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THIRTY-NINTH ANNUAL REPORT

OF THE

RÉCEIPTS AND EXPENDITURES

OF THE

CITY OF MANCHESTER,

FOR THE

Fiscal Year Ending December 31, 1884,

TOGETHER WITH

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



MANCHESTER, N. H.:

PRINTED BY JOHN B. CLARKE.

1885.

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1884

CITY OF MANCHESTER.

IN BOARD OF COMMON COUNCIL.

AN ORDER to print the Thirty-Ninth 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 hereby are, authorized to procure, for the use of the inhabitants of said city, the printing of the Thirty-Ninth Annual Report of the Receipts and Expenditures of the City of Manchester, including the Reports of the Joint Standing Committee on Finance, the School Board and Superintendent of Schools, Superintendent of Water-Works, Water Commissioners, Engineer of Fire Department, City Marshal, Overseers of the Poor, Trustees, Librarian, and Treasurer of City Library, Committee on Cemeteries, Joint Standing Committee on City Farm, City Physician, City Solicitor, and City Engineer, the expense thereof to be charged to the Appropriation for Printing and Stationery.

IN BOARD OF COMMON COUNCIL. January 14, 1885.

Passed,

GEORGE M. TRUE, *President.*

IN BOARD OF MAYOR AND ALDERMEN. January 14, 1885.

Passed in concurrence.

GEORGE H. STEARNS, *Mayor.*

MANCHESTER
CITY GOVERNMENT,
1884.

MAYOR.

HON. HORACE B. PUTNAM.

CITY CLERK.

NATHAN P. KIDDER.

PRESIDENT OF COMMON COUNCIL.

JOHN A. McCRILLIS.

CLERK OF COMMON COUNCIL.

JAMES A. FRACKER.

CITY TREASURER.

SYLVANUS B. PUTNAM.

COLLECTOR OF TAXES.

GEORGE E. MORRILL.

CITY SOLICITOR.

GEORGE W. PRESCOTT.

CITY MESSENGER.

JOHN A. BARKER.

CITY ENGINEER.

GEORGE H. ALLEN.

CITY PHYSICIAN.

GEORGE W. BOURNE.*

EDWARD O. PEARSON.†

ALDERMEN.

Ward 1. — Charles H. G. Foss.

Ward 2. — John F. Clough.

Ward 3. — Samuel Thompson.

Ward 4. — Edward P. Johnson.

Ward 5. — Leonard P. Reynolds.

Ward 6. — Thomas L. Thorpe.

Ward 7. — Horace P. Simpson.

Ward 8. — Frank A. Cadwell.

* Resigned July 1, 1884.

† Elected to fill vacancy, July 1, 1884.

MEMBERS OF COMMON COUNCIL.

WARD 1.

Henry S. Perry.
George W. Cheney.
Stillman P. Cannon.

WARD 3.

Alexander H. Olzendam.
Abraham G. Grenier.
Eugene S. Whitney.

WARD 5.

John Bryson, Jr.
Simon McCarthy.
John Griffin.

WARD 7.

Samuel Lunt.
Henry W. Randall.
Abner J. Sanborn.

WARD 2.

George M. True.
Henry W. Fisher.
Charles E. Stearns.

WARD 4.

Stephen B. Stearns.
John A. McCrillis.
Alpheus Bodwell.

WARD 6.

Albert A. Ainsworth.
George W. Prescott.
Henry A. Horton.

WARD 8.

Edward H. Doherty.
Ferdinand Riedel.
Frank O. Clement.

JOINT STANDING COMMITTEES.

On Finance. — The Mayor, and Alderman Thorpe; Messrs. S. B. Stearns, Lunt, and Ainsworth.

On Accounts. — Aldermen Thompson and Cadwell; Messrs. Olzendam, Cheney, and S. B. Stearns.

On Claims. — Aldermen Foss and Clough; Messrs. True, Randall, and Prescott.

On Streets. — Aldermen Simpson and Thorpe; Messrs. Sanborn, Olzendam, and Fisher.

On Sewers and Drains. — Aldermen Thorpe and Simpson; Messrs. Fisher, Olzendam, and Sanborn.

On Lighting Streets. — Aldermen Clough and Cadwell; Messrs. Whitney, McCarthy, and Riedel.

On Lands and Buildings. — Aldermen Johnson and Simpson; Messrs. Perry, Randall, and Bryson.

On Fire Department. — Aldermen Foss and Thompson; Messrs. Cheney, Horton, and Whitney.

On Commons and Cemeteries. — Aldermen Clough and Foss; Messrs. Ainsworth, Cannon, and Perry.

On Public Instruction. — Aldermen Cadwell and Johnson; Messrs. Prescott, Grenier, and True.

On Water-Works. — Aldermen Johnson and Thorpe; Messrs. Charles E. Stearns, Doherty, and Bodwell.

On City Farm. — Aldermen Clough and Johnson; Messrs. Lunt, Cannon, and Horton.

On House of Correction. — Aldermen Reynolds and Cadwell; Messrs. Prescott, Doherty, and Griffin.

On Military Affairs. — Aldermen Thompson and Clough; Messrs. Bodwell, Riedel, and Griffin.

STANDING COMMITTEES IN BOARD OF MAYOR AND ALDERMEN.

On Enrollment. — Aldermen Foss and Cadwell.

On Bills on Second Reading. — Aldermen Simpson and Thompson.

On Market. — Aldermen Thompson and Reynolds.

On Marshal's Accounts. — Aldermen Clough and Reynolds.

On Licenses. — Aldermen Cadwell and Johnson.

On Setting Trees. — Aldermen Thorpe and Reynolds.

On Special Police. — Aldermen Simpson and Clough.

STANDING COMMITTEES IN BOARD OF COMMON COUNCIL.

On Election Returns. — Messrs. Charles E. Stearns, Griffin, and Clement.

On Bills on Second Reading. — Messrs. Grenier, Clement, and McCarthy.

On Enrollment. — Messrs. Horton, Bryson, and Charles E. Stearns.

POLICE DEPARTMENT.

Judge of Police Court.

Nathan P. Hunt.

Assistant Justice of Police Court.

Isaac L. Heath.

Clerk.

John C. Bickford.

City Marshal.

Melvin J. Jenkins.

Assistant Marshal.

Eben Carr.

Captain of the Night Watch.

Edgar Farrar.

Day Police.

John C. Colburn.

Randall W. Bean.

Charles H. Reed.

Night Watchmen.

John F. Cassidy.	Ira P. Fellows.
James Bucklin.	Philip Reischer.
Thomas Frain.	Francis Bourrassau.
William H. B. Newhall.	Gideon Rochette.
Michael Marr.	Lafayette Tebbetts.
Hiram Stearns.	Charles S. Brown.
Jeremiah Murphy.	Henry Harmon.
James F. Dunn.	Leroy M. Streeter.
Michael Fox.	

Constables.

William A. Carpenter.	Joseph B. Maynard.
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SCHOOL COMMITTEE.

Hon. Horace B. Putnam, *ex-officio* Chairman.
 Frank T. E. Richardson, *Clerk.*

WARD 1.

Frank T. E. Richardson.
 Perry H. Dow.

WARD 2.

Benjamin C. Dean.
 William C. Clarke.

WARD 3.

Henry H. Huse.
 Nathan P. Hunt.

WARD 4.

John T. Fanning.
 Samuel D. Lord.

WARD 5.

Thomas F. Collins.
 Charles A. O'Connor.

WARD 6.

D. Milton Goodwin.
 Jacob J. Abbott.

WARD 7.

George D. Towne.
 Edwin F. Jones.
 John A. McCrillis, *ex officio*.

WARD 8.

Louis E. Phelps.
 Douglas Mitchell.

SUPERINTENDENT OF PUBLIC INSTRUCTION.

William E. Buck.

WATER COMMISSIONERS.

Hon. Alpheus Gay, *Chairman*.
 Hon. James A. Weston, *Clerk*.
 William P. Newell. Alpheus Gay.
 James A. Weston. Andrew C. Wallace.
 Eben T. James. Edwin H. Hobbs.
 Hon. Horace B. Putnam, *ex officio*.

OVERSEERS OF THE POOR.

Hon. Horace B. Putnam, *ex-officio Chairman*.
 William H. Maxwell, *Clerk*.
 William H. Maxwell. Daniel Sheehan.*
 John E. Stearns. P. A. Devine.†
 James Sutcliffe. P. O. Woodman.
 Horace Gordon. Elbridge G. Woodman.
 William Weber.

* Died.

† Elected to fill vacancy.

ASSESSORS.

George W. Weeks, *Chairman.*

David O. Furnald, *Clerk.*

Charles H. Brown.

Patrick A. Devine.

Joseph H. Haynes.

John P. Moore.

David O. Furnald.

Henry W. Powell.

George W. Weeks.

Pius Brown.

INSPECTORS OF CHECK-LISTS.

Joseph H. Haynes, *Chairman.*

Harrison D. Lord, *Clerk.*

Charles W. Warren.

Maurice Fitzgerald.

Joseph H. Haynes.

Isaac Whittemore.

David O. Furnald.

Solon D. Pollard.

Harrison D. Lord.

Charles C. Tinkham.

FIRE DEPARTMENT.

Thomas W. Lane, *Chief Engineer.*

Fred S. Bean, *Clerk.*

Assistant Engineers.

Orrin E. Kimball.

Ruel G. Manning.

James F. Pherson.

Fred S. Bean.

BOARD OF HEALTH.

Melvin J. Jenkins.

Patrick A. Devine.

Lyman H. Lamprey.

TRUSTEES OF THE CITY LIBRARY.

Nathan P. Hunt.	Isaac W. Smith.
William P. Newell.	Moody Currier.
Daniel Clark.	Lucien B. Clough.
Thomas L. Livermore.	
Hon. Horace B. Putnam, <i>ex officio</i> .	
John A. McCrillis, <i>ex officio</i> .	

LIBRARIAN.

Mrs. M. J. Buncher.

CITY AUDITOR AND REGISTRAR.

Nathan P. Kidder.

SUPERINTENDENT OF WATER-WORKS.

Charles K. Walker.

WARD OFFICERS.

Moderators.

- Ward 1. — Daniel H. Maxfield.
 Ward 2. — George M. True.
 Ward 3. — James E. Dodge.
 Ward 4. — Hiram Hill.
 Ward 5. — John F. Sullivan.
 Ward 6. — George Holbrook.
 Ward 7. — Timothy W. Challis.
 Ward 8. — Charles K. Walker.

Ward Clerks.

Ward 1. — Abial W. Eastman.

Ward 2. — Harry E. Webster.

Ward 3. — Frank W. Garland.

Ward 4. — Waldo E. Gilmore.

Ward 5. — John F. Bohan.

Ward 6. — William H. Dixon.

Ward 7. — Charles A. Smith.

Ward 8. — Fred W. Ranno.

Selectmen.

WARD 1.

George C. Kemp.
George W. Bacon.
Henry S. Perry.

WARD 2.

George H. Colby.
James R. Carr.
Joseph P. Fellows.

WARD 3.

David Thayer.
Benjamin F. Garland.
Emerson Moulton.

WARD 4.

Peleg D. Harrison.
Charles F. Garland.
Charles H. Uhlig.

WARD 5.

John J. Sheehan.
Daniel J. Ahern.
Patrick Kelley.

WARD 6.

Edwin N. Baker.
George E. Glines.
George M. Bean.

WARD 7.

Elbridge G. Woodman.
Oscar Perkins.
Zara B. Sawyer.

WARD 8.

Frank J. Smith.
Walter S. Chamberlain.
Herman Rittner.

MAYOR PUTNAM'S
VALEDICTORY ADDRESS.

VALEDICTORY ADDRESS.

It has been customary, in years past, for the retiring executive to give an account of his stewardship, to show the people how the money has been expended, and what has been done during his administration. In doing this I shall be as brief as possible, taking up some of the most important points from January 1, 1881, to December, 1884.

The total debt, January 1, 1881, was \$982,772; the total debt for 1885 was \$991,200; increase in four years, \$9,428; increase of city property in four years, \$235,060. The assessed valuation in 1880 was \$17,735,990; the assessed valuation in 1884 was \$20,613,032; increase in four years, \$2,877,042. The population in 1880 was 33,000; the population in 1884 was 38,000. These figures show a larger gain in valuation and population than in any four years for a long period of time.

THE CITY'S GROWTH.

A large per cent of this increase has been on the west side of the river. The construction of McGregor bridge opened up a large territory for building purposes. Four years ago there were not ten houses where now stands the village of McGregorville; not a street, save the old River road, was laid out or built. Any one visiting that village to-day and seeing its network of streets, under all of which runs a good sewer, can form some idea of the amount of labor necessary to build them, as well as the

expense thereof. A more perfect system of sewerage is not to be found elsewhere in the city. The increase of taxable property will more than repay the interest on the cost of the bridge and the permanent improvements which have been made.

MCGREGOR BRIDGE.

McGregor bridge was mostly built under the preceding city government, and was one of the best investments ever made by the city, as subsequent events have shown. In the early spring of 1881 it was found not to answer all the purposes for which it was designed. From the east river wall to the east abutment of the bridge there was a depression of nine feet and six inches. One of the corporations, which had its coal-bins and store-houses on the west side of the river, could not utilize it. A consultation was held with two of the manufacturing companies most interested in having it raised, which resulted in their paying \$5,000 as their part of the expenses. The work was contracted for \$9,000, the city paying the balance and building the abutments, total cost to the city being about \$5,000. There is now a commodious driveway under its entire length, and the bridge as it now stands is a credit to the city.

STREETS.

During the last four years seven miles and two rods of streets have been built; and in the same time have been laid 48,119 feet of Akron pipe and 4,264 feet of brick sewers, making a total of 9 95-100 miles; also 18,563 square yards of cobble, and 7,500 square yards of block paving; 32,439 square yards of streets have been macadamized, and 23,852 yards of concrete laid. During the past two years there has been a large amount of work

done on the streets, and they have been kept in good condition. Superintendent Patten, having had no other business to take his attention, has given his whole time to the duties of his office, and with good results to the city.

Last year a petition signed by numerous citizens representing a very large amount of taxable property was presented to the city government, asking that Ash street might be extended from Lowell to Concord street, which petition the city granted. To do this, land was purchased on which were many unsightly buildings, which have been removed. By laying out this street the city acquired the back street, twenty feet in width and two hundred and seventy feet in length, which has been added to the high-school lot. Ash street now extends to Amherst street. The expense attending this extension was \$7,000.

CITY YARD.

When I took the oath of office, it was to serve the city to the best of my ability, and to faithfully perform all the duties intrusted to me with what judgment I possessed. I clearly saw that in order to carry out those views money would have to be expended, for the city was sadly in need of many improvements which could not be much longer deferred. One of the first that seemed to be needed was a "city yard," where all city property could be safely stored, combining at the same time a hay and wood stand. We were tenants-at-will on the land then used, and liable to removal at any time. In casting about for a location the present lot was found the most desirable, as no available one could be purchased except at the lower end of Elm street, which would be too far removed. By a vote of the city government, authority was given to buy the piece of land now occupied. The Amoskeag Manufac-

turing Company showed their accustomed liberality by offering the land at the reduced price of sixty-five cents per foot. The lot contains 44,656 square feet, amounting to \$29,026.40, of which the city paid \$3,250, leaving the sum of \$25,776.40, for which the city gave its note.

In this yard the stone-crusher is located, and all pipe, cement, and other material which the city uses are kept. Sheds have been built in which to house city carts and sleds. The lot is surrounded by public streets and near the depot. If the city wishes to dispose of it, customers can be found to take it off her hands at an advanced price.

PERMANENT IMPROVEMENTS.

Many of our public buildings were badly out of repair and there was great need of more school accommodations. During the past four years land has been purchased on Webster street, and on Elm street at Bakersville, and commodious school-houses built; also an additional piece of land adjoining the Main-street school-house bought and a wing added, which, with the other addition now being erected, will give good grounds and sufficient accommodations for some time to come. The old high and Spring-street houses have been remodeled, virtually making new buildings of them. A new section has been built for the Hook and Ladder truck on Vine street, and the city stable extended to the back street; a hose-house, together with dwelling and stable, on Park street, first-class in all its appointments, and a dwelling-house to connect with the Massabesic hose-house.

A wing nearly as large as the main building has been erected to the city library and shelving put in, giving ample and needed room. This is one of the institutions that should be well cared for by the city, as furnishing

an important means of education, and tending towards the general intelligence of the community. The ward-room or battery building completes the list of those built and finished during the past four years.

Two more hose-carriages have been added to the fire department. Steam-boilers have been put into the engine-house on Vine street, also at the city farm, the Spring-street school-house, the Main-street school-house, and all these buildings piped.

BRIDGES.

During the past four years Granite bridge has been replanked three times and McGregor bridge twice. Owing to the large amount of travel the planking soon wears out. It costs \$1,200 to plank McGregor bridge. This was found to be very expensive, and as a matter of economy it was thought best to give it a coating of concrete, costing \$1,920, which will last many years, at the same time giving a very fine road-bed.

An iron bridge has been built over the canal on Granite street, the old structure being very unsafe for travel. This bridge was strengthened and then put over the North Weare Railroad on Parker street.

Three truss bridges have been built over the Cohas brook, one near the outlet of Massabesic, the others on the Derry and Mammoth roads. The bridges removed were in a bad condition, the abutments of one being decayed logs, and the others of stone, badly constructed and caving in. These were all replaced by heavy stone abutments. The bridges in the city, save the Amoskeag, which needs replanking, are now in good condition.

BRIDGE-STREET SEWER.

For many years, after heavy showers the water flooded the Elm-street sewer, causing it to back into the basement

of stores, for which, in many instances, the city has had to pay damages. Early in the spring of 1881 a three and one-half foot sewer was commenced, and built from the river up Bridge to Elm street, tapping the main sewer, at an expense of \$13,000. Since that sewer was built, no damage has occurred by back water. When this sewer is extended east to Nashua street, taking all the sewage north of Bridge street, we shall have as perfect a system as we can need.

SUITS.

In 1882 a suit was brought against the city of Manchester by Marcus Morton for the sum of \$90,000, for using a valve on our steam-engines on which he claimed a patent. Similar suits were brought against other cities in this state at the same time. A proposition was made and agreed upon to have all combine to defend themselves from these suits, each paying *pro rata* according to the number of engines used. These suits were brought in the United States court. Able counsel was procured to defend the case, and every one knows that patent lawsuits are expensive. The case was prepared with great care, and argued on the part of the defense with great ability. This city obtained a clear verdict, settling the case, as far as New Hampshire cities are concerned, for all time. Manchester's share in this suit was \$6,428.28. Here I will return thanks, in behalf of the city, to Col. T. L. Livermore, agent of the Amoskeag Manufacturing Company, for a complete model of a steam fire-engine made at its works, free of expense, showing the workings of the valve, which model was used at this trial.

While speaking of lawsuits I will here say that there have been, during the past three years, many claims made against the city for injuries claimed to be received by fall-

ing on the sidewalk. A large proportion of these had no merit whatever, and the committee on claims have used good judgment in giving such leave to withdraw. I found it was necessary to have evidence and facts pertaining to these claims taken as soon as the accident occurred. Consequently I detailed Officer C. H. Reed to examine the localities and get all evidence as soon as possible after the accident, and it has been the means of saving to the city hundreds of dollars.

COMMONS AND CEMETERIES.

In 1882 I communicated with the agent of the Amoskeag Manufacturing Company, asking that a piece of land known as "Park Common" might be deeded to the city. This communication was laid before the directors, and they, with much generosity, granted the request, with the proviso that the city should put an edge-stone around the same, which has been done at an expense of \$2,220. The ground has been graded at quite an expense, and concrete walks laid.

In former years the various commons of the city were used for farming purposes, the grass being cut during the summer by any one who would do it for the grass itself. During the past two administrations they have been closely shaven by a lawn-mower, presenting a fine appearance. Electric lights have been placed on them, rendering travel safe, which was not the case in former years.

The lots in the Pine Grove Cemetery are fast being taken, and it was thought advisable to buy land for its extension while it could be procured. Under the statutes no land can be doomed for such a purpose within a radius of twenty rods of a dwelling-house. Consequently authority was obtained, and twenty and two-thirds acres were

purchased, costing \$3,900. All grade and loam used by said cemetery had previously been bought by the load, making it quite expensive to fill and grade the paths. A lot of land on the east side, containing two acres, was obtained at a small outlay, which will furnish sufficient material for the cemetery, and also for streets in district No. 3, for many years to come. There were but very few available lots to be had in the cemetery at Amoskeag. A lot of land adjoining, containing four and three-fourths acres, on which were a house and a good set of outbuildings, was offered for \$3,000. The city readily made the purchase, and now has very fine grounds, which have long been needed.

CITY FARM.

When I made my first visit to the city farm, in 1881, I was surprised to find the buildings in a dilapidated condition, such as would be no credit to a farmer of ordinary means. The unfortunate poor virtually shared the same quarters with the criminals, with very little to make life enjoyable. An addition of thirty feet was built adjoining the main house, the old part being moved back, and is now used for criminals. This addition was finished into rooms and heated by steam. Now, those who are obliged to seek the charity of the city can have a comfortable home, and many conveniences which they did not have before.

A new carriage-house, stable, sheds, ice-house, and silo have been built. The buildings are now all in first-class condition and are a credit to the city. A large well was dug one year ago, in which there have been not less than ten feet of good water at any time. This water is forced to the reservoir on the hill, running from there to the house and barn, having a good head that can be utilized

in case of fire. The farm is being brought to a high state of cultivation, and will soon be self-sustaining.

Here I will bear willing testimony to the superintendent and matron, Mr. and Mrs. Garvin, for their faithfulness and care in looking after their respective charges and the success that has crowned their efforts.

POLICE STATION.

For years the police headquarters and lock-up have been a disgrace to the city, and the larger proportion of our citizens has demanded that a change be made. The old accommodations are ill-adapted to the wants of our growing city, and enough money has been expended in times past in altering them to have built a new one. In the early spring of this year the central part of the city was looked over to see if a lot could be obtained. None could be bought without paying too large a price. It appeared probable that the old school-house on the corner of Manchester and Chestnut streets could be utilized, as it was not needed for a school. I consulted the agent of the Amoskeag Manufacturing Company to see if it could not be redeeded to the city for police purposes. He used his influence with the company and had it conveyed to the city. The building was badly out of repair, and but two rooms were used for schools. The city authorized the Mayor and the committee on lands and buildings to make such alterations in the building as were needed for a police station. Plans were drawn up to see if it could be changed to serve as a station, court-room, and lock-up. These were submitted to the committee, and it was found that the building could not be so used, it being too small and not suited to the required needs. It was then decided to take it down and use the old material in the construction of a new building. After visiting stations in an

adjoining state, a plan was devised comprising all the improvements we had seen, so that we have a building which is superior to them all. There are some features in this which will receive the commendation of all who have any interest in the cause of humanity.

Every person who goes to a police station for lodgings is not a confirmed tramp or a vagabond, and there is no reason why he should be locked in cells with criminals. Many come to a city like this in a destitute condition, not having money to pay for accommodations elsewhere, and such can have comfortable quarters. Another feature is the hospital-room. Heretofore there has been no place to which an injured person could be taken and temporary aid given.

The building meets every known want of the present, and, we think, those of the future. Considering its cost, its accommodations, its general appearance, and the bad condition of the old lock-up which this replaces, there are but very few people who will not be glad it has been built.

CONCLUSION.

Thus, in as brief a manner as possible, have I touched upon some of the most important topics that have received attention during the past four years.

Here I will return my thanks to the gentlemen who have been associated with me, for their assistance in lessening many burdens, and for the promptitude in attending to their official duties.

It is not to be supposed that during all this time we should not have made some mistakes, or that all should be pleased with official acts. As a general thing it is not the heavy tax-payers, or that large progressive element which we fortunately have among us, that find fault with

the expenditure of money for which an equivalent is received. We have in this city, as in places elsewhere, a set of chronic grumblers who live on wisdom past; who have no idea of the wants of a growing city, and think the expenses should be no larger now than twenty years ago, when it was not half its present size. These, if they could have their way, would build a Chinese wall around the city to prevent people from coming in or going out.

Since I have had the honor to be executive officer of the city I have endeavored to pursue a liberal policy, not an expensive one, and have sought to keep the city in all its departments up to a high standard, such as becomes the most enterprising and thriving city of the state.

MAYOR STEARNS'S
INAUGURAL ADDRESS.

INAUGURAL ADDRESS.

Gentlemen of the City Councils: —

In entering upon the discharge of the duties of the position in which I have been placed by my fellow-citizens, — a place which has often been filled by men of the highest ability in the administration of public affairs, some of whom have received the highest honors from the people of the state, — as I contemplate the difficulties and trials inseparably connected with the work which has been assigned me, I am profoundly impressed with the weight of the responsibilities which I have assumed, and am tempted to fear that I may fail to justify the confidence reposed in me, and act my part in a manner which at all times shall result in the highest good of the people of the city. In the midst of these doubts and misgivings, I am, however, sustained by the conviction that whatever may be my errors of judgment, I shall not be found wanting in watchfulness and sincere devotion to the public welfare. I am, moreover, cheered by the assurance that I am to be associated, in the various departments of the city government, with gentlemen upon whom I can confidently rely for counsel and encouragement at all times and under all circumstances.

We are assembled to inaugurate the fortieth municipal government of the city, a charter having been granted by the legislature of 1846. Twenty-one of the citizens

have held the office of mayor, and all but five, including the first two, are still living. During all these years the people have been represented in the various departments of the government by some of the wisest and most trusted citizens, and the generations of to-day are enjoying the fruits of their well directed labors in inaugurating and completing the great public enterprises which contribute so much to the convenience, the comfort, and pleasure of all. In looking back to the work of our predecessors in the management of public affairs, it is gratifying to find so much to approve and so little to condemn. As we follow in their footsteps in carrying on the work which called forth their best faculties and energies, let us hope that, while we endeavor to avoid their errors, we may profit by their wisdom and experience.

We commence our labors as the servants of the people at a time of depression in the great business affairs of the country, and for this reason, among others, it behooves us to move with caution and prudence in the appropriation and disbursement of the public funds, and to bear in mind the embarrassing circumstances by which many of the tax-payers of the city may be surrounded. While the business of our city has been curtailed to some degree during the present crisis, it is a subject for congratulation that our great manufacturing industries, upon which the welfare of the city largely depends, have been so managed that the people have suffered but little as compared with those of many other cities and towns in various sections of the country.

Gentlemen, I now invite your attention to a brief survey of the condition of the public affairs of the city at the present time, and also to a few suggestions in relation to some of the most important matters which will come before us for consideration.

FINANCE.

I find by the books of the city treasurer that the condition of the finances the first day of January, 1885, was as follows:—

Total amount of funded debt	\$845,200.00	
Interest due, estimated	20,000.00	
Temporary loan	119,000.00	
Due Amoskeag Company for land	25,776.40	
Outstanding bills	54,163.00	
Total indebtedness Jan. 1, 1885	—————	\$1,064,139.40
Cash in treasury Jan. 1, 1885		63,719.30
Net indebtedness Jan. 1, 1885.		<u>\$1,000,420.10</u>

It will be observed by the foregoing statement that the unpaid bills, notes, and interest amount to nearly \$219,000, and that the cash on hand to meet these bills amounts to less than \$64,000, which leaves a balance of more than \$155,000 to be provided for. I would recommend the funding of this floating debt, for which bonds can be issued.

It will be necessary to make provision for a temporary loan for the purpose of raising money to pay the ordinary expenses until the first of July next, when the taxes which will be assessed in April will become due. It is highly important that the expenses of the government should not be allowed to overrun the appropriations, and thus add to the debt of the city.

It appears by the books of the city collector that the total amount of unpaid taxes on the tax list of 1884 is \$15,146, which is within about four per cent of the total amount assessed.

WATER-WORKS.

The water-works of the city, which have been built and in operation for a period of ten years, have more than realized the highest hopes and expectations of the citizens who projected that most important enterprise. The works, which from the first have been placed entirely in charge of some of the most trusted of our citizens, have been so well managed that the income has been more than sufficient to pay the interest of the water bonds and the expense of putting in twenty-three and a half miles of additional distributing pipes. The original cost of the works was \$600,000, and the cost of the extension of the pipes during the past ten years has amounted to the sum of \$223,000. The total length of distributing pipes laid down up to the present time is forty-three and a half miles, and the total number of hydrants is 369.

There is reason to fear that the purity of the water at the source of supply may, in time, be much impaired by filth which is liable to be discharged into the lake from outhouses connected with the cottages located upon its shores. It is hoped that some steps may be taken to prevent any serious consequences to our citizens on this account.

STREETS.

One of the most important subjects in which all our people, and especially the tax-payers, are deeply interested, is that of keeping the public thoroughfares at all times in a perfectly safe condition. To effect this object the superintendents of streets and surveyors of highways should be men of sound judgment and experience. It therefore becomes a very important duty on the part of the city councils to select the very best men for these responsible positions. In these times, when the city is

often called upon to pay heavy damages for injuries alleged to have been received by people in passing through the public avenues, the city authorities ought at all times to be able to demonstrate that if such accidents are received at all, it is on account of no carelessness or neglect on the part of the officers having them in charge.

A steam road-roller is greatly needed, as it is impossible to construct a good macadamized street without the aid of one.

LIGHTING STREETS.

The cost of lighting our streets during the last year was about \$11,000, against \$5,500 three years ago. A very large portion of this increased expense is owing to the introduction of the electric lights, which cost the sum of \$4,092 per year. I would suggest that it may be for the interests of the city to employ the Gas Company to take the entire charge of the lighting and repairing of all the street lamps.

BRIDGES.

All the bridges are in good condition except Amoskeag and Granite bridges, which will require new planking the present year. The replanking of the bridges across the Merrimack river once in two years, which has become necessary in consequence of the extensive travel over those thoroughfares, has been a heavy item of expense to the city. Last year the new McGregor bridge was covered by concrete, with the view of protecting the planks from speedy destruction by the passage of vehicles over them. If the experiment proves successful, a great saving will be effected.

The expense of this department the past year was about \$10,000.

SEWERS AND DRAINS.

A large appropriation will be necessary for the construction of our sewers and drains. I would suggest that an appropriation be made, sufficient for the building of a sewer to drain the north end of the city, as recommended by the committee on sewers and drains of the last city government. It is proposed that this sewer shall commence at the junction of Webster and Union streets, and extend through Webster street to the River road, and down that thoroughfare to Bridge street, where a connection will be made with the Bridge-street sewer, which enters the river under McGregor bridge. The north section of the city is rapidly increasing in population, and a sewer in that quarter is imperatively necessary. It is also necessary to extend the Bridge-street sewer east from Elm to Nashua street, for the purpose of relieving the Nashua-street sewer. An appropriation of \$20,000 will probably be needed for this department.

THE FIRE DEPARTMENT.

The fire department continues to maintain its well earned reputation of being among the very best in the country, both in equipment and the character and efficiency of its members. The board of engineers, the officers of companies, and the firemen have worked in the most perfect harmony, and in a manner to secure the confidence and esteem of the people of the city. The steam fire-engines and other apparatus are in excellent condition, and there seems to be but little room for improvement in this department.

I am informed by the chief engineer that the boxes connected with the fire-alarm-telegraph system have become worn out, after being in use for ten years, and

need reconstruction. New wires must also be procured to replace those now in use, for the same reason. I would recommend, when this is done, that private fire-alarm signals be introduced into the large school buildings, so that in case of fire in any one of them the department may be called out without delay. The expediency of securing a further protection of these buildings, as well as the lives of the pupils, in the manner proposed, would seem to be obvious, when it is remembered that there is no insurance upon the school property of the city.

The appropriation in this department for 1884 was \$20,000. I invite your attention to the excellent report of the chief engineer.

CLAIMS UPON THE CITY.

I learn, by the report of the city solicitor, that there are now pending fourteen claims for damages against the city, for injuries sustained on the streets and sidewalks, amounting in the aggregate to the sum of \$50,000. The most of these have been referred to the coming March term of the supreme court.

PUBLIC PARK.

I will now invite you to consider the question as to whether the interests of the people will be best promoted by taking immediate steps to provide a public park. If a park is ever to be provided at all, it is clear that the longer any action looking to the attainment of that result the more difficult and expensive it will be. The lands owned by the Amoskeag Company, lying in the vicinity of Rock Rimmon, and including that spot, are in all respects adapted to all the purposes of a public park. It has been thought that satisfactory arrangements for the purchase of these lands may be made with the

Amoskeag Company, which from the first has exhibited a spirit of great liberality in giving its aid and support to all measures which tend to promote the health and happiness of the people of the city.

COMMONS.

The commons, which are one of the leading attractions of our city, have been well cared for during the past few years. Many important improvements have been made and a considerable amount of money has been expended, so that no great outlay will be required for some time to come.

CEMETERIES.

The cemeteries have been much improved during the past year and are now in excellent condition. During the past year the Pine Grove Cemetery has been enlarged by the addition of about twenty acres of land at a cost of \$3,090. The cost of the improvements at this cemetery has amounted to \$9,251. The board of trustees of the cemeteries recommend the building of a new receiving-tomb, the old tomb being too small to meet the wants of the public.

CITY LIBRARY.

This institution, under the judicious management of the board of trustees and the librarian, continues to realize the wishes and hopes of its founders in promoting the improvement and enjoyment of the people. The library has, from time to time, received liberal donations of books from citizens who have been identified with the growth and prosperity of our city. It would be a great advantage to many of our people if a public reading-room were established in connection with the library. The library now consists of 27,876 volumes.

THE SCHOOLS.

The people of our city, throughout its entire history, have spared no pains or expense in seeking to provide the best advantages for the education of their children. At the present time our school buildings, in beauty and convenience, are unsurpassed by any which can be found in any of the cities of the country of equal size; and there are the best reasons for claiming that our teachers, in character and ability, are at least equal to those who are employed in those cities and towns which are the most fortunate in this respect. With all our advances in the management of our schools, it is claimed by many who are regarded as authorities in this matter that there is still room for much improvement.

In view of the fact that only a small number of the pupils in the schools desire a more complete education in the colleges or higher seminaries, with the design of entering the learned professions, it becomes a matter of great importance that the larger class should occupy the first place in the care and regard of the teachers and others upon whom are placed all the responsibilities pertaining to this subject.

Total number of pupils in the schools during	
the past year was	3,918
Average number	2,872
Total expense of schools	\$53,477
Cost per scholar	18.62

POLICE DEPARTMENT.

The protection of the people and the preservation of the peace and order of the city are among the most difficult duties the municipal authorities are called upon to perform.

The affairs of this department appear to have been very creditably managed for the past year or two, and the city has not been afflicted on account of the commission of any of the great capital crimes on the part of any person residing in our jurisdiction.

Inasmuch as the best men as to character and fitness are required to perform the duty of keeping the peace in a successful manner, it becomes a matter of much consequence that none should be appointed but such as are temperate and free from all vices of whatever name or character. While they should be men of firmness and courage, they should be vigilant and discreet. They should also be able to control their temper under provocation, and to treat suspected prisoners who are under arrest with civility and kindness. It is hoped that those having the appointment of these officers will exercise great care and discrimination in the discharge of that duty.

Among the most common of the less flagrant offenses, drunkenness continues to take the lead. It cannot be denied that the sin of intemperance is the source of a vast amount of suffering, not only to the victims themselves but to their families and friends and the community at large. How to overthrow or mitigate the evil is a question of very serious importance. From the experiences of the past, it appears useless to hope for a thorough and lasting reform in this direction until a strong and ardent moral sentiment is awakened among the people of all classes, and more especially among the educated, the refined, the wealthy, and the influential. How can we expect to reform the lower classes, so called, so long as the habit of drinking intoxicating liquors prevails to a very large extent among those in the higher walks of life who give tone and character to society, and even among

those who assist in framing and administering the laws? I shall at all times most heartily coöperate with you in the support of all measures that may seem to be the most judicious and practicable for the preservation of the peace and order of the city, and best calculated to promote a reform of the evil of intemperance.

A new police station has been erected on the corner of Manchester and Chestnut streets, and will be ready for occupancy in the course of a few weeks. The building is located in a comparatively retired spot, and altogether superior to the old station in the City-Hall building. It contains all the accommodations needed for the police department and the police court. In regard to the exact cost of the building I am not informed, as the bills are mostly charged to incidental expenses. I would respectfully suggest that hereafter, when a new building is to be erected or any other enterprise is undertaken, a special appropriation be made for this purpose and a separate account opened, so that the citizens have an opportunity to know at once the exact amount of money expended.

The total amount expended in the police department the past year was about \$26,000.

HEALTH DEPARTMENT.

I wish to refer to the urgent demand that more stringent measures should be taken for the better preservation of the health of our citizens. It has long been felt that it is not enough to pass ordinances requiring the people to keep their premises free from all nuisances and offensive substances calculated to generate disease, unless the laws upon this subject are strictly enforced. In spite of all that has been done in the way of calling the attention of the people to the ordinance upon the subject, the air in many of the back streets in the very heart of the city dur-

ing the summer months has often been polluted by decaying vegetable and animal substances and filth lying in uncleansed outhouses. As a consequence, there has been a very much larger rate of mortality among children from cholera infantum in such localities than in those sections where the laws of health in this respect have been observed. In view of the probability that the country may be scourged by Asiatic cholera during the present year, it becomes our duty to act promptly in this matter. I would suggest that a police officer or some other reliable person be appointed to make daily inspection in back streets and by-ways, and vigorously prosecute all offenders against the law.

In this connection I desire to call your attention to the question as to whether the public good requires that a public hospital should be established here without further delay. The people of other cities in the country, some of which have much less pretension upon the score of wealth and population, have long enjoyed the benefits of institutions of this character. It must be apparent to all that a large proportion of our adult population consists of people who are without family and near friends to care for them in case of sickness or accident, and that it is almost impossible to afford them proper accommodations in boarding-houses and crowded tenements, without causing great trouble and inconvenience to all concerned. Under these circumstances it seems strange that the influential, the wealthy, the public-spirited, and benevolent citizens in our midst, who have the best reasons to feel proud of our city in most other respects, have not before this demanded, in the name of justice and humanity, to say nothing of the interests and good name of our city, that a public hospital should be established. It should be borne in mind that all the expense for board, nursing, and

attendance of patients need not necessarily be paid from the city treasury, as there will always be a large number of persons of means who will be glad to avail themselves of the superior advantages afforded in a well conducted hospital.

It is by no means necessary that a very large and expensive structure be erected, or that mere embellishment should be taken into consideration. There is no doubt that a plain and substantial building, containing all necessary accommodations for hospital purposes, of sufficient capacity to meet the present demands of the city, can be provided and furnished for a sum ranging from \$15,000 to \$20,000. Additional buildings may be erected from time to time as they may be needed. A part of the city farm situated near the top of Wilson Hill would afford one of the best locations for an institution of this kind.

It may be said that the "Elliot Hospital," which is to be established at no distant day, will meet all the wants of the people in this regard. To this it may be replied that the will of the late Mrs. Elliot expressly stipulates that none but Protestants can share the benefits of the institution founded by her liberality; so that a large proportion of our people who are equally entitled to the consideration and charity of the public in case of misfortune will be left to shift for themselves, unless the city authorities take some action in this matter.

CITY FARM.

The buildings of the city farm are now in good condition, and well adapted to the convenience and comfort of the worthy poor of the city who are so unfortunate as to be without homes of their own, and also for the confinement of prisoners sentenced by the police court for drunkenness. The farm consists of about 185 acres of very

excellent land in close proximity to the city, and there appears to be no reason why, in ordinary years, the institution should not be self-supporting. The cost to the city for making improvements and sustaining the institution, during the past year, amounted to the sum of \$12,026.88.

CONCLUSION.

The government of the city is now intrusted to our hands, and the great public interests to which I have referred are placed in our charge and keeping. We are the representatives and servants of the whole people, and have taken a solemn obligation to protect them in their persons and property, and to manage their public affairs with the strictest fidelity, and to the full extent of our ability. For the proper discharge of this important duty all the members of the government are equally responsible, and every one should at all times exercise the same care and devotion to the public good as if the entire result depended upon his individual efforts. It therefore behooves every one to make a special study of the condition and wants of this municipality, and all measures upon which he will be called upon to act should be thoughtfully examined and considered.

It is hoped that every member of the government will feel that nothing but the most urgent necessity should prevent his prompt attendance upon all of the meetings of the departments and committees to which he belongs, and thus prevent all delays and embarrassments which would otherwise follow.

Let all our official acts be above board and open to the inspection and criticism of every citizen, and let us resolve to perform our duties with the strictest impartiality, and without discrimination in favor of any class or individual,

whether they occupy the highest or the lowest position in the social scale.

In our intercourse with one another let us cultivate a spirit of respect and good-will, and let our official relations at all times be characterized by courtesy and mutual forbearance. And now let us consecrate our best faculties and powers to the service of the people, and seek for the inspiration of Divine Wisdom to aid and assist in every hour of difficulty and doubt, so that in surrendering the trusts which have been committed to our care we may have the approbation of our own consciences, and the satisfaction of knowing that we have done all in our power to perpetuate the fair fame and to promote the prosperity of our city.

REPORT

OF THE

BOARD OF WATER COMMISSIONERS.

WATER BOARD FOR 1885.

- ALPHEUS GAY, *President*, term expires January 1, 1887.
JAMES A. WESTON, *Clerk*, term expires January 1, 1891.
GEORGE H. STEARNS, *Mayor*, term expires January 1, 1887.
WILLIAM P. NEWELL, term expires January 1, 1890.
EBEN T. JAMES, term expires January 1, 1886.
A. C. WALLACE, term expires January 1, 1888.
E. H. HOBBS, term expires January 1, 1889.

CHARLES K. WALKER, *Superintendent*.

ARTHUR E. STEARNS, *Registrar*.

CHARLES C. COLE, *Engineer at Pumping Station*.

REPORT
OF THE
BOARD OF WATER COMMISSIONERS.

To the City Councils of the City of Manchester:—

GENTLEMEN,—The Board of Water Commissioners herewith present their thirteenth annual report, together with the report of the superintendent to this board, for the year ending December 31, 1884.

The total income of the water-works for this period has been seventy-five thousand five hundred eighty dollars and eight cents (\$75,580.08); the ordinary current expense of operating and maintaining the works has been ten thousand eight hundred seventy-eight dollars and thirty-seven cents (\$10,878.37), leaving, as net receipts, sixty-four thousand seven hundred one dollars and seven-one cents (\$64,701.71). This is an excess of net receipts in 1884 over those of 1883 of one thousand one hundred eighty-two dollars and forty-three cents (\$1,182.43).

The water-works are answering the purpose for which they were constructed in a satisfactory manner. The revenue has been constantly increasing, and to such an extent that the commissioners have felt warranted in reducing the rates for public fire-hydrants from sixty dollars (\$60.00) to fifty dollars (\$50.00) per annum, each. Other reductions are in contemplation, and will be carried into effect as soon as it shall appear that the interests of all concerned will be promoted thereby.

The details of the operations of this department are so fully given in the accompanying report of the superintendent that it is not deemed necessary to repeat them here, preferring that his report to the board shall be considered as a part of this to the city councils.

Respectfully submitted.

ALPHEUS GAY, *Chairman*,
H. B. PUTNAM, *Mayor*,
WILLIAM P. NEWELL,
A. C. WALLACE,
E. T. JAMES,
E. H. HOBBS,
JAMES A. WESTON, *Clerk*,
Board of Water Commissioners.

January 1, 1885.

SUPERINTENDENT'S REPORT.

To the Water Commissioners of the City of Manchester:—

GENTLEMEN,— I have the honor to present herewith the annual report of the Superintendent for the year ending December 31, 1884.

MASSABESIC LAKE.

The water in the lake was higher in the spring than usual, it being thirty-four and one-half inches above the dam in the month of March.

This fall the water has been low, nearly at the same height as it was when the channel was cut down. At that time, November 27, 1880, it measured twenty-five inches below the dam. The present season at the same date, twenty-three inches. December 31, 1880, the water was twenty-seven and one-half inches below the dam, December 31, 1884, twenty and one-half inches below, making seven inches more water now than at that time.

The suit brought by the town of Auburn in December, 1882, against the city of Manchester for alleged damage to the highway at Severance's beach by high water, has been amicably adjusted.

No repairs have been required on the dam, canal, penstock or reservoir during the year.

PUMPING STATION.

The repairs at the pumping station amount to about \$300. The shafting on one side was taken out and

repaired by Hutchinson Brothers and replaced. Both of the water-wheels were stopped in October by eels filling up the buckets. New step for one wheel and new teeth for the bevel gear were bought, but not put in. It was thought best to have them on hand as the ones now in use show signs of wearing. Such other repairs were made to the buildings and machinery as were deemed necessary to keep the property in first-class condition, and a new stove was placed in the wheel-pit. Both wheels have been required to run the pumps for the last three months, on account of the low stage of water.

MONTHS.	No. hours' work for both pumps.	Average stroke per minute.	Total No. strokes per month	Total No. gallons pumped in one month.	Daily average gallons pumped.
January	676 h.	16.34	662,732	41,752,116	1,346,843
February.....	557 " 50 m.	16.00	535,506	33,736,878	1,205,604
March.....	617 " 20 "	15.70	581,354	36,625,302	1,181,461
April	599 " 50 "	15.55	558,032	35,156,016	1,171,867
May	640 " 40 "	15.93	614,930	38,740,590	1,249,696
June.....	707 " 20 "	16.23	688,814	43,395,282	1,446,509
July	783 " 30 "	15.91	748,074	47,128,562	1,520,276
August.....	729 " 20 "	15.32	670,538	42,243,894	1,362,706
September.....	719 " 30 "	14.82	638,932	40,252,716	1,341,757
October.....	653 "	15.03	588,908	37,101,204	1,196,813
November	595 " 10 "	15.46	561,140	35,357,820	1,178,394
December	701 " 50 "	14.91	627,884	39,556,692	1,276,022
Totals and average .	7,981 h. 20 m.	15.60	7,476,644	471,041,072	1,284,265

It will be seen by the foregoing that the amount of water pumped in 1884 is more than the average for the four years previous. The increase is in the months of May, June, and July, and in these months 19,000,000 gallons more water were pumped than in 1883 in the

same months. It is evident that this extra amount was nearly all pumped for the Amoskeag Company. They were repairing their reservoir at this time, and getting their supply by pumping directly into their pipes; but on Sundays, when the canal was drawn off, and at other times when repairs were necessary, they were supplied by the city.

FORCE AND SUPPLY MAIN.

There have been more leaks in the force and supply main than last season, but not bad ones. When the new supply main in Valley street is fully completed and connected with the present one near the Mammoth road, the danger of any serious trouble by a bad break will have ended, as well as the inconvenience to the water-takers living on higher land than the Amoskeag Company's reservoir, for the reason that our supply is from the last named source whenever it becomes necessary to shut off the main pipe in order to make repairs.

DISTRIBUTION PIPE.

The water pipe extended in the year 1884 was laid in the following streets: Auburn, Adams, Ashland, Baker, Beech, Bay, Bath, Calef road, Clarke, East High, Elm, Gore, Monroe, Marion, McGregor, Mast road, Orange, Pennacook, Parker, Putnam, north River road, Shasta, Union, and Valley streets, making twenty-four different streets. The amount laid was 19,639 feet, a little over three and two-third miles, at an expense of \$24,500. Ledge was encountered on Mast road and Union street, and a small amount on the Calef road. The pipe laid on Valley street is the beginning of another supply main, and it is the intention to continue it another year as far as the Hallsville school-house on Massabesic street. It is

now laid from Elm street to within three hundred feet of Taylor street. It is twelve-inch pipe from Elm to Beech street, fourteen-inch from Beech to Wilson street, and the remainder is twenty-inch, which will be the size to be continued. The distance laid to date from Elm street is 6,415 feet, and the amount laid the past year is 5,912 feet, at an expense of \$10,000.

We have had about the same number of leaks during the year as usual, and five bursts where cement pipe was taken out and repaired with cast-iron. The principal damage done was on Cedar street, where the water filled up three cellars, and in one a small portion of the cellar wall fell in. The damage was settled for soon after to the satisfaction of the tenants and the owners of the property.

The pipe in the river holds good. The rubbling done on the east bank prevented the washing of the sand from under the pipe, and more rubble was put on last spring.

The following places are where cement-lined pipe was taken out and cast-iron laid instead:—

Cedar, 8 feet of 6 inches, near No. 174.

Center, 8 feet of 6 inches, opposite Ranno's shop.

Hanover, 8 feet of 6 inches, opposite post-office.

Manchester, 8 feet of 6 inches, opposite No. 140.

Manchester, 8 feet of 6 inches, opposite No. 15.

Winter, 8 feet of 6 inches.

PIPES AND FIXTURES LAID IN 1884.

STREETS.	Length in feet laid.							Gates Set.							Hydrants.	LOCATION.
	20in	14in	12in	10in	8 in.	6 in.	4 in.	14in	12in	10in	8 in.	6 in.	4 in.			
Adams ...						316							1		1	Main westward.
Ashland ..				692						1						Lowell to Bridge
Auburn ...						262									1	Union, eastward.
Bay						102										Salmon, south.
Baker						1598							2		2	Elm to Nutt rd.
Bath.....						102										Shirley, eastward.
Beech			316						1				1		1	Brook to Gore.
Calef road				2056	8	1800							2		2	1 Baker to Cemetery.
Clarke....						645							2		1	1 Elm to River road.
Elm.....		750														Monroe to Clark
Gore.....						296							1		1	1 Beech, westward
High, East						36							1		1	1 Ashland, westward.
Marion ...						10									1	1 McGregor, westward.
Mast road						1367							1		1	1 To J. N. Prescott's house.
“ “ S.						375									1	1 To J. P. Brock's house.
McGregor.						8									1	1 Hydrant branch
Monroe....						144										Elm, westward.
N. River rd						1083									2	2 North to J. O. Clark's.
Orange....						1215							1		4	4 Beech to Russell west end of St. East to Dudley block.
Parker.....							500									To Union street.
Pennacook						20										To Union street.
Putnam....						56							1		1	1 Main, westward.
Shasta.....						600									1	1 Nutt road to Beech.
Union.....						409										Pennacook, northward.
Valley ...	1330	1923	1593			27		1	1				2		3	3 Jail to Belmont.
	1330	2673	1909	692	2056	8679	2300	1	2	1	....	12	3	23		

Number miles of pipe laid in 1884, 3.72.

Gore.....	370	184	186	200	296	2	1	1	1
Granite.....		59		200	713	2	3	4	4
Grove.....		59					1	1	1
Green.....		59			1181		1	1	1
Hancock.....		5244		4	34		5	3	3
Hauover.....		1024			260		5	10	10
Hazel.....		1525			558		2	5	5
Harrison.....		858					2	3	3
High.....		408			348		2	3	3
Hollis.....		750					2	3	3
Kidder.....		57					1	1	1
Kidder's Court...		64			55		2	2	2
Langdon.....		4054			8		4	8	8
Laurel.....		32		332		4	5	6	6
Lowell.....		4064			831		5	10	10
Manchester.....		1108½			7½		3	2	2
Maple.....		962					2	3	3
Market.....		788					2	3	3
Mechanic.....		1031					2	3	3
Merrimack.....		4864			65	1	6	15	15
Middle.....		768					1	2	2
Monroe.....		2719			242		1	1	1
Myrtle.....		57			735		3	9	9
Nachua.....		336			477	1	1	1	1
North.....		231			9			1	1
North Private Way		1784						3	3
North River road		45	104	863	1096		3	9	9
Orange.....		1784			1520		6	8	8
Park.....	4354.0	45			1800	3	6	1	8
Pennacook.....		1683			1570		2	4	4
Pearl.....		3195			1151	1	2	10	10
Pine.....		877			755	6	4	6	6
Pleasant.....		1064			12		2	4	4
Prospect.....		1497			972		3	8	8
River road.....					722		1	1	1
Sagamore.....					203				
Shasta.....		744			658		1	2	2
Spring.....		2858½			8		2	3	3
Spruce.....		808			350½		3	7	7
Stark.....		830			6		2	3	3
State.....		59			47		2	3	3
Summer.....		651			409		1	1	1
Union.....		319					1	2	2

LOCATION OF HYDRANTS SET IN 1884.

Auburn, corner Franklin.
 Adams, corner Main.
 Baker, corner Calef road.
 Baker, corner Nutt road.
 Calef road, near Patrick Harrington's.
 Clarke, corner Elm.
 Gore, corner Beech.
 High, corner Ashland.
 Marion, corner McGregor.
 Mast road, near J. N. Prescott's.
 Mast road, near J. P. Brock's.
 McGregor, near Johnson block.
 Orange, corner Ash.
 Orange, corner Maple.
 Orange, corner Oak.
 Orange, corner Russell.
 Putnam, corner Main.
 River road, near J. O. Clark's.
 River road, near Mrs. John Kelley's.
 Shasta, corner Beech.
 Valley, corner Beech.
 Valley, corner Wilson.
 Valley, corner Belmont.

HYDRANTS TAKEN OUT.

Concord, corner Nashua.
 Depot, near Head & Dowst's stable.

DISTRIBUTION PIPES AND GATES LAID TO DATE.

SIZE.	Cement-lined pipe.	Cast-iron pipe.	Gates.
20 inch diameter.....	20,627.90	1,741.0	5
14 inch diameter	6,825.00	7,598.0	11
12 inch diameter.....	8,118.00	10,142.0	19
10 inch diameter... ..	5,023.75	9,740.0	14
8 inch diameter.....	12,563.00	8,022.0	32
6 inch diameter.....	82,347.00	44,092.5	213
4 inch diameter.....	8,592.00	4,484.0	22
	144,096.65	85,819.5	316

27.291 miles cement-lined pipe.

16.254 " cast-iron pipe.

43.545 miles cast-iron and cement-lined pipe.

316 gates.

371 hydrants.

7 air-valves.

METERS.

There have been set, during the year, forty-five (45) meters, making in all four hundred forty-six (446).

The number of applications for water to date have been twenty-six hundred and twenty-five (2,625).

SERVICE PIPES.

One hundred and eighty-two (182) service pipes have been laid this year, as follows:—

180	1 inch diameter	.	.	.	.	.	4,383.7 feet
2	2 " "	.	.	.	.	.	16.5 "

Length of service pipe laid, 1884 . . . 4,400.2 feet

Twenty-four hundred and seventy-six (2,476) service pipes have been laid to date, as follows:—

40	$\frac{1}{2}$	inch diameter	.	.	.	.	860.7 feet
1,785	$\frac{3}{4}$	"	"	.	.	.	46,946.7 "
592	1	"	"	.	.	.	15,730.0 "
20	$1\frac{1}{4}$	"	"	.	.	.	1,188.9 "
2	$1\frac{1}{2}$	"	"	.	.	.	73.0 "
31	2	"	"	.	.	.	795.2 "
6	4	"	"	.	.	.	172.0 "

Total length of service pipe . . . 65,766.5 feet
 Number of miles of service pipe . . . 12.46.

The income from the sale of water for 1884 has been as follows : —

Received for water by rate	.	.	\$53,074	07
" " " " meter	.	.	20,017	80
" " rent of meters	.	.	1,311	95
" " fines	.	.	231	96
" " setting meters	.	.	117	00
" " building purposes	.	.	195	10
" " labor and pipe sold	.	.	616	20
" " stone	.	.	5	00
" " hay on Neal meadow	.	.	10	00
" of G. G. Griffin	.	.	1	00
Total	.	.	\$75,580	08

Abatements, \$188.60.

Current expenses for 1884	.	.	\$10,878	37
Construction expenses for 1884	.	.	25,882	36
Retained by the city	.	.	38,000	00
Total expended	.	.	\$74,760	73

Receipts over expenditures	.	.	\$819	35
Balance on hand Dec. 31, 1883	.	.	26,338	08
			\$27,157	43

CLASSIFICATION OF ACCOUNTS FOR 1884.

Superintendence, collecting, and repairs	\$8,052 07	
Stationery and printing	196 16	
Office and incidental expenses	571 61	
	<hr/>	\$8,819 84
Pumping expenses	\$2,054 18	
Repairs to buildings	4 35	
	<hr/>	\$2,058 53
Running expenses for 1884		\$10,878 37
Service pipes	\$2,270 39	
Distribution pipes	21,113 34	
Fire-hydrants and valves	1,464 07	
Meters and fittings	1,034 56	
	<hr/>	
Expended on construction, 1884		\$25,882 36
		<hr/>
Total expended in 1884		\$36,760 73
Land and water rights	\$38,643 93	
Dam, canal, penstock, and races	101,399 16	
Pumping machinery, pump-house, and buildings.	88,493 96	
Distributing reservoir and fixtures	71,542 36	
Force and supply main	88,674 02	
Distribution pipes	298,447 47	
Fire-hydrants and valves	34,862 41	
Tools and fixtures	10,649 35	
Boarding and store houses	919 36	
Roads and culverts	2,193 49	
Supplies	550 39	
Engineering	22,176 19	
Livery and traveling expenses	2,856 64	

Legal expenses	\$563 79
Grading and fencing	12,343 50
Service pipes	37,261 03
Meters and fixtures	13,412 24

Total construction account
to Dec. 31, 1884 \$824,989 29

Current expenses : —

Superintendence, collecting, and repairs	\$73,350 01
Stationery, printing, etc.	4,416 38
Office and incidental expenses	5,074 87
Pumping expenses and repairs	17,004 27
Repairs to dam, canal, races, and reservoir	1,770 75
Repairs to buildings	317 71

Current expenses to Dec.
31, 1884 \$101,933 99

Interest	\$40,678 51
Highway expenditures	14,000 53
	<u>\$54,679 04</u>

Total amount of bills ap-
proved to date \$981,602 32

Interest, discount and labor per- formed on highway, trans., and tools and materials sold	\$59,943 54
---	-------------

Current expenses to Dec. 31, 1884 101,933 99
\$161,877 53

Total cost, not including in-
terest and current expenses \$819,724 79

Interest and discount to Dec. 31, 1883	\$382,069 51
Interest for 1884	35,808 00
	<hr/>
Total interest and discount to Dec. 31, 1884	\$417,877 51
Amount paid toward interest to Dec. 31, 1883	\$229,000 00
Amount used by city in 1884	38,000 00
	<hr/>
	\$267,000 00

The following amounts have been paid over to the city treasurer, and credited to the water-works:—

1872, supplies and mate- rials sold	\$573 61
1873, supplies and mate- rials sold	177 07
accrued interest on water bonds sold	193 26
accrued interest on state bonds sold	146 00
water rents	1,920 53
1874, supplies and mate- rials sold	607 89
March 12, 1874, highway expendi- tures, trans. from water account	14,000 53
March 17, 1874, interest and dis- count, trans. from water account	12,347 25
Sept. 1, 1874, interest and dis- count, trans. from water account	22,361 74
1874, water and hydrant rent, etc.	30,233 54

Dec.	29, 1874, interest trans-		
	ferred	\$4,566	25
Dec.	18, 1875, 1 anvil sold	15	00
Sept.	25, 1875, engine, crusher,		
	and material sold	2,089	45
	1875, water and hydrant		
	rent, etc.	27,119	15
May	20, 1876, derrick sold	125	00
May	20, 1876, rent of derrick	24	00
	1876, water and hydrant		
	rent, etc.	38,879	47
	1877, water and hydrant		
	rent, etc.	43,823	30
	1878, water and hydrant		
	rent, etc.	48,873	26
	old plow sold	1	00
	1879, derrick sold	75	00
	water and hydrant		
	rent, etc.	53,068	17
	1880, water and hydrant		
	rent, etc.	57,395	25
	sale of grass	10	00
	'level, transit, etc.	250	00
	1881, water and hydrant		
	rent, etc.	60,164	62
	sale of grass	10	00
	sale of derrick	50	00
	received of G. G.		
	Griffin	1	00
	1882, water and hydrant		
	rent, etc.	67,403	76
	received of G. G.		
	Griffin	1	00

1882, received of James Baldwin & Co.	\$175 00
received from the sale of grass	10 00
received from Goodhue & Birnie	24 37
received for old plank	1 00
received for use of derrick	15 00
1883, received of G. G. Griffin	1 00
received from sale of grass	20 00
water and hydrant rent, etc.	73,437 20
1884, received of G. G. Griffin	1 00
received for stone	5 00
received from sale of grass	10 00
received from pipe sold and labor	616 20
received for water and hydrant rent	74,947 88
Total received for water, etc.	<u>\$635,759 75</u>
Amount appropriated to date	640,000 00
Total received to date	<u>\$1,275,759 75</u>
Amount of bills approved to date	981,602 32
	<u>\$294,157 43</u>

Amount transferred toward interest, etc.	\$267,000 00
Balance on hand Dec. 31, 1884 .	\$27,157 43

Respectfully submitted.

CHARLES K. WALKER,

Superintendent.

USES FOR WHICH WATER IS SUPPLIED.

PUBLIC BUILDINGS.

1 Jail.	2 Cemeteries.
12 Churches.	1 Orphanage.
1 Court-house.	1 Post-office.
4 Hose-companies.	1 City Library.
4 Fire-engines.	5 Banks.
1 Hook-and-ladder.	4 Hotels.
2 Opera-houses.	1 Masonic Hall.
1 Music Hall.	1 Odd Fellows' Hall.
1 Convent.	1 Holly-Tree Inn.
1 City Hospital.	3 Halls.
1 Old Ladies' Home.	22 School-houses.
1 Soldiers' Monument.	1 Battery Building.
1 Turner Hall.	1 Skating Rink.

MANUFACTURING ESTABLISHMENTS.

1 Silver-plating.	2 Sash and blind shops.
1 Iron foundry.	1 Brewery.
2 Dye-houses.	2 Shoe-shops.
2 Machine-shops.	1 Pop-corn.
6 Clothing manufactories.	1 Gas-works.
4 Harness-shops.	4 Slaughter-houses.
1 Brush-shop.	1 Soap manufactory.
3 Carriage-shops.	1 Needle manufactory.
4 Cigar.	1 Beer-bottling.
1 Brass and copper foundry.	1 Book-bindery.
1 Locomotive-works.	

MARKETS.

4 Fish.	2 Meat (wholesale).
9 Meat and fish.	

STABLES.

466 Private.	14 Livery.
1 Horse-railroad.	

OFFICES.

6 Dentists.	7 Printing.
1 Telephone.	1 Gas.
1 Telegraph.	3 Coal.
2 Express.	

SHOPS.

22 Barber.	2 Curryng.
1 Wheelwright.	4 Plumber and gas and water pipe.
7 Blacksmith.	8 Paint.
5 Carpenter.	1 Gunsmith.
1 Tinsmith.	

STORES.

4 Auction.	71 Grocery.
20 Drug.	5 Meal.
9 Jewelry.	3 Hardware.
1 Fur.	18 Boot and shoe.
2 House-furnishing goods.	8 Stove.
21 Fancy goods.	15 Gents' furnishing goods.
1 Wholesale paper.	10 Book.
5 Wholesale produce.	1 Leather and shoe-finders.
15 Dry goods.	3 Music.
12 Candy.	3 Upholstery.
1 Cloak.	5 Undertakers.
15 Millinery.	5 Sewing-machine.
2 Tea.	1 Feather-cleaner.
2 Furniture.	

SALOONS.

9 Dining.	65 Liquor.
6 Billiard.	

MISCELLANEOUS.

4 Club-rooms.	3 Greenhouses.
2 Bleacheries.	1 Band-room.
8 Laundries.	12 Bakeries.
2 Ice-houses.	1 Waste.
9 Photographers.	

WATER FIXTURES, ETC.

6298 Families.	114 Urinals.
96 Boarding-houses.	1350 Sill-cocks.
7236 Faucets.	371 Fire-hydrants.
982 Wash-bowls.	24 Stand-pipes.
1133 Water-closets.	16 Water-troughs.
287 Wash-tubs.	1186 Horses.
348 Bath-tubs.	52 Cattle.

MATERIAL ON HAND.

BRANCHES.

2 double 6 on 20.	2 single 6 on 6.
5 double 6 on 12.	2 single 10 on 10.
2 double 6 on 8.	4 single 6 on 20.
8 double 6 on 10.	5 single 6 on 10.
2 double 4 on 6.	2 single 8 on 8.
4 single 6 on 12.	1 single 12 on 14.
2 single 6 on 14.	4 single 6 on 4.

REDUCERS.

1 14 in. x 12 in.	1 6 in. x 4 in.
2 12 in. x 6 in.	

WHOLE SLEEVES.

5 20 in.	6 14 in.
1 12 in.	1 10 in.
14 6 in.	4 4 in.

CLAMP SLEEVES.

2 20 in.	7 14 in.
4 12 in.	3 10 in.
8 8 in.	6 6 in.
3 4 in.	

BENDS.

1 6 in. 1-4 bend.	4 6 in. 1-8 bend.
4 6 in. 1-16 bend.	1 14 in. 1-8 bend.
1 12 in. 1-8 bend.	

PIPE.

192 ft. 20 in. pipe.	348 ft. 14 in. pipe.
204 ft. 12 in. pipe.	160 ft. 10 in. pipe.

120 ft. 8 in. pipe.	372 ft. 6 in. pipe.
768 ft. 4 in. pipe.	278 ft. 2 in. pipe.
1834 ft. 1 in. pipe.	893 ft. 3-4 in. pipe.
4200 lbs. lead.	500 lbs. lead pipe.

GATES.

1 20 in. Boston machine.	3 6 in. Ludlow spigot.
4 4 in. Ludlow hub.	3 6 in. Boston machine hub.
3 12 in. cast-iron plugs.	7 cast-iron gate domes.

INVENTORY OF TOOLS AT THE PUMPING STATION.

1 scoop-shovel.	2 axes.
4 common shovels.	4 oil-cans.
1 desk.	2 oil-tanks.
1 one-inch auger.	100 pounds waste.
5 lanterns.	10 pounds black lead.
3 monkey-wrenches.	1 cord wood.
1 square.	14 tons coal.
1 plumb square.	2 ice-chisels.
1 sprinkler-pot.	2 cold chisels.
1 clock.	2 wood-chisels.
1 washer-cutter.	2 hammers.
2 planes.	3 drip-pans.
1 thermometer.	1 two-inch auger.
1 lawn-mower.	1 ten-inch arbor for babbitt-
1 socket-wrench.	ing.
6 fork wrenches.	1 flash-board hook.
2 screen-rakes.	1 broom.
4 crow-bars.	2 sets blocks and falls.
1 bellows and anvil.	6 pounds hemp packings.
2 pipe-wrenches.	1 draw shave.
1 window-brush.	2 screw plates, taps and
1 gate-wrench.	dies.
1 long key.	1 vise.

- | | |
|--|-------------------------------------|
| 1 hydrant wrench. | 200 feet 7-8 inch hose. |
| 1 wheelbarrow. | 2 set dog-chains. |
| 1 five-pail kettle. | 1 set blacksmith's tools. |
| 3 picks. | 1 bushel basket. |
| 1 clothes-dryer. | 2 pieces Scotch sewer-pipe. |
| 2 ladders. | 1 force pump. |
| 2 stoves. | 1 bill-hook. |
| 3 coal-hods. | 1 clevis and pin. |
| 1 coal-sifter. | 1 harrow. |
| 2 gallons sperm oil. | 1 timber-roll. |
| 1 bench. | 4 sprinkling-pots. |
| 2 levels. | 1 lot lumber. |
| 1 waste-press. | 1 lot old iron. |
| 1 Scotch driller. | 5 oil barrels. |
| 2 nozzles. | 4 mortar hoes. |
| 1 pair shears. | 1 iron shovel. |
| 1 pair pliers. | 150 feet hose. |
| 1 wire-cutter. | 1 No. 5 plow. |
| 1 boat. | 3 grub-hoes. |
| 1 set steps. | 3 bush-scythes and snaths. |
| 1 1-4 barrels oil. | 2 axes. |
| 1 jack-screw. | 1 bellows, on the island at
dam. |
| 1 brace and six bits. | 10 mason-hods. |
| 1 trowel. | 1 lot of old wheelbarrows. |
| 2 wood-saws. | 1 lot of old shovels. |
| 2 hand-saws. | 1 20-inch gate. |
| 1 iron slush-bucket. | |
| 2 sets of gate screws (brass), with mats and cases for the same. | |

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 respectfully present their thirty-first annual report of the affairs of the library, together with the report made to them by the treasurer of the board, showing the expenditures made by him in behalf of the board from the funds placed under their control, and the report of the librarian, which sets forth in detail the statistics and operations of the library and other property under her charge at the close of the year.

By an examination of the report of the treasurer it will be seen that there has been expended during the year, for the purchase of books, the sum of one thousand and seventy-one dollars and sixty-three cents, and for the purchase of periodicals the sum of one-hundred and eighty-six dollars and sixteen cents, making a total expenditure for these purposes of twelve hundred and fifty-seven dollars and seventy-nine cents. Of the amount expended for the purchase of books, the sum of three hundred and one dollars and ten cents was taken from the income of the Dean fund and used for the purchase of additional books for that department of the library.

The balance in the hands of the treasurer at the close of the year of the amount appropriated by the city councils for the purchase of books was five hundred and twenty-nine dollars and fifty-five cents. The balance of the income of the Dean fund, with the accumulated interest thereon, amounted to four thousand and eighty-one dollars and sixty-seven cents. This sum, together with the balance above indicated, constitutes the funds in the hands of the trustees, available at the close of the year for the future increase of the library.

The expenditures for the incidental expenses of the library for the past year have been twenty-five hundred dollars and seventy-seven cents. The details of these expenditures — the bills for which have been paid by the city treasurer on the approval of the trustees — will be found in the annual report of the city. The item for fuel is apparently large, but in reality is the amount expended for two years' supply, which was purchased and placed in the library building by a committee of the city councils, the bills for the same having been presented to the trustees and paid in the months of January and December of the past year.

From the report of the librarian it appears that the library has been open for the delivery of books three hundred and six days, during which period the number of books delivered for home use was fifty thousand nine hundred and fourteen. In addition to this number delivered for general circulation, five thousand eight hundred and forty-eight books and magazines have been delivered for use in the reading-room at the library, making the total number delivered during the year fifty-six thousand seven hundred and sixty-two, an average of one hundred and eighty-five per day. As compared with the circulation of the previous year, which was the largest since the establishment of the library, the circulation

for home use appears to have decreased a little over three thousand, while the number of books and magazines delivered for use at the reading-room shows an increase of fourteen hundred and sixty-eight. This decrease in the circulation of books for home use, which was principally in the last six months of the year, the librarian thinks may have been occasioned by the interest taken by the people in the recent presidential election.

The number of volumes in the library at the date of the last report was twenty-six thousand nine hundred and thirty-five. During the year there have been added, by purchase five hundred and fifty-four volumes, by donation two hundred and eighty-seven volumes, and ninety-one periodicals have been bound, making the number of bound volumes in the library at the present time twenty-five thousand nine hundred and sixty-seven, and the total number, including maps and pamphlets, twenty-seven thousand eight hundred and sixty-seven.

Sixty-seven different periodicals have been regularly received at the library, and as the volumes have been completed they have been bound and placed upon the shelves for general circulation. The number of books worn out and withdrawn from circulation the past year was sixty-five. Of this number, and of those retired from circulation in former years for like reason, eighty-six have been replaced. Others will be replaced as soon as it is possible for the trustees to secure them.

Following the report of the librarian will be found a list of the books presented to the library during the year, together with the names of the persons presenting them. Among those who have made contributions to the library during the past year the trustees are under special obligation to James L. Campbell, Esq., of Lowell, Mass., but formerly a resident of this city, who not only generously presented to the city library six complete volumes of the

“ Union Democrat ” for the years 1851, 1852, 1853, 1854, 1855 and 1862, but also placed at the disposal of the trustees all the files of that paper in his possession, for the purpose of supplying any missing numbers in the files of the library. The trustees accepted the liberal offer of Mr. Campbell, and the library is now in possession of a complete file of the “ Union Democrat ” from the commencement of its publication, which will prove of great value, not only for reference, but also as a record of events that have occurred in the city and state for the past thirty-three years. To all who have so generously aided in the increase and usefulness of the library, the trustees return the thanks of the city.

In furtherance of the plan outlined in previous reports the trustees have continued the purchase of books from the accumulation of the Dean fund. During the year ninety-nine volumes of valuable mechanical and scientific works have been purchased at a cost of three hundred and one dollars and ten cents, and placed in the alcoves designated as the “ Dean Fund Purchase.” The trustees feel that they cannot too often direct the attention of the public to the special works on mechanical and scientific subjects contained in this department of the library, that the citizens may avail themselves of the opportunities there presented for practical knowledge and research.

At a meeting of the trustees held in the early part of the year the following resolution was passed: —

Resolved, That the treasurer be authorized to solicit, for the purpose of preservation at the library rooms, contributions of portraits of persons who were prominent in establishing and managing the old athenæum, or who were benefactors of that organization; also portraits of persons who have been identified with the city library as organizers, managers, or benefactors, and also portraits of prominent residents of the city.

In pursuance of this authority the treasurer of the board has consulted with the families of a number of deceased

residents, and the encouragement received warrants the trustees in stating that the portraits of several deceased citizens who have been connected with the management of the library will be placed in the library rooms.

The trustees feel the necessity of again calling the attention of the city councils to the urgent need of the library for a catalogue of recent additions. The last catalogue, which was published in the early part of 1878, contained the titles of books which had been added to the library to December 31, 1877. Since the publication of this catalogue more than six thousand volumes have been added to the library. The public suffer much annoyance and loss of time from the lack of information which could be obtained from a proper catalogue. No library can exert its best influence, or fully accomplish its design, unless the public has the means of knowing what books are contained in its rooms. It is idle for the trustees to purchase books from year to year and place them upon the shelves of the library, expecting the public to read them, unless proper facilities are also supplied, from which a knowledge of such accessions can be obtained. We do not think that, if an appropriation were made for this purpose at the present time, the catalogue could be compiled and printed in less time than a year.

The annual appropriation made by the city councils for the library has been barely sufficient to meet the incidental expenses, and without a special appropriation the trustees cannot arrange for the compilation and printing of such a catalogue as would meet the needs of the library. The trustees earnestly commend to the early consideration of the members of the city councils whether the influence and usefulness of an institution of so much importance to the tax-payers as the library, which interests and instructs every class and age in the community, ought not to be encouraged by a proper regard for its require-

ments, rather than abridged by an illiberal policy on the part of the city councils. We would respectfully suggest that, if in the opinion of the members of the city councils the conditions of the finances of the city would not warrant an appropriation sufficient to cover the entire expense of compilation and printing of such a catalogue as would be desirable of the books added to the library since December 31, 1877, an appropriation might be made the present year to meet the cost of compilation, and the cost of printing might be provided for by an appropriation next year.

The trustees are not aware that any circumstance has occurred during the past year to disturb the harmonious operation of the library. The librarian, Mrs. M. J. Buncher, has fulfilled the duties of her position with the same fidelity as heretofore, and to the satisfaction of the board.

Owing to the increased expense in heating and lighting the library, occasioned by the recent addition to the library building, and the additional compensation paid to the librarian and her assistant, the trustees are under the necessity of asking for a small increase of the usual appropriation to meet the incidental expenses of the library.

The trustees desire to return their acknowledgments to the members of the city councils and other officers of the city with whom they have been brought in contact in the management of the affairs of the library, for their courtesy in all matters relating to its operation.

January 17, 1884.

In Board of Trustees, read and approved, and ordered to be signed by the chairman and clerk of the board, and transmitted to the city councils.

GEORGE H. STEARNS, *Mayor*.

N. P. HUNT, *Clerk*.

TREASURER'S REPORT.

To the Board of Trustees of the City Library: —

The Treasurer of the Board makes the following report of the receipts and expenditures by the board of the funds received on account of the city library: —

1884.	DR.
Jan. 1. To balance of appropriation . . .	\$401 74
March 3. Mrs. M. J. Buncher, balance of fines	55 07
Mrs. M. J. Buncher, for cata- logues sold	29 43
July 18. appropriation for 1884 for books	1,000 00
Jan. 1. balance of income of Dean fund \$3,915 18	
income of Dean fund	153 00
July 1. income of Dean fund	153 00
interest on accumu- lation of income	75 85
interest on accumu- lation of income	85 74
	\$4,382 77
	\$5,869 01
1884.	CR.
Jan. 5. Paid N. E. News Co., periodicals .	\$11 96
5. Little, Brown, & Co., books .	20 00

Jan.	23.	Paid Geo. H. Polley & Co., periodicals	\$12 00
Feb.	5.	N. E. News Co., periodicals	12 32
	5.	Little, Brown, & Co., books	20 00
	8.	Soule & Bugbee, periodicals	5 00
	12.	Little, Brown, & Co., books	3 75
	16.	W. H. Stevenson, periodicals	5 08
	20.	Temple & Farrington, books	2 25
	27.	Boston Society Natural History, periodicals	7 00
March	3.	Mrs. M. J. Buncher, books	3 50
	4.	N. E. News Co., periodicals	10 66
	7.	Lockwood, Brooks, & Co., books	26 52
	11.	Little, Brown, & Co., books	30 00
	15.	Lockwood, Brooks, & Co., books	80 52
April	4.	N. E. News Co., periodicals	20 72
	29.	Little, Brown, & Co., books	4 25
May	5.	N. E. News Co., periodicals	11 18
June	2.	C. F. Bradley, books	4 25
	5.	N. E. News Co., periodicals	15 35
	13.	J. E. Miller, books,	4 75
	18.	Geo. W. Tyron, Jr., books	5 00
	24.	Little, Brown, & Co., books	3 50
July	5.	N. E. News Co., periodicals	11 30
	14.	Charles Scribner's Sons, books	6 00
Aug.	5.	N. E. News Co., periodicals	11 56
	9.	Estes & Lauriat, books	83 98
Sept.	1.	Estes & Lauriat, books	8 00
	10.	N. E. News Co., periodicals	14 08
	10.	Temple & Farrington, books	10 00
	10.	Temple & Farrington, books	16 50
Oct.	4.	N. E. News Co., periodicals	9 78

Oct.	8.	Paid Estes & Lauriat, books	\$60 50
	24.	Lockwood, Brooks, & Co., books	32 80
Nov.	4.	N. E. News Co., periodicals	11 37
	6.	Thos. N. Dountney, books	2 00
	29.	Cleaves, Macdonald, & Co., books	166 30
Dec.	1.	Cleaves, MacDonald, & Co., books	30 80
	1.	Cleaves, MacDonald, & Co., books	37 90
	3.	N. E. News Co., periodicals	16 80
	3.	Lockwood, Brooks, & Co., books	2 34
	3.	Little, Brown, & Co., for Dean Fund Purchase, books	291 61
	3.	Little, Brown, & Co., for Dean Fund Purchase, books	9 49
	12.	Lockwood, Brooks, & Co., books	21 18
	13.	Cleaves, MacDonald, & Co., books	62 70
	13.	Cleaves, MacDonald, & Co., books	15 61
	15.	Little, Brown, & Co., books	1 88
	16.	Little, Brown, & Co., books	3 75
	31.	By balance of appropriation, etc.,	529 55
	31.	balance of income of Dean fund	4,081 67
			<hr/>
			\$5,869 01

The expenditures for incidental expenses of the library for the year ending December 31, 1884, the items of which will be found at length in the annual report of the city, are as follows: —

Services of librarian	\$800 00
Services of assistant to librarian	294 50
Gas	297 96
Binding	97 33
Re-binding	151 76
Insurance	100 00
Fuel	500 44
Water	31 50
Printing	46 25
Newspapers	76 50
Incidentals	104 53
	<hr/>
	\$2,500 77

RECAPITULATION.

Balance Dec. 31, 1883	\$590 61
Appropriation for 1884	3,000 00
	<hr/>
	\$3,590 61
Paid trustees for purchase of books	\$1,000 00
Incidental expenses	2,500 77
Balance Dec. 31, 1884	89 84
	<hr/>
	\$3,590 61

Respectfully submitted.

N. P. HUNT,
Treasurer of Trustees of City Library.

December 31, 1884.

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

L. B. CLOUGH,

H. B. PUTNAM,

Committee on Accounts of City Library.

December 31, 1884.

I certify that I have examined the several items of receipts and expenditures embraced in the foregoing report of the treasurer of the city library, and find the same correctly cast and properly vouched.

N. P. KIDDER,

City Auditor.

LIBRARIAN'S REPORT.

Gentlemen of the Board of Trustees :—

I respectfully submit the annual report of the City Library, showing the work of the year ending December 31, 1884.

Whole number of volumes, Dec. 31, 1883 26,935
 Accessions during the year :—

By purchase	554	
Donated	287	
Periodicals bound	91	
		932

Whole number of volumes at present :—

Maps	16	
Pamphlets	1,884	
Bound volumes	25,967	
		27,867

Number of periodicals and papers regularly received	67
Number of days open to the public	306
Days open for delivery of books	306
Number of volumes in circulation during the year	50,914
Average per day	166.3
Largest number in any one day, March 1	445
Largest number in any one month, March	5,529

Number of books, magazines, etc., used in the library		5,848
Average per day		19.1
Number of guarantees received during the year		613
Whole number since new registration . . .		4,847
Number of cards used on deposit		12
Number of cards held for fines		8
Postals sent for books overdue		449
Number of books taken from the shelves unfit for use, including bound magazines . . .		65
Books replaced during the year		86
Number lost or injured and paid for		5
Not paid for		1
Number of volumes repaired at bindery . . .		491
Repaired and covered in the library		3,654
Books missing last year returned		2
Balance of fines on hand Dec. 31, 1883 . . .	\$55	07
Amount received from Jan. 1 to Dec. 31, 1884	90	56
		<hr/>
		\$145 63
Amount paid for express, stationery, and other incidental expenses	\$48	65
Paid N. P. Hunt, treasurer	55	07
		<hr/>
		\$103 72
		<hr/>
Balance of fines on hand Dec. 31, 1884	\$41	91
		<hr/>
Balance of cash on hand Dec. 31, 1883, for catalogues and supplements sold, and for lost or injured books and waste paper . . .	\$29	43

Amount received from Jan. 1 to Dec. 31, 1884:

For 4 new catalogues at 75 cents	\$3 00	
For 1 old catalogue at 35 cents	35	
For 32 supplements at 10 cents	3 20	
Six books, lost or injured	5 25	
		\$11 80
		<hr/>
		\$41 23
Paid N. P. Hunt, treasurer	29 43	
		<hr/>
		\$11 80
Balance received for fines	41 91	
		<hr/>
Total balance on hand		\$53 71

The work of the last year has been so uniform with the preceding one, little can be said additional. No special work has been done beyond the usual duties belonging to a library of steady growth, bringing from year to year increasing responsibilities, as well as increasing interest and desire to accomplish as far as possible the best results.

The accession of purchased books is somewhat larger than the last year, and the selections from time to time have met with general approbation. Ninety-nine volumes of the five hundred and fifty-four purchased, were from the "Dean fund," and comprise many valuable books in the different branches of the mechanic arts. The donations number about the same as last year, and many of them are valuable accessions. Our thanks are specially due to the honorable gentlemen who represent our state in congress, for the many favors received through their courtesy.

The number of periodicals and papers regularly received has been somewhat increased, not by purchase

(except "Harper's Young Folks"), but by donations, for which our sincere thanks are due.

The number of worn-out books withdrawn from circulation is about double that of last year, and the number repaired at the bindery much greater. A little more care on the part of the borrowers of books would save a great deal of trouble and expense, as it is not the *reading* of the books that injures them, but the careless handling, especially in turning down the leaves and pressing them open to the extent of breaking the thread of the binding, thereby making it necessary to send them to the bindery before being otherwise defaced.

The circulation of the year shows a decrease of about three thousand volumes, principally in the last six months. The excitement incident to a presidential election may reasonably be supposed to show its effect in the matter of reading, outside the topic of general interest, and may be one natural cause for the decrease.

The numbers show an increase of fifteen hundred books, periodicals, etc., used in the reading-room, with the usual proportion seeking information in the different branches of study.

At the close of the July examination there were three missing books. One has returned; one (being an old book) replaced; the remaining one (fiction), also an old book. At the present examination there are six volumes missing,—four fiction, one history, one periodical. There is little doubt but that they will yet come in. Five volumes have been lost or destroyed by persons holding them, and paid for. One is not yet paid for. One book missing in 1883 has returned.

The sale of catalogues the last year has been very light. Many are unwilling to pay the price for a catalogue not

containing books added the last six years, and others do not feel able to do so. There is a constant desire expressed for a new catalogue, as the supplement in its present form is very unsatisfactory to the public.

In closing the above report I can only add my usual testimony to the kind consideration of the board of trustees, and my appreciation, especially for the cheerful assistance given by the treasurer.

Respectfully submitted.

M. J. BUNCHER,

Librarian.

DONATIONS TO THE CITY LIBRARY.

FROM JANUARY 1 TO DECEMBER 31, 1884.

HON. H. W. BLAIR, M. C.

Medical and Surgical History of the War. Part 3,
Vol. 2. 1883. 4to.

HON. JAMES F. BRIGGS.

Official Record of the Union and Confederate Armies.
Vol. 10, Part 2; Vol. 11, Parts 1 and 2. 3 Vols.
8vo.

Report of the Commissioner of Education for the
year 1881. 8vo.

Message and Documents, 2d Session, 47th Congress,
1882-83. 8vo.

HON. AUSTIN F. PIKE, M. C.

Seven volumes Memorial Addresses, viz.: —

Life and Character of James A. Garfield, William
M. Lowe, Robert M. A. Hawk, Benjamin H. Hill,
Evarts W. Farr, Godlon S. Orth, and Michael P.
O'Connor. 8vo.

Speeches of Senators Sherman and Mahone on the
Alleged Election Outrages in Virginia and Mis-
sissippi. Pamphlets.

HON. A. B. THOMPSON, Secretary of the State of New
Hampshire.

Journal of the New Hampshire Senate and House
for the year 1883. 8vo.

Annual Reports of the State of New Hampshire for the year 1883. 8vo.

Laws of the State of New Hampshire passed at the June Session, 1883. 8vo. 3 Vols.

HON. CHARLES FRANCIS ADAMS, JR., Boston, Mass.

A College Fetich. An Address before the Harvard Chapter of the Fraternity of the Phi Beta Kappa.

By Charles Francis Adams, Jr. June, 1883. 8vo.

REV. G. T. RIDLON, Manchester,

History of the Ancient Ryedales and their Descendants in Normandy, Great Britain, Ireland, and America, from 860 to 1884. 8vo.

CHARLES W. TEMPLE, Manchester.

The Decorator and Furnisher. Vols. 1 and 2. October, 1882, September, 1883. Folio.

Business Directories for the years 1876, 1877, 1878, 1879, and 1884. 24vo.

New Hampshire Register and Farmers' Almanac, for the years 1882, 1883, and 1884. 24mo.

GEORGE L. HARRISON, LL. D., Philadelphia, Penn.

Legislation on Insanity, viz., Lunacy Laws in the United States, England, and other Countries. By George L. Harrison, LL. D. 1884. 8vo.

CHARLES E. SLOCUM, M. D., Syracuse, N. Y.

Short History of the Slocums, Slocumbs, and Slocombs of America. By Charles E. Slocum, M. D. 1883. 8vo.

CLARENCE M. TOLMAM.

The Epitome of '86. Lehigh University, Bethlehem, Penn. 8vo.

ALBERT P. CHARLES, Esq., Seymore, Ind.

Memorialia of the Class of '64 in Dartmouth College. Compiled by John C. Webster. 1884. 8vo.

G. A. GASKELL, author.

How to Write for the Press. 1884. 12mo.

CHARLES F. LIVINGSTON, Manchester.

The Springfield Republican for the year 1883. Folio.

Printer's Circular for the year 1883. Vol. 18.

Proceedings of the New Hampshire Press Association, 1881, 1882, and 1884. Pamphlets.

Brown's Type Setting and Distributing Machinery and Art of Printing. Pamphlet.

And other miscellaneous pamphlets.

S. C. GOULD, Manchester.

Notes and Queries. Vol. 2. 1884. 8vo.

Fifteen volumes miscellaneous books of early dates, and thirty-three pamphlets.

DR. R. J. P. GOODWIN, Manchester.

Circular No. 3. Surgical Cases in the United States Army from 1865 to 1871. 4to.

GEORGE C. GILMORE, Esq., Manchester.

Three copies of the Manual of the New Hampshire Senate from 1784 to 1885. 16mo.

A. J. NAY, Manchester.

Obituary Addresses on the Death of the Hon. Henry Clay and the Hon. William R. King. 2 Vols. 12mo.

J. A. WATSON, Esq., Secretary.

Annual Report of the State Board of Health of New Hampshire, April, 1884. 8vo.

J. W. FELLOWS, Esq., Manchester.

Biographical Sketch of the Class of 1858, Dartmouth College. Pamphlet.

THOMAS W. LANE, Chief Engineer, Manchester.

Reports of the Fire Department for the last six years. Six pamphlets.

JAMES L. CAMPBELL, Lowell, Mass.

Six volumes of the Union Democrat for the years 1851, 1852, 1853, 1854, 1855, and 1862, to complete the set from its first publication. Folio.

FROM THE SEVERAL PUBLISHERS.

The Universalist Quarterly, Boston, for the year 1884. T. B. Thayer, editor. 12mo.

The Dartmouth. Published by the college students, Hanover, N. H. For the year 1884. 4to.

The Illustrated Record, Vol. 1. Published by the Rev. W. A. Loyne, Manchester, N. H. 1884. Folio.

La Justice. G. Tommancour, publisher, Manchester, N. H. For the year 1884. Folio.

The Weekly Budget. Kendall & Ladd, publishers, For the year 1883. Folio.

Good Health. A Journal of Hygiene. For the year 1884. Published at Oakland, Cal. 8vo.

The Signs of the Times. Published by the International Tract Society, Oakland, Cal. For the year 1884. Folio.

HISTORICAL ASSOCIATION, Lowell, Mass.

“Contributions of the Old Residents.” No. 1, Vol. 3. September, 1884. Pamphlet.

PROF. WATERHOUSE, St. Louis, Mo.

Resources of Missouri. By Prof. Waterhouse.

Advantages of Educated Labor. By Prof. Waterhouse.

Jute Culture and the Importance of the Industry. Three pamphlets.

M. P. HALL, Esq., Manchester.

Map of New Hampshire. Published in 1836 by J. R. Goodno, Boston.

WOMAN'S TEMPERANCE UNION, Manchester.

The Medical Temperance Journal for the year 1884.
12mo.

Tenth Annual Session of the Woman's Christian
Temperance Union of New Hampshire. 1883.
Pamphlet.

SHAKER VILLAGE, Canterbury.

The "Manifesto" for the year 1884. Published by
the "United Societies." 12mo.

WILLIAM H. STINSON, Esq., Dunbarton.

Journal of Proceedings of the New Hampshire State
Grange, December 18, 19, and 20, 1883. Pamph-
let.

ALBERT A. POPE, Esq., Boston, Mass.

What! and Why! Some Common Questions An-
swered. 1884. 16mo.

BOSTONIAN SOCIETY, Boston, Mass.

Proceedings of the Society at the annual meeting,
January 8, 1884. Pamphlet.

J. C. GILSON, Esq., Superintendent.

Thirteenth Annual Report of the Public Schools of
the City of Oakland, Cal., for the year 1883.
Pamphlet.

UNKNOWN.

Annual Report of Superintendent of Public Instruc-
tion in the State of New Hampshire, June 1884.
12mo.

Fifty-fourth Annual Report of the Board of Educa-
tion, Cincinnati, O. 1883-84. 8vo.

Wages and Tariffs. An Address before the Brook-
lyn Revenue Reform Club, by E. J. Donnell, May,
1884. Pamphlet.

Address of Carl Schurz at Brooklyn, N. Y., August
5, 1884. Pamphlet.

First Annual Report of the Denver Chamber of Commerce and Board of Trade. 1883. Pamphlet.

Suggestions on Library Architecture, American and Foreign. By J. L. Smithmeyer, Washington, D. C. Pamphlet.

SAWYER FREE LIBRARY, Gloucester, Mass.

Outline of History, and Dedication of the Library, July 1, 1884. 8vo.

FROM THE SEVERAL LIBRARIANS OR BOARDS OF TRUSTEES.

Astor Library, N. Y., Thirty-fifth Annual Report, for the year 1883. Pamphlet.

Boston Public Library, Thirty-second Annual Report, year ending April, 1884. Pamphlet. Bulletins Nos. 1, 2, and 3. Vol. 5. 1884.

Brooklyn, N. Y., Public Library, Twenty-sixth Annual Report, 1883-84. Pamphlet.

Brookline, Mass., Public Library, Twenty-seventh Annual Report. 1883. Pamphlet.

Bigelow Free Library, Clinton, Mass., Tenth Annual Report. 1883. Pamphlet.

Cambridge, Mass., Public Library, Report for the year 1883. Pamphlet.

Cincinnati O., Public Library, Annual Reports for years ending June 30, 1882 and 1884. Pamphlets.

Cleveland, O., Public Library, Sixteenth Annual Report, year ending August 31, 1884. Pamphlet.

Chicago, Ill., Twelfth Annual Report of Public Library, year ending June, 1884. Pamphlet.

Fall River, Mass., Public Library, Reports for the years 1873, 1881, and 1883. Three pamphlets.

Friends' Free Library, Germantown, Phil., Annual Report for 1883. Pamphlet.

Handsworth Public Library, Handsworth, County of Stafford, England, Report of Committee, year ending March, 1884. Pamphlet.

- Lowell, Mass., City Library, Report for the year 1883. Pamphlet.
- Lawrence, Mass., Free Library, Reports for the years 1882 and 1883. Two pamphlets.
- Mercantile Library Association, N. Y., Sixty-third Annual Report. 1883-84. Pamphlet.
- Mercantile Library Association, San Francisco, Cal., Thirty-first Annual Report. 1883. Pamphlet.
- Manchester, England, Thirty-second Annual Report of the Public Free Libraries. 1883-84. Pamphlet.
- Melrose, Mass., Thirteenth Annual Report of the Public Library. 1883. Pamphlet.
- Newton, Mass., Free Library, Annual Report for the year 1883. Pamphlet.
- Nashua, N. H., Catalogue of City Library. 1884.
- Nesmith Free Library, Windham, N. H., Report for the year 1883. Pamphlet.
- Peabody Institute, Baltimore, Md., Seventeenth Annual Report, year ending June, 1884. Pamphlet.
- Peabody Institute, Peabody, Mass., Annual Report for the year 1883. Pamphlet.
- Providence, R. I., Public Library, Sixth Annual Report. 1883. Pamphlet.
- Philadelphia Library Co.'s Bulletins, Nos. 12 and 13, January and July.
- Springfield, Mass., City Library Association, Annual Report for year ending May 5, 1884. Pamphlet.
- Swansea, Wales, Ninth Annual Report of the Public Library and Gallery of Art. 1882-83. Pamphlet.
- Worcester, Mass., Free Public Library, Twenty-fourth Annual Report. 1883. Pamphlet.
- Woburn, Mass., Free Public Library, Seventh Annual Report for the year ending March 1, 1884. Pamphlet.

TREASURY DEPARTMENT, WASHINGTON, D. C.

Report of the Superintendent of the United States Coast and Geodetic Survey for the years 1882 and 1883. 2 Vols. 4to.

Report of the Finance for the year 1883. 8vo.

Report of the Operations of the United States Life-saving Service for the year ending June 30, 1883. 8vo.

INTERIOR DEPARTMENT.

Official Gazette of the United States Patent Office, for the year 1884. 8vo.

Alphabetical List of Patentees. 1883-84. 8vo.

Annual Report of the Commissioner of Patents for the year 1883. 4to.

Tenth Census of the United States. Vols. 1, 2, and 3. 4to.

WAR DEPARTMENT.

Alphabetical List of Additions made to the War Department Library from June, 1882.

BUREAU OF EDUCATION.

Circulars of Information: No. 5, 1873; Nos. 3 and 4, 1883; Nos. 1, 2, 3, 4, and 5, 1884. Pamphlets.

Reports of the Commissioner for the years 1880, 1882, 1883. Three volumes. 8vo.

Preliminary Circular respecting the Exhibition of Education at the World's Industrial and Cotton Centennial Exposition, December 1, 1884.

Education in Italy and Greece. Pamphlet.

UNITED STATES CONGRESS.

Forty-five volumes of Public Documents of the Forty-sixth and Forty-seventh Congresses.

Forty-seven volumes of the Forty-sixth, Forty-seventh, and Forty-eighth Congresses, including the Tenth Census of the United States. Six volumes. 4to.

REPORT
OF THE
CITY ENGINEER.

REPORT

OF THE

CITY ENGINEER.

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

SIRS, — In accordance with the usual custom, I herewith present the following as a correct report of the work in the City Engineer's office, and the several highway districts of the city, for the year ending December 31, 1884.

Expenses of the office for the year 1884 : —

Salary of city engineer and assistants	\$2,490 56	
Supplies for office	101 51	
Repairs of instruments	60 52	
Teams and car-fares to June 1	54 18	
Teams after June 1 (horse-shoeing)	8 25	
Stakes	15 00	
Postage on account of bridge	86	
Cleaning office	9 38	
Gas	8 50	
Total	\$2,748 76	

Expenses for soldiers' monument :

Repairs and covering	\$14 45	
Water	50 00	
Gas	24 80	
Total	\$89 25	

The slight increase in expense is due to the necessity of having an extra rodman in the early part of the season to meet the demands for lines and grades for parties about to build, and to do the work required in the various cemeteries.

The amount of work done in the office during the year is as follows:—

Number of orders for surveys, street lines and grades	731
Number of orders for sewer and paving grades	141
	<hr/>
Total number of orders	872

Levels for profiles for establishing grades, 24,855 feet, equal to 4.71 miles.

These profiles have three lines of levels through the street, making a total distance actually leveled of	74,565 feet
Levels for sewer and other center profiles	26,871 “
Profiles of avenues, Pine Grove Cemetery	1,586 “
Profiles of avenues, Valley Cemetery	750 “
Profiles of walks in Park square	1,450 “
	<hr/>
Total	105,222 feet
Equal to 19.93 miles.	

Surveys for streets and street lines	88,250 feet
Surveys in Pine Grove Cemetery	7,015 “
Surveys in Valley Cemetery	5,960 “
	<hr/>
Total surveys	101,225 feet
Equal to 19.2 miles.	

Street lines marked on ground	69,845 feet
Lines of lots and avenues, Pine Grove Cemetery	15,395 “

Lines of lots and avenues, Valley Cemetery	3,220 feet
<hr/>	
Total length of lines marked on ground	88,460 feet
Equal to 16 3-4 miles.	
Grades set for sidewalks	36,226 feet
Grades set for macadamizing	1,558 "
Grades set for grading streets	9,241 "
Grades set for gutters	8,585 "
Grades set for Park-square grading	1,240 "
Grades set for Park-square curb	1,600 "
Grades for avenues, Pine Grove Cemetery	4,289 "
Grades of lots, Pine Grove Cemetery	3,375 "
Grades of avenues, Valley Cemetery	611 "
Grades of lots, Valley Cemetery	1,615 "
<hr/>	
Total length of grade set	68,340 feet
Equal to 12.94 miles.	

Batters set for stone-work of the following buildings :

J. C. Hoyt's house, corner Concord and Olive streets.

Police station, set twice.

Addition to Main-street school-house, set twice.

Granite-street bridge at the canal, both abutments.

Parker-street bridge, both abutments set twice.

City farm, batters for silo.

Derry-road bridge over Cohas brook, both abutments.

Mammoth-road bridge over Cohas brook, both abutments; also measurements and estimates for changes proposed in the Excelsior Hook and Ladder room.

Lots laid out in Pine Grove Cemetery, 86.

Lots laid out in Valley Cemetery, 17.

The above are all a relocation of old lots, and require more work than new lots would.

New lots laid out in Amoskeag Cemetery, 96.

Lots relaid on account of change of plan, 34.

Street numbers assigned and put on, 539.

This includes that part of the west side of the river that was built previous to March 1, 1884. I find that many of the old painted numbers are peeling, and have been obliged to replace many of them.

PLANS AND PROFILES MADE FOR SIDEWALK GRADES.

Cedar street, Chestnut to Pine street.

Central street, Franklin to Canal street.

Chestnut street, Park to Auburn street.

High street, Wilson road to Ashland street.

Main street, McGregor street to McGregor street. 2 plans.

McGregor street, Main street to Main street. 2 plans.

Myrtle street, Linden street to Chester old line.

Old Derry road, near Cohas brook.

Orange street, Elm street to Chestnut street.

Orange street, Linden street to Chester old line.

Park street, Chestnut street to Pine street.

Parker street, Main street to railroad bridge.

Pine street, Park street to Young road. 3 plans.

Shasta street, Elm street to River road.

Webster street, Union street to Smyth road. 5 plans.

Merrimack-square walk, from northwest corner to southeast corner.

Total sidewalk plans and profiles, 24.

SEWER PLANS AND PROFILES.

Amherst street, Ashland street to Hall street.

Beech east back street, Harrison to Brook street.

Beech east back street, Brook street to Gore street.

Bridge street, Merrimack river to McGregor street.

Bridge street, Hall street to Ashland street.

- Concord north back street, Pine street to Union street.
 Dover street, Granite street to Douglas street.
 Elm east back street, Cedar street to Spruce north back street.
 Gore street, Union east back street to Beech street.
 Gore street, Beech street to Oak street.
 Main street, Putnam street to Amory street.
 Pearl street, Ash street to Beech street.
 Pearl street, Maple street to Nashua street.
 Pine street, Harrison street to Brook street.
 McGregor street, Bridge street to Wayne street.
 Park south back and Chestnut west back streets, from Elm east back street to Spruce street.
 Spruce south back street, Maple street to Lincoln street.
 Walnut east back street, Gore street to Brook street.
 Wayne street, McGregor street to Beauport east back street.
 Winter street, Main street to Parker street.
 Total sewer plans and profiles, 20.

PROFILES WITHOUT PLANS.

- Greenbush avenue, Pine Grove Cemetery.
 Highland avenue, Pine Grove Cemetery.
 Avenue in Valley Cemetery.
 Boynton road, A street to Bedford line.
 Walks in Park square. 3 profiles.
 Total single profiles, 7.

MISCELLANEOUS PLANS.

- Parker-street bridge abutments.
 Granite-street bridge, plan and profile.
 Design for a stone arch and gateway at Pine Grove Cemetery.
 Lots in Pine Grove Cemetery south of Auburn path.

Part of Pine Grove Cemetery south of Locust and east of Willow avenues.

Land of E. D. L. Parker, copied from J. B. Sawyer's plan.

Land of E. W. Brigham, copied from J. B. Sawyer's plan.

Jewett street, Young road to Cilley road.

Amoskeag Cemetery, finished plan.

Amoskeag Cemetery as changed by trustees.

Amoskeag Company's line, Manchester to Park street.
3 plans.

Design for bridge over Colias brook.

Designs for Tremont-square fountain basin. 3 plans.

Tremont square, showing walks.

Main-street school-house addition, foundation plan.

Valley Cemetery, designs for receiving vault.

Old Hook and Ladder house, proposed changes. 2 plans.

Sketch for a new Hook and Ladder house.

Merrimack square, design for a stone bridge.

Boynton road, A street to Bedford line.

North River road, from Mr. Wheeler's to Mr. Dodge's.

James Hall road, Hanover street to Park street.

Union street, Hooksett road to Clarke street.

Pearl street, Linden street to Mammoth road.

John Hall farm; north of Bridge, east of Ashland street (copy).

Pine Grove Cemetery, southern section.

Winter street as located by J. B. Sawyer (copy).

Part of Wilson Hill bounded by Hanover, Beacon, Park, and Wilson streets.

This last is a finished copy of the working plan made last year, and is in itself equivalent to 11 plans.

NUMBERING PLANS.

McGregor street, Main to Main street.
 Pine street, Pennacook street to Webster street.
 Nashua street, Bridge street to Pearl street.
 Orange street, Oak street to Ashland street.
 Milton street, Park street to Concord street.
 Ash street, Amherst street to Gore street.

OLD PLANS COPIED.

Kennard road, Smyth road to Mammoth road.
 Bridge street, Maple to Russell street.
 Ash east back street extension to Lowell street.
 District No. 1 school lot.

WORKING PLANS NOT KEPT IN OFFICE.

Amoskeag Company's line, Manchester to Park street.
 3 tracings.
 Auburn street, profile of both sides.
 Amoskeag Cemetery, proposed changes.
 Vine street, paving grades.
 Main-street school-house additions, for contractors.
 Granite-street bridge, plan and profile. 8 copies for
 contractors.
 Parker-street proposed bridge, for contractors.
 Merrimack square, plan and profile of proposed walk,
 for contractors.
 Cohas-brook bridge. 3 copies for contractors.
 Tremont-square fountain basin, for contractors.
 Profile of Greenbush avenue, Pine Grove Cemetery,
 for superintendent.
 Profile of Highland avenue, Pine Grove Cemetery, for
 superintendent.
 Section south of Locust and east of Willow avenues,
 Pine Grove Cemetery, for superintendent.

Pine Grove Cemetery, flower-beds at gate.

Pine Grove Cemetery, tracing of new gateway, for committee.

Pine Grove Cemetery, copy of maps, for committee.

Pine Grove Cemetery, plan of new purchase, for committee.

Pine Grove Cemetery, copy of map showing water pipe.

Orange street, Elm to Chestnut street, for city solicitor.

Old Bakersville school lot, for Boshier & Co.

Amoskeag Cemetery, for superintendent.

John Hall farm, north of Bridge, east of Ashland street (tracing).

Map of Valley Cemetery, showing water pipe.

Total miscellaneous plans, 77.

Total plans made, 128.

I have also made several small plans of cemetery lots for parties desiring to put in curb; also a few small sketches for the treasurer of the board of trustees. Twelve old plans have been mounted on cloth for their better preservation.

The two largest pieces of work done in the office this year are the map of Valley Cemetery, and the map of Wilson Hill section, south of Hanover street and east of Wilson street.

Plans of all new highways laid out up to December 31, 1883, have been made in the city clerk's book of records.

All sewers laid up to the same date have been drawn in the city clerk's book of sewers, and on the sewer map in the office. An accurate plan of the entire new section west of the Merrimack river has been platted into the city clerk's sewer-book, and on the sewer map in this office.

Surveys have also been made for about forty (40) plans and profiles of new highways and sewers. These plans will be made up during the winter.

The index and catalogue of plans have been brought up to April 1, 1884, and the indices to the level-books and transit-books to January 1, 1884. The back office work remains the same as last year, showing that this year's work has been kept up clean, or practically so. If there are no calls for large plans this winter, as was the case last winter, a large portion of this back work can be finished.

GRADES ESTABLISHED.

The following grades have been established during the year: —

Amory street, McGregor to Beauport street	950 feet.
Beauport street, Amory to Wayne street	650 "
Cedar street, Chestnut to Pine street	310 "
Central street, Franklin to Canal street	560 "
Chestnut street, Park to Auburn street	761 "
High street, Ashland street to Wilson road	460 "
Laurel street, Chestnut to Pine street	312 "
Main street, McGregor to McGregor street	1,800 "
McGregor street, Main to Main street	2,120 "
Orange street, Elm to Chestnut street	565 "
Park street, Chestnut to Pine street	310 "
Parker street, Winter to R. R. bridge	288 "
Pine street, Young road to Park street	2,698 "
Shasta street, Elm street to River road	632 "
Wayne street, McGregor to Beauport street	721 "
Webster street, Union street to Smyth road	4,568 "
Total	<u>17,705 feet.</u>

Equal to 3.35 miles.

The following highways have been laid out this year :

Beauport street, Wayne to Sullivan street	50 feet wide.
Marion street, McGregor to Main street	50 " "
Patten street, N. W. R. R. to Squog river	50 " "

Pearl street, Linden to old Bridge street	. 50 feet wide.
Putnam street, Main to Beauport street	. 50 " "
River road, north, R. Wheeler's to M.	
Dodge's . . . . .	. 50 " "
Union street, Hooksett road to Clarke street	50 " "

The attention of the city government was called to certain short pieces of highways that are not public, never having been laid out in a legal manner, although the city takes all care of them. The board of mayor and aldermen visited the various localities, and voted to lay them out; but, as no hearing had been called, and no notice posted, the laying out could not be legally recorded. I would suggest that this matter be attended to at once, as most of these lie between sections of the same streets that are already laid out. For a complete list see my report of last year.

NEW HIGHWAYS BUILT.

- Amory street, Main to Beauport street.
- Ash street, Concord to Lowell street.
- Ash street, Prospect to Harrison street.
- *Auburn street, Beech to Maple street, partly built.
- Beauport street, Wayne to Sullivan street.
- Fourth street, Walker to Railroad.
- Gore street, Union to Ashland street, partly built.
- Pine street, Hooksett road to Webster street.
- Putnam street, Main to Beauport street.
- Ray street, Webster street to Ray brook.
- Salmon street, Elm to Chestnut street.
- Shasta street, Elm street to River road, partly built.
- Wayne street, Main to Beauport street.
- Webster street, Union street to Hooksett road.
- Nutt road, additional widening and grading.

*This is not a public highway.

SEWERS BUILT.

STREET.	LOCATION.	Material.	Size in inches.	Length in feet.
Auburn	Between Beech and Maple	Akron.	15	60
Mast road	Near Baldwin's	"	15	190
Amherst.	Ashland, easterly	"	12	328
Amory	McGregor street to Main street.	"	12	440
Beech	Cedar street to Cedar south back st.	"	12	140
Cedar south back	West of Maple street	"	12	250
Central south back.	East of Wilson	"	12	227
Gore	East of Beech street	"	12	145
Hanover	East of Wilson street	"	12	423
Mast road	Near Baldwin's shop	"	12	40
McGregor	From Wayne street, south	"	12	278
Pine.	Harrison to Brook street	"	12	416
West	From Parker street north	"	12	173
West	From Douglas street north	"	12	294
Amherst.	Hall street to Belmont street	"	10	345
Amherst.	Near George Wilkins's	"	10	93
Arlington	Nashua street, easterly	"	10	99
Arlington.	Maple street, easterly	"	10	208
Ashland	Lowell street to High street.	"	10	309
Beanport	Wayne street to Amory street.	"	10	506
Beech east back	North of Harrison street.	"	10	217
Beech east back.	Gore street, southerly	"	10	101
Belmont	Amherst street to Lowell street	"	10	454
Chestnut west back	North of Cedar street.	"	10	91
High	Maple street to Jane street.	"	10	438
Jane	High street, southerly	"	10	300
Lincoln.	Hanover street, southerly	"	10	142
Lowell north back.	From Church street, easterly	"	10	80
Lowell north back.	From Birch street, easterly	"	10	129
Lowell	West of Ashland street	"	10	222
Main	Amory street to Monmouth street.	"	10	312
Maple	South of Cedar street	"	10	140
Orange	Russell street to Oak street.	"	10	344
Pearl.	Maple street, easterly	"	10	403
Pearl	From Ash street, westerly	"	10	173
Pine	From Prospect street, south	"	10	123
South	High street to Lowell street.	"	10	242
Union east back street.	Pennacook street to Sagamore st.	"	10	262
City Farm . . . . .	. . . . .	"	8	200
Pine	Near Prospect street	"	8	52
Maple	Near Cedar street.	"	8	65
				9,454

Total 15-inch Akron pipe	250 feet
Total 12-inch Akron pipe	3,154 "
Total 10-inch Akron pipe	5,733 "
Total 8-inch Akron pipe	317 "

Total length of sewers for the year 9,454 feet
 Equal to 1.79 miles.

Number of catch-basins built, 74.

Number of manholes built, 6.

SEWERS ORDERED BUT NOT BUILT.

STREET.	LOCATION.	Material.	Size in inches.	Length in feet.
Main	Milford street to A street	Akron.	15	921
A	Main street to B street	"	12	808
Amory.....	Main street to Beauport street.....	"	10	401
Bridge.....	Maple street to Nashua street.....	"	10	400
Merrimack.....	Present terminus east to Belmont st	"	10	500
Nashua	Present terminus north to Pearl st..	"	10	80
Pearl.....	Nashua street to Oak street.....	"	10	160
				3,270

Of the above, the Bridge-street sewer has been superseded by the Arlington-street sewer from Maple east, and the Nashua and Pearl street sewers by the Pearl-street sewer east of Maple street.

The subject of sewers has been frequently discussed in these reports, and but little more can be said. Each year demonstrates more fully the mistakes previously made by laying the sewer so near the surface. Experience proves that in every case where a sewer has been put in less than eight feet in depth that it is difficult and sometimes impossible to drain buildings that have introduced all modern improvements. Until recently it was the custom to drain sinks only, into the sewers, without any attempt to drain below the cellars, so the shallow sewers answered every purpose. With the introduction of water came the necessity of draining below the cellar bottom. A few years ago it was a rare occurrence to find a cellar of more than six feet in depth; but with the more general introduction of furnaces, steam-boilers, etc., the tendency is towards deeper cellars, and at the present time more new ones are built eight feet in depth than there are six; and

as a natural consequence sewers need to be correspondingly deeper. This year the minimum depth has been eight feet. The grades of two sewers were changed by the superintendent without my consent, and in consequence of this change each will have to be relaid when the sewers are extended, as they probably will be next year.

There are three sewers that should be built right away, and a beginning should be made on them the coming year. The first is the brick main through Bridge street, commencing at Elm street, and designed to take all sewage from Bridge street north to Salmon street. The section between Salmon street and the south line of Webster street is designed to be drained into Salmon street, then through Elm east back street and Sagamore street to Elm street, thence through Elm and Bridge to the river.

The second sewer needed is to drain the section north of Webster street. The most direct way to drain this section is by means of a main sewer through Webster street to the river; but this is impossible at the present time, because the Amoskeag Company have extended their pipes from their pumping station to a point above the dam. A large proportion of the mills are dependent upon this supply for drinking and sanitary purposes; and at times a large part of the northern section of the city is dependent upon the company's generosity for its water supply. The company very naturally object to fouling the river with sewage at this point.

Another way would be to commence at Bridge street and relay the Elm-street sewer larger and at a greater depth. The present sewer, as now laid to Salmon street, is not large enough. This would be a very expensive work, but would have the advantage of keeping within a public highway.

Another plan, and the one which the committee on

sewers voted to recommend, is to commence at Canal and Bridge streets, lay a three-foot brick sewer through Canal street and a part of the River road to Webster street, then a two-foot brick sewer through Webster street to Union street. Canal street is a private way, belonging to the Amoskeag Company: but the agent, Col. Livermore, has given the city permission to use the street for this purpose if they desire. Should this sewer be built, the Elm street sewer can be relieved from any sudden rush of storm water by means of overflow sewers connecting with the larger one through the cross streets: and at the same time these overflow sewers will serve to drain the buildings that may be erected upon these streets. At the time the Bridge-street sewer was built my estimate for the size of that portion on the flat between Canal street and the river necessary to drain as far north as Webster street only, was four feet diameter: but one member of the committee ordered the iron pipe cast for the canals three and a half feet diameter, consequently all the rest of the sewer had to be reduced a corresponding six inches. Turning this extra territory into it may at some future time cause a little trouble, but I do not anticipate anything serious.

The third sewer, and the only one that has been ordered by the city government, is through Main street from Milford to A street, and through A to B street. This sewer is very much needed, as the citizens have no means of drainage: the surface water of the streets flows over private land, and has in times past caused considerable damage. This work will necessitate the relaying of about 250 feet of the present Main-street sewer, and will be quite expensive as this portion is through the ledge.

MANHOLES.

In highway district No. 2 no manholes have been built this year. This is a very serious mistake. Every sewer

should at least commence and end with a manhole; and if the distance is great, or there are numerous changes of grade, intermediate ones should be put in; but as I had no authority to compel the superintendent to do this work, none of it has been done. In District No. 10 every sewer has been begun and ended with a manhole, and as many more have been built as was necessary.

Many people who have no knowledge of sewerage think a manhole is a useless expense, but I have known the city to expend three or four times the value of a manhole in digging at random to find where the sewer was obstructed, saying nothing about the damage to the streets which these excavations cause to the sewer by being frequently broken into to see if they were anywhere near the obstruction. That section west of McGregor bridge has been well supplied with manholes, and I am willing to guarantee that those streets will never have to be dug up to find or remove any sewer obstruction, unless the pipe itself should be actually crushed in, and even then the break can be so accurately located that one excavation will suffice to make the repairs, instead of the five or six trial pits such as I have seen dug in other places before the break could be found. It would be a saving in future expense if the city would set aside a portion of the sewer appropriation for the purpose of building manholes at every point where one sewer connects with another: cover these manholes with perforated covers, and the carrying capacity of the present sewers would be increased nearly one-half. When there is but little water running in the pipes, the rest of the space is of course filled with air; if there is a sudden rush of surface water into the sewers on account of a heavy shower, the air will be compressed in the pipe until it can be slowly forced out at the outlet; in cases where several sewers connect with a main, cham-

bers of compressed air will be formed, and the flow of sewage retarded until this can be forced out; as the air in the small house-drains is more easily forced than in the larger pipe, the sewage naturally flows back into the houses until the main channel is cleared. With perforated covered manholes this air would soon be expelled, and the sewer free to perform the service required.

CATCH-BASINS.

Of these, all that I need to add to what I have already said, is to suggest that they be made deeper below the outlet, as sand is frequently washed into them to such an extent as to completely cover the outlet.

COMMONS.

The grading of Park square has been completed; a stone curb placed around it about 1,600 feet in length, 8 inches wide by 18 inches in depth, showing 15 inches on the outside and 12 inches on the inside. Concrete walks have been made on the two diagonals, and through the middle in the line of Spruce street. The walks all around the outside have been graded, but not paved.

On Tremont square a fountain-basin has been commenced, but about that time we had such cold nights that the cement would freeze, then crumble, and so spoil the whole thing; it was therefore deemed advisable to suspend operations. The basin is designed to be circular, of twenty-two feet inside diameter; the border to be of granite basins, to be filled with plants, making a rustic flowering border, which will be much handsomer, and cost less, than the usual style of cut curb.

CEMETERIES.

Early in the year the committee on commons and cemeteries instructed the city solicitor and myself to make an

investigation of the laws and methods of government of cemeteries in other cities, and report to them for the purpose of aiding them in framing laws for our own cemeteries. The work was attended to, and for a more complete account see the report of the city solicitor.

AMOSKEAG CEMETERY.

Trustees, Councilman Henry S. Perry, chairman, Hon. James A. Weston, and John E. Stearns.

Ninety-six lots have been staked out in this cemetery. The original plan was designed to have two gateways, but the trustees afterwards decided that one was sufficient. This change made it necessary to restake thirty-four lots, substituting an avenue for a walk on part of the east side. The grounds should now be graded, and the avenues and walks turnpiked and graveled. All the grading that the lots require can be done with loam. The land has no soil, and in a dry season is merely a sandy plain. It would be advisable to put on two or three inches of gravel or clay, roll it well, then put on from six to eight inches of loam. But one lot has been sold yet, so far as I know, although I am informed that there are several parties desiring lots there if the grounds were only fixed up and put into the market. The city water already reaches to within 300 or 400 feet of the cemetery. This should be extended into the grounds without delay.

VALLEY CEMETERY.

Trustees, Alderman C. H. G. Foss, chairman, Councilman A. A. Ainsworth, Messrs. George C. Gilmore, B. W. Hill, and D. O. Furnald.

A tracing of the map of this cemetery has been made for the superintendent to hang in his office, and all water pipes have been shown on this tracing. The water

supply has been extended through the southern portion of the cemetery. For this purpose 906 feet of two-inch pipe, 220 feet of one-inch, and 13 feet of one-half inch pipe, making a total of 1,139 feet of tar-coated pipe used. A portion of Chestnut avenue has been cut down two feet, and a portion of Willow avenue graded and filled. Chestnut avenue had been gradually filled up until the curbing of one lot was nearly buried. Willow avenue was a low place, where the water stood in a wet season with no means of drainage. These were the reasons for the change of grade. The sharp knoll on Manchester avenue, near the Odd Fellows' lot has also been cut down.

Lines and grades have been given for seventeen old lots that were to be improved by the owners. A new location of Gov. Smyth's lot has been made, so that the lines conform more nearly to the proper lines of the avenues, and the grades fixed for the lot. The public ground at the south end of the cemetery, and a portion of the public ground at the Auburn-street entrance of the cemetery, have been graded. It is designed to bring this into the lawn form.

There is a section on each side of Public avenue, between Pine-street entrance and the office, that could be very easily graded into a lawn, which would greatly improve the appearance of the grounds, as many of the lots are neglected at present and in bad shape, the owners being dead or moved away. I would suggest that the board of trustees consider this matter the coming season.

Plans and estimates have been made for a new receiving vault. The present vault is not large enough to accommodate the increased demand made upon it during the winter months, and has no conveniences. If one of the first boxes put in is wanted, all the others have to be

taken down and moved before this can be obtained. The new plan is for a room 44 by 24 feet, inside dimensions, with arched roof, all to be made of brick. The vault is designed to accommodate 112 bodies arranged in four tiers. The interior is divided into compartments by an iron-lattice frame-work. Each compartment is 7 feet long by 20 inches high by 30 inches wide. By this arrangement any body can be removed without disturbing any other. Estimates were made for one vault to be entirely underground, and another to be in the form of a brick building, entirely above ground. The ground plan and interior design made would answer for either: but the brick building would of necessity be higher posted, so that eight tiers, or 224 bodies, could be accommodated.

PINE GROVE CEMETERY.

Trustees, Alderman J. F. Clough, chairman, Councilman S. P. Cannon, Messrs. H. H. Huse, G. P. Whitman, and J. L. Stevens.

A large amount of work has been done at the cemetery this year. Early in the season an order was given to make an accurate survey of the cemetery, as there are four plans in existence, no two of which are alike, and not one like the ground. This work was commenced, but there were so many calls for lot lines and grades, in accordance with the orders of the trustees that no lot should be improved without first getting the true lines and grades, that but little progress was made. The board of aldermen having at this time ordered that all such work should be charged to the cemetery appropriation, it was deemed advisable to suspend operations for this year. This work should be continued, an accurate plan made, then certain sections that are now apparently waste land could be divided up into lots and sold. Then

after these spaces are filled out there should be an entire renumbering of the lots, as was suggested in one of my previous reports, so arranged that the highest number would show the exact number of lots laid out.

Water Supply. — The first work of the board of trustees was to get the city water into the cemetery. This was done by the Water Company extending their main from Elm street through Baker street and Calif road to where Elmwood avenue extended would strike the Calif road. Within the cemetery the service consists of 3,924 feet of 3-inch, and 4,226 feet of 2-inch, tar-lined pipe, making in all 8,150 feet of piping. There were also set 75 hydrants, and all the old drinking fountains were connected. The hydrants could have been arranged in a much better manner in that sandy soil by having a small cast-iron box set over the end of the pipe, with a cast-iron cover. This would serve to keep all sand, dust, and grit out of the threads and valves; also at the same time add very much to the appearance.

Drainage. — A system of blind drainage has been established by the building of five catch-basins in the lowest places. These basins were first made eight feet deep and four feet in diameter, then filled in five feet deep with loose cobble-stone; above this is built a brick basin two feet square inside and three feet deep, covered with a cast-iron grate with two-inch square meshes. These are built as an experiment, and worked well with the heavy thunder showers in the autumn; it remains to be seen whether they will answer the purpose for a winter thaw, although there is no doubt but that they will in a great measure prevent the water from covering so many lots as in the past. This was not an original idea, but was borrowed from Forest Hill Cemetery. Should these prove successful, others ought to be built.

Avenues Graded. — Cypress avenue (formerly Green-

bush) has been graded by cutting the top of the hill near Garden path, and filling at the bottom, in order to carry the water to the new catch-basins. The greatest cut is twenty inches, and greatest fill, twelve inches. The surplus material was used where filling was necessary in low places in the cemetery. The grade has been established for the whole length of this avenue. Grade has also been established for the whole length of Oakland (formerly Highland) avenue. Stakes showing grade have been set from Spruce (formerly Evergreen) to Locust (formerly Linnet) avenue. Nearly all the other avenues have been graveled, and those joining the above partly graded to conform to the change in grade. Fir avenue has also been built.

Lawn Sections. — The following sections have been surveyed, the lots accurately located, and grades established for the purpose of converting them into lawns :

1st, bounded by Oakland, Pine, and Poplar avenues. This has been graded, and the lots, seventeen in number, have been relaid out. The average depth of fill was three feet, containing about 550 cubic yards.

2d, bounded by Cypress avenue, Fern, Wildey, and Acorn paths. On this the stakes have been set but no work done.

3d, bounded by Oakland and Locust avenues and Autumn path. This has been surveyed, but no grade stakes set. It has been partly filled.

4th, bounded by Cypress and Aspen avenues, St. John and Ash paths. On this section the grade has been set, but the lots have not been surveyed, and no work has been done.

5th, the low place east of St. John path, between Ash path and Magnolia avenue, has been filled, graveled, and loamed. There were no lots in this section, so that all I

have been required to do here was to give the lines of avenues and paths, and set grade. This fill varied from nothing to four feet, or an average of about three feet, requiring about 700 cubic yards.

6th, the section bounded by Cypress, Locust, and Fir avenues graveled and loamed about one foot in depth.

Work for Lot Owners. — Lines have been given for fifty-four old lots and grades set for forty-five old lots, where the owners desired to make improvements by curbing or turfing.

Additional Surveys. — The section south of Locust and east of Oakland avenue has been surveyed, and a portion staked out as a proposed new public ground. Three tiers of public lots have been staked out in the ground by the fence in the southeast corner. A lot has been laid out at the southwest corner of Locust and Chestnut avenues, which will average 58 feet by 88 feet, for the Swedish society. The section north of the entrance at the northwest corner of the cemetery has been partially surveyed. Fifteen plans have been made for the cemetery. (See list of plans.)

General Remarks. — The above is only a report of that part of the work with which I have been connected. The board of trustees will of course make a detailed report of all work. In accordance with the order of the trustees requiring all lot-owners to get the line and grade of their lots before doing any work, I have endeavored to straighten out the existing irregularities, care being taken to give every man his land according to his deed, and if it became necessary to give any lot a few inches of land in order to make a path of uniform width, or to take out an unsightly jog, I have not hesitated to do it. I believe it has not been necessary in any case to infringe upon a lot in order to shape a path. A great difficulty in this

cemetery is the variety of lot grades existing therein. Early in the season it was proposed to cross-section the entire cemetery and make a topographical map of the same. This should be done with the new portion, and the avenues and lots all laid on paper before anything else is done. With the old portion I think that a better plan would be to make a profile of all the avenues and the main paths, and the grades established thereon; then let the trustees specify at what height above these grades the lots shall be built. These heights would of course vary in different localities: those sections where the majority of lots are already built up into high mounds would necessarily be higher than some other sections where the lots are low. This suggestion of course only applies to such of the older portions of the cemetery where the owners object to lawns and desire curbs. In all new work this mound-building will of course be prohibited.

BRIDGES.

A new iron bridge has been built on Granite street over the canal, in place of the old one, for the purpose of removing the center truss. This bridge was built by the Berlin Iron Bridge Company, of East Berlin, Conn. It is 56 feet span on centers; one roadway 37 feet clear, and two walks each six feet wide; and is designed for a live load of 100 pounds per square foot. The depth of girder is 40 inches. Complete detail plans of the bridge are on file in this office. It was designed at first to relay the water-pipe on the south side of the roadway, and entirely free from the bridge; but the Water Company at the last moment refusing to do this, and the corporation refusing to allow any portion of the bridge to be below the water pipe, it became necessary to raise the entire bridge above the pipes. This made a change in the proposed

grade of two feet at the east end and one foot at the west end. The bridge and a portion of the highway each side have been concreted:

Parker-street Bridge. — Two trusses of the old Granite-street bridge were taken to the Parker-street crossing of the North Weare Railroad, and were erected there. As there was no sway bracing or any connection whatever between the trusses in the old bridge, except the floor timbers, it was deemed advisable to strengthen it by means of five plate girders twenty-four inches in depth. This bridge is 53 feet clear span, with a 22-foot roadway and two 7-foot walks. The principal expense of this bridge was the large amount of stone-work rendered necessary by reason of the state law requiring seventeen feet clear over the rails.

Derry-road Bridge. — The bridge over the Cohas brook on the old Derry road near the H. C. Joy place was found to be so badly decayed as to be unsafe. It was also built so low, and the channel of the brook so narrow, that at times of high water the bridge was submerged. Last spring the roadway was fifteen inches under water. A new three-panel truss bridge has been built of 32-foot clear span, and roadway twenty feet wide. These old abutments were logs, and projected into the stream, greatly interfering with the water-course. New stone abutments were built, the channel widened eight feet, the bridge raised three and one-half feet, and the road graded up. This will prevent the brook overflowing the highway in the spring.

Mammoth-road Bridge. — The bridge over Cohas brook, just south of the Joy place, and west of the Derry-road bridge above described, was also found to be badly decayed, and the abutments, which were of rough stone, were falling in. The same plan used for the Derry-road

bridge was used for this. The water channel, widened eight feet, but the grade of stone-work was not raised.

Amoskeag Bridge. — When the ice went out in the spring two large stones were carried away from the west pier. These have been replaced and anchored with iron straps.

Granite Bridge. — While replacing some broken plank on this bridge, it was found that the floor timbers were so badly decayed that they would not hold a spike. This bridge must be thoroughly examined in the spring, and will probably need extensive repairs.

McGregor Bridge. — This bridge has been thoroughly examined and carefully adjusted by the builders, this year, and the whole structure well painted.

Merrimack-square Bridge. — A design has been made for a stone arch bridge across Merrimack-square pond, the total length to be one hundred feet, divided into three spans, width ten feet clear, or twelve feet over all. I think such a bridge can be built cheaper than an iron one, and at the same time it would be more appropriate to the place, it being so near to the soldiers' monument, which is of granite.

WEATHER RECORD.

A record has been made three times a day of the thermometer readings, direction of the wind, and state of the weather. As this is a public record, a detailed statement is unnecessary.

UNION-STREET CULVERT.

The culvert built last year was found to be too small for the work required, and had to be rebuilt according to the original design, — an arch with ten feet clear span, — only changing this design from an arch of fifty feet in length with parapet walls to one one hundred and thirty feet in length without parapets.

HIGHWAY DISTRICTS.

There has been some confusion in regard to the boundaries of highway districts during the past year. The lines between districts Nos. 3 and 5, also between Nos. 3 and 7, are somewhat uncertain. Considerable work has been done by the surveyor of District No. 7 in District No. 3.

There are certain sections where a new division would be advisable. A small portion of Taylor street comes into the Bakersville district, besides nearly all of the Cilley road. In winter time the surveyor of No. 7 is obliged to break out some three-fourths of a mile in District No. 3, or else make back tracks and go a long roundabout journey to reach the next point in his district that needs plowing out. So much of Taylor street as is in District No. 3, and that portion of the Cilley road east of Taylor street, should be annexed to District No. 7.

District No. 6 controls all but a very few rods of the Dickey road, about one-half of the Webster road, and about one-half of Cohas avenue. The remaining portions are in District No. 9. For convenience in breaking out the roads during the winter, these should all be put into District No. 6. District No. 9 will then have more miles of roads than No. 6. The lines of all the highway districts should be definitely fixed, and bounds set on every road, which would effectually prevent any further mistakes; or, what is better still, to consolidate all into one district, as recommended in my last report.

HIGHWAYS IN GENERAL.

I find many of the highways in the outer districts are narrow and dangerous. On some of them it is impossible for two teams to pass; some on account of brush growing so close to the traveled track, and others on account of

the way they are turnpiked by inexperienced surveyors, digging deep ditches along the side of the road and piling the material in a ridge through the center. I have found places that ought to be good roads actually made dangerous from this cause alone.

There is also a deficiency in sign-boards and names of roads and streets. I find that the mile-posts need to be renumbered. There are mile-posts on nearly every highway leading out of the city, and the figures on many have been obliterated. The proper remedy for this would be to cut the figures upon the stone and then paint the cut. These three matters should receive the immediate attention of the incoming city government.

In Springfield, Mass., a road-builder like the one now owned by the city is used to scrape out the gutters during the winter. This could be profitably done here, as it would remove the snow from the gutters, and at the same time level it in the center of the street where it is needed.

SOLDIERS' MONUMENT.

In the spring, letters were received by Gov. Weston from Mr. Keller, the designer of the soldiers' monument, stating that by an oversight his name was not put upon the monument, although the bronze-workers' names were on, and asking to have his name cut on the plinth, and he would pay the bill. These letters were handed to me by Gov. Weston, and I referred them to the mayor and aldermen. No action has yet been taken in the matter. It is but just to Mr. Keller that his request should be granted, as it is the custom throughout the country to put the designer's name on the monuments.

TEAM.

In the spring I made the city an offer to furnish a team if they would keep it. This offer was not accepted until

June 3. I had the team one month previous to that date, used it every day for the city, for which they paid me \$32.00. The total cost for horse-hire and car-fares previous to that date, including the above, was \$54.18. From June 4 to December 31 the cost actually charged to the office is \$8.25, to which should be added the cost of keeping, estimated by the superintendent of streets to be \$1.25 per week, or \$37.50 to January 1. Had the teams been hired, as heretofore, the cost would have been \$315, making a saving to the city of \$269.25.

The following work has been done in the highway districts during the year : —

DISTRICT NO. 1.

C. E. QUIMBY, SURVEYOR.

No report.

DISTRICT NO. 2.

JAMES PATTEN, SUPERINTENDENT.

Block paving, Elm street, 380.2 yards. This is a narrow strip two feet wide, outside of the rails of the horse-railroad track north of Pennacook street. The city furnished the stone, and the company did the work.

COBBLE PAVING.

Cedar street, between Union and Beech	. 66.7 yds.
Bridge street, east of Russell street	. 733.3 "
Chestnut street, Prospect to Harrison street	73.3 "
Central street, Franklin to Canal street	. 374.0 "
Total cobble paving	. . . . . 1,247.3 yds.

MACADAMIZING.

Chestnut street, Prospect to Harrison street, 684.5 sq. yds

Central street, Franklin to Canal street	. 1,583.3 sq. yds.
Elm street (one-half), Salmon to North street	. . . . . 1,991.1 "
	<hr/>
Total macadamizing	. . . . . 4,258.9 sq. yds.

STREETS GRAVELED.

Central street, Chestnut street to Pine street	310 feet.
Cedar street, Pine street to Maple street	. 1,240 "
Spruce street, Beech street to Maple street	. 600 "
Central street, Beech street to Lincoln street	1,200 "
Merrimack street, Union street to Maple	. 1,140 "
Maple street, Park street to Hanover street	. 1,186 "
Amherst street, Ashland to Belmont street	. 920 "
Hall street, Manchester to Hanover street	. 220 "
Bridge street, Russell street to Hall street	. 1,220 "
Arlington street, Russell street to Maple street	. . . . . 680 "
Pearl street, Russell street to Maple street	. 700 "
Orange street, Russell street to Union street	1,800 "
Oak street, Pearl street to Myrtle street	. 531 "
	<hr/>
	11,747 feet

GRADED AND GRAVELED.

Spruce street, Pine street to Beech street	. 990 feet.
Manchester street, Beech street to Hall street	2,400 "
Linden street, Bridge street to Orange street	800 "
Orange street, Russell street to Linden street (new)	. . . . . 420 "
Beech street, Brook street to Gore street (new)	. . . . . 270 "
Ray street, Webster street to Ray brook	. 500 "
Appleton street, Chestnut street to Union street	. . . . . 776 "

Monroe street, Elm street, westerly	150 feet.
Salmon street, Elm street to Chestnut street	566 "
Pine street, Hooksett road to Webster street (new)	1,291 "
Ash street, Lowell street to Concord street (new)	270 "
Maple street, Lowell street to Concord street	270 "
	<hr/>
	8,703 feet.

GRADED BUT NOT GRAVELED.

Auburn street, Beech street to Maple street (new)	600 feet.
Auburn north back street, Beech street to Maple street	600 "
Webster street, Union street to Hooksett road (new)	600 "
	<hr/>
	1,800 feet.

Total, 22,250 feet, equal to 4.21 miles.

Some of the street grading has been heavy work, as is shown by the following figures, one cubic yard being equivalent to one load : —

Pine street, near Hooksett road	8,838 cu. yds.
Cedar street, between Pine and Beech, sidewalk	179 "
Auburn street, between Beech and Ma- ple streets	741 "
Auburn north back street, between Beech and Maple streets	170 "
Cedar street, between Beech and Maple streets	60 "
Chestnut street, at Ray brook	253 "
Monroe street, west of Elm street	250 "

Park-square walks, on outside	479 cu. yds.
Ash-street extension	1,000 "
Granite street	370 "
	<hr/>
Total	12,340 cu. yds.

In addition to the above, about one-half of Park square has been graded; also the high-school yard from Concord to Lowell street, twenty-one feet in width. The grading for concrete has taken two teams two-thirds of the season.

RETAINING WALLS.

Cedar street, west of Beech	40 perch.
Auburn street, between Beech and Maple streets	66 "
	<hr/>
Total	106 perch.

Coping on Maple street, 130 feet.

RAILING.

Railing set on Pine street	615 feet.
Maple and Lowell street	153 "
	<hr/>
Total	768 feet.

SEWERS AND DRAINS.

15-inch Akron pipe	60 feet.
12-inch Akron pipe	1,929 "
10-inch Akron pipe	4,822 "
8-inch Akron pipe	117 "
	<hr/>
	6,928 feet.

Equal to 1.31 miles. (See sewers.)

Not including eight-inch pipe used for catch-basin arms.

PIPE IN YARD.

30 feet of 24 inch.	550 feet of 10 inch.
105 feet of 15 inch.	450 feet of 8 inch.
1,875 feet of 12 inch.	
35 y branches 15'' x 8''	25 y branches 10'' x 8''.
75 y branches 12'' x 8''.	
New catch-basins, 57.	
Curb-stone set, 2,631 feet.	

CROSSINGS.

Stone, 4. Concrete, new, 42. Top-dressed, 13.

CONCRETE.

Crossings, new	1,369.10 sq. yds.
Crossings top-dressed	314.73 "
Sidewalks repaired	315.80 "
Lowell-street school	129.65 "
High school	581.71 "
Spring-street school	978.82 "
Franklin-street school	141.87 "
Battery building	313.40 "
Park square	1,439.00 "
Vine street	1,438.00 "
J. C. Hoyt's house	136.80 "
Police station	335.88 "
Granite street and bridge	1,707.70 "
Total	9,202.46 sq. yds.

The following work has been done by contract:—
 Chestnut street at Ray brook, retaining wall, 60 perch.
 Hanover street at Mr. Avery's, coping, 78 feet.

The ledge in the sidewalk of Bridge and Beech streets at northwest corner blasted out.

Union-street culvert, new stone	517 perch.
Old stone relaid	270 “

DISTRICT NO. 3.

EDWIN N. BAKER, SURVEYOR.

The Nutt road from Concord & Portsmouth Railroad to the end of the district was widened 18 feet for a distance of 4,000 feet, and partially graveled; a ditch dug on the east side 800 feet in length.

On the Calef road, the culvert near the hospital has been lengthened with 15-inch pipe, and a fill made 3 feet in depth by 150 feet in length. The whole road has been partially graveled.

Beech street, two wooden culverts have been replaced by 12-inch Akron pipe, blasted and removed all the large stones, partially graveled the whole length.

Young road has been partially graded.

River road has been carefully repaired.

Shasta street, partly graded.

The Calef road and Baker street were badly damaged by the laying of the water pipe. Both roads were repaired and rolled, but it will take time to settle them.

The brush has been cut on both sides of the roads for a width of eight feet from the sides of the traveled track, and nearly ten miles in length.

The sidewalk on Elm street in front of the school-house and C. D. Welch's house has been graded and concreted eight feet in width.

A concrete crossing across Shasta street.

The school-yard terraced and turfed.

All culverts and drains cleaned and repaired.

DISTRICT NO. 4.

R. N. WHITTEMORE, SURVEYOR.

Turnpiked and graveled one and one-half miles, using six hundred loads of gravel.

Built two new culverts and repaired one.

DISTRICT NO. 5.

WILLIAM W. DICKEY, SURVEYOR.

Graveled, 166 rods.

Turnpiked, 186 rods.

Road near John Willey's widened and filled 2 1-2 feet, 150 feet in length. Built retaining wall on north side, containing 25 perches of stone.

Harvey's-mill road graded and retaining wall built, containing 20 perches of stone.

Road near Fair Grounds widened to 50 feet, 36 rods in length.

Replanked one bridge, new, 22 feet by 32 feet.

Replanked one bridge, new, 9 feet by 18 feet.

Put up 150 feet of railing, and set 19 posts for the same.

Repaired railing on bridges across Cohas brook near P. Flanders's and Harvey's mill.

Laid 50 feet 15-inch pipe, and 100 feet of 6-inch pipe.

Lengthened two culverts 10 feet each, and one culvert 15 feet.

Built two new stone culverts and relaid two others.

Built two new plank culverts.

Cut three miles of bushes.

Raked out the stones three times.

And all other necessary repairs.

DISTRICT NO. 6.

DANIEL H. DICKEY, SURVEYOR.

Turnpiked, 158 rods.

Graveled, 559 rods.

Built one culvert 50 feet long, 18 inches square opening; also two culverts 16 feet long with 12 inches square opening. Cohas avenue was badly washed out by a heavy shower in the spring, making it necessary to put in 25 rods of cobble gutter, grade up the shoulder of the road, and pave it with cobble-stone. Near the pumping station a distance of 15 rods was widened 6 feet.

The Island Pond road, opposite Mr. Mallard's, was widened for a distance of 31 rods by building a stone wall in the gutter and filling the same 6 feet in width and 3 feet in depth, requiring 341 cubic yards of earth, and then graveled it.

Bushes cut, roads kept free from cobbles, and general repairs made where needed.

The Island Pond road and Lake Shore road are very narrow. The walls should be set back and the roads widened and straightened. By so doing a great expense can be saved in breaking out the drifts in winter; at the same time quite a large amount of gravel could be obtained. At present there is no gravel in the district, and all used has to be drawn from District No. 9, an average distance of about two miles, making a great addition to the cost of doing the work. The value of the gravel alone would more than pay the land damage.

DISTRICT NO. 7.

PETER O. WOODMAN, SURVEYOR.

GRAVELED.

Old Falls road	100 feet.
Spruce street, east of old Falls road	300 "

Taylor street, Massabesic street to Young road	1,700 feet.
Young road, Taylor street to Jewett street .	1,400 "
Jewett street, Young road to Cilley street .	1,430 "
Cilley road, from Jewett street, east . . .	600 "
Jewett street, near P. O. Woodman's . . .	300 "
	<hr/>
Total	5,830 feet.

Equal to 1.1 miles.

TURNPIKING.

Taylor street	400 feet.
Jewett street	1,000 "
	<hr/>
Total	1,400 feet.

GRADING.

Spruce street, total amount of filling . . .	30 cu. yds.
Massabesic street, total amount of filling .	50 "
Young road widened for 400 feet	50 "
Jewett street	520 "
Cilley road	1,630 "
Belmont street	150 "
	<hr/>
Total	2,430 cu. yds.

STONE CULVERTS.

Taylor street, 1' x 1' x 15.

Taylor street, 1' x 1' x 9'.

Young road, 1' x 1' x 15'.

Young road, 1' x 1' x 20'.

The above culverts are for gutters.

Taylor street, 1½' x 1½' x 6'. Old one lengthened.

Taylor street, 1' x 1' x 35'.

Taylor street, 1' x 1' x 25'.

Jewett street, 2' x 1½' x 30'.

Jewett street, 2' x 1½' x 25'.

Jewett street, 2' x 2' x 6'. Old one lengthened.
 Cilley road, $1\frac{1}{2}'$ x $1\frac{1}{2}'$ x 25'.
 Cilley road, $1\frac{1}{2}'$ x $1\frac{1}{2}'$ x 27'. Belongs to District No. 3.
 Spruce street, culvert repaired.
 Belmont street, retaining wall, 50 perches.
 Belmont street, 6 ft. of 12" Akron pipe.
 Massabesic street, two catch-basins built.
 Gutters cleaned $\frac{1}{2}$ mile.

DISTRICT NO 8.

JOHN H. PROCTOR, SURVEYOR.

Turnpiked, $1\frac{1}{2}$ miles.

Graveled, 50 rods.

Lake Shore road widened 25 feet by setting back 40 rods of stone wall. Proctor road widened 20 feet by setting back 30 rods of stone wall. At junction of these two roads the walls have been set back and corners rounded.

Hanover-street road at Park street widened 20 feet for 50 feet, and filled $1\frac{1}{2}$ feet, equal to 56 yards.

Hanover-street road at Humphrey's brook widened 8 feet, 100 feet long by 4 feet deep, equal to 115 yards. Hanover-street road near Eaton's, rock blasted 60 feet by 4 feet by 4 feet, equal to 38 perches. Proctor-road extension, blasted rock equal to 54 perches.

Blasting done in several places throughout the district.

Three new stone culverts, each $1\frac{1}{2}'$ x $1\frac{1}{2}'$ x 22 feet.

Nine old stone culverts lengthened, varying from 3 feet to 12 feet.

One hundred feet of railing set. Brush cut for 2 miles. General repairs where needed.

DISTRICT NO. 9.

JABEZ J. GARMON, SURVEYOR.

Turnpiked and graveled, 45 rods.

Graded and graveled, 78 rods, containing 2,383 cubic yards.

One stone culvert, 1' x 1' x 14', new.

One stone culvert, 14" x 16" x 24', relaid.

At new bridges, 372 feet of railing and 64 posts.
Also, general repairs.

Two new bridges over Cohas brook. (See bridges.)

DISTRICT NO. 10.

WILLIAM N. CHAMBERLIN, SURVEYOR.

Cobble gutter paving, 1,749 square yards.

Curbstone set, 760 feet.

CONCRETE.

Eleven new crossings	318 sq. yds.
New sidewalks	1,354 "
Total concrete	<u>1,672 sq. yds.</u>

GRADING.

North Main street school-yard	150 cu. yds.
Fourth street	450 "
Shirley street	75 "
Amory north back street	150 "
Patten street, at railroad	100 "
Parker-street bridge	237 "
Bedford road	1,620 "
Sidewalks	903 "
Parker-street, abutment excavations	981 "
Total	<u>4,666 cu. yds.</u>

GRADED AND GRAVELED.

Amory street, Main to Beauport street	301 feet.
Wayne street, Main to Beauport street	301 "

Putnam street, Main to Beauport street	301 feet.
Beauport street, Wayne to Sullivan street	962 "
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Total	1,865 feet.

WOODEN RAILING SET.

Boynton road at brook	900 feet.
Goffstown road	140 "
River road	170 "
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Total wooden railing	1,210 feet.
Parker-street iron railing	40 "
	<hr/>
Total fencing	1,250 feet.

SEWERS.

Akron, 15 inch	190 feet.
Akron, 12 inch	1,318 "
Akron, 10 inch	818 "
	<hr/>
Total	2,326 feet.

Eight-inch pipe used for catch-basins not counted.

Catch-basins built, 17.

Manholes, 6. (See sewers.)

DISTRICT NO. 11.

JAMES E. BAILEY, SURVEYOR.

Cobble paving, 279 square yards.

Macadamizing, 1,177 square yards.

One culvert 66 feet long, 46 perches of stone.

Curb-stone set, 1,234 feet.

Graveled, 3 miles.

DISTRICT NO. 12.

JEREMIAH GARVIN, SURVEYOR.

Turnpiked Robert Neal road 1-4 mile.

Graveled 1 mile.

One stone culvert.

Cut down one hill two and one-half feet, using the earth to fill hollows. General repairs, such as picking out rocks and repairing. Water-bars have been carefully attended to.

DISTRICT NO. 13.

JOHN H. CAMPBELL, SURVEYOR.

No report.

There has been a gradual increase in the demand for the work of the city engineer each year, in 1884 there being one-third more calls than in 1883.

In conclusion, I desire to express my thanks to Messrs. E. H. Hobbs and Perry H. Dow, engineers of the Amoskeag Corporation, and to Mr. Joseph B. Sawyer, civil engineer, for valuable information furnished and plans loaned for copying.

Respectfully submitted.

GEORGE H. ALLEN,
City Engineer.

REPORT

OF THE

CHIEF ENGINEER OF THE FIRE DEPARTMENT.

REPORT

OF THE

CHIEF ENGINEER OF THE FIRE DEPARTMENT.

ENGINEERS' OFFICE, VINE STREET,
MANCHESTER, N. H., December 31, 1884.

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

In compliance with the laws and ordinances of the city I herewith submit briefly the annual report of the Fire Department for the year just closed.

The department has fully maintained its efficiency, and has responded to thirty box-alarms.

The aggregate loss has been \$31,340.60, which has been partially covered by insurance to the amount of 25,095.60, leaving the net loss \$6,245.

It has been the aim of the Board of Engineers to give the city the best fire service they could with the means at their disposal, although they find themselves crippled in many instances. In the matter of horses, they have but little or no control over them except in cases of fire. Many times in the course of the winter, during deep and heavy snows, the horses are used in breaking roads when they should be in the stables to assist in getting the apparatus to the fire in case of an alarm; even after their return from plowing they are usually so fatigued as to be of little avail in case their services are needed.

I hope the coming year arrangements will be made so that the horses assigned to Hose Companies Nos. 2 and 4 will be kept in on alternate days, thus giving the eastern portion of the city better protection in cases of fire. As arranged at present, both horses are required to work upon the streets every week-day, so that if a fire occurs in their respective districts the horses are, a majority of the working hours, farther from the fire than are those at the central fire station.

These companies were located in the different sections for immediate response to alarms in their vicinity; but, with the horses as now used, the property gets but little protection from them in the early stages of a fire.

Another evil is the working of the horses of the Hook and Ladder Truck on many occasions a mile or more from their house. The truck is a piece of the fire apparatus that is often *wanted at the beginning of a fire*. We shall never have a well equipped fire department as long as the horses are used as at present.

While we have but one company of this kind in our department, there should be one pair of horses with driver on duty at the house all the time. I would not advise keeping the same pair for this duty all the time, but would recommend that two pairs of horses be assigned for duty on the truck, and work alternate dates upon the streets. No city of the size of this has so few permanent firemen as ours, and while we have at present an efficient department, we should take all possible steps to advance its proficiency.

A PROTECTIVE CORPS

is much needed, and in most, if not all, cities where one is organized, it is maintained by the insurance companies, and I think from the amount of risks carried, and the

saving in losses it would be to them, they can well afford to equip and maintain one here.

ORGANIZATION.

The present organization of the department includes one hundred and fourteen members, as follows:—

- 1 Chief Engineer.
- 4 Assistant Engineers.
- 2 Steam Fire Engine Companies, — 14 men each.
- 1 Horse Hose Company, — 20 men.
- 3 Horse Hose Companies, — 12 men each.
- 1 Hook and Ladder Company, — 25 men.

In addition to the above is one hand-hose company of 20 volunteers, not under pay.

THE APPARATUS

has been improved the present year by the purchase of a new and very substantial supply wagon, better fitted for the requirements of the department than the old one, at a cost of \$275.

A new hook-and-ladder truck has been contracted for, to be delivered about the first of April next. It is to be fully equipped, and when in service it is the design of the board to use the present one as a reserve truck.

The apparatus, as at present located, consists of—

- * 3 Steam Fire Engines, at Central Fire Station.
- † 1 Steam Fire Engine, corner Massabesic and Hall sts.
- 1 Horse Hose Carriage, at Central Fire Station.
- 1 Horse Hose Sled, at Central Fire Station.
- 1 Hook and Ladder Truck, at Central Fire Station.
- 1 Supply Wagon, at Central Fire Station.
- 1 Horse Hose Carriage, corner Maple and East High sts.

* One reserve engine.

† Reserve engine.

- 1 Horse Hose Carriage, on Clinton street, 'Squog.
- 1 Horse Hose Carriage, corner Park and Massabesic sts.
- 1 Hand Hose Carriage, at junction of Old Falls road and Front street, 'Skeag.
- 1 2-wheeled Hose Carriage, Derry Mills, Goffe's Falls, manned by men at the mills.

THE BUILDINGS.

During the year a section has been added to the central station for the accommodation of the Hook and Ladder Company, so that the horses now face the truck. The engineer's office and battery-room, which were located in the part torn down to make room for the addition, have been removed to the south end of the old building.

I would recommend that the tenement formerly occupied by the driver of the Hook and Ladder Company be fitted up with beds similar to stations in many other cities, where a few of our firemen could sleep. Often during the year it is necessary to keep extra men on duty, as in winter after heavy snows, for the purpose of "doubling up," as well as on the eve of and during Fourth of July, and accommodations should be furnished for such emergencies. The city would be much benefited thereby, as some of the firemen would be ready to respond at once with the apparatus.

The house of the E. W. Harrington Hose Co. No. 3, in 'Squog, is now the most poorly arranged of any we have, as well as poorly located. As radical changes are needed in the present one, I would suggest that a lot be procured near the Main-street grammar school building. From that location the company could respond to an alarm from McGregorville, or west of Main street, without climbing the hill, and could easily respond to any south of its present location, while a greater proportion of 'Squog

village would be better protected than now. I hope the incoming city government will take immediate steps towards such a change.

The steam piping in the houses at the central station has never worked properly. It requires, in the coldest weather, from fifteen to eighteen pounds of steam to circulate through the pipes, and even with that pressure it is impossible to keep the pipes free from condensed water. The boiler requires as constant watching as one of high pressure. I have no doubt money enough could be saved in fuel in two seasons to pay for putting it in good shape, when, with three or four pounds of steam, better results and more comfort could be obtained.

OBSTRUCTING HYDRANTS.

Some of our citizens often thoughtlessly obstruct our fire-hydrants, either by hitching teams to them, unloading wood, lumber, and other articles in front and around them, or, particularly in winter, by shoveling snow from the walks, many times covering them entirely over. If they would but for a moment think of the delay that might occur in case of fire to their premises, I have no doubt they would take especial pains to remedy the evil, and see they were at all times free from obstructions and ready for immediate use.

THE FIRE-ALARM TELEGRAPH

has generally given satisfaction. It has required a great deal of care and attention to keep it in working order, and while perfection even in the fire-alarm telegraph is impossible, still there has been no confusion in any box alarm during the year. The linemen of other companies have, however, caused some annoyance several times, by carelessly dragging their wires across ours, thus causing strokes upon our fire-bells.

I would urgently recommend a special appropriation of six thousand dollars (\$6,000) the coming year for the purpose of remodeling the system, putting the three circuits into six, and exchanging the three-circuit repeater for one of eight circuits, so that two additional circuits may hereafter be added at comparatively little expense: The above amount, I think, will cover the cost, including six new boxes, as well as the changing over of the inside work of our present ones, so as to comprise all the latest improvements of the "Gamewell System."

SWINGING HARNESES.

At the time my report was submitted a year ago, we had on trial a pair of "The Berry Swinging Harnesses." Since then they have been purchased for both steamer companies, as well as for Hose Companies Nos. 2, 3, and 4, and the Hook and Ladder Company.

FIREMEN'S RELIEF ASSOCIATION.

I have so many times called the attention of our citizens to the objects of this association that the mere mention that the amount in its treasury is growing less year by year will induce our liberal citizens to contribute to so good a cause.

The following is a statement of its funds:—

Amount in treasury at the annual meeting of February 12, 1884	\$870 74	
Cash received for membership	19 00	
Cash received from Frank Hutchinson, salary as assistant engineer one month	8 33	
Cash received, interest on deposits to October 1, 1884	43 27	
	<hr/>	\$941 34

CONTRA.

Cash paid for postals and printing	\$2 00	
Cash paid for secretary's salary .	25 00	
Cash paid Ruel G. Manning for injuries received at Hill's fire .	53 50	
	<hr/>	\$80 50
Balance in treasury		<hr/> \$860 84

CONCLUSION.

In closing this report I wish to extend my thanks to his Honor Mayor Putnam and members of the city government who have labored for the good of the department; to City Marshal Jenkins and the police force under his charge, for aid and assistance in times of fire, as well as at our annual parade; to the efficient Assistant Engineers for their many courtesies, and to whom I am much indebted for valuable counsel; and to the officers and members of the several companies for the promptness with which they have always responded to alarms, and the willingness with which they have performed the duties required of them.

Respectfully submitted.

THOMAS W. LANE,

Chief Engineer Manchester Fire Department.

FIRES, ALARMS, LOSSES, ETC., FROM

Day of Week.	Day of Month.	Hour.	Box.	Location.
Thursday.....	January 3.	2.15 P. M.	31	Amoskeag Village.....
Saturday.....	January 5.	10.38 P. M.	6	Mechanic street.....
Tuesday.....	January 22.	7.47 P. M.	27	Corner Elm and Central streets...
Friday.....	February 8.	12.58 P. M.	8	15 Myrtle street.....
Saturday.....	February 9.	2.22 A. M.	52	Mast road, 'Squog.....
Saturday.....	February 16.	1.02 A. M.	52	Main street, 'Squog.....
Sunday.....	February 24.	1.14 P. M.	23	267 Park street.....
Thursday.....	March 6.	5.12 A. M.	15	Corner Pearl and Chestnut streets.
Monday.....	March 24.	7.50 P. M.	51	3 Print-Works corp.....
Thursday.....	March 27.	9.24 P. M.	6	965 Elm street.....
Tuesday.....	April 1.	4.39 P. M.	32	Salmon street.....
Monday.....	April 7.	7.29 P. M.	71	180 Park street.....
Thursday.....	April 17.	10.08 A. M.	13	Blodget street.....
Wednesday.....	May 14.	8.03 P. M.	51	South Elm street.....
Friday.....	July 4.	2.43 P. M.	15	Rear 70 Pearl street.....
Friday.....	July 4.	9.24 P. M.	21	12 Central street.....
Tuesday.....	July 8.	3.22 P. M.	26	55 Nashua street.....
Friday.....	July 11.	4.12 P. M.	71	193 Park street.....
Tuesday.....	August 5.	2.03 P. M.	4	77 Park street.....
Saturday.....	August 16.	10.18 A. M.	71	Cedar street.....
Sunday.....	August 24.	2.18 P. M.	51	Auburn street.....
Wednesday.....	October 1.	8.56 P. M.	21	Manchester street.....
Monday.....	October 6.	8.06 A. M.	17	236 Amherst street.....
Friday.....	October 24.	4.11 P. M.	53	Old Mast road.....
Saturday.....	October 25.	2.45 A. M.	51	Cedar street.....
Wednesday.....	November 5.	7.32 P. M.	53	353 South Main street.....
Thursday.....	November 13.	1.51 A. M.	27	790 Elm street.....
Friday.....	November 21.	4.11 P. M.	52	464 Granite street.....
Saturday.....	December 13.	6.11 P. M.	5	859 Elm street.....
Saturday.....	December 20.	9.55 P. M.	8	1 Kidder street.....

JANUARY 1, 1884, TO DECEMBER 31, 1884.

Description.	Owned by.	Occupied by.
Waste mill.....	P. C. Cheney Co.....	P. C. Cheney Co.....
Commission store.....	Kennard Brothers.....	George W. Morgan.....
Boarding-house.....	M. Prout.....	W. D. Ladd.....
Brick block.....	Hoyt & James.....	Mary Miller. (Room.).....
Dry-house	James Baldwin & Co.....	James Baldwin & Co.....
Pipe and repair shop.....	E. F. Scheer... ..	L. Wolf.....
Two-story dwelling.....	A. G. Monette.....	A. G. Monette.....
Two-story dwelling.....	D. K. Mack.....	Mrs. H. M. Ford.....
Wood-shed.....	Manchester Print-Works.....	.....
Brick block.....	Thomas Dunlap.....	Amoskeag Clothing Co.....
Brick dwelling.....	Frederick Smyth.....	Frederick Smyth.....
Cottage house.....	Estate of William Plumer.....	Mrs. Brown.....
School-house.....	City.....	Schools.. ..
Foundry.....	Hutchinson Brothers.....	Hutchinson Brothers.....
Barn.....	W. A. Green.....	Cyrus Burpee.....
Tenement block.....	Mr. Hall.....	Joseph Lacasse
Cottage house.....	Hiram Brown.....	W. G. Smith.....
Two-story dwelling.....	Bridget Bartlett.....	Sullivan Kelley.....
Tenement block.....	Estate of William Plumer.....	Pat'k Stewart & Jas. Dowd
Tenement block.....	George Whitford.....	Several families.....
Boiler-room.....	S. C. Forsaith & Co.. ..	S. C. Forsaith & Co.....
Lumber and wood-sheds..	J.H.Maynard and Mrs. H.C. Joy	J. H. Maynard.....
Cottage house.....	B. P. Cilley.....	B. P. Cilley.....
House and barn.....	George W. Wilkins.....	George W. Wilkins.....
Flouring-mill.....	C. H. Hill & Co.....	C. H. Hill & Co.....
Dwelling-house.....	Estate of Eugene Bowman.....	Daniel L. Mitchell.....
Shoe-store.....	Brown, Straw, & Brown.....	George H. Wilson.....
Tenement block.....	Mrs. Folsom and Mrs. Tolman..	Freeman Young and others.
Merchants' Exchange.....	Daniel Clark.....	Club-room.....
Tenement block.....	Amoskeag Manufacturing Co....	Mrs. John Mahar.....

FIRES, ALARMS, LOSSES, ETC., FROM

Day of Week.	Day of Month.	Hour.	Box.	Location.
Thursday.....	January 3.	2.15 P. M.	31	Amoskeag Village.....
Saturday.....	January 5.	10.38 P. M.	6	Mechanic street.....
Tuesday.....	January 22.	7.47 P. M.	27	Corner Elm and Central streets....
Friday.....	February 8.	12.58 P. M.	8	15 Myrtle street.....
Saturday.....	February 9.	2.22 A. M.	52	Mast road, 'Squog.....
Saturday.....	February 16.	1.02 A. M.	52	Main street, 'Squog... ..
Sunday.....	February 24.	1.14 P. M.	23	267 Park street.....
Thursday.....	March 6.	5.12 A. M.	15	Corner Pearl and Chestnut streets.
Monday.....	March 24.	7.50 P. M.	51	3 Print-Works corp.....
Thursday.....	March 27.	9.24 P. M.	6	965 Elm street.....
Tuesday.....	April 1.	4.39 P. M.	32	Salmon street.....
Monday.....	April 7.	7.29 P. M.	71	180 Park street.....
Thursday.....	April 17.	10.08 A. M.	13	Blodget street.....
Wednesday.....	May 14.	8.03 P. M.	51	South Elm street.....
Friday.....	July 4.	2.43 P. M.	15	Rear 70 Pearl street.....
Friday.....	July 4.	9.24 P. M.	21	12 Central street....
Tuesday.....	July 8.	3.22 P. M.	26	55 Nashua street.....
Friday.....	July 11.	4.12 P. M.	71	193 Park street.....
Tuesday.....	August 5.	2.03 P. M.	4	77 Park street.....
Saturday.....	August 16.	10.18 A. M.	71	Cedar street.....
Sunday.....	August 24.	2.18 P. M.	51	Auburn street.....
Wednesday.....	October 1.	8.56 P. M.	21	Manchester street.....
Monday.....	October 6.	8.06 A. M.	17	236 Amherst street.....
Friday.....	October 24.	4.11 P. M.	53	Old Mast road.....
Saturday.....	October 25.	2.45 A. M.	51	Cedar street.....
Wednesday.....	November 5.	7.32 P. M.	53	353 South Main street.....
Thursday.....	November 13.	1.51 A. M.	27	790 Elm street.....
Friday.....	November 21.	4.11 P. M.	52	464 Granite street.....
Saturday.....	December 13.	6.11 P. M.	5	859 Elm street.....
Saturday.....	December 20.	9.55 P. M.	8	1 Kidder street.....

JANUARY 1, 1884, TO DECEMBER 31, 1884.

Description.	Owned by.	Occupied by.
Waste mill.....	P. C. Cheney Co.....	P. C. Cheney Co.....
Commission store.....	Kennard Brothers.....	George W. Morgan.....
Boarding-house.....	M. Prout.....	W. D. Ladd.....
Brick block.....	Hoyt & James.....	Mary Miller. (Room.).....
Dry-house.....	James Baldwin & Co.....	James Baldwin & Co.....
Pipe and repair shop.....	E. F. Scheer.....	L. Wolf.....
Two-story dwelling.....	A. G. Monette.....	A. G. Monette.....
Two-story dwelling.....	D. K. Mack.....	Mrs. H. M. Ford.....
Wood-shed.....	Manchester Print-Works.....	.....
Brick block.....	Thomas Dunlap.....	Amoskeag Clothing Co.....
Brick dwelling.....	Frederick Smyth.....	Frederick Smyth.....
Cottage house.....	Estate of William Plumer.....	Mrs. Brown.....
School-house.....	City.....	Schools.....
Foundry.....	Hutchinson Brothers.....	Hutchinson Brothers.....
Barn.....	W. A. Green.....	Cyrus Burpee.....
Tenement block.....	Mr. Hall.....	Joseph Lacasse.....
Cottage house.....	Hiram Brown.....	W. G. Smith.....
Two-story dwelling.....	Bridget Bartlett.....	Sullivan Kelley.....
Tenement block.....	Estate of William Plumer.....	Pat'k Stewart & Jas. Dowd
Tenement block.....	George Whitford.....	Several families.....
Boiler-room.....	S. C. Forsaith & Co.....	S. C. Forsaith & Co.....
Lumber and wood-sheds..	J.H.Maynard and Mrs. H.C. Joy	J. H. Maynard.....
Cottage house.....	B. P. Cilley.....	B. P. Cilley.....
House and barn.....	George W. Wilkins.....	George W. Wilkins.....
Flouring-mill.....	C. H. Hill & Co.....	C. H. Hill & Co.....
Dwelling-house.....	Estate of Eugene Bowman.....	Daniel L. Mitchell.....
Shoe-store.....	Brown, Straw, & Brown.....	George H. Wilson.....
Tenement block.....	Mrs. Folsom and Mrs. Tolman..	Freeman Young and others.
Merchants' Exchange.....	Daniel Clark.....	Club-room.....
Tenement block.....	Amoskeag Manufacturing Co....	Mrs. John Mahar.....

FIRES, ALARMS, LOSSES, ETC., — *Continued.*

Day of Week.	Damage.	Insurance.	Uncovered by Ins.	Cause.	Remarks.
Thursday.....	\$200.00	.....	\$200.00	Friction.....	
Saturday.....	1,300.00	\$1,000.00	300.00	Ashes.....	
Tuesday.....	.....	.....	.....	.....	Burning chimney.
Friday.....	100.00	100.00	.....	Matches.....	
Saturday.....	1,200.00	.....	1,200.00	Heat.....	
Saturday..	50.00	50.00	.....	Forge.....	
Sunday.....	Slight.	.....	.....	Smoker's pipe.....	
Thursday....	25.00	25.00	.....	Defective chimney.	
Monday.....	None.	.....	.....	Ashes.....	
Thursday.....	7,305.00	7,305.00	.....	Unknown.....	
Tuesday.....	None.	.....	.....	.....	Burning chimney.
Monday.....	None.	.....	.....	Curtain.....	
Thursday.....	10.00	.....	10.00	Set by boy.....	
Wednesday...	None.	.....	.....	Light from chimney	Needless alarm.
Friday.....	198.60	198.60	.....	Fire-crackers.....	
Friday..	Slight.	.....	.....	Smoking in bed....	
Tuesday.....	150.00	.....	150.00	Unknown.....	
Friday.....	None.	.....	.....	.....	} Extinguish'd with pails.
Tuesday.....	None.	.....	.....	Playing with matches	
Saturday.....	.....	.....	.....	.....	Burning chimney.
Sunday.....	20.00	20.00	.....	Furnace.....	
Wednesday...	200.00	125.00	75.00	Ashes..	
Monday.....	None.	.....	.....	Chimney.....	} Extinguished with grenades.
Friday.....	3,800.00	2,000.00	1,800.00	Incendiary.....	
Saturday.....	13,407.00	11,462.00	1,945.00	Hot box.....	
Wednesday...	.....	.....	.....	.....	Burning chimney.
Thursday....	3,000.00	2,435.00	565.00	Matches.....	
Friday.....	300.00	300.00	.....	Unknown.....	
Saturday..	25.00	25.00	.....	.....	Burning chimney.
Saturday.....	50.00	50.00	.....	Unknown.....	
	\$31,340.60	\$25,095.60	\$6,245.00		

TABLE

SHOWING NUMBER OF ALARMS FROM EACH BOX SINCE TELEGRAPH SYSTEM WAS ESTABLISHED, EXCEPT FROM SEPT., 1872, TO JAN., 1873, WHEN NO RECORD WAS KEPT.

Box.	1873	1874	1875.	1876	1877	1878.	1879	1880.	1881.	1882.	1883	1884.	Total.
3....	..	1	1	..	2	..	..	1	..	..	1	..	6
4.....	6	6	4	7	7	5	4	4	2	8	..	1	54
5.....	..	6	..	2	2	1	1	4	2	1	..	1	16
6.....	4	1	1	4	4	2	2	..	..	3	2	2	25
7.....	7	..	2	1	3	..	2	3	..	2	1	..	21
8.....	2	..	2	1	1	1	1	1	..	..	..	2	11
9.....	..	..	..	..	..	..	..	1	..	1	..	..	2
12.....	..	..	..	..	..	..	..	..	..	..	..	..	..
13.....	1	..	1	..	..	..	..	..	..	..	..	1	3
14.....	..	..	..	..	..	1	..	..	..	..	..	..	1
15.....	..	..	1	..	..	..	1	..	1	2	..	2	7
16.....	1	..	1	..	..	..	..	..	..	..	..	..	2
17.....	..	..	1	1	..	..	..	..	..	..	..	1	3
18.....	..	..	1	..	..	..	1	..	1	..	..	..	3
21.....	3	..	1	1	2	2	1	1	2	1	1	2	17
23.....	..	..	..	..	..	1	..	..	1	1	..	1	3
24.....	..	..	1	..	1	..	2	1	1	..	1	..	7
25.....	..	..	1	1	..	..	..	..	..	1	..	..	3
26.....	1	..	..	..	..	..	1	1	..	..	..	1	4
27.....	..	2	2	1	5	..	..	2	..	1	..	2	15
31.....	..	..	3	..	..	..	..	..	..	1	..	1	5
32.....	..	..	..	..	..	1	..	1	..	1	..	1	4
34.....	2	1	..	..	..	..	..	..	..	..	..	..	3
35.....	..	..	..	..	..	..	..	..	..	..	1	..	1
36.....	..	..	..	..	..	1	..	..	..	..	..	..	1
41.....	..	..	..	1	..	1	..	..	..	..	..	..	2
42.....	1	..	..	..	..	..	..	..	..	..	..	..	1
43.....	..	..	..	..	..	..	..	..	..	..	..	..	..
45.....	..	..	..	..	..	..	..	..	..	..	..	..	..
51.....	1	1	..	1	..	1	1	1	1	..	3	4	14
52.....	4	3	1	..	2	..	..	2	..	2	2	3	19
53.....	2	1	1	1	..	1	..	2	..	1	..	2	11
54.....	..	..	..	..	..	..	..	..	..	..	..	..	..
61.....	..	1	..	1	..	1	1	..	..	2	1	..	7
62.....	..	2	..	1	1	1	1	..	..	..	..	..	6
71.....	..	..	1	1	..	1	3	2	..	1	..	3	12
	35	25	26	25	30	21	22	23	11	29	13	30	290
			3 still.			1 still.		1 still.	1 still.	1 still.		1 still.	8 still.

No. 45. — Amory Mill counting-room. Keys at watch-room and A. J. Mayhew's, 51 Stark corporation, corner of Canal and Bridge streets.

No. 51. — S. C. Forsaith & Co.'s shops. Keys at freight depot, S. C. Forsaith's office, and Lowell's iron foundry office.

No. 52. — Barr's brick block, 'Squog. Keys at Allen N. Clapp's store and Merrimack House.

No. 53. — Wallace's steam-mill. Keys at the office and residence of I. R. Dewey.

No. 54. — Corner of Wayne and Main streets, 'Squog. Keys at residences of Napoleon Duford and Julius Foucher.

No. 61. — Corner of Elm and Hancock streets, Bakersville. Keys at residence of B. F. Merrill, John Crenan's saloon, and Carney, Lynch, & Co.'s brewery.

No. 62. — Massabesic street, Hallsville. Keys at residences of Charles C. Chase and G. W. Dearborn.

No. 71. — Corner of Cedar and Pine streets. Keys at residences of T. Collins, Daniel Sheehan, Thomas J. Smith, and Daniel F. Healy.

Also, keys will be found in the hands of all regular police.

The true time from Cambridge Observatory will be given at precisely 12.30 P. M., from Thomas Dunlap's jewelry store, 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 persons at the corner or nearest houses, as designated by a card on each box.

2. Key-holders, upon the discovery of a fire, or positive information of a fire, will unlock the box, pull down the hook once as far as it will go (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. **DON'T 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 alarm-boxes near their property, also all 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 the box will be given four times for an alarm.

8. 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.

SCHOOL SIGNAL.

Two strokes, with fifteen seconds between them, to close the primary schools ; and, to close all the schools, two immediate strokes, and after a lapse of fifteen seconds two more immediate strokes, — the time of striking the bells being at 8.05 A. M., for closing the schools during the forenoon, and at 1.15 P. M., for closing them during the afternoon.

RULES AND REGULATIONS IN REGARD TO
RESPONDING TO ALARMS, ADOPTED BY
THE BOARD OF ENGINEERS.

1. Steamer No. 1 will report for duty on the days of its first run to all boxes ; on the days of its second run, it will report on the first alarm to boxes 4, 7, 8, 15, 27, 35, 41, 42, 45, 51 ; on second alarm, to boxes 3, 5, 6, 12, 13, 16, 17, 21, 23, 26, 32, 34, 43, 52, 53, 71 ; on third alarm, to all boxes.

2. Steamer No. 4, same as above.

3. On the first alarm from boxes 9, 24, 25, 26, 31, 36, 54, 61, 62, the steamer horses of the second run will double on to the engine of its first run, and on the arrival at the fire the second-run horses will return to their house, and in case of an alarm from any box the company will immediately respond with their engine.

4. Pennacook Hose No. 1 will report for duty on the first alarm to all boxes.

5. Massabesic Hose No. 2 will report for duty on the first alarm to boxes 4, 5, 6, 7, 8, 9, 13, 14, 15, 16, 17, 18, 21, 24, 25, 26, 27, 35, 36, 41, 42, 51 ; on the second alarm, to boxes 3, 12, 23, 31, 32, 34, 43, 45, 62, 71 ; on the third alarm, to all boxes.

6. E. W. Harrington Hose No. 3 will report for duty on the first alarm to boxes 3, 4, 5, 27, 35, 41, 42, 43, 51, 52, 53, 54 ; on second alarm, to boxes 7, 12, 31, 32 ; on third alarm, to all boxes. On first alarm from box 45, repair to west end of McGregor bridge and await orders, or cross on second alarm.

7. Merrimack Hose No. 4 will report for duty on first alarm to boxes 3, 4, 5, 6, 7, 15, 17, 18, 21, 23, 24, 25, 27, 35, 36, 41, 42, 51, 61, 62, 71 ; on second alarm, to boxes

8, 12, 16, 26, 32, 34, 43, 45, 52, 53; on third alarm, to all boxes.

8. Hook and Ladder No. 1 will report for duty on the first alarm to all boxes.

9. Steamer No. 2 to be kept as a reserve engine, to respond to a third alarm. The horses attached to the engine on its first run will return to the house on a second alarm, to be in readiness to respond to a third alarm; and the engine will be manned by men detailed for that purpose and attached to Pennacook Hose and Hook and Ladder companies at all times, except when the engine is on duty.

10. Steamer No. 3 to be kept as a reserve engine, to be used in case of need on third alarm.

11. At any time when an alarm of fire is given, the engine, hose-carriage, or truck that leaves the house first will have the right to lead to the fire. **NO RUNNING BY WILL BE ALLOWED, EXCEPT IN CASE OF ACCIDENT, UNDER PENALTY OF DISMISSAL OF THE DRIVER FROM THE DEPARTMENT.**

12. The companies of the department not called on the first alarm will prepare for a start, and hold themselves in readiness for a second or third alarm; and if not needed, one stroke on the bells and gongs, by the engineer in charge, will be the signal for discharge to all companies remaining at the houses; or, in case this one blow is not struck within thirty minutes, companies may consider themselves dismissed, except the drivers, who will remain in the houses with their horses until the two blows to limber up are given.

13. Two strokes on the bells will be a signal for those at a fire to limber up.

ESTIMATED VALUE OF PROPERTY.

AMOSKEAG STEAM FIRE ENGINE NO. 1.

LOCATED ON VINE STREET.

1 first-class double-plunger engine and hose carriage	\$4,500 00
100 feet three-inch leather hose	140 00
1,000 feet 2 1-4 inch fabric hose	900 00
Firemen's suits	200 00
Furniture and fixtures, including harnesses	400 00
	<hr/>
Total amount	\$6,140 00

FIRE KING STEAM FIRE ENGINE NO. 2.

LOCATED ON VINE STREET.

(Reserve engine.)

1 first-class double-plunger engine and hose carriage	\$2,750 00
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E. W. HARRINGTON STEAM FIRE ENGINE NO. 3.

LOCATED ON PARK STREET, CORNER MASSABESIC.

(Reserve engine.)

1 second-class single-plunger engine and hose-carriage	\$2,750 00
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N. S. BEAN STEAM FIRE ENGINE NO. 4.

LOCATED ON VINE STREET.

1 second-class double-plunger engine and hose-carriage	\$3,500 00
50 feet rubber hose	75 00
1,100 feet leather hose	1,000 00
Firemen's suits	200 00

Furniture and fixtures, including harnesses	\$400 00
Total amount	<u>\$5,175 00</u>

PENNACOOK HOSE NO. 1.

LOCATED ON VINE STREET.

1 four-wheeled horse hose-carriage	\$650 00
1 horse hose sled and reel	50 00
3,100 feet leather hose	3,100 00
Firemen's suits	250 00
Furniture and fixtures, including harnesses	400 00
Total amount	<u>\$4,450 00</u>

MASSABESIC HOSE NO. 2.

LOCATED ON MAPLE STREET, CORNER EAST HIGH.

1 four-wheeled horse hose-carriage	\$700 00
1,700 feet leather hose	1,750 00
Furniture and fixtures, including harnesses	60 00
Firemen's suits	175 00
Total amount	<u>\$2,685 00</u>

E. W. HARRINGTON HOSE NO. 3.

LOCATED ON CLINTON STREET, PISCATAQUOG.

1 four-wheeled horse hose-carriage	\$650 00
2,100 feet leather hose	2,100 00
Firemen's suits	150 00
Furniture and fixtures, including harnesses	200 00
Total amount	<u>\$3,100 00</u>

MERRIMACK HOSE NO. 4.

LOCATED ON PARK STREET, CORNER MASSABESIC.

1 four-wheeled horse hose-carriage . . .	\$700 00
1,700 feet leather hose	1,700 00
Firemen's suits	120 00
Furniture and fixtures, including harness	125 00
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Total amount	\$2,645 00

EXCELSIOR HOOK AND LADDER NO. 1.

LOCATED ON VINE STREET.

1 truck with hooks and ladders . . .	\$1,500 00
1 Bangor extension ladder	150 00
Firemen's suits	350 00
Furniture and fixtures, including har- nesses	340 00
	<hr/>
Total amount	\$2,340 00

SUPPLY WAGON.

LOCATED AT ENGINE-HOUSE ON VINE STREET.

1 supply wagon with boxes and engineers' lanterns	\$312 00
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SPARE HOSE.

AT ENGINE-HOUSE ON VINE STREET.

950 feet leather hose	\$1,092 50
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ENGINEERS' DEPARTMENT.

5 fire-hats	\$7 50
Furniture and fixtures	125 00
	<hr/>
Total amount	\$132 50

FIRE-ALARM TELEGRAPH.

At cost (including additions) . . .	\$21,625 00
Ladders and tools	25 00
Extra poles and wire	20 00
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Total amount	\$21,670 00

INDEPENDENT HOSE CO.

LOCATED CORNER OLD FALLS ROAD AND FRONT STREET, 'SKEAG.

1 four-wheeled hose-carriage	\$400 00
1,200 feet leather hose	900 00
2 hose-pipes	30 00
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Total amount	\$1,330 00

GOFFE'S FALLS HOSE-CARRIAGE.

LOCATED AT DERRY MILLS.

1 two-wheeled hose-carriage	\$100 00
400 feet linen hose	150 00
2 hose-pipes	12 00
	<hr/>
Total amount	\$262 00

RECAPITULATION.

Amoskeag Steam Engine No. 1	\$6,140 00
Fire King Engine No. 2	2,750 00
E. W. Harrington Steam Engine No. 3	2,750 00
N. S. Bean Steam Engine No. 4	5,175 00
Pennacook Hose No. 1	4,450 00
Massabesic Hose No. 2	2,685 00
E. W. Harrington Hose No. 3	3,100 00
Merrimack Hose No. 4	2,645 00
Excelsior Hook and Ladder No. 1	2,340 00

Supply Wagon	\$312 00
Store-room	1,092 50
Engineers' Department	132 50
Fire Alarm	21,670 00
Independent Hose at Amoskeag	1,330 00
Goffe's Falls Hose-Carriage	262 00
	<hr/>
Total amount	\$56,834 00

NAMES AND RESIDENCES OF THE MEMBERS OF THE FIRE DEPARTMENT.

BOARD OF ENGINEERS.

Badge No.	NAME.	Rank.	Occupation.	Residence.
1	Thomas W. Lane...	Chief.....	Bookseller.....	1937 Elm St.
2	Orrin E. Kimball...	Assistant.....	Wool andLe'th'rDeal'r	17 Harrison St.
3	James F. Pherson..	Assistant.....	Painter.....	25 M. S. B.
4	Ruel G. Manning...	Assistant.....	Carpenter.....	50 Douglas St. (P.)
5	Fred S. Bean.....	Assistant and clerk	Machinist.....	96 Bridge St.

AMOSKEAG STEAM FIRE ENGINE COMPANY NO. 1.

House on Vine Street.

Badge No.	NAME.	Rank.	Occupation.	Residence.
6	James R. Carr.....	Foreman.....	Painter.....	1405 Elm St.
7	Charles F. McCoy..	Assistant Foreman.	Machinist.....	5 M. S. B.
8	Frank E. Stearns..	Clerk.....	Painter.....	389 Park St.
9	George R. Simmons	Engineer....	Machinist.....	82 Pennacook St.
10	Henry H. Glines...	Assistant Engineer.	Machinist.....	13 Mechanic St.
11	Geo. W. Butterfield	Driver.....	Teamster.....	28 Vine St.
12	Artemas C. Barker.	Hoseman.....	Currier.....	494 Pine St.
13	Joseph H. Gould...	".....	Blacksmith.....	Martin's Block.
14	John H. Stone.....	".....	Painter.....	27 Orange St.
15	Thomas J. Wyatt..	".....	Carpenter.....	14 M. S. B.
16	George E. Cassidy..	".....	Carpenter.....	45 Spring St.
17	Frank B. Marston..	".....	Carpenter.....	11 M. S. B.
18	Woodbury Davison.	".....	Piper.....	785 Union St.
19	Henry A. Boone...	".....	Machinist.....	19 M. S. B.

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

House on Vine Street.

Badge No.	NAME.	Rank.	Occupation.	Residence.
20	Eugene S. Whitney	Foreman	Supt. Electric Light..	96 Bridge St.
21	Edgar G. Abbott...	Assistant Foreman.	Machinist	543 Chestnut St.
22	John Martin	Clerk.....	"	624 Main St.
23	Thomas F. Dodge..	Assistant Engineer.	"	545 Chestnut St.
25	Jeremiah Lane.....	Driver	Teamster	20 Vine St.
26	Almus B. Cushing.	Hoseman	"	86 Park St.
27	Charles E. Ham....	"	Carpenter	44 M. S. B.
28	William H. Dodge .	"	Fireman.....	530 Chestnut St.
29	George W. Bacon ..	"	Carpenter	65 Stark Corp.
30	Alfred Nearborn...	"	"	Cor.E. High & Jane
24	Albert Merrill	"	Machinist.....	96 Bridge St.
33	Eugene W. Elkins.	"	"	530 Chestnut St.
31	Frank A. Pherson..	"	"	36 Amoskeag Corp.
32	George N. Burpee..	"	Electrician	99 Bridge St.

PENNACOOK HOSE COMPANY NO. 1.

House on Vine Street.

Badge No.	NAME.	Rank.	Occupation.	Residence.
34	Albert Maxfield ...	Foreman	Belt-Maker.....	23 M. S. B.
35	Clarence D. Palmer	Assistant Foreman.	Marble-Worker	347 Central St.
36	Joseph E. Merrill..	Clerk.....	Currier.....	92 Walnut St.
37	Walter L. Blenus ..	Driver.....	Teamster.....	26 Vine St.
38	George H. Porter ..	Hoseman	Carpenter.. ..	277 Laurel St.
39	Will G. Chase.....	"	Photographer.....	217 Central St.
40	Lyman M. Aldrich.	"	Carpenter	375 Park St.
41	Joseph H. Alsop....	"	Manufacturer... ..	54 Douglas St. (P.)
42	Daniel W. Morse ..	"	Machinist.....	1419 Elm St.
43	George W. Cheney .	"	"	1348 Elm St.
44	Gilbert A. Sackett..	"	Weaver.....	53 Amoskeag Corp.
45	Edwin A. Durgin..	"	Machinist.....	44 Manchester "
46	Samuel A. Hill....	"	Carpenter	50 Douglas St. (P.)
47	Edwin E. Weeks...	"	Machinist.....	50 Amoskeag Corp.
48	Albert A. Puffer ...	"	Railroad Employe...	544 Chestnut St.
49	Charles W. Brown .	"	Clerk.....	16 Hazel St.
50	Martin W. Ford....	"	Molder.....	546 Chestnut St.
51	David G. Mills.....	"	Carpenter.....	Parker St. (P.)
52	Charles B. French .	"	"	18 M. S. B.
53	John E. Sanborn ..	"	"	274 Laurel St.

MASSABESIC HOSE COMPANY NO. 2.

House on Maple Street, cor. East High.

Badge No.	NAME.	Rank.	Occupation.	Residence.
54	John F. Seaward...	Foreman	Carpenter.....	27 Warren St.
55	Revilo G. Houghton	Assistant Foreman	Gas-Fitter.....	288 Bridge St.
56	Park'r W. Hannaford	Clerk	Carpenter	256 Lowell St.
57	Walter Seaward....	Driver.....	Teamster	521 Maple St.
58	Henry G. Seaman..	Hoseman	Carpenter	14 South St.
59	Jos. W. Batchelder.	"	"	521 Maple St.
60	William S. McLeod.	"	Grainer.....	40 Arlington St.
62	Alphonso E. Foster.	"	Carpenter.....	43 Nashua St.
63	George W. Seaward.	"	Machinist.....	409 Pine St.
64	Albert E. Batchelder	"	Carpenter.	77 Blodget St.
65	Fred S. Lewis	"	Plumber	27 South St.
61	Daniel W. Clark ...	"	Carpenter.....	232 East High.

E. W. HARRINGTON HOSE COMPANY NO. 3.

House on Clinton Street, 'Squog.

Badge No.	NAME.	Rank.	Occupation.	Residence.
66	Horatio Fradd.. ...	Foreman	Grocer	54 Dover St.
67	John T. G. Dinsmore	Assistant Foreman.	Carpenter	48 Dover St.
68	Joseph Schofield...	Clerk.	Wool-Sorter	392 Granite St.
69	John T. O'Dowd...	Driver.....	Teamster	Clinton St.
70	William Doran	Steward.....	Machinist	62 Parker St.
72	John McDerby....	Hoseman	Roofer	503 Granite St.
73	Edward McDerby..	"	Machinist	151 Winter St.
71	A. C. Wallace, Jr..	"	Lumber-Surveyor ...	79 Parker St.
74	Edward Flanagan..	"	Carpenter..	21 Central St.
75	John Patterson	"	Engraver	45 School St.
76	William McCombie.	"	Carpenter.....	161 Winter St.
77	John Walsh.....	"	Saloon-Keeper	166 S. Main St.

MERRIMACK HOSE COMPANY NO. 4.

House on Park Street, corner Massabesic.

Badge No.	NAME.	Rank.	Occupation.	Residence.
78	George B. Forsaith.	Foreman	Machinist	196 Laurel St.
79	Louis N. Dufrain ..	Assistant Foreman.	Plumber.....	474 Central St.
82	John S. Avery	Clerk... ..	Janitor.....	404 Merrimack St.
81	Charles H. Rogers..	Driver.....	Teamster.....	Hose-house.
86	Frank F. Porter....	Hoseman	Manufacturer	479 Central St.
87	George H. Wheeler.	"	Machinist	410 Merrimack St.
84	Charles H. Colburn.	"	Carpenter	286 Laurel St.
85	William P. Emerson	"	"	286 Laurel St.
88	Lucien P. Nichols ..	"	Machinist	302 Laurel St.
89	Parker R. Brown...	"	Clerk	286 Laurel St.
83	James W. Lathe....	"	Machinist.....	302 Laurel St.
80	Warren F. Wheeler.	"	Blacksmith	410 Merrimack St.

EXCELSIOR HOOK AND LADDER COMPANY NO. 1.

House on Vine Street.

Badge No.	NAME.	Rank.	Occupation.	Residence.
90	Milo B. Wilson....	Foreman	Mason.....	542 Chestnut St.
91	Jerome J. Lovering	Assistant Foreman.	Carpenter.....	78 Merrimack St.
92	Oscar P. Stone....	Clerk.....	Meat & Fish dealer..	326 Granite St.
93	Winfield S. Leavitt.	Treasurer.....	Mechanic.....	939 Elm St.
94	Charles M. Denyou.	Driver.	Teamster.....	18 Vine St.
95	Warren Harvey....	Fireman.....	Contractor.....	474 Hanover St.
96	James Orrill.	"	Barber	60 Prospect St.
97	George E. Glines... .	"	Machinist.....	310 Central St.
98	John N. Chase.....	"	Overseer.....	276 Bridge St.
99	John Wilson.....	"	Carpenter.....	12 M. S. B.
100	Hiram P. Young... .	"	Slater.....	33 Dutton St.
101	George H. Dudley..	"	Carpenter.....	159 Laurel St.
102	Ed. A. G. Holmes..	"	"	224 Manchester St.
103	Luther J. Flint....	"	"	4 Dutton St.
104	Harrison H. Cole..	"	"	37 M. S. B.
105	Jesse B. Nourse....	"	"	Union cor.Appleton
106	Charles H. Cross... .	"	Overseer.....	8 Langdon Corp.
108	Dillwyn Breed.....	"	Belt-Maker.....	335 Chestnut St.
109	George M. Jones... .	"	Gardener	1068 Elm St.
110	Samuel F. Adams..	"	Expressman.....	295 Lowell St.
111	Roscoe Dyer.....	"	Machinist.....	45 W. Merrimack.
112	Sanborn T. Worthen	"	Carpenter.....	Corey's blk., Maple.
113	Ralph Pearsons....	"	Box-Maker.....	8 Laurel St.
114	George W. Rief ...	"	Carpenter..	East High St.
107	A. L. N. Robertson	"	"	493 Pine St.

INDEPENDENT HOSE COMPANY NO. 5.

House, corner Old Falls road and Main Street, Amoskeag.

NAME.	Rank.	Occupation.	Residence.
Charles E. Stearns ...	Foreman	Ax-Maker	Shoe Shop Blk. (A.)
Sherman L. Flanders.	Assistant Foreman...	Grocer.....	" Brick Store " (A.)
George L. Stearns....	Clerk.....	Clerk.....	Front St. (A.)
George I. Ayer	Steward.....	Electrician	Second St. (A.)
Tom W. Robinson....	Treasurer.....	Meat-Dealer	Front St. (A.)
D.Lafayette Robinson	Hoseman.....	"	Front St. (A.)
Frank W. Cheney....	"	Paper-Maker.....	98 Bridge St.
Arthur L. Beals	"	"	Mill St. (A.)
Alvah R. Mack.....	"	Teamster	Second St. (A.)
John Doherty.....	"	"	Mill St. (A.)
Elmer E. Pettengill..	"	Electrician	Second St. (A.)
Charles D. Fuller ...	"	Butcher.....	Goffstown road.
Thomas Hamilton....	"	Ax-Maker.....	Goffstown road.
Clarence H. Stearns..	"	Clerk.....	Front St.
George C. Harwood...	"	Teamster	Front St.
A. D. Maxwell.....	"	Ice-Dealer	Front St.
Will H. Maxwell....	"	Teamster	Front St.
Charles E. Stearns, 2d	"	Mechanic.....	Front St.
Andrew Yuill.....	"	"	Front St.
William F. Stearns ..	"	Shoemaker	Front St.

LOCATION OF HYDRANTS.

- Amherst, northwest corner of Vine street.
- Amherst, southwest corner of Chestnut street.
- Amherst, northwest corner of Pine street.
- Amherst, northwest corner of Union street.
- Amherst, northwest corner of Walnut street.
- Amherst, northwest corner of Beech street.
- Amherst, northwest corner of Maple street.
- Amherst, northwest corner of Lincoln street.
- Amherst, northwest corner of Ashland street.
- Amherst, northwest corner of Hall street.
- Amherst, northwest corner of Belmont street.
- Appleton, northwest corner of Elm street.
- Appleton, northwest corner of Chestnut street.
- Appleton, northwest corner of Pine street.
- Appleton, northwest corner of Union street.
- Arlington, northwest corner of Cross street.
- Arlington, northwest corner of Warren street.
- Arlington, northwest corner of Ashland street.
- Ash, front of No. 32.
- Auburn, corner of Franklin street.
- Auburn, northeast corner of Elm street.
- Auburn, front of No. 40.
- Auburn, northwest corner of Chestnut street.
- Auburn, northwest corner of Pine street.
- Auburn, northwest corner of Union street.
- Baker, corner of Elm street.
- Baker, corner of Calef road.
- Baker, corner of Nutt road.
- Bedford, northwest corner of Granite street.
- Bedford, near No. 36 M. P. W. corporation.
- Bedford, northwest corner of Central street.
- Beech, northwest corner of Park street.

- Beech, front of No. 584.
 Birch, northwest corner of Lowell street.
 Birch, northwest corner of Washington street.
 Blodget, front of primary school-house.
 Blodget, northwest corner of Chestnut street.
 Blodget, northwest corner of Pine street.
 Blodget, northwest corner of Union street.
 Bridge, front of No. 26.
 Bridge, northwest corner of Chestnut street.
 Bridge, northwest corner of Union street.
 Bridge, northwest corner of Walnut street.
 Bridge, northwest corner of Beech street.
 Bridge, northwest corner of Ash street.
 Bridge, northwest corner of Maple street.
 Bridge, near No. 242.
 Bridge, northwest corner of Russell street.
 Bridge, northwest corner of Linden street.
 Bridge, corner of Ashland street.
 Bridge, corner of Hall street.
 Brook, northwest corner of P. Adams's lot.
 Brook, northwest corner of Chestnut street.
 Brook, northwest corner of Pine street.
 Brook, northwest corner of Union street.
 Brook, northwest corner of Beech street.
 Calef road, near Patrick Harrington's.
 Canal, near east corner of Depot street.
 Canal, near office door of M. L. W.
 Cedar, front of No. 36.
 Cedar, northwest corner of Chestnut street.
 Cedar, northwest corner of Pine street.
 Cedar, northwest corner of Union street.
 Cedar, northwest corner of Beech street.
 Cedar, northwest corner of Maple street.
 Central, northwest corner of Chestnut street.

- Central, northwest corner of Pine street.
Central, northwest corner of Union street.
Central, near gate, Merrimack square.
Central, northwest corner of Beech street.
Central, northwest corner of Maple street.
Central, northwest corner of Lincoln street.
Central, front of No. 374.
Central, northwest corner of Wilson street.
Central, northwest corner of Hall street.
Chestnut, northwest corner of Lowell street.
Chestnut, opposite High street.
Chestnut, northwest corner of Pearl street.
Chestnut, northwest corner of Orange street.
Chestnut, northwest corner of Myrtle street.
Chestnut, northwest corner of Prospect street.
Clarke, corner of Elm street.
Concord, opposite Vine street.
Concord, northwest corner of Chestnut street.
Concord, northwest corner of Union street.
Concord, northwest corner of Walnut street.
Concord, northwest corner of Beech street.
Concord, northwest corner of Maple street.
Concord, northwest corner of old Amherst street.
Concord, northwest corner of Ashland street.
Concord, northwest corner of Hall street.
Concord, northwest corner of Belmont street.
Dean, northeast corner of Canal street.
Dean, northwest corner of Elm street.
Depot, northeast corner of Elm street.
Elm, front of Fisk bookstore.
Elm, northwest corner of Salmon street.
Elm, northwest corner of Cove street.
Franklin, opposite Middle street.
Gore, corner of Beech street.

- Granite, northeast corner of Canal street. .
 Granite, northwest corner of Elm street.
 Granite, near Franklin street.
 Granite, east end of Granite bridge.
 Grove, corner of Elm street.
 Hancock, northwest corner of River road.
 Hancock, near brewery.
 Hanover, front of Opera House.
 Hanover, northwest corner of Chestnut street.
 Hanover, northwest corner of Pine street.
 Hanover, northwest corner of Union street.
 Hanover, northwest corner of Beech street.
 Hanover, northwest corner of Maple street.
 Hanover, northwest corner of Lincoln street.
 Hanover, northwest corner of Ashland street.
 Hanover, northwest corner of Hall street.
 Hanover, northwest corner of Belmont street.
 Harrison, opposite No. 13.
 Harrison, northwest corner of Chestnut street.
 Harrison, northwest corner of Pine street.
 Harrison, northwest corner of Union street.
 Harrison, northwest corner of Beech street.
 High, corner of Ashland street.
 Hollis, northeast corner of Canal street.
 Hollis, northeast corner of Hobbs street.
 Hollis, northwest corner of Elm street.
 Kidder, northeast corner of Canal street.
 Kidder, northeast corner of Hobbs street.
 Kidder, northwest corner of Elm street.
 Kidder court, northwest corner of Elm street.
 Langdon, northwest corner of Elm street.
 Langdon, northeast corner of Canal street.
 Laurel, northwest corner of Pine street.
 Laurel, northwest corner of Union street.

- Laurel, northwest corner of Beech street.
 Laurel, northwest corner of Maple street.
 Laurel, northwest corner of Lincoln street.
 Laurel, near No. 244.
 Laurel, northwest corner of Wilson street.
 Laurel, near Belmont.
 Lowell, northwest corner of Beech street.
 Lowell, northwest corner of Ash street.
 Lowell, northwest corner of South street.
 Lowell, front of No. 276.
 Lowell, northwest corner of Wilson road.
 Lowell, northwest corner of Ashland street.
 Manchester, front of James Bros.' stable.
 Manchester, northwest corner of Central street.
 Manchester, northwest corner of Pine street.
 Manchester, northwest corner of Union street.
 Manchester, northwest corner of Beech street.
 Manchester, northwest corner of Maple street.
 Manchester, northwest corner of Lincoln street.
 Manchester, northwest corner of Wilson street.
 Manchester, northwest corner of Hall street.
 Manchester, northwest corner of Belmont street.
 Maple, northwest corner of Lowell street.
 Maple, front of No. 530.
 Market, near Canal street.
 Market, near second back street west of Elm street.
 Market, northwest corner of Elm street.
 Massabesic, northwest corner of old Falls road.
 Massabesic, southeast corner of Taylor street.
 Massabesic avenue.
 Massabesic, near Mammoth road.
 Mammoth road.
 Mechanics, northeast corner of Canal street.
 Mechanics, near second back street west of Elm street.

- Mechanics, northwest corner of Elm street.
 Merrimack, opposite gate, Merrimack square.
 Merrimack, northwest corner of Chestnut street.
 Merrimack, northwest corner of Pine street.
 Merrimack, northwest corner of Union street.
 Merrimack, northwest corner of Beech street.
 Merrimack, northwest corner of Maple street.
 Merrimack, northwest corner of Lincoln street.
 Merrimack, near No. 362.
 Merrimack, northwest corner of Wilson street.
 Merrimack, northwest corner of Hall street.
 Merrimack, near Belmont street.
 Middle, northeast corner of Canal street.
 Middle, near 67 Amoskeag corporation.
 Monroe, northwest corner of Elm street.
 Myrtle, opposite No. 33.
 Myrtle, northwest corner of Pine street.
 Myrtle, northwest corner of Union street.
 Myrtle, northwest corner of Walnut street.
 Myrtle, northwest corner of Beech street.
 Myrtle, northwest corner of Ash street.
 Myrtle, northwest corner of Maple street.
 Myrtle, northwest corner of Oak street.
 Myrtle, northwest corner of Russell street.
 North, northwest corner of Bay street.
 North, northwest corner of Pine street.
 Orange, opposite Clark's avenue.
 Orange, northwest corner of Pine street.
 Orange, northwest corner of Union street.
 Orange, northwest corner of Walnut street.
 Orange, northwest corner of Beech street.
 Orange, corner of Ash street.
 Orange, corner of Maple street.
 Orange, corner of Oak street.

- Orange, corner of Russell street.
 Park, near No. 36.
 Park, northwest corner of Chestnut street.
 Park, northwest corner of Union street.
 Park, northwest corner of Maple street.
 Park, northwest corner of Lincoln street.
 Park, northwest corner of Wilson street.
 Park, east end.
 Pearl, northwest corner of Clark's avenue.
 Pearl, northwest corner of Pine street.
 Pearl, northwest corner of Union street.
 Pearl, corner of Beech street.
 Pearl, corner of Walnut street.
 Pearl, northwest corner of Ash street.
 Pearl, northwest corner of Maple street.
 Pearl, northwest corner of Oak street.
 Pearl, northwest corner of Russell street.
 Pearl, northwest corner of Linden street.
 Pennacook, northwest corner of Chestnut street.
 Pennacook, northwest corner of Pine street.
 Pennacook, northwest corner of Union street.
 Pine, northwest corner of Park street.
 Pine, northwest corner of Hanover street.
 Pine, northwest corner of Concord street.
 Pine, northwest corner of Lowell street.
 Pine, northwest corner of High street.
 Pine, northwest corner of Bridge street.
 Pleasant, northeast corner of Canal street.
 Pleasant, near 35 Manchester corporation.
 Pleasant, northwest corner of Franklin street.
 Pleasant, northwest corner of Elm street.
 Prospect, between Elm and Chestnut streets.
 Prospect, northwest corner of Pine street.
 Prospect, northwest corner of Union street.

- Prospect, northwest corner of Beech street.
 Prospect, northwest corner of Ash street.
 Prospect, northwest corner of Maple street.
 Prospect, northwest corner of Oak street.
 Prospect, northwest corner of Russell street.
 River road, north of Webster street.
 River road, near Mrs. John Kelley's.
 River road, near J. Otis Clark's.
 Shasta, corner of Elm street.
 Shasta, corner of Beech street.
 Spring, northeast corner of Canal street.
 Spring, northwest corner of Charles street.
 Spring, northwest corner of Elm street.
 Spruce, northwest corner of Chestnut street.
 Spruce, northwest corner of Pine back street.
 Spruce, northwest corner of Union street.
 Spruce, northwest corner of Beech street.
 Spruce, northwest corner of Maple street.
 Spruce, northwest corner of Lincoln street.
 Spruce, between Chestnut and Elm streets.
 Stark, northeast corner of Canal street.
 Stark, near 13 Stark corporation.
 Stark, northwest corner of Elm street.
 State, northwest corner of Granite street.
 State, opposite 57 Manchester corporation.
 State, opposite 13 Manchester corporation.
 State, corner of West Central street.
 Summer, corner of Elm street.
 Union, northwest corner of Lowell street.
 Union, northwest corner of High street.
 Valley, corner of Elm street.
 Valley, corner of Willow street.
 Valley, corner of Beech street.
 Valley, corner of Wilson street.

- Valley, corner of Belmont street.
 Walnut, northwest corner of Lowell street.
 Walnut, opposite No. 79.
 Water, near 38 Amoskeag corporation.
 Water, northwest corner of Elm street.
 Webster, northwest corner of Chestnut street.
 Webster, northwest corner of Elm street.
 Webster, corner of Adams street.
 Webster, northwest corner of Union street.
 Webster, northeast corner of River road.
 West Auburn, northeast corner of Canal street.
 West Bridge, northeast corner of Canal street.
 West Bridge, northeast corner of Hobbs street.
 West Bridge, northwest corner of Elm street.
 West Brook, northeast corner of Canal street.
 West Brook, northwest corner of Elm street.
 West Cedar, northeast corner of Canal street.
 West Cedar, northwest corner of Elm street.
 West Central, northeast corner of Canal street.
 West Central, northwest corner of Elm street.
 West Merrimack, northeast corner of Canal street.
 West Merrimack, near 111 Amoskeag corporation.
 West Merrimack, northwest corner of Franklin street.
 West Merrimack, northwest corner of Elm street.
 West Pennacook, northwest corner of Elm street.
 Wilson, corner of Park street.
 Young, corner of Elm street.

PISCATAQUOG.

- A, corner of South Main street.
 Adams, corner of Main street.
 Bath, corner of Shirley street.
 Bennington, corner of Main street.
 Bedford road, near Huntress's.

Bowman street, opposite cemetery.
 C street, corner of Bedford road.
 Clinton, corner of Dover street.
 Clinton, corner of South Main street.
 School, corner of South Main street.
 School, opposite school-house.
 School, corner River street.
 Douglas, corner of Quincy street.
 Douglas, corner of Green street.
 Douglas, corner of Barr street.
 Douglas, corner of West street.
 Douglas, corner of Main street.
 Douglas, east of Main street.
 Ferry, corner of Main street.
 Granite, corner of Quincy street.
 Granite, corner of Green street.
 Granite, corner of Barr street.
 Granite, corner of West street.
 Granite, corner of Dover street.
 Granite, corner of Main street.
 Granite, corner of Shirley street.
 Granite, corner of River street.
 Main, opposite the Rice house.
 Marion, corner of McGregor street.
 Mast, corner of South Main street.
 Mast, corner of Bowman street.
 Mast, between Bowman and South Main streets.
 Mast, opposite J. C. Smith's house.
 Mast, near J. P. Brock's.
 Mast, near J. N. Prescott's.
 McGregor, near Johnson block.
 McGregor, opposite "Reed" house.
 Milford, southwest corner of South Main street.
 Milford, southeast corner of Bowman street.

Milford, corner of old Bedford road.
 Patten, corner of Ferry street.
 Putnam, corner of Main street.
 Putnam, corner of Beauport street.
 Shirley, northwest corner of Walker street.
 Shirley, southwest corner of Ferry street.
 Sullivan, corner of Main street.
 Temple, corner of Main street.
 Walker, corner of River road.
 Walker, corner of Patten street.
 Walker, corner of Parker street.
 Walker, near corner of South Main street.
 Wayne, near corner of Main street.
 Wayne, near corner of Beauport street.
 Winter, corner of South Main street.

AMOSKEAG.

Goffstown road.
 Goffstown road.
 Main, at Robinson's slaughter-works.
 Main, near brick school-house.
 Main, corner of Goffstown road.
 Main, opposite John E. Stearns's.
 Main, near Hiram Stearns's.
 Mill, near paper-mill.
 Mill, corner of Main street.
 Varnum, corner of Main street.

In addition to the above, there are four private hydrants that are available in case of need : —

One at P. C. Cheney Co.'s paper-mill.
 One at S. C. Forsaith & Co.'s machine-shop.
 One at J. Hodge's wood-working establishment.
 One at A. H. Lowell's iron foundry.

Making 371 in all.

REPORT
OF THE
SCHOOL COMMITTEE.

SCHOOL DEPARTMENT.

ORGANIZATION FOR 1884.

SCHOOL COMMITTEE.

HORACE B. Putnam, Mayor, *ex-officio* Chairman.

JOHN A. McCRILLIS,

President of the Common Council, *ex officio*.

Ward 1. — *Frank T. E. Richardson,
Perry H. Dow.

Ward 2. — Benjamin C. Dean,
William C. Clarke.

Ward 3. — Henry H. Huse,
Nathan P. Hunt.

Ward 4. — John T. Fanning,
Samuel D. Lord.

Ward 5. — Charles A. O'Connor,
Thomas F. Collins.

Ward 6. — D. Milton Goodwin,
Jacob J. Abbott.

Ward 7. — George D. Towne,
Edwin F. Jones.

Ward 8. — Louis E. Phelps,
Douglas Mitchell.

PRESIDENT OF THE BOARD.

HENRY H. HUSE.

*Resigned March, 1884, and C. H. Manning elected in April as member from Ward 1.

CLERK OF SCHOOL COMMITTEE.

* FRANK T. E. RICHARDSON.

SUPERINTENDENT OF PUBLIC INSTRUCTION.

WILLIAM E. BUCK.

TRUANT OFFICER.

HORATIO W. LONGA.

STANDING COMMITTEES.

Finance. — The Mayor, Messrs. Lord, McCrillis, Fanning, Jones.

Salaries. — Messrs. Phelps, Huse, Goodwin.

Repairs, Furniture, and Supplies. — Messrs. Dow, Fanning, Goodwin.

Text-Books, Apparatus, and Studies. — Messrs. Dean, Hunt, Clarke.

Drawing. — Messrs. Dow, Fanning, Mitchell.

Music. — Messrs. Lord, Huse, Manning.

Fuel and Heating. — Mr. Huse, the Mayor, Messrs. Abbott, Phelps, McCrillis.

Examination of Teachers. — Messrs. Hunt, Dean, Clarke.

Attendance. — Messrs. Mitchell, Collins, Towne.

Sanitary. — Messrs. Towne, O'Connor, Jones.

SUB-COMMITTEES.

High School. — Messrs. Fanning, Dean, Hunt, O'Connor, Huse.

Ash and Bridge Streets. — Messrs. Dean, Hunt, Clarke.

Lincoln Street. — Messrs. Fanning, Goodwin, Lord.

Spring Street. — Messrs. Manning, Jones, Dow.

Franklin Street. — Messrs. Towne, Collins, Abbott.

* Resigned March, 1884, and Edwin F. Jones elected March 7, as clerk.

Lowell Street. — Messrs. Lord, Jones, Abbott.

Manchester Street. — Messrs. O'Connor, Manning, Huse.

Training School (Merrimack Street) and Wilson Hill. — Messrs. Hunt, Huse, Phelps.

Beech Street. — Messrs. Collins, Mitchell, Manning.

Piscataquog Grammar. — Messrs. Phelps, Mitchell, Dean.

Center and South-Main Streets. — Messrs. Mitchell, Phelps, Dow.

Webster Street, Blodget Street, Amoskeag, and Stark District. — Messrs. Clarke, Jones, Lord.

Bakersville and Hallsville. — Messrs. Dow, Abbott, O'Connor.

Goffe's Falls and Harvey District. — Messrs. Goodwin, Towne, O'Connor.

Mosquito Pond, Webster's Mills, and Youngsville. — Messrs. Abbott, Goodwin, Towne.

Evening Schools. — Messrs. Jones, Clarke, Collins.

IN BOARD OF SCHOOL COMMITTEE,
January 2, 1885.

The Superintendent read his annual report to the committee, and it was accepted.

Charles H. Manning read the annual report prepared by him at the request of the Board.

Voted, That the report be accepted, and adopted as the report of the Board, and that it be transmitted to the City Councils, together with the report of the Superintendent.

EDWIN F. JONES, *Clerk*.

REPORT
OF THE
SCHOOL COMMITTEE.

To the City Councils:—

GENTLEMEN, — The School Committee would respectfully tender the following report for the year ending December 31, 1884: —

The past school year has been marked by few changes in the schools, which for the most part have kept on the even tenor of their way, each school doing well the part assigned in the education and elevation of the children of our city.

The first change of importance was late in the spring term, when on account of your decision to use the Manchester-street school-house for other purposes, the two primary schools were transferred to the Lowell-street house, and one has since been discontinued.

Owing to the rapid increase of population in West Manchester, when the fall term opened the school accommodation proved insufficient, and after providing for as many as possible by opening a new school in the attic of the South-Main-street house, it was found necessary to send quite a number of the pupils across to the Franklin-street school. When the new rooms at the Main-street house are completed, it is proposed to transfer the school from the attic of the South-Main-street house. Should

the growth of that part of the city continue as rapid as for the last two years, the building of a new house will soon be imperative.

At the same time, the beginning of the fall term, a new school was opened in the Webster-street house, to accommodate the increased number of pupils in that part of the city.

From February to July there was a temporary school in the third story of the Ash-street house, to accommodate a number of the pupils of the first division, for whom there was no room down stairs. During the spring term there was a temporary school at Wilson Hill.

No accident, fire, or epidemic has occurred during the year to interfere with the regular school routine. The primary grades were closed several times on account of inclement weather, it being considered imprudent to expose the small children at such times.

The school calendar for 1884 was as follows:—

Winter term, 11 weeks, January 7 to March 21. Vacation, 3 weeks, March 21 to April 14.

Spring term, 11 weeks, April 14 to June 27. Vacation, 11 weeks, June 27 to September 15.

Fall term, 14 weeks, September 15 to December 19. Vacation, 2 weeks, December 19 to January 5, 1885.

With the exception of the gradual change to the new course of study in the High School, the courses and methods pursued have been substantially the same as before.

TRAINING SCHOOL.

The work of this school, though of necessity somewhat interrupted during the year by change of principals, has maintained its usual excellence, and no one who gives

the system pursued a careful and candid examination can be otherwise than impressed with its utility. The fact of a person having graduated with even the highest distinction from our High School, does not imply capacity for governing or for imparting knowledge to others. The purpose of the Training School, then, is, as its name implies, to instruct in methods of instruction and school government, and the work of its ex-members and graduates in our schools is sufficient proof for any one of the utility of the school.

As a supply for substitute teachers, it is of great assistance both to the superintendent and the sub-committees of the various schools, who, without this source to draw on in cases of emergency, would sometimes have to dismiss a school for a day or more.

GRADED SCHOOLS.

There have been some changes of teachers in these schools during the year, the full details of which will be given in the report of the Superintendent.

The chief cause of regret is the loss of the very efficient principal of the Ash-street school, who for the short time he was at the head of this school had fully sustained the reputation established as the principal of the Franklin-street school.

In these schools the average number of pupils to each teacher is about forty, and as the actual time allotted to recitations is little over four hours per diem, the time the teacher can devote to each pupil is about six minutes per day, and when this is divided by at least three studies, it leaves two minutes per pupil per study. The tendency of this is to change what should be an instructor into a mere hearer of recitations, for it is evident there is not time for both methods or a fair combination of both. If

recitation is put aside for instruction, the bright, attentive, and interested pupils benefit by it, while the inattentive and indolent suffer accordingly. It should be put within our power to reduce the number of pupils per teacher by increasing the number of the latter.

HIGH SCHOOL.

In this school the new course of studies is now in good working order, with very gratifying results, and we think with decided benefit to the school, taken as a whole.

The general tendency of high schools is to sacrifice other things in favor of fitting a few to enter college; and while such as elect a college course should have every facility, it is our intention that the school shall be conducted for the good of the greatest number. The subcommittee of the school were unsuccessful in their attempts during the summer to secure for it a fit permanent principal. Under the circumstances, it was deemed best to employ Mr. T. D. Adams as a temporary principal. This arrangement has continued through the fall term, but the school will be opened for the winter term under the principalship of Mr. E. R. Goodwin, and in his charge we expect the school to be second to none.

EVENING SCHOOLS.

The regular evening schools at the Spring-street and Center (W. M.) street buildings have been continued. The term which began in October, 1883, was continued till the first of April, and the fall term began November 10. The schools have been well attended, and form a very valuable department in our school system. They reach a class of the community which the other schools cannot assist, and they merit even more attention and encouragement than they have received in the past. The

pupils are mainly of foreign birth, some of the older ones being well educated in their own languages, and their desire is principally to become acquainted with the English language. The branches taught, therefore, are necessarily of a rudimentary nature. Reading, writing, spelling, and arithmetic constitute the principal studies; but in both schools there are classes in history, grammar, and geography.

The scholars are all of the working class, most of them being employed in the mills, and attend the schools for the sole purpose of improving themselves, and their work is, naturally, earnest and sincere. The results are good, and compare most favorably with the progress made in the day schools. The teachers have nearly all taught for a series of terms, and are to be credited with efficient and faithful service. With these schools in session, there is no excuse for any portion of our people to remain unable to both read and write the English language readily.

Spring-Street School.

The greatest number of teachers employed at one time was 10; the average number of teachers, 6. The whole number of pupils attending one week or more, 149; average attendance through the year, 55. Males constitute 66 per cent; females, 34 per cent. The average age, — males, 20; females, 17. Nationalities, — Irish, 41 per cent; French, 30 per cent; Swedes, 20 per cent; Germans, 6 per cent; and Americans, 3 per cent.

Center-Street School.

The greatest number of teachers employed was 6; the average number, 4. The greatest number of pupils attending one week or more, 101; the average attendance through the year, 40. Males constitute 60 per cent;

females, 40 per cent. The average age of males, 20; of females, 18. Nationalities,—Americans, 26 per cent; Germans, 23 per cent; French, 20 per cent; Irish, 26 per cent; Scotch, 5 per cent.

Total expenses for the year, \$1,252.38.

Owing to the character of the branches taught, and the shortness of the sessions, the number of pupils for whom one teacher is sufficient is quite small, but it is found by experience that the average number is about nine, as will be seen from the above statistics.

PUBLIC EXERCISES.

On Thursday evening, January 31, the fifth annual elocutionary contest for the Clarke prizes took place at Smyth's Hall. Ex.-Gov. Benjamin F. Prescott, of Epping, Mrs. Isaac N. Blodgett, of Franklin, Hon. Chester B. Jordan, of Lancaster, Mrs. Sarah Neal Harris, of Concord, and Hon. Thomas Cogswell, of Gilmanton, kindly acted as a board of judges. The prizes were eight in number, amounting to \$60, the first four, given in order of merit, being respectively \$13, \$11, \$9, and \$7, with four equal prizes of \$5 each, one to the best in each school exclusive of those receiving one of the first four prizes. The entire program was very well executed, and reflected much credit, not only on the speakers, but on their trainers. The first four prizes were awarded in the following order: Tom Eames Morse, third division Ash-street Grammar School; Minnie E. Littlefield, High School; Blanche C. Sargent, Lincoln-street Grammar School; George M. Goodwin, Lincoln-street Grammar School.

The four equal prizes were won by Thomas C. Baldwin, High School; Mamie J. Walsh, Franklin-street school; Bertha Tower, Ash-street school; and Nat. W. Colby, Lincoln-street school.

The receipts from these five contests have created a fund, the income of which, as originally planned by Mr. John B. Clarke, the founder, is now sufficient to pay the prizes, and he suggests that the income from future contests be used to supply the school with text-books on elocution and other works kindred to the general object.

About the 22d of February public exercises in reading and declamation were held at all the grammar schools, and were well attended by the parents and friends of the pupils, who as a general thing take by far too little interest in what their children are doing at school.

The graduating exercises at the High School on June 27 were of a very simple character, consisting of recitation in the branches pursued by the graduating class, opportunity being given any one present to ask questions, after which the diplomas were presented with a few well chosen words by the chairman of the sub-committee, Mr. H. H. Huse.

SCHOOL ACCOMMODATION.

The twenty-five school buildings now in use will, on the completion of the new wing of the Main-street house, afford ample accommodation.

The average number of teachers employed has been seventy-two, and the attendance, as shown by the following table, a slight improvement on that of last year, both as to average number and percentage of daily attendance.

SCHOOLS.	Whole Number of different pupils.		Average No. Belonging.	Average Daily Attendance.	Per cent of Daily Attendance.
	Boys.	Girls.			
High.....	65	107	162	156	96.6
Grammar.....	329	372	645	607	94.1
Middle.....	335	349	572	522	91.3
Primary.....	1,029	997	1,312	1,200	91.4
Suburban.....	166	169	241	215	89.2
Totals (for 1884).....	1,924	1,994	2,872	2,645	92.1
Totals (for 1883)....	2,061	2,001	2,848	2,612	91.4

There are enrolled in the parochial and private schools in the city about three thousand pupils, or about three-sevenths of the school population.

TRUANCY.

The following table gives the results of the work of the truant officer for the year : —

		City Schools.	Parochial Schools.
Absentees reported from.....	.....	234	173
Number voluntarily returned to. ....	.....	51	40
Number reported caused to attend.....	.....	106	82
Number found sick and unable to attend school....	55	.....	.....
Number otherwise unavoidably detained.....	39	.....	.....
Number not found at all.....	.....	15	3
Number unaccounted for	15	.....	.....
Truants not enrolled found on street	130	.....	.....
Number of truants caused to attend .....	.....	87	172
No. of school age found on street during school hours	532	.....	.....
Number of parents visited.....	932	.....	.....
Number of truants temporarily confined at city hall	16	.....	.....
Number of employment certificates granted.....	501	.....	.....
Number brought before the court.....	3	.....	.....
Number fined .....	.....	.....	.....
Number sent to reformatory school.....	3	.....	.....
Number applying for certificates who could not read in any language	40	.....	.....

Of the last number, twenty-eight were French or of French parentage, and their average age thirteen and a half years, the remaining twelve being of Irish and American parentage, and their average age thirteen years.

REPAIRS.

At all the school-houses, during the summer vacation, the interior walls were whitewashed or tinted, the furniture was put in thorough repair, and in most of the

houses it was seraped and varnished, and in several of the larger houses the inside blinds were painted or varnished. A floor was laid in the north half of the basement of the Franklin-street house. All the blackboards were put in thorough order, and such repairs and changes in the heating apparatus as were considered necessary were made. At the opening of the fall term it was a matter of general remark that the school-houses had never presented a neater and more cheerful appearance.

The other members of the sub-committee on repairs being out of town most of the summer on private business, the whole of this work devolved on Mr. Dow, and much credit is due him for the energy and discretion displayed.

During the coming summer vacation the basement of the Spring-street house should be arranged similarly to those of the other houses, to serve as a play-room at recess for the pupils during stormy and inclement weather. The exterior wood-work of the high school and Franklin-street houses should be painted, and several new fences built.

FINANCES.

The income for the year 1884 has been : —

Appropriations by city councils	\$54,000 00
Balance of appropriations for 1883	1,088 68
Returned from overdraft for fuel and heating	1 92
Balance of tuition account for 1883	34 88
From tuition of non-resident pupils for 1884	199 75
	<hr/>
	\$55,325 23
Expenditures for the year 1884	53,477 10
	<hr/>
Balance on hand	\$1,848 13

The sub-division of the funds for 1884 is as follows : —

	Available from ap- propriation and tuition, 1884.	Balance from appro- priation and tu- ition, 1883.	Total and available.	Amount expended.	Balance on hand.	Amount of deficit.
Salaries of teachers.....	\$38,954.00	\$111.24	\$39,065.24	\$39,592.42	.....	\$527.18
Books and stationery.....	340.85	56.42	397.27	396.86	\$0.41	.....
Care of rooms.....	2,921.55	17.62	2,939.17	3,019.16	.....	77.99
Contingent expenses.....	1,217.23	164.06	1,381.38	985.36	396.02	.....
Fuel.....	3,311.09	*162.71	3,473.80	1,844.00	1,629.80	.....
Furniture and supplies ...	1,266.01	242.04	1,508.05	1,508.01	.04	.....
Printing and advertising..	633.00	147.08	780.08	450.78	329.30	.....
Repairs.....	3,895.40	153.55	4,048.95	4,270.79	.....	221.84
Evening schools.....	1,460.78	35.88	1,496.66	1,252.38	244.28	.....
Tuition.....	199.75	34.88	234.63	157.34	77.29	.....
	\$54,199.65	\$1,125.48	\$55,325.23	\$53,477.10	\$2,677.14	\$829.01

* Including \$1.92 returned from an overdraft in 1883.

Amount of sundry balances	\$2,677 14
Amount of sundry deficits	829 01
Net balance on hand	\$1,848 13

It has been customary heretofore to get your authority to transfer from one appropriation to another, so as to remove the deficiencies; but as you have held no meeting the latter part of this month, we were unable to obtain such authority.

If from the total expenditure of \$53,477.10, the amount received from the state literary fund, \$2,386.72, and the amount received from tuition of non-resident pupils, \$199.75, be deducted, there remains the net sum of \$50,890.63 as the cost of the schools to the tax-payers of the city.

The annexed table gives the statistics on this subject for the last fourteen years : —

ANNUAL STATISTICS OF COST OF PUBLIC SCHOOLS.

DATE.	Average No. pupils	Cost of Schools.	Cost per Scholar.	City Valuation.	City Tax.	School tax
1870.....	2129	\$42,000	\$19.45	\$10,710,252	\$234,047	\$.0041
1871.....	2080	42,900	20.62	11,365,162	236,632	.0037
1872.....	2278	47,900	21.03	11,542,632	259,196	.0041
1873.....	2450	47,300	19.34	12,001,200	300,768	.0039
1874.....	2463	47,500	19.28	12,716,892	312,835	.0037
1875.....	2501	51,800	20.71	14,195,102	315,131	.0036
1876.....	2543	50,100	19.70	15,309,348	248,900	.0032
1877.....	2513	47,900	18.78	15,605,718	246,573	.0030
1878.....	2571	44,900	17.46	15,912,234	276,873	.0028
1879.....	2859	46,200	15.71	17,482,132	264,406	.0026
1880.....	2970	48,945	16.49	17,825,116	264,491	.0027
1881.....	2858	50,729	17.70	17,943,308	316,462	.0026
1882.....	2957	51,604	17.45	19,175,408	312,673	.0026
1883.....	2848	53,525	18.79	20,055,986	332,741	.0026
1884.....	2872	53,477	18.62	20,613,032	360,732	.0024

The estimate of school expenses for 1885 are as follows :

Teachers' salaries	\$41,000 00
Books and stationery	300 00
Care of rooms	3,200 00
Contingent expenses	800 00
Fuel	3,500 00
Furniture and supplies	800 00
Printing and advertising	500 00
Repairs	3,500 00
Evening schools	1,400 00
	\$55,000 00

In conclusion we would say, that we feel we leave the schools at this, the close of our term of office, in excellent condition. A bright, intelligent set of pupils, led by an interested and highly educated corps of teachers, who in turn are supervised by an energetic, capable, and painstaking superintendent, make our public schools one of the chief ornaments of our city.

CHARLES H. MANNING,
For the Committee.

SUPERINTENDENT'S REPORT.

To the School Committee of Manchester : —

GENTLEMEN, — In accordance with your rules, requiring an annual report from the Superintendent of Public Instruction, I herewith respectfully submit the following as my eighth report, the same being for the year 1884, and the twenty-ninth of its series : —

ORGANIZATION.

During the past year five teachers have been employed in the High School. There has been an average of sixteen grammar-school divisions, fourteen middle schools, thirty-one primary, and nine ungraded suburban. This is equivalent to seventy-five distinct schools of a single room each ; but the average number of regular teachers necessary, and employed, has been only seventy-two, because the principal of the Training School has charge of the four rooms constituting that school. The whole number of different teachers employed, however, has been seventy-eight.

ELEMENTARY SCHOOLS.

The elementary schools comprise all grades below that of the High School. It is in these schools that a "common-school" education is afforded the future citizen ; and by as much as they succeed or fail in providing and enforcing a training that will enable the rising genera-

tion successfully to battle with the vicissitudes of life, to comprehend the nature of our government, and become law-abiding and useful men in the state, by that much will the common schools be justly pronounced a success or a failure.

Our elementary schools constitute no ignoble part of the great system of public instruction which the state designs to furnish every one of her children; and stoical indeed must be the heart of him who can frequently visit these schools and not feel inspired properly to provide for, and effectually to promote, the interests of the assembled hosts, who with beaming countenances, active brains, and nimble fingers gladly respond, in general, to the directive power of the competent and skillful teacher. Nor can such a visitor fail to admire the magnificent results attained under such a teacher. Would that all teachers were as good as the best! Let us not, however, bemoan the impossible, but congratulate ourselves, the rather, that we have so many teachers who are good.

More than half of the entire enrollment of pupils, about fifty-two per cent of it, has been made in the primary schools alone; seventeen per cent of it in the middle schools, eighteen per cent of it in the grammar schools, nine per cent of it in the suburban schools, and four per cent of it in the High School.

I have felt, as superintendent, and, in the absence of any specific instructions to the contrary I have tried so to order my work, that I should exercise the greater part of my labor and efforts for the "greatest good of the greatest number;" and the more especially have I felt that I should do this, since the "greatest number" exists where should be laid a foundation upon which it will be possible to erect an educational monument. Nevertheless, I have given other grades than the primary a larger share

of my time than usual; and by reason of changes in its course of study, and a change in its mastership, I have given proportionally a still greater amount of my attention to the interests of the High School.

The elementary schools, as a whole, may be said to be in excellent condition. Slight modifications in the treatment of reading and spelling, I think, can be wisely made in the primary schools; and in those classes studying written arithmetic I recommend the introduction of a distinctive "Mental Arithmetic."

Pupils in all such classes need much more *practice* in the fundamental operations with numbers; and in applied problems the pupil can frequently be led to the discovery of the principles underlying a proper solution, if the principles involved are not made obscure to him by the use of numbers so large that they distract his reasoning faculties. Hence the mental arithmetic is often of great utility in preparing a class for entering upon the study of subjects embracing new principles. The book last used for this purpose did not prove satisfactory; partly because it was not sufficiently extended, and partly because the order distributing its parts for use in the schools was made with too little regard to the character of the subjects assigned the different grades. There has lately been published, however, a mental arithmetic, edited by the authors of the written arithmetic now here in use, which, I feel, would admirably meet the needs of our schools; and I recommend its adoption.

I hold the opinion that the best use of a mental arithmetic can be attained by the chief study of it at times of recitation. Pupils usually waste the greater part of the time allowed for the preparation of lessons in this study. The easier problems they do not actually think out to a proper conclusion, but depend upon their ability

to solve them readily enough at recitation. The problems whose solutions are so difficult that they are unsatisfied with the results obtained, they soon pass over and forget, in the hope that some classmate will be privileged to tackle them at recitation. My observation is, that, as a rule, not more than one-third of a class properly prepares the whole of an assigned lesson in mental arithmetic. I would, therefore, have this study considerably varied, to awaken and hold the interest, and the work in it chiefly performed at the time of recitation, an exceptional course being pursued only with the more advanced classes.

From recent conferences with teachers, my understanding is that they are substantially agreed with me in regard to the desirability of introducing a special book for use in oral arithmetical exercises, and arithmetic at sight, and that they concur in the belief that such a use of the mental arithmetic as I have delineated to them can be made once a week, not only without material reduction in the amount that should be performed in the written arithmetic but with much advantage to the study of *arithmetic*, considered in its entirety.

I therefore trust the committee may soon favorably consider my recommendation, and largely leave the use of the book *allowed for the purpose of affording oral arithmetical exercises in the elementary schools* to the discretion of the superintendent, in order that it may be introduced in a way that shall be workable by classes that have not had enough of such special drill, and that it may be finally assigned as best adapted to the various grades in which it should be used.

THE HIGH SCHOOL.

The status of the High School is a matter of deep concern to all our citizens; and justly so, for the efficiency

of any system of public schools is largely dependent upon the character of its high school. The whole system culminates in the high school, the establishment of which in various places has over and over again proved the one thing needful to uplift and afford the proper inspiration to all the lower grades. Its influence is reflex. The Secretary of the National Educational League of England says: —

“Experience has proved that elementary education flourishes most where the provision for higher education is most ample. If the elementary schools of Germany are the best in the world, it is owing in a great measure to the fact that the higher schools are accessible to all classes. In England not only have the aims of the elementary classes been low and narrow, but an impassable gulf has separated the people’s schools from the higher schools of the country. In the United States the common schools have always produced the best results where the means of higher education have been most plentiful. Educational improvement works from the top downward, and not from the bottom upward; and the common school is always feeble where high schools, academies, and colleges are wanting.”

The influence of our High School upon all other grades is greatly intensified by the fact that for years a large majority of their teachers have been selected from the graduates of the High School. Of the seventy-eight different teachers employed in the public schools the past year, fifty-one are graduates of our city High School. “*As is the teacher, so is the school.*” Now it goes without saying that these fifty-one teachers had chiefly developed by their course of high-school instruction that broader training which has proved the principal source of both that

technical knowledge and that psychological development which have been the chief elements of their success in teaching. The High School, then, is exerting the most potent of all influences upon the lower grades, for it has been impliedly shown that "as a center of interest and influence it stimulates in them a healthful ambition for *thoroughness* as the condition of admission and promotion;" and by actual count it appears that a large majority of the elementary schools are being directly taught by the graduates of the High School.

Permit me to quote the earnest words of two distinguished educators in regard to the utility of the public high school considered merely with reference to its own peculiar work:—

"The high school accomplishes a most important work in *discovering and developing* what otherwise would continue latent talent. A scholar does not really know what is in him, what he can be, till he reaches the harder studies and sharper rivalry of the high school. Many a bright but honest and discouraged boy has been made conscious of his powers, and the assurance that he *can do* has become the parent of the purpose that he *will do*. Many gifted minds thus roused to higher life ultimately fill positions of great usefulness whose talents would otherwise have been buried in obscurity. Those who have risen to be the benefactors of the race have come as often from humble cottages as from princely palaces. Indeed, history proves that from the industrious classes has arisen by far the greatest part of the energy, talent, and genius that has enriched the world. Says Dr. Leonard Bacon, 'It is for the interest of the state that no talent which God gives to any child should be lost. If a poor boy, the child of a dependent widow, or an unfortunate immigrant, has any extraordinary talent which being developed

would add to the wealth and welfare of the state, and if that talent, for want of opportunity to discover itself, is lost, like a gem in the unfathomed caves of ocean, the state is the loser.'

"The wealth of a state consists of its *men*, in its treasures of *mind*. True men are worth more to it than money. The man who rears a large family of well trained children renders a greater service to the state than the millionaire who leaves untold wealth to unknown heirs. No city can afford to be without a high school. Liberal and wise expenditures for education always prove profitable investments. It has been well said, 'Taxes raised for purposes of education are like vapors which rise, only to descend again in fertilizing showers, to bless and beautify the land.' Though apparently the work of to-day, the high school is really laying the foundations of the social fabric for coming generations.

"However close the sympathies of high schools may be with colleges, their sympathies should be still closer with the general public, for the great majority of their scholars are preparing, not for college, but practical callings upon which they will enter on leaving the high school. There should therefore be provided two courses of study, — one full and complete for those who evince the fit taste and talent therefor, and another designed for those who can take but a partial course.

"It is a serious mistake to encourage all in these schools to study Latin or Greek. So far from disparaging classical culture, I hold that there is no substitute for it in a *full* course of study. But with the certainty of premature graduation of the majority who enter high schools, I strongly condemn the practice of merely beginning the ancient classics or any modern language, when the pupils' circumstances and settled plans permit only so brief con-

tinuance in school that this smattering of a new language is gained at the expense of more essential and practical learning. This common error is due to the ambition both of scholars and teachers, the one aspiring prematurely to pursue high-sounding studies, and the other eager to swell their classes in the classics, as if the reputation of their schools was to be measured by the number of their students in Latin and Greek. Sometimes a graduate fresh from college, well up in the classics, eloquent on the advantages of their study and ambitious to be a classical teacher, makes a whole school giddy with dreams of Latin lore." — *B. G. Northrop, when Secretary of Connecticut State Board of Education.*

"Our systems of education not only do not overeducate the children of the people, but they scarcely equal the most urgent demands of society. Every day it happens that society suffers by the incompetence of persons in places of directive power; every day it suffers by reason of the inability of the human laborer to readjust himself to the rapidly moving tide of productive industry that makes his vocation no longer needed. More general culture — the elevation of all minds to the plane of generalization, of thinking-activity instead of mere imagination and conventional opining — is what is required.

"The demand for educated directive power is on the increase, by reason of the fact that machinery is taking the place of mere hand-labor; and as a result, a grade of intelligence is necessary that can understand and manage complicated labor-saving contrivances.

"If a town sends its own native-born youth into the subordinate positions, and hires at a higher rate of wages the directive skill which is needed to lay out and supervise their work, it will find itself obliged to pay a much

higher sum for the supervisory work than would suffice to train its own population for the purpose." — *W. T. Harris, when Superintendent of Schools at St. Louis.*

There are several reasons why the High School should be made as efficient as possible. The highest standard of attainment is demanded: first, because of the very existence of the school at considerable cost of money, and at a still more valuable expenditure of an immense number of the precious hours of youth; second, because of the broad and correct training that it should afford its members, whereby they may be induced to carry into their chosen life-work those characteristics of thought, investigation, and intelligent action, which, actuated by pure and high motives, evolve the highest type of manhood; and third, because of the character and extent of its influence upon the other schools of the city, and its equally important influence upon the moral training and character of its individual graduates who so soon enter upon the active duties of pronounced citizenship.

You made a commendable beginning in an effort to improve the High School when last year you entered upon a revision of its course of study.

I do not undervalue the study of Latin. I regard it as the strongest of languages, its grammar the most scientific and exact; and, indeed, I believe the study of it might be commenced with profit at a much earlier age than usual. For teaching the *principles of grammar* I think the study of Latin unsurpassed; and, in the hands of a competent and skillful teacher, the Latin might properly be the first grammar taught, while the material which the Latin language affords could be wisely used in the continued teaching of the *use of English*, through written translations of Latin. Such a combined method of early teach-

ing the principles of grammar and the use of our mother tongue would require at least five or six years; but for pupils trained in the use of English through the nine years' course of our elementary schools, it would seem that a three years' course in Latin should be sufficient, except for those intending to take a college course. Three years are certainly sufficient time for pupils of high-school age to acquire a good knowledge of the structure of the Latin language, time enough for securing the advantages of the discipline of the drill in its study, which if continued would be of but little advantage to those not designing to take a college course, and all the time necessary for those who would make Latin available as a means for a better understanding of English.

I therefore feel that by the revised outline of high-school work you have made its classical course more sensible by limiting the study of Latin to a period of three years. More time is thus made available for the study of standard English authors and the sciences by pupils who choose the classical course.

The college preparatory course is mainly devoted to Latin, Greek, and mathematics, — Latin being studied four years, Greek and mathematics each three years. This course is substantially the same as heretofore; and being of sufficient breadth to meet the requirements for admission to the one college of our own state, it should satisfy the very small portion of the community patronizing a college preparatory course.

The English course is made especially strong, and properly given first place. It is also the basis of the scientific and classical courses. The scientific differs from the English course only by the substitution of French for one study in English during the second two years of the course.

There were one hundred and sixty-seven pupils in the High School at the commencement of the fall term, classed as follows : —

<i>Class.</i>	<i>Course of Study.</i>				<i>Number.</i>
	English.	Scientific.	Classical.	College.	
Fourth-year,*	0	0	19	1	20
Third-year,	0	2	25	4	31
Second-year,	35		15	7	57
First-year,	24	32			56
Not strictly classified,					3
Total No. of Pupils,					167

As the English and scientific courses are the same during the first and second years, pupils are not required to signify whether they will continue the English course or enter upon the scientific until the opening of the third year; and, likewise, since the classical and college courses are identical during the first year, pupils need not signify whether they will continue the classical course or pursue the college preparatory until the opening of the second year.

From the table of classification it is seen that of the twenty in the fourth-year (or "Senior") class there are none in the English or scientific courses, and but one in the college course. It should be stated, however, that up to the opening of the fall term there were four of the present senior class in the college course, and the other sixteen were all in the classical course. Hence all had studied Latin three years, and under the old course of

* Senior class.

study (the one which they have been following) they would regularly pursue Latin another year. But, as the study of Latin is continued only three years under the classical division of the revised course of study, permission was given those in the classical course to make choice between the work for the fourth year as presented in the old course and the new course, or to combine the two. The design was to afford opportunity to take several studies in English instead of pursuing Latin a fourth year.

Pupils were provided with copies of the courses of study, and given a half-day for reflection and consultation with parents. At the end thereof, without advice or suggestion from any school authorities, all but two reported a desire to drop Latin and take studies in English instead. This would seem to indicate that a three years' course in Latin, for those not proposing to take a college course, is deemed sufficient by a large majority of the parents of the pupils in the present senior classical class.

All but one of the four in the senior college-class signified that they were not intending to enter any college, and expressed a desire to drop Greek and take an English study instead; and one of these desired to drop Latin, also, that he might take still another study in English. Permission was granted upon its appearing that the college class had also held the matter under advisement for a half-day. There are, therefore, but five of the twenty in the senior class studying Latin for a fourth year, and only one of these expects to enter college. She alone constitutes the senior college-class, taking both Latin and Greek; but a distinct class organization for purposes of recitation for her alone has been avoided during the past term.

The additional English studies which a portion or all of

the senior class are thus permitted to take during the last year of their course, are a review of arithmetic, algebra, and geometry (devoting one term to each); also, during the fall term, rhetoric and astronomy; during the winter term, English literature and civil government; during the spring term, English literature (continued) and botany.

From the classification table it is also seen that only two of the third-year class and none of the fourth-year class are left of those who originally entered upon the English course. Fourteen, of the sixteen in the English division last spring, graduated in June, upon completion of a two years' course; and the other two are pursuing the scientific course, but a distinct class organization is not necessary for their accommodation. All in the English division of what is now the fourth-year class graduated in June, 1883, upon completion of a two years' course.

It is hoped that the English side of the revised course of study will prove so satisfactory that pupils will, in future, continue that course through four years. Of the fifty-nine pursuing this course, it is learned that twenty now intend to continue it more than two years. This is a good beginning in the right direction, and augurs well for a more extended pursuit of the English course in future. Moreover, the scholastic standing of those now in the English course compares favorably with that of those in the other courses.

Having set forth the relation of the High School to the other schools of the city and its influence upon them, having (by quotation) presented the utility of the school *per se*, and having given somewhat in detail a view of its classification, and hinted at the satisfaction manifested toward the new course of study, I now proceed to suggest some other measures for the improvement of the High School.

It being understood that the first requisite is now attained in the procurement of a permanent and suitable principal, I add that, in my judgment, the corps of instructors should be further strengthened by the addition of another teacher. The change of the school sessions from six to five hours per day necessitated a shortening of the afternoon recitation periods from sixty to forty minutes each. This time is too short for the most profitable conduct of recitations with classes of the size, and with subjects of the character and importance, of those in the High School. The full time of another teacher would be required in order to afford an hour for each recitation. By closer observation of the work of the school I am finally forced to the conclusion that it is not wise economy to employ less than six teachers in the High School. Indeed, I am of the opinion that seven could be worked to good advantage. Six are needed for the proper conduct of the recitations; and with the aid of a seventh, one could be spared each hour to take charge of the assembly-room, and render individual assistance to any there at study and in need of it. This room could then be kept quiet for study, as was designed when it was seated with individual desks. With less than seven teachers, and with one hour for each recitation, the principal must both take charge of the assembly-room and conduct his recitations there, not only to his own disadvantage as an instructor, but also to a disturbance of the quiet of those there seated for study.

A further element of strength should be obtained from the character of the additional teacher sought. An attempt to make the school strong upon the side of its English course will prove futile unless that side of the course be largely in charge of as good teaching talent as any other part of the course. The work of the master

should be felt in some study of every part of the course, but his direct teaching ability and power cannot be exercised in more than one-fifth of the daily recitations. It would therefore be well to increase the corps of teachers by one who has had special success in teaching the leading branches found upon the English side of the high-school course of study, unless the master and sub-master are given charge of the principal English studies and the additional assistant chiefly teaches the foreign languages; and the services of an expert are desirable in such subjects as penmanship, book-keeping, elocutionary drill, and reading, these having been made part of our high-school curriculum.

The next improvement I have to suggest is a change in the location of the chemical laboratory. It is improperly placed in the attic of the high-school building. It can be reached only by the ascent of an uncommonly long flight of stairs from the second floor, and by a long walk across the attic floor, the entire length of the building to its south end. Much valuable time is worse than wasted in passing thereto, and the exhaustion consequent upon the ascent of two long flights of stairs is so great that several minutes must elapse before the class can be in a proper condition for work, to say nothing of the evil effects upon the physical organization of the weaker portion of the class membership. These evil effects constitute the chief objection to the present location of the laboratory, though the one first named is sufficiently great to justify an expenditure necessary to effect a proper change of its position.

I recommend that a new laboratory be constructed in the rear of the high-school building, to be entered from the floor upon which are the lower school rooms. Whether this can be wisely and economically done by

adding a second story to the structure now there, is a matter for investigation by proper sanitary and architectural authority.

Observation of the ingenuity displayed by the sub-master in economically constructing and repairing apparatus used in chemical and philosophical experiments convinces me of the utility to be derived from a small work-room, which he suggests might be finished in connection with a new laboratory.

From experience in discerning, developing, and utilizing mechanical talent found in several members of his classes, the sub-master further suggests that such a room would prove profitable to the city and to many of the high-school pupils. At my request he has kindly put his thoughts upon this subject in writing, and I quote as follows: —

“I believe enough of manual training could thus be given at the High School to foster a higher appreciation of the value and dignity of intelligent labor, and the worth and respectability of laboring men. A boy who sees nothing in manual labor but brute force will generally despise both the labor and the laborer. With the acquisition of skill in himself, however, come the ability and willingness to recognize skill in his fellows; and when once he begins to appreciate skill in handicraft, he will begin to regard the skillful workman with sympathy and respect. I believe, too, it would help pupils to choose their occupations more wisely and pursue them more successfully, and thus tend to prevent those serious errors which often occur in such choosing, and which often prove fatal to the fondest hopes of both parent and child.

“Again, I feel very sure that it would be a direct help to the entire school and save expense to the city, by affording means for constructing much of the apparatus

needed in the study of physics at but a trifle above the cost of the material, while at the same time it would afford unusual opportunities for the successful study of the mechanical powers. I believe, too, that it would in no degree detract from interest in other studies, but stimulate and increase that interest. It would be a direct and positive help in mathematics, physics, mechanics, and chemistry, and could be made to supplement most admirably the work in drawing. In short, I believe that manual training, methodically taught, and associated as it would be with mental culture, is intellectually and morally wholesome; and that the grand result would be an increasing interest in manufacturing pursuits, more intelligent mechanics, more successful manufacturers, better lawyers and teachers, more skillful physicians, and last, but not least, more useful citizens."

THE TRAINING SCHOOL.

Having begun a history of the Training School in my report of 1880, and having in subsequent reports given details of its work, I shall in this one say but little more than what may be necessary to chronicle additional facts in the history of the school to the present time.

The school was continued during the first two terms of the present year under the principalship of Miss Sarah E. Sprague, who completed her sixth term of service on the twenty-seventh of June. Miss Sprague was given charge of the school in 1882, when an attempt was made to give the school a more distinctive character for the professional training of teachers. Her efforts were highly successful, as delineated in my report of last year; and the result of the work of those young lady teachers who had the benefit of a course of instruction under her direction, and have since been employed in our schools, has been uncommonly good for an initial experience.

The fame of Miss Sprague as a normal instructor had become widely known, and she resigned to accept an offer from a distant state to enter a broader field of service.

The school was begun in the fall under the principalship of Miss Eleanor E. Jones, a graduate of the Oswego Normal School. Miss Jones was experienced in the kind of work to which she was here invited, and she is manifestly a lady who has received a good education and excellent training.

Her term of service here, however, was short. Before a thoroughly mutual acquaintance between herself and all connected with the schools under her charge could be matured, she was suddenly called home to western New York, on account of the serious illness of a near relative; and it is now certain that her continued services are needed there, and that she could not return.

Graduates of the Training School.

Following is a list of those who have graduated at the Training School since 1880, and the list is therefore a continuation of the one which may be found in my report for that year.

The two lists combined form a complete record of the graduates of the Training School since its organization in 1869.

Those here named are arranged in the order of their dates of graduation:—

1881–1884.

Josie H. Martin.*	Eva F. Tuson.†
Mary E. Bunton.†	Kittie Ferren.†
Kate M. Follansbee.†	Edith M. Stebbins.†
Georgia A. Wyman.†	Fannie L. Sanborn.‡
Nina D. Annis.†	Mary L. Gage.†

* Afterwards regularly employed in the day schools.

† Now regularly employed in the day schools.

‡ Afterwards regularly employed in the evening schools.

Lizzie D. Hartford.† Ella Hope.†
 Helen M. Wetherbee.† Nettie F. Ainsworth.†
 Susie H. Frame.† (15.)

From List of 1880.

Of those graduates named in the list given in my report of 1880, the following have since been assigned regular teachers' positions in our day schools:—

Ella F. Barker.	Annie W. Patten.
Emma C. Gee.	Nellie M. James.
Gertrude H. Brooks.	Nettie C. Woodman.
Emma S. Sanborn.	Lenora C. Gilford. (8.)

The following have also been enrolled as members of the school since 1880:—

Florence G. Bartlett.	<i>Genevieve L. Whitten.</i>
Susie E. Greenwood.	<i>Alta C. Willand.</i>
Annie L. Prescott.	Carrie A. F. Bartlett.
<i>Lelia A. Brooks.</i>	Nina B. Croning.
<i>Bessie M. Hall.</i>	May J. Hickey.
<i>Mattie E. Sanborn.</i>	May J. Nutt. (12.)

Miss Florence Bartlett soon withdrew to engage in other employment. Miss Greenwood was a non-resident, and only remained about twenty weeks, having then realized the special purpose for which she came. Miss Prescott was obliged to leave on account of ill-health. The other nine are now members of the school, and the five of these whose names are *italicized* are "seniors," and will graduate on the thirtieth of January next.

Summary of Essential Facts.

Whole number enrolled in Training School since
 its organization in 1869 134

† Now regularly employed in the day schools.

‡ Afterwards regularly employed in the evening schools.

Number of the above who have been regularly employed as teachers in the city day schools	92
Number of others regularly employed as teachers in the city evening schools	8
Total number of members regularly employed as teachers in city schools	100
Total number of graduates	67
Number of graduates not ever regularly employed in city schools	8
Number called upon to teach in city schools before graduation	41
Number of different lady teachers regularly employed in the city day schools in 1884	70
Number of the above who had previously been members of the Training School	48
Number of graduates now available for permanent teachers' positions	1

Facts in Regard to the Cost.

Average annual expense for teaching during the five years prior to 1882*	\$1,875 00
Average annual expense for teaching during the three years since 1881	1,818 00
In 1877, under the former plan of organization, the cost for teaching was	2,000 00
In 1883, under the present plan of organization the cost for teaching was	1,900 00

The last two items are given for years of greatest cost for teaching, under each plan of organization.

The number of days' service for which substitute teachers are needed, has averaged about two hundred a year, and during the past term but one graduate of the Training School has been available for such work. Of the

* The organization of the school was then changed to the present plan.

fourteen graduated during the last two years, she, indeed, is the only one left without a permanent position, while it appears, from statistics given, that *forty-one per cent* of the membership who afterwards joined our corps of teachers were called out to enter the service before they could complete the course of training-school instruction.

This shows, certainly, that the Training School is not overdoing its work. The city absolutely needs at hand, all the time available for substitute work, six or eight graduates of the Training School, or other young ladies of equivalent scholastic standing and familiarity with the work of our schools. It frequently happens that two or three such are needed for substitute work upon the same day, and occasionally five or six are so needed. Five graduate next month, but more than that number will be needed for our schools before the close of another year, if the call for such equals the annual average.

Those who are familiar with the work of our teachers *know* that its *average* character, as performed by the sixty-nine per cent of the membership of the Training School this year enrolled in our corps of teachers, is *far superior* to the average character of the work performed by the balance of the corps, though the service rendered by individuals of that balance is not excelled by any, and in some instances rarely equaled.

I have been familiar with the work of the Training School for nearly eight years. During the first five of these years, as it had previously been for seven years, it was under the general charge of Miss Nancy S. Bunton, with Mrs. Martha N. Mason as principal of the primary department. The several grades in the building were indeed model schools, fit places for young ladies to observe a high type of work, where they also had the benefit of the wisest counsel and the most friendly criticism that

these excellent teachers were able to give, and the results, both immediate and remote, have redounded to the lasting good of our schools.

Late in 1881 the committee determined upon a different form of organization for the Training School. It was designed to add to the observation and practice, previously required, a course of study in the principles, and their application, of normal methods of instruction. The design was progressive; but I had some misgivings as to the results, because of the attempt to conduct the school upon this broader plan without additional expense, and because of the difficulty involved in securing a principal who would be properly qualified to give normal instruction and exemplify the characteristics of a first-class manager and instructor, not only of various grades of school but also of sub-teachers.

The attempt, however, was successful, and the school for two years prior to September was all that could be expected. The change of teachers at the opening of the fall term, and another change with the opening of next term, are disturbances that prove injurious; but such changes are liable to occur under any form of organization, and are no more detrimental than was the unavoidable withdrawal of Mrs. Mason under the former plan.

The future of the school depends upon the character and ability of its principal. Its future, too, distinctively as a training school, will doubtless again come under discussion, as is customary with every new organization of the committee; but before hastily concluding adversely it will be well to consider that its organization was contemplated and held under advisement by some of our ablest citizens then upon the school committee, for one or two years before its establishment, that it has existed for fifteen years with the support of every committee during

that time, which is evidence that its results have, in the opinion of these several committees, justified the continuance of the school for this long period.

It matters not to me, personally, other than as a good citizen desiring the prosperity of the schools, whether the Training School be continued or discontinued; but, as the executive official of the school committee, I find that my experience and observations agree with those of other superintendents in regard to the utility of a city training school. I have read somewhat extensively the reports of committees and superintendents from other places having training schools; but I refrain from contemplated quotations, since they would, in the main, be repetitions only of the desirable experiences and results here realized.

OBITUARY.

Died, in Boston, August 23, 1884, Mrs. Martha N. Mason, of consumption.

Mrs. Mason was for several years the very efficient principal of the primary department of our city Training School. She was a woman of exceptionally good qualities, and engaged in her work all the noble traits of character which so highly distinguished her. By her excellent judgment and determined earnestness in a high purpose, she won the affectionate good-will of both sub-teachers and pupils; by her great tact and enthusiasm, she inspired all to rouse themselves to their best efforts; and by acknowledged skill in her vocation, she commanded the respect and confidence of pupils, parents, and school authorities.

TEACHERS.

The following indicates changes in teachers during the year:—

Teachers.	Date of effect of resignation.	Expiration of term of service.
Emma M. Rowley.	March 28.	
A. W. Bacheler.		June 27.
E. P. Sherburne.	June 27.	
Sarah E. Sprague.	June 27.	
Josie H. Martin.	June 27.	
Josie H. Richardson.	June 27.	
Jennie G. Stebbins.	Nov. 10.	
T. D. Adams.		December 19.
Eleanor E. Jones.		December 19.

Teachers.	Date of beginning service.	Teachers.	Transferred.
Mary L. Gage.	Feb. 4.	Kate M. Follansbee.	Apr. 14.
Ella Hope.	April 14.	Mary A. Smith.	Sept. 15.
T. D. Adams.	Sept. 15.	Maria N. Bower.	Sept. 15.
J. W. Stetson.	Sept. 15.	Carrie I. Stevens.	Sept. 15.
E. E. Jones.	Sept. 15.	Belle M. Kelley.	Sept. 15.
S. H. Frame.	Sept. 15.	Mary W. Mitchell.	Sept. 15.
Ella F. Barker.	Sept. 15.	Mary G. Tynan.	Nov. 10.
N.F. Ainsworth.	Sept. 18.		

The positions occupied by the foregoing teachers, as well as those of all others, may be seen in detail from an inspection of the list of teachers given in connection with the statistical table following this report.

Our corps of teachers, it is believed, will compare favorably with any other equally large. As indicative of its presumed scholastic standing, it may be said that of the seventy-eight different teachers employed during the past year five are college graduates, fifty-one are graduates of the Manchester High School, and eighteen others completed equivalent courses of study in other higher institutions of learning. Of the seventy different lady teachers employed, forty-two are graduates of the Manchester

Training School, six others were members of it but were called upon to teach in the schools before they could graduate, and seven others were members of normal schools, six of whom graduated.

About the usual annual quota of our corps of teachers has been invited elsewhere. Visiting inspectors somehow seem to know where to go for as good as any we have in their respective grades; and this year Miss Rowley was given a position at Somerville, Mass., Miss Sprague was selected as assistant to the superintendent of public instruction for the state of Minnesota, Mr. Bachelier was elected master of the High School at Gloucester, Mass., and Mr. Sherburne, master of the leading grammar school at Brookline, Mass.

It is thought that for some years past several of our better teachers have been the more willing to give heed to opportunities to go elsewhere, if, indeed, they have not sought such, through the fright produced by the annual election of teachers; and others have intimated that they would be like-minded were they so situated that they could afford it. To some it has seemed that little indiscretions or errors happening but a short time before the election of teachers, mistakes which at other times, it is alleged, would soon be forgotten, have caused a lack of unanimity in the reëlection of some teachers that has created a feeling of uneasiness, which to a certain extent has pervaded the whole corps. If this be true, it is evident that we cannot be getting the best results from the efforts of our teachers, for in such a state of mind they naturally become so much concerned lest they unwittingly incur the displeasure of some in authority that they cannot give their exclusive attention to the attainment of the best possible results for their schools. This is said upon the understanding that they fear the dissatisfaction which

may be expressed through failure of their election, or by a bare choice, is more liable to arise on account of some casual error than because of their general course, or of any lack in their ability as instructors.

The disturbed state of feeling to which reference has been made, originated, it is said, three or four years ago when several teachers failed of an election. Their treatment was too summary, though it doubtless proved for the good of a few schools. Teachers, however, are entitled to consideration, as well as schools; and any who may not be found altogether satisfactory can frequently be placed in positions for which, indeed, they may have once shown special fitness, but from which they may have been moved along, without solicitation on their part, to grades to which they were not adapted, as a matter of convenience in reorganizing the schools in a certain building. Such should be given particular consideration and accorded another trial. Hence I regard the course pursued by you a year ago much the wiser, when not entirely satisfied with the work of a few teachers you made several transfers. The results have, in general, proved quite as beneficial as those derived from the other course of procedure, and more salutary, for your policy has to some extent allayed the misgivings of teachers lest any found somewhat unsatisfactory might not have further trial.

Your prudence in this matter I regard as especially discreet; because, when transfers are made to effect an adjustment of teachers to places which they can best fill, none are publicly singled out as unsatisfactory in former positions, since it then usually becomes necessary to transfer some as good as any, in order to make room for those whom the committee hope to become equally good in new positions.

But since all future committees may not follow so wise a policy, since more or less of the members of every committee for the past eight years, at least, have, to my certain knowledge, pronounced the annual election of teachers a "farce," and the more especially since teachers can do their best work only when serving under a feeling of security in their positions so long as their labors shall be satisfactory to those in authority who best know the results of their efforts and are most competent to determine their value, why not abolish the annual election of teachers, decree that those now rendering satisfactory service shall continue in their present positions unlimitedly, and when vacancies occur, or are made, then fill them by appointments that shall be regarded as more or less permanent according to the character and value of the service rendered, but unlimited as to time?*

I think of but one objection that can arise in the minds of any, and that is the apparent lack of opportunity to get entirely rid of an unsatisfactory teacher; but by whose mistake is such allowed to get into the corps? Certainly not by that of the teacher in question, and may she not therefore be entitled to deliverance in a way that will not especially prejudice her chances for usefulness with others who might consider, and under other circumstances find, her more than the equal of those by them usually employed? That she should be so set free cannot be regarded as otherwise than both reasonable and right. Now that a form of release which would be alike honorable to the committee and in accord with fair treatment to teachers is perfectly feasible, I suggest that in future, whenever a teacher's efforts are not satisfactory, the sub-committee, directly through its chairman or indi-

* Since the above was written, a bill has been introduced into the Massachusetts legislature which is designed to enable towns or cities, at their option, to dispense with the periodical election of school teachers and superintendents.

rectly through the superintendent, should seek a conference with the teacher and inform such of any deficiency, point out the remedy if possible, and furnish all the assistance that can be afforded. If this course is effectual, well and good; but if not, and there is no reasonable hope of gain by a transfer, then let such teacher understand that a vacancy in the position will be expected within certain reasonable limitations of time. Since, however, our corps of teachers has been pretty thoroughly recast within the past few years, and is now generally in a very satisfactory condition, it is believed that even the course of action here outlined would only rarely be found necessary.

FIRE-ALARM SIGNALS.

In order to give greater publicity to the manner of using the signals for closing the schools in bad weather; the following regulations are here introduced:—

“To close the *primary schools*,* *two strokes with fifteen seconds between them.*

To close *all the schools*,* *two immediate strokes and after a lapse of fifteen seconds two more immediate strokes.*

The times for striking the bells are at 8.05 A. M., for closing schools during the forenoon, and at 1.15 P. M., for closing them during the afternoon.

Janitors are directed not to ring the school bells on any half-day for which the *four* signals may be given for closing all the schools.

Teachers should keep their pupils informed in regard to the foregoing regulations, and suggest to them that they listen for signals at the times named, whenever the weather and traveling are very bad.

If at any time pupils should appear at a school through failure to hear or understand attempted signals for closing the schools in bad weather, teachers who may be present are directed to care for them as their interests most demand; but, if a session be held, other pupils who fail to attend are not to be marked absent.”

Occasion is here taken to suggest to parents that it is expected they will depend chiefly upon their own judg-

* Except suburban.

ments in regard to the advisability of the attendance of their children in bad weather, as at other times.

The school authorities cannot make any regulations which will apply with equal propriety to the attendance of children unequally prepared in respect to suitable clothing and varying degrees of health, or unequally accommodated by sidewalks varying in condition chiefly according to their locality.

Besides, the best of regulations are liable to fail of operation even in most critical times, by reason of accident or some untoward circumstance; nor is sufficient wisdom given any one person always to determine the weather even for three-quarters of an hour beforehand. Then, too, there will generally be a diversity of opinion in regard to conditions which should warrant the closing of the schools in unfavorable weather.

Hence, while the signals will continue to be given under the direction of such wisdom as experience seems to dictate for the interests of the majority, there will be seen, from foregoing considerations, the propriety of expecting parents to regulate the attendance of their own children, in accordance with circumstances affecting individual cases.

SCHOOL MANAGEMENT.

Under the head of school management I had designed to say much; but an examination of the limitations of the laws under which our schools must be governed makes it apparent that most of my contemplated suggestions would be useless.

To indicate changes in the laws for the purpose of securing an improved management of the schools I shall leave to more legal minds: for, after all the plans I can devise, with considerable reflection upon the probable

results of their practical operation, I am forced to the conclusion that, after all that can be done, the good standing and success of the schools will chiefly depend upon the extent to which the men under whose direction the schools may be placed, will repress the influence of their personal notions and prejudices, become informed of the actual condition of the schools, and consult only for their best interests.

Hence, since the essential interests of the schools are virtually determined by the conclusions of the respective standing and sub-committees to which those interests are usually referred, I feel that I cannot better advise than suggest that such committees should be composed of those most likely to harmonize in an earnest purpose to accomplish the greatest possible good.

CONCLUSION.

In conclusion, I sincerely thank you for a more liberal form of the rules under which the superintendent is required to serve; and I also desire to express regret at the withdrawal from the board of so many who have sought conscientiously to serve the best interests of the city.

WM. E. BUCK,
Superintendent.

December 31, 1884.

TABLE SHOWING THE ATTENDANCE AT THE VARIOUS SCHOOLS FOR THE YEAR 1884.

SCHOOLS.	Whole No. enrolled.	Whole No.* Belonging.		Average No. belonging.	Average daily attendance.	Per cent of daily attendance.	TEACHERS.
		Boys.	Girls.				
GRAMMAR SCHOOLS.							
High School.....	225	65	107	162	156	96.6	{ A. W. Bacheleer, 2 terms } { T. D. Adams, 1 term, } Masters. G. I. Hopkins, Sub-master. Lucretia E. Manahan, } Mary A. Buzzell, } Assistants. Rocilla M. Tusou, }
Franklin-street, First Division	80	26	24	43	40	93.0	F. C. Baldwin, Master.
Second "	89	26	33	46	45	97.8	Lenora C. Gifford, } Lottie R. Adams, } Assistants. Carrie E. Reid, }
Third "	51	22	15	31	28	90.3	
Fourth "	60	24	17	36	35	97.2	
Franklin-street totals	†	98	89	156	148	94.9	
Lincoln-street, First Division.....	76	16	29	38	36	94.7	B. F. Dame, Master.
Second "	73	20	21	34	32	94.1	Annie W. Patten, } Mary J. Fife, } Assistants. Belle R. Daniels, }
Third "	80	20	21	38	36	95.5	
Fourth "	100	32	28	48	46	95.2	
Lincoln-street totals	†	88	99	158	150	94.9	
Ash-street, First Division.....	77	24	29	40	38	95.0	{ E. P. Sherburne, 2 terms, } { J. W. Stetson, 1 term, } Masters. Annie A. Webster. Mary L. Gage, 5 mos., } Mary E. Bunton, } Assistants. Bertha L. Dean, }
Second "	66	10	36	42	40	95.2	
Third "	17	21	27	42	39	92.8	
Fourth "	67	24	33	44	40	90.9	
Ash-street totals	†	82	125	183	171	93.4	
† Spring-street, Third and Fourth Divisions.....	53	21	16	31	28	90.3	Anna O. Heath.

Main-street, Second and Third Divisions.....
 " " Fourth Division.....

Main-street totals.....
 Webster-street, Second, Third, and Fourth Divisions.....
 Grammar-school totals.....

MIDDLE SCHOOLS.

Webster-street, Higher and Lower.....
 Ash-street, Higher.....
 " Lower.....
 † Spring-street, Higher.....
 " Lower.....
 Lincoln-street, Higher.....
 " Lower.....
 § Merrimack-street, Lower.....
 Franklin-street, Higher.....
 " Lower.....
 Main-street, Higher.....
 " Lower.....
 " ".....
 South-Main-street, Lower.....

Middle-school totals

PRIMARY SCHOOLS.

|| Ansokeag, Higher and Lower.....
 Webster-street, Higher and Lower.....
 Blodget-street, Higher.....
 " Lower.....
 Ash-street, Higher.....
 " Lower.....
 Lowell-street, Higher.....
 || Lowell-street, Higher.....
 " Lower.....

Frank S. Sutcliffe, Master.
 Cora M. Dearborn, Assistant.
 Mary A. Smith, 1 term.
 { Mary A. Smith, 2 terms.
 { Maria N. Bower, 1 term.
 Nancy S. Buntton.
 Kittie J. Ferren.
 Lizzie P. Gove.
 Fannie D. Moulton.
 Mary F. Barnes.
 Carrie M. Gilmore.
 { Sarah E. Sprague, 2 terms.
 { Eleanor E. Jones, 1 term.
 C. Augusta Abbott.
 H. G. Flanders.
 { Josie H. Martin, 2 terms.
 { Mary L. Gage, 1 term.
 Ellen E. McKean.
 Flora M. Senter.
 Nettie F. Alinsworth, 1 term.
 Jennie G. Stobbins.
 { Maria N. Bower, 2 terms.
 { Carrie I. Stevens, 1 term.
 Gertrude H. Brooks.
 Florence A. Nichols.
 Emma L. Stokes.
 Helen F. Wetherbee.
 Helen M. Morrill.
 Mary G. Tynan.
 Nina D. Annis.

94	15	21	48	46	95.8
92	23	22	40	37	92.5
†	38	43	88	83	94.3
33	2	..	29	37	93.1
†	329	372	645	607	94.1
70	23	17	33	30	90.9
72	20	22	42	38	90.5
74	31	28	43	39	90.7
78	24	28	43	40	93.8
66	14	22	37	34	91.9
107	33	25	50	47	94.0
105	29	29	47	43	91.5
74	31	22	34	31	91.2
83	24	33	44	42	95.4
77	28	29	36	33	91.7
113	21	28	43	40	93.0
94	28	34	47	41	89.1
133	29	29	46	40	86.5
30	..	3	27	24	88.8
†	335	349	572	522	91.3
58	23	35	42	37	88.1
67	19	34	35	32	91.4
73	30	17	37	35	94.6
79	44	26	38	35	92.1
82	19	25	42	39	92.8
92	35	48	49	43	87.7
80	46	18	38	35	92.1
83	32	30	34	30	88.2
112	60	49	45	38	84.4

ATTENDANCE AT THE VARIOUS SCHOOLS, -- Continued.

SCHOOL,	Whole No. enrolled.	Whole No. Belonging.*		Average No. Belonging.	Average daily attendance.	Per cent of daily attendance.	TEACHERS.
		Boys.	Girls.				
Lowell-street, Lower.....	83	36	33	33	29	87.9	Georgie A. Wymau.
Spring-street, Higher.....	77	25	32	42	40	95.2	Nellie I. Sanderson.
" Lower.....	76	28	44	44	42	93.9	Lucia E. Esty.
" 	94	45	29	43	41	95.3	{ Carrie I. Stevens, 2 terms.
Wilson Hill, Higher.....	36	0	0	34	32	94.1	{ Belle M. Kelley, 1 term.
" Lower.....	101	55	38	40	35	87.5	{ Susie H. Frame, 1 term.
Lincoln-street Higher.....	106	30	33	49	45	91.8	{ Kate M. Follansbee, 1 term.
" Lower.....	100	25	31	47	44	93.6	{ Ella Hope, 2 terms.
Beech-street "	67	25	34	33	29	87.8	{ Eva F. Tuson.
§ Merrimack-street, Higher.....	98	26	21	44	39	88.6	{ Emma M. Rowley, 1 term.
§ Merrimack-street, Lower.....	92	26	24	39	35	89.7	{ Kate M. Follansbee, 2 terms.
§ Merrimack-street, "	98	42	45	39	37	94.2	{ Georgina Dow.
Franklin-street, Higher.....	70	27	23	38	37	97.4	{ Principals: --
" Lower.....	82	37	44	42	39	92.8	{ Sarah E. Sprague, 2 terms.
Main-street, Higher.....	110	27	29	45	41	91.1	{ Eleanor E. Jones, 1 term.
School-street, Higher and Lower.....	124	32	28	49	45	91.8	{ Nellie M. James.
" Lower.....	124	28	24	49	45	91.8	{ Ella F. Sanborn.
" 	95	45	47	46	43	93.5	{ Nettie C. Woodman.
" 	99	46	49	47	41	91.2	{ Augusta S. Downs.
South-Main-street, Higher.....	70	23	27	40	38	95.0	{ Jennie F. Bailey.
" Lower.....	78	38	33	38	34	90.3	{ Clara E. Woods.
Bakersville, Higher.....	55	17	18	32	30	93.7	{ Belle M. Kelley, 2 terms.
" Lower.....	69	38	29	39	35	89.7	{ Mary W. Mitchell, 1 term.
Primary-school totals.....	†	1,029	997	1,312	1,200	91.4	{ Alice G. Lord.
							{ Delle E. Haines.
							{ Izetta S. Locke.
							{ Edith M. Stebbins.

UNGRADED SCHOOLS.

Stark District.....	17	10	7	10	9	90.0	{ Josie H. Richardson, 2 terms. Susie H. Fraunc, 1 term.
Anoskeag.....	67	26	34	42	37	88.1	Etta J. Carley.
Bakersville.....	45	22	21	33	31	93.9	Lizzie A. Burns.
Goffe's Falls.....	61	31	28	41	39	94.7	Georgie A. Nute.
Harvey District.....	30	12	16	17	14	82.3	{ Mary W. Mitchell, 2 terms. Ella F. Barker, 1 term.
Hallsville.....	40	22	17	24	20	83.0	Addie C. Prescott.
Youngsville.....	52	25	22	46	41	89.1	Olive J. Randall.
Webster's Mills.....	19	7	11	12	10	83.3	Susie G. Woodman.
Mosquito Pond.....	24	11	13	16	14	87.5	Olive A. Rowe.
Ungraded-school totals.....	†	166	169	241	215	89.2	
†† Aggregate totals for 1884.....	†	1,924	1,994	2,872	2,645	92.1	
††† Aggregate totals for 1883.....		2,061	2,001	2,848	2,612	91.4	

* Exclusive of duplicate enrollments, no account being made of pupils received by promotion or transfer from other of the city schools.
 † Totals given here would involve a multitude of errors. Many pupils would then be reckoned two or three times, on account of numerous transfers from one school to another, made at the July promotions, at times of removal to other districts, etc., etc.

‡ At the Spring-street house, the first class of fourth-division grade is placed in the third-division room, and the second class of fourth-division grade is placed in the higher-middle room, — each of these rooms having three classes.

§ One of the four schools constituting the Training School.

|| When Miss Stebbins withdrew from the school at Amoskeag, near the close of the year, the school on Lowell-street taught by Miss Tynan was discontinued, and she was transferred to fill the vacancy at Amoskeag.

¶ Proper allowance is here made for the three schools kept but one term each, the same being regarded as equivalent to one school for the year. It may be here added, for the benefit of the uninformed, that there is in this city an extensive system of Roman Catholic parochial schools, which chiefly accounts for the comparatively small portion of our population (37,600) in the public schools.

ORGANIZATION FOR 1885.

SCHOOL COMMITTEE.

GEORGE H. STEARNS, Mayor, *ex-officio* Chairman.

GEORGE M. TRUE,

President of the Common Council, *ex-officio*.

Ward 1. — Albe C. Heath,
Charles H. Manning.

Ward 2. — Benjamin C. Dean,
William C. Clarke.

Ward 3. — Nathan P. Hunt,
James E. Dodge.

Ward 4. — Samuel D. Lord,
Stephen W. Clarke.

Ward 5. — Charles A. O'Connor,
Thomas F. Collins.

Ward 6. — Jacob J. Abbott,
William H. Huse.

Ward 7. — Edwin F. Jones,
Frank B. Potter.

Ward 8. — Josiah G. Dearborn,
Timothy J. Howard.

VICE-CHAIRMAN OF THE BOARD.

BENJAMIN C. DEAN.

CLERK OF THE BOARD.

EDWIN F. JONES.

SUPERINTENDENT OF PUBLIC INSTRUCTION.

WM. E. BUCK.

TRUANT OFFICER.

SAMUEL BROOKS.

STANDING COMMITTEES.

Finance. — The Mayor, Messrs. S. W. Clarke, True, Dodge, Jones.

Salaries. — Messrs. O'Connor, Jones, Abbott.

Repairs, Furniture, and Supplies. — Messrs. Manning, Potter, Howard.

Text-Books, Apparatus, and Studies. — Messrs. Dean, Hunt, W. C. Clarke.

Drawing. — Messrs. Dearborn, Huse, Heath.

Music. — Messrs. Lord, Huse, Dearborn.

Fuel and Heating. — Mr. Dodge, the Mayor, Messrs. True, Manning, W. C. Clarke.

Examination of Teachers. — Messrs. Hunt, Dean, S. W. Clarke.

Attendance. — Messrs. Collins, Potter, Heath.

Health. — Messrs. Abbott, O'Connor, Howard.

SUB-COMMITTEES.

High School. — Messrs. Manning, Dean, O'Connor, S. W. Clarke, Hunt.

Ash and Bridge Streets. — Messrs. Dean, Hunt, W. C. Clarke.

Lincoln Street. — Messrs. Lord, Abbott, S. W. Clarke.

Spring Street. — Messrs. O'Connor, Heath, Manning.

Franklin Street. — Messrs. Dodge, Jones, Collins.

Lowell Street. — Messrs. Heath, Jones, Dearborn.

Training School and Wilson Hill. — Messrs. Hunt, Dean, Dodge.

Beech Street. — Messrs. Collins, Heath, Huse.

West Manchester Grammar. — Messrs. S. W. Clarke, Manning, Howard.

School Street and South Main Street. — Messrs. Dearborn, Lord, Heath.

Webster Street, Blodget Street, Amoskeag, and Stark District. — Messrs. W. C. Clarke, Lord, Dodge.

Bakersville. — Messrs. Abbott, O'Connor, and Potter.

Hallsville and Youngsville. — Messrs. Huse, Potter, Dearborn.

Mosquito Pond and Webster's Mills. — Messrs. Howard, Huse, Abbott.

Goffe's Falls and Harvey District. — Messrs. Potter, Howard, Abbott.

Evening Schools. — Messrs. Jones, W. C. Clarke, Collins.

LIST OF TEACHERS.

GIVING THE NAME, SCHOOL, AND GRADE OF SCHOOL.

HIGH SCHOOL. — BEECH STREET.

Master. — Edward R. Goodwin.
 Sub-Master. — George I. Hopkins.
 Assistants. — Lucretia E. Manahan.
 Mary A. Buzzell.
 Rocilla M. Tuson.

FRANKLIN-STREET SCHOOLS.

Second Floor. — Grammar Grades.

Principal. — Fred C. Baldwin.
 Assistants. — Lenora C. Gilford.
 Lottie R. Adams.
 Carrie E. Reid.

First Floor. — Lower Grades.

Higher Middle. — C. Augusta Abbott.
 Lower Middle. — Hattie G. Flanders.
 Higher Primary. — Nellie M. James.
 Lower Primary. — Ella F. Sanborn.

SPRING-STREET SCHOOLS.

Second Floor. — Grammar Grades.

Annie O. Heath (3d division, and first class of 4th).
 Lizzie P. Gove (second class of 4th division, and
 Higher Middle).

First Floor. — Lower Grades.

Lower Middle. — Fannie D. Moulton.
 Higher Primary. — Nellie I. Sanderson.

Lower Primary. — Lucia E. Esty.
 Lower Primary. — Belle M. Kelley.

LINCOLN-STREET SCHOOLS.

Second Floor. — Grammar Grades.

Principal. — Fred W. Shattuck.
 Assistants. — Annie W. Patten.
 Mary J. Fife.
 Isabelle R. Daniels.

First Floor. — Lower Grades.

Higher Middle. — Mary F. Barnes.
 Lower Middle. — Carrie M. Gilmore.
 Higher Primary. — Eva F. Tuson.
 Lower Primary. — Kate M. Follansbee.

ASH-STREET SCHOOLS.

Second Floor. — Grammar Grades.

Principal. — J. Walter Stetson.
 Assistants. — Annie A. Webster.
 Mary E. Bunton.
 Bertha L. Dean.

First Floor. — Lower Grades.

Higher Middle. — Nancy S. Bunton.
 Lower Middle. — Kittie J. Ferren.
 Higher Primary. — Emma L. Stokes.
 Lower Primary. — Helen F. Wetherbee.

MAIN-STREET SCHOOLS.

Second Floor. — Grammar Grades.

Principal. — Frank S. Sutcliffe.
 Assistant. — Cora M. Dearborn.
 Higher Middle. — Mary L. Gage.

First Floor. — Lower Grades.

Lower Middle. — Ellen E. McKean.
 Lower Middle. — Nettie F. Ainsworth.
 Higher Primary. — Flora M. Senter.
 Mixed Primary. — Nettie C. Woodman.

WEBSTER-STREET SCHOOLS.

Second Floor. — Grammar Grades.

Mixed Grammar. — Mary A. Smith.

First Floor. — Lower Grades.

Mixed Middle. — Maria N. Bower.
 Mixed Primary. — Carrie I. Stevens.

BLODGET-STREET SCHOOLS.

Second Floor.

Higher Primary, — Gertrude H. Brooks.

First Floor.

Lower Primary. — Florence A. Nichols.

LOWELL-STREET SCHOOLS (CORNER CHESTNUT).

Second Floor.

Higher Primary. — Helen M. Morrill.

First Floor.

Mixed Primary. — Georgia A. Wyman.
 Lower Primary. — Nina D. Annis.

MERRIMACK-STREET SCHOOLS (CORNER UNION).

Training School.

Principal. — Olive Adele Evers.

A lower middle school, a higher and two lower primary schools, embracing first four years of school work. Principal is assisted by members of Training Class.

WILSON HILL.

Lower Primary. — Ella Hope.

BEECH-STREET SCHOOLS (CORNER SPRUCE).

First Floor.

Lower Primary. — Georgianna Dow.

SCHOOL-STREET SCHOOLS.

Second Floor.

Mixed Primary. — Augusta S. Downs.

Lower Primary. — Jennie F. Bailey.

First Floor.

Lower Primary. — Clara E. Woods.

Lower Primary. — Mary W. Mitchell.

SOUTH-MAIN-STREET SCHOOLS.

Higher Primary. — Alice G. Lord.

Lower Primary. — Delle E. Haines.

UNGRADED SCHOOLS.

- No. 1, Stark District. — Susie H. Frame.
 2, Amoskeag. — Etta J. Carley.
 Mixed Primary. — Mary G. Tynan.
 3, Bakersville. — Lizzie A. Burns.
 Higher Primary. — S. Izetta Locke.
 Lower Primary. — Edith M. Stebbins.
 4, Goffe's Falls. — Georgie A. Nute.
 5, Harvey District. — Ella F. Barker.
 6, Webster's Mills. — Susie G. Woodman.
 7, Hallsville. — Addie C. Prescott.
 8, Youngsville. — Olive J. Randall.
 9, Mosquito Pond. — Olive A. Rowe.

SPECIAL TEACHER.

Music. — J. J. Kimball.

CERTIFICATED AND RESIDENT GRADUATES OF THE TRAINING
SCHOOL NOT PERMANENTLY EMPLOYED IN TEACHING,
IN THE ORDER OF THEIR DATES OF GRADUATION.

- † Fannie L. Sanborn.
* Bessie M. Hall.
* Alta C. Willand.
* Lelia A. Brooks.
* Martha E. Sanborn.
† Genevieve L. Whitten.

OTHERS NOT HERE EMPLOYED IN TEACHING, WHO HAVE
CERTIFICATES OF QUALIFICATION.

Maud Bell, Fannie L. Perry, Fannie E. Smith, Etta C. McLaren, Martha T. Learnard, Lizzie M. McAfee, Hattie J. Hoyt, and William F. Gibson. All certificated for grammar and lower grades.

Helen W. Poor, Susan C. Eastman, Belle F. Small, Hattie M. Ellis, Hattie E. Merrill, and Alithea M. Hutchins. Certificated for middle and primary grades.

MEMBERS OF TRAINING SCHOOL, FEBRUARY, 1885.

May F. Nutt, † May J. Hickey, † Nina B. Croning, †
Carrie A. F. Bartlett.*

JANITORS.

Webster Street, Blodget Street, and Amoskeag.

Charles M. Norton.

High School, Ash Street, Bridge Street, and Wilson Hill.

John S. Avery.

Franklin Street and Lincoln Street.

William Stevens.

* Certificated for grammar and lower grades.

† Certificated for middle and primary grades.

Spring Street and Lowell Street.

George W. Varney.

Merrimack Street and Spruce Street.

James Watts.

*Piscataquog Schools (Main Street, School Street, and South
Main Street).*

D. H. Morgan.

Bakersville School.

H. C. Dickey.

CALENDAR, 1885.

Winter term of twelve weeks opens January 5, closes
March 27. Vacation of two weeks.

Spring term of eleven weeks opens April 13, closes
June 26. Vacation of ten weeks.

Fall term of fourteen weeks opens September 7, closes
December 11. Vacation of three weeks.

REPORT
OF THE
CITY SOLICITOR.

REPORT
OF THE
CITY SOLICITOR.

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

Your Solicitor herewith submits his annual report for the year 1884.

In assuming the duties of the office at the beginning of the year, the law matters in which the city was interested were found to be in a more or less complicated condition, owing to the long illness of my predecessor. It was necessary to collect the papers and documents pertaining to the office under difficulties, on account of the absence from the city, by reason of illness at that time, of the retiring solicitor.

These papers were collected and properly filed, and have since been kept at my office for the reference of proper city officials. During the year I have attended every meeting and investigation held by the joint standing committee on claims. Fifteen meetings were held, and individually, and with the committee, I have investigated eight claims.

The total sum of claims filed, where amounts were stated, was \$10,895; the amount allowed by the committee was \$200.

Stringent rules were adopted and maintained by the committee, relative to the admission of claims not filed in strict accordance with the statute.

The following is a synopsis of all claims coming before the committee:—

George E. Mitchell, damage to stock by leakage in water pipe over his store in City Hall building. Allowed \$60.

D. C. Whittemore, damage to horse and sleigh on North Main street, \$25. Given leave to withdraw.

Amherst Emery, \$500, for injuries by falling on Amherst street, February 11. Given leave to withdraw. Suit has since been brought.

Catharine O'Grady, \$400, for injuries by falling on Water street, January 18. Given leave to withdraw.

Agnes McComb, \$100, for injuries by falling on Central street, January 29. Allowed \$25.

Elton Harrington, \$300, for injuries by falling on Elm street, February 9. Given leave to withdraw.

Timothy Mahoney, \$200, for injuries by falling on Elm street, January 13. Given leave to withdraw.

Mary McCook, \$300, for injuries by falling on Pine street, December 27, 1883. Given leave to withdraw.

John Shea, \$2,000 for injuries received by falling on Bridge street, opposite block owned by Joseph R. Weston and the Connor heirs. The alleged defect was an insecure bulkhead in the sidewalk. Given leave to withdraw. Suit has been brought, and the owners have been notified by the city to appear and defend.

Patrick Kelley, \$500, for injuries by falling on Elm street, January 9. Given leave to withdraw.

Bartholomew Bresnehan, \$50, for injuries to person and team, occasioned by collision with an ash heap in Park back street. Given leave to withdraw.

William T. Morgan, damage to team by reason of a washout on Franklin street, March 24. Allowed \$25.

John Cremen, \$500, for injuries by falling on Elm street. Given leave to withdraw. Suit has been brought.

Emma Beauvais, \$5,000, for injuries by falling on Manchester street, and on Hanover street opposite the residence of Dr. E. Custer on February 11. Given leave to withdraw. Suit has been brought.

Mrs. M. J. James, injuries by falling on Lowell street, January 28. Alderman Foss, chairman of the committee, and your solicitor conferred with representatives of Mrs. James, but no settlement could be agreed upon, and she was given leave to withdraw. Suit has since been brought.

George B. Brown, \$200, for injuries to horse on Gore street, May 8. Given leave to withdraw.

Miller & Clarkson, \$50, damage to horse and harness on Gore street, May 8. Given leave to withdraw.

Oscar B. Laport, \$400, damages to laundry caused by backing up of water in sewer, in freshet, March 27. Given leave to withdraw, and suit has since been brought.

Arrah W. Prescott, \$20, for damages to team on Webster-street extension, January 28. Allowed \$20.

Willie E. Prescott, \$40, for injuries to person by being thrown from a team on Webster-street extension, January 28. Allowed \$40.

Albert F. Davis, \$25, for damage to sleigh on Mammoth road, March 3. Given leave to withdraw by reason of defect in notice. Upon petition to the supreme court he was given leave to file a new notice, and after a hearing upon new notice was given leave to withdraw.

Barbara Murray and Bridget Consodine filed claims for injuries, but failing to appear before the committee after repeated notifications, they were given leave to withdraw.

Dr. C. M. Dodge, claim for grading street near his residence. Sent back to board of aldermen for reference to committee on streets.

James B. Scott, injuries received by breaking of bridge over Cohas brook, on Nutt road, August 14. Given leave to withdraw. Suit has since been brought.

C. H. Flagg, \$125, for damage to horse and carriage by breaking of bridge over Cohas brook, August 14. Allowed \$50.

J. W. Reed & Son, \$50, for injury to horse by falling into cesspool opposite Barr & Clapp's block. Allowed \$25.

Thomas Franker, \$25, for damage to wagon on Park street. Given leave to withdraw.

John W. Noyes and Helen A. F. Cochrane, injuries to persons and damage to team on Park street. They failed to appear before the committee after due notice, and were given leave to withdraw. Suits have since been brought.

Thomas Hamilton claimed damages for personal injuries sustained by falling on sidewalk. Failing to appear after notice, given leave to withdraw.

Eliza Sykes, personal injuries received September 9, on Hooksett road, occasioned by front wheel of wagon becoming entangled in telegraph wire. Damages claimed, \$3,000. No hearing has yet been had on this claim.

Thomas Jones, damage to furniture by backing up of water in sewer at time of freshet, March 27. Hearing begun, and continued for action by the new board.

At the March term, 1884, of the supreme court, there were eighteen cases pending against the city, and two petitions for assessment of damages for real estate taken for highways.

These cases were as follows: —

SIMON CLARK, ADMR., *v.* MANCHESTER.

William Clark, aged three years and nine months, on the 27th of September, 1879, fell into a reservoir on Douglas street and was drowned. Suit was brought by Simon Clark, as administrator, to recover damages. Action still pending.

SARAH A. DAVIS *v.* MANCHESTER.

This action was tried at the January term, 1882, and a verdict of \$2,000 for plaintiff was rendered. Exceptions were taken by the counsel for defendant, and case reserved. At December law term verdict was set aside and new trial granted. Able counsel, engaged previous to the present incumbent assuming the office, conducted the case for the city, with the assistance of your solicitor. Verdict for 1,988, rendered against the city.

ADALINE J. GEOFFROY *v.* MANCHESTER.

Settlement was made for \$1,200 before coming to trial.

HANNAH BURPEE *v.* MANCHESTER.

Case prepared for trial, when plaintiff withdrew, and judgment was rendered for defendant.

MARY A. PATTEN *v.* MANCHESTER.

Tried by the court, and plaintiff was non-suited.

CAROLINE M. DAVIS *v.* MANCHESTER.

Tried by jury. Verdict for defendant.

TIMOTHY CARR *v.* MANCHESTER.

Tried by court, and damages awarded plaintiff.

ANNIE KENNEY *v.* MANCHESTER.MARGARET KENNEY *v.* MANCHESTER.BENJAMIN F. MERRILL *v.* MANCHESTER.

Suits brought to recover damages alleged to have been occasioned by the horse-railroad. These suits have been assumed by horse-railroad company, and disposed of by them.

THATCHER M. CONANT *v.* MANCHESTER.

This action was brought at the May term, 1883, of the supreme court, to recover a balance claimed to be due plaintiff for labor in 1878. Trial by court, and judgment rendered for plaintiff.

JOHN M. RYAN *v.* MANCHESTER.

Action brought to recover damages for personal injuries. Judgment for defendant by agreement.

M. L. CLEMENTINE GAGNON *v.* MANCHESTER.

Action to recover damages for personal injuries. Still pending.

DOLPHAS BENNOIT *v.* MANCHESTER.

Action to recover damages for personal injuries alleged to have been caused by defect in highway near corner of Elm and Central streets. Trial at March term, resulting in a disagreement of the jury. Still pending.

MARY CARNEY *v.* MANCHESTER.

Action to recover damages for personal injuries. Trial by court. Judgment for the city.

MARY FRAIN *v.* MANCHESTER.

Action to recover damages for personal injuries. Trial by jury, resulting in a disagreement. Still pending.

Upon the session's docket were the two following cases: —

TRUSTEES OF N. H. INDUSTRIAL SCHOOL *v.* MANCHESTER.

For an assessment of damages for land on Elm street taken for highway. A hearing was had before the county commissioners.

ELEANOR B. GILFORD *v.* MANCHESTER.

For an assessment of damages for land taken for highway.

Upon a hearing by the commissioners, the sum of \$200 was awarded, from which award the plaintiff has appealed to the supreme court for a jury trial.

The two following cases have been brought by the city during the past year : —

MANCHESTER *v.* WILLIAM P. RICHARDSON.

This action is brought to recover the sum of \$442.23, being the amount of a judgment obtained by Kate Tooher for injuries received by falling in front of Richardson's block on Birch street. Still pending.

MANCHESTER *v.* DAVID H. NUTT.

To recover \$347.87, cash paid out by overseers of the poor for support of defendant's wife. Still pending.

At the September term, 1884, the following suits for personal injuries were entered, and are still pending : —

EMMA BEAUVAIS *v.* MANCHESTER.

JOHN CREMMEN *v.* MANCHESTER.

AMHERST EMERY *v.* MANCHESTER.

JOHN SHEA *v.* MANCHESTER.

HANNAH GORMAN *v.* MANCHESTER.

JOHN W. NOYES *v.* MANCHESTER.

HELEN A. F. COCHRANE *v.* MANCHESTER.

MRS. M. J. JAMES *v.* MANCHESTER.

At the same term suits were brought by : —

JULIUS HERMAN *v.* MANCHESTER.

For alleged damage to building on Central street by the digging of a ditch, by the city, in such a manner as to cause the underpinning of said building to settle and crack. Still pending.

OSCAR B. LAPORT *v.* MANCHESTER.

For damage to laundry by backing of water in sewer. Still pending.

At this term a petition for an injunction and mandamus was filed by

CALVIN W. STEVENS <i>v.</i>	{	THE CITY OF MANCHESTER,	} Sub-trustees		
		HENRY S. PERRY,		} of the	
		JAMES A. WESTON,			} Am'g Cem.
		JOHN E. STEARNS,			
		FRANK D. HANSCOM,			
ORRISON WEBBER.					

The petitioner, Calvin W. Stevens, sets out that for four years last past he has owned and occupied a dwelling-house situated at a distance of twenty-one rods from the Amoskeag Cemetery, that in August, 1883, the city purchased of Frank D. Hanscom land for addition to the cemetery, that this addition brought the burial lots within four rods of said dwelling-house, and that in August, 1884, Arthur O. Webber was buried in the parcel purchased of Hanscom, and within sixteen rods of Stevens's house; and prays that the said defendants be enjoined against any use of said parcel, within twenty rods of said dwelling-house, as a cemetery, and that they be commanded to remove the dead body of said Webber beyond

the limits of twenty rods of said dwelling-house. Defendants have filed a general demurrer, and the questions arising on the demurrer have been reserved.

A suit was brought by John W. Driscoll to recover damages for personal injuries received on Bridge street, caused by alleged defective highway, but was dropped before entry.

A suit was brought in Rockingham county, in 1879, by the Town of Auburn v. the City of Manchester, for damage to highway alleged to have been caused by the raising of the water in Lake Massabesic by reason of the city water-works' dam at the outlet of the lake. Able counsel was engaged by the board of water commissioners for the water-works, and your solicitor acted for the city. A very careful preparation for trial was made, a greater part of two weeks being so occupied; but, before coming to trial, a proposition for settlement was made and accepted, the parties agreeing to divide the expense of rubbling the section of road claimed to have been damaged, and each pay their own costs of suit.

A number of city cases remaining upon the docket would probably have been disposed of at the September term but for the death of Judge Clinton W. Stanley, which made it necessary to continue cases that at the time of his death were marked for trial.

Owing to the large amount of contract work that has been done for the city in the past year, a considerable portion of the solicitor's time has been occupied in drawing the agreements and other necessary papers.

In January, 1884, I was instructed to act with the city engineer in preparing an ordinance regarding the care and control of the cemeteries. After visiting Lowell and Boston and examining their ordinances and methods, and getting valuable information from the officials having in

charge their cemeteries, a satisfactory ordinance was drawn and subsequently accepted.

I have attended every session of the police court when it was necessary for counsel to act for the prosecution of criminal matters, and have given legal opinions when called upon by officials in the various departments of the city government.

The business of the office has greatly increased during the past few years, and the disposition of the large number of cases now pending in the courts, with the other duties incumbent upon the solicitor, require a great deal of work that cannot be stated in detail, and is sufficient to fully, and profitably to the city, occupy the entire time and attention of the officer.

In conclusion, I desire to acknowledge my indebtedness to the various officials of the city for the uniformly kindly services and ready assistance which they have rendered me in the performance of my duties.

Respectfully presented.

GEORGE W. PRESCOTT.

City Solicitor.

REPORT

OF THE

JOINT STANDING COMMITTEE ON CITY FARM.

REPORT
OF THE
JOINT STANDING COMMITTEE ON CITY FARM.

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

GENTLEMEN, — In presenting their annual report for the year ending December 31, 1884, your committee take much pleasure in being able to record continued good management and the completion of many needed improvements.

Beginning at the first of the year, an ice-house with a capacity of seventy-five tons was erected and filled with ice from Stevens' pond. The total cost of the construction of this house was only a little more than double the expense incurred for ice the previous summer.

Up to February of the present year a small flock of poultry had been kept in an old carriage-house. At this time a new and commodious hen-house was built, and the number of fowls increased and the strain improved.

Previous to this year the facilities for draining the sewage from the house were wholly inadequate. As early in the spring as the weather would permit, two hundred and twenty-five feet of eight-inch pipe were laid, and a cistern with a capacity of six hundred barrels was put in to receive this sewage, which has since been utilized for fertilizing purposes. Upon the completion of the spring

work a two-hundred-ton silo was put in, which was finished in August. In connection with the silo, a storehouse 74 x 75 feet was erected upon the south side.

During last winter a considerable amount of work was accomplished in clearing the brush and fallen trees from the meadow east of the house.

The time not required for work upon land already under cultivation, was utilized in clearing and stocking down some five acres of land on Bridge street. Some two hundred feet of ditching have been put in, and a vast amount of work accomplished in improving fences and walls, which were badly in need of repairs. One hundred and fifty choice fruit trees have been set out during the year, which are in a flourishing condition and bid fair to be a source of revenue in the near future.

Owing to the excessive drouth of the previous year the hay crop is not as large as usual; the other crops, however, show a large increase over any preceding year. There were raised 800 bushels of potatoes, 525 bushels of corn upon five acres, 7 tons of oat fodder, 85 bushels of turnips, 250 head of cabbage, 45 bushels of carrots, 25 bushels of onions, 30 bushels of pop-corn, 30 bushels of beans, 1 ton of squashes and pumpkins, 80 barrels of apples, and 135 tons of ensilage, the latter from seven acres. An exhibit of corn shown at the New England Fair was awarded first premium.

During the year there has been a marked improvement in the live stock. The receipts from the sale of milk amounted to \$2,350.03, against \$1,268.21 in 1883.

At the time of the prevalence of the hog cholera, last spring, about twenty choice pigs of the Chester variety were lost. The Chester boar and the pair of heavy draft horses exhibited at the New England Fair received first premiums.

In conclusion, it is but just to award the highest praise to the efficient management, careful oversight, and faithful services of the superintendent, Mr. Jeremiah Garvin, and in this connection we would not forget the most acceptable manner in which Mrs. Garvin has conducted the internal affairs of the institution. At the beginning of Mr. Garvin's administration, at the suggestion of Mayor Putnam, a new system of book-keeping, similar to that in use at the county farm, was adopted. The books have been in charge of Mr. E. J. Garvin, and present a uniformly neat and business-like appearance.

STATEMENT OF ACCOUNTS.

Total expense of farm	\$11,026 88
Interest	1,000 00
	<hr/>
	\$12,026 88
Total receipts	3,670 90
	<hr/>
	\$8,355 98
Bills receivable	408 49
	<hr/>
	\$7,947 49
Difference in stock	3,217 85
	<hr/>
	\$4,729 64
Permanent improvements	2,594 32
	<hr/>
	\$2,135 32
Paid city treasurer and charged to account	370 50
	<hr/>
	\$1,764 82

Total number of weeks' board of paupers and prisoners,
1,673.

Average cost per week per capita, one dollar, five cents
and twelve twenty-fifths.

J. F. CLOUGH,
E. P. JOHNSON,
SAMUEL LUNT,
S. P. CANNON,
H. A. HORTON,

Joint Standing Committee on City Farm.

REPORT
OF THE
OVERSEERS OF THE POOR.

REPORT
OF THE
OVERSEERS OF THE POOR.

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

In compliance with the ordinances of said city, the Overseers of the Poor herewith present their annual report for the year 1884.

The whole number of paupers supported at the City Farm during the year has been thirty-four, at a cost of one dollar and six cents per week for each pauper.

The whole number of families that have received more or less assistance off the farm during the year has been forty, consisting of one hundred and twenty-five persons, all of whom had a settlement in this city. Four of the number died during the year. The whole number supported at the Insane Asylum for the first six months of the year has been three, at a cost of four dollars per week for each person. During the last six months of the year those three insane persons were removed from the asylum to the county farm, where they are supported at a cost of two dollars per week for each person. Two of this number have been supported at the asylum during the past six years, and are incurable. The whole number of persons at the State Industrial School, chargeable to the city, has been five, at a cost of one dollar and fifty cents per week for each person.

The overseers of the poor have assisted the paupers off the farm from the several wards of the city, as follows:—

Ward number one	\$13 00	
Ward number two	54 00	
Ward number three	154 96	
Ward number four	45 13	
Ward number five	695 58	
Ward number six	185 72	
Ward number seven	0 00	
Ward number eight	175 50	
	<hr/>	\$1,323 89

MISCELLANEOUS BILLS ALLOWED.

Industrial School	\$2,119 27	
Insane Asylum	265 17	
County of Hillsborough	146 80	
Towns, Londonderry and Lancaster	99 71	
Blanks and stationery	10 31	
Medicine, police station	4 05	
	<hr/>	\$2,645 31
		<hr/>
		\$3,969 20
Cash received from county of Hillsborough		1,824 87
		<hr/>
Total cost for the year		\$2,144 33

All of which is respectfully submitted.

WILLIAM H. MAXWELL, *Clerk*, Ward 1,
 JOHN E. STEARNS, Ward 2,
 JAMES SUTCLIFFE, Ward 3,
 HORACE GORDON, Ward 4,
 PATRICK A. DEVINE, Ward 5,
 PETER O. WOODMAN, Ward 6,
 ELBRIDGE G. WOODMAN, Ward 7,
 WILLIAM WEBER, Ward 8,

Overseers of the Poor.

REPORT
OF THE
COMMITTEE ON CEMETERIES.

REPORT
OF THE
TRUSTEES OF CEMETERIES.

To His Honor the Mayor, and City Councils of the City of Manchester:—

GENTLEMEN,—The trustees beg leave to report that they organized according to the provisions of the new city ordinance relating to cemeteries, and they herewith submit the reports of the Sub-Trustees, who have been charged with the sole care and management of their respective cemeteries, and of the Treasurer, each of which reports has received the approval of the full board.

SYLVANUS B. PUTNAM,
Sec'y of Trustees of Cemeteries.

VALLEY CEMETERY.

The Sub-Trustees of the Valley Cemetery respectfully submit the following report for the year 1884:—

RECEIPTS.

To appropriation	\$2,000	00
tomb fees	71	00
water rents	130	00
opening graves	135	50
sale of lots	115	40
care of lots	258	00
	\$2,709	90

EXPENDITURES.

Paid F. B. Balch, superintendent .	\$609 75
S. B. Duke, labor . . .	231 50
A. F. Hall, labor . . .	188 70
Daniels & Co., hardware .	64 41
John B. Varick, hardware .	26 94
William C. Rogers, hardware	11 50
John H. Maynard, repairs .	15 55
Head & Dowst, repairs .	7 01
L. M. Aldrich, repairs . .	3 35
C. H. Wood, painting . .	2 75
J. J. Abbott, painting . .	76
William B. Abbott, painting	59 88
Pettee & Adams . . .	8 35
H. W. Horne . . .	20 10
James Nutt . . .	17 00
D. A. Simons . . .	1 60
S. B. Putnam . . .	4 00
T. H. Tuson, printing . .	4 50
Horace Stearns . . .	20 00
Jacob F. James . . .	6 00
W. H. Bennett . . .	9 00
W. D. Hunter . . .	5 25
Frank Dickey . . .	37 50
George Whitford, teaming .	284 92
A. H. Lowell, fountains .	221 86
Thomas A. Lane, pipe and labor . . .	267 85
water commissioners . .	102 90
F. S. Worthen, trees . .	38 85
21 individuals, as per bills .	120 58
By balance on hand Dec. 31, 1884	317 54
	<hr/>
	\$2,709 90

During the year Mr. F. B. Balch, the superintendent, has, under the direction of the trustees, made many improvements, having laid 202 feet of one-inch and 906 feet of two-inch water pipe, so that water is now available in nearly all parts of the valley, besides having laid 200 feet of eight-inch drainage pipe, with three catch-basins, to carry off the surplus water that accumulated in many places in the spring to the depth of several feet, and put in nine iron drinking-fountains, graded the public grounds, reset the head-stones on a line, graveled the paths, removed many of the old iron fences that had become unsightly, cut out many of the old trees and replaced them with young maples, and has performed his duties with strict fidelity to the interests of the city, and with courtesy to all with whom he has come in contact.

And in conclusion your trustees desire to call your attention to the necessity of having a new receiving tomb, the old one being inadequate to accommodate the public, many having to use private tombs in which to temporarily deposit their dead:

Submitted to full board January 27, and approved.

C. H. G. FOSS,
 A. A. AINSWORTH,
 GEO. C. GILMORE,
 D. O. FURNALD,
 B. W. HILL,

Sub-Trustees on Valley Cemetery.

PINE GROVE CEMETERY.

The Sub-Trustees of Pine Grove Cemetery beg leave to submit the following annual report for the year 1884: —

The attention of the sub-trustees, upon their appointment, was immediately called to the imperative necessity of an unfailing water supply, without which all efforts toward beautifying and adorning the grounds would be utterly futile. The water commissioners, with commendable enterprise and zeal, extended their water pipes down the Calcif road to the east entrance of the cemetery, and from that point, the sub-trustees laid distributing pipes through the main avenues, and to such points as, in their judgment, stood most in need of an immediate supply of water.

Although the water was not available for use until about the middle of August, yet its effect upon the lots where it was used was very marked, and fully demonstrated the wisdom of the outlay. The interest of lot-owners, who have heretofore labored in vain to beautify their lots, has revived, and the sub-trustees are assured that the coming season will show a degree of improvement in the general appearance of the cemetery unprecedented in its history, and that the investment will prove a profitable one pecuniarily.

The total expenditure for the introduction of water thus far amounts to \$4,138.20. A further expenditure will be needed to extend the water-works to all parts of the cemetery where lot-owners require it; and for this purpose an appropriation of at least \$500 is asked.

Another permanent and much needed improvement has been inaugurated by the sub-trustees in the erection of an addition to the old tool-house, which is now approaching completion. The plans and specifications for

the new building were furnished by Wm. M. Butterfield, architect, the contract for its construction was awarded to John F. Seaward, the price being \$922, exclusive of foundation and chimney, no part of which has yet been paid. The old building, which had become entirely inadequate to the wants of the cemetery, and afforded no conveniences for the public, has been utilized as an L to the new part under construction, and the whole structure, instead of being unsightly and repulsive, as was the former apology for a building, will be attractive in appearance, convenient, and sufficiently spacious for the needs of the superintendent, and an inviting and comfortable resort for those whose business or pleasure calls them to the Pine Grove Cemetery.

The sub-trustees desire to supply the superintendent's office with suitable desks and furniture, and with a safe of sufficient capacity to receive and preserve the records, books, vouchers, plans, and other papers of value, for which there have never been adequate facilities; to furnish the waiting-room and ladies' apartment for the comfort and convenience of the public, and to tastefully lay out and beautify the grounds about the building. The unexpended balance of the appropriation of last year in the hands of the treasurer will be sufficient to answer the claim of the contractor for the amount due him, and an appropriation of \$500 will enable the committee to perfect their plans and add to the cemetery a tasteful and serviceable improvement, which they are confident will be appreciated by the patrons of the cemetery, and which will aid materially its future growth and development.

During the year the sub-trustees have expended upon the iron fence which surrounds a portion of the cemetery the sum of \$405.67. Of this amount the sum of 367.08

was paid for gates, iron posts, circles, and labor in the construction of a new main entrance on the west side.

The unfavorable comments and numerous complaints respecting the old gates, their insufficiency in size and strength for the extensive travel at that point, together with their fractured and generally dilapidated condition, made this improvement necessary, and forced the committee to defer other expenditures, which should be made for the protection of the old lot and in inclosing the recent purchases, until further provision was made therefor.

The sum of \$31.69 was paid for painting the fence, and \$6.90 for incidental repairs. The avenue from the main entrance, running easterly across the lot, has been extended to the Calef road, and the old gates, which were removed from the main entrance, have been placed in position on the east end of this avenue.

In the immediate future this will be an important approach to the grounds, and the attention of the trustees and of the city government is called to the demand for an iron fence upon the east line of the cemetery. The present growth of the cemetery is on this side; it embraces some of the finest lots and locations in the yard, and the projected work of the coming season will bring into the market large and otherwise desirable areas of land, graded and laid out into lots and lawns. The only drawback to a rapid sale of these lots is the miserable old rail fence which disgraces the city upon that side of the cemetery, and which should be replaced by a substantial iron fence like that on the west side and a portion of the north end.

Purchases were made in 1883, by the city, of two lots of land lying north of the old cemetery, containing in all nearly twenty-one acres. The larger of the two lots has been paid for the current year out of the unexpended

balance of last year's appropriation, the amount so expended being \$3,090.

This land will soon be required for burials, and it is of the utmost importance that the early work upon this land should not be done at hap-hazard, without design or an intelligent conception of the natural beauties with which the lot is endowed to a remarkable degree. The committee have recently taken the advice of W. H. Manning, a skillful landscape-gardener and architect, who has examined the location, and sketches of his plans and designs have received the approval of the committee. To carry out the work proposed, to perfect plans, lay out the new lot, clear and build the avenues, will require at least \$300. The new lot should also be fenced, and the sub-trustees suggest the discontinuance of the street now open across the north end of the old lot, and the removal of the iron fence therefrom to the west and north of the new lot; the rest may as well be inclosed with a wooden fence, which can be cheaply constructed from lumber on the lot. A sufficient appropriation for this purpose, and for the construction of an iron fence on a portion of the east line of the old lot, is respectfully desired. During the year the sub-trustees have paid for labor and salary of the superintendent, Byron A. Stearns, the sum of \$3,073.96.

Much extra labor has been required in consequence of the introduction of city water, principally on account of the destruction of the avenues where the water pipes were laid. It became necessary to regravell all these avenues, and as the work of regrading could better and more economically be done at this time, where it was required, five of the principal avenues were cut down from one to four feet on the high ground, and filled in low places. The general appearance of the grounds is by this means much improved, and the value of adjoining lots enhanced thereby.

A plot of land south of "Hillside Lawn," in one of the most desirable positions, heretofore useless for burial places and detractive to the general beauty of the locality, has been cleared, the stumps of the large pines pulled out, over four hundred loads of gravel and loam put upon it, and it is now ready to be laid into lots as desirable as any in the cemetery, and put upon the market. About an acre and a half of land at the south end of the lot has been cleared and graded, and will be ready for sale early in the spring. Several low plots on the east side have been raised by carting in hundreds of loads of gravel and loam, and have been given a value for lots where before the land was unavailable. This work should be continued the coming year, and a sufficient amount of desirable territory be laid out to answer the demand for burial lots in this cemetery. But few new lots have been laid out the past year, and there is a great scarcity of salable lots from which to select.

The committee are of the opinion that \$2,500 will be required for labor and salaries the coming year.

A contract has been made by the sub-trustees with a society of Swedes organized for that purpose, by which a lawn plot is to be set apart to their uses, and burials be guaranteed to them therein for five dollars per burial. The committee are under obligations to properly prepare this lawn for the purposes for which it is designed and already laid out, and they estimate that \$150 will be required therefor.

The plot of land set apart for a public burial ground, where seven hundred and fifty interments have been made, has become filled, and a new "Public Ground" has been decided upon, but not fully laid out, at the south end of the cemetery.

The committee are of the opinion that due respect to the unfortunates who are compelled to make use of this obscure place for the burial of their dead, demands that the lot should be thoroughly laid out, graded, and properly cared for, and they estimate that not less than \$200 will put it into creditable condition and procure the necessary headstones for use during the year.

Many persons of limited means, unable to purchase a lot, who now feel compelled to bury their dead in the public ground, would gladly pay a fair compensation for a single grave, which they might own and control as other lots are held. The committee, early in the year, had this matter under consideration, and were unanimous in the opinion that a lawn should be prepared for this purpose, to be known as "Pilgrim Lawn," and an article was inserted in the new By-Laws (page 10), imposing conditions upon which single graves may be purchased therein. Lack of funds and time has thus far prevented the consummation of this very desirable improvement; and the committee hope that this matter may not be forgotten in the coming appropriation. \$150 will be required for this lawn.

During the past year considerable progress has been made toward beautifying and adorning the cemetery. Plots of ground which could not be made available for burial lots on account of their size, location, or shape have been graded, loamed, and set out with flowers and shrubbery, or covered with sward. The efforts in this direction have been systematically prosecuted under the skillful direction of W. H. Manning, and if the plan adopted is fostered by appropriations sufficient to secure some progress each year, a degree of attractiveness and beauty will speedily result, sufficient to more than compensate for the required outlay.

The expenditures this year in this direction have amounted to \$125.49 for trees, shrubs, and flowers, and \$33 for three stone vases. The committee have inclosed a plot upon the new purchase, and prepared it for a nursery in which to place small trees, shrubs, and evergreens, which can be obtained at a low price, and grow them for ornamental purposes as they may be required, at a less price than they could otherwise be furnished. To stock this nursery, and provide the trees, shrubs, and flowers which it will be desirable to use in the cemetery the coming season, will require an appropriation of at least \$200.

The insufficiency of water supply in the past has been not less an obstacle to the development of the cemetery, than the impossibility of obtaining an adequate supply of suitable loam with which to grade the lots and floral plots. What little has heretofore been procurable has been largely obtained from the light, sandy land in that neighborhood, possessing but little fertility, and being an improvement in color only, over the sandy soil of the Pine Grove. Feeling that water alone could not make such soil productive, and that the willingness of lot-owners to aid the committee in their efforts to place the Pine Grove on a footing with the best of the many beautiful cemeteries of New England would be unavailing without an unfailing supply of material, they purchased of the Stark Mills a large lot of excellent loam, nearly three hundred and fifty loads of which have already been delivered at the cemetery. The committee regard it a piece of extreme good fortune to secure this for the benefit of lot-owners and the city, and as most of it will eventually be sold for the improvement of lots, the income will nearly balance the expenditure which will be required for this item. The bill for this loam will be between seven

and eight hundred dollars, and should be provided for in the year's appropriations. The superintendent has supplemented this supply with one hundred and twenty-five loads of rich muck, taken from the pond on the "Straw lot" and drawn to the cemetery for future use in grading for lots and beds.

It will be the part of economy to continue this, as the muck, after sufficient exposure, will be valuable, and the pond from which it is taken will be gradually improved and fitted for the ornamentation of the new grounds. Two hundred dollars is believed to be a sufficient sum for this purpose.

Not least among the improvements of the year, is the introduction of "catch-basins" in places where heretofore water has been retained in wet times, sometimes to the depth of over two feet. Five of these catch-basins have been built the present year as an experiment, and their marked efficiency fully warrants an expenditure for drainage by this means the coming season.

During the year the sub-trustees have caused the removal of one hedge and one iron fence, the only remaining relics of that doubtful taste which formerly tolerated such evidences of exclusiveness, and now the only barrier to a restoration of harmony and uniformity of grade, and a banishment of the gloomy and neglected appearance of the older portions of the cemetery, is the existence of so many granite curbings, of all varieties, patterns, grades, and shapes, often rendered more conspicuous and objectionable by the utter neglect of the lot within. The newer portions of the cemetery, which have been tastefully laid out, with uniform grades and well cropped, open lawns, present a strong and pleasing contrast to the irregular and inharmonious fortifications of stone once thought to be desirable, but which an improved public

taste is fast driving from the leading cemeteries. The committee regret that a few even yet persist in barricading their lots with granite boulders; but they are encouraged in their efforts to promote the interests of the Pine Grove, by the noticeable improvement in public taste, and the ready preference which is given to lawn lots and to regrading old lots upon a similar plan. Lots adjoining these stone dungeons are unsalable, and happily the tendencies and growth of the public judgment are averse to them.

The work of the committee and of the officers and employés has been greatly facilitated by the adoption of by-laws and rules and regulations, which have been printed, with other valuable information, in pamphlet form, and distributed to the lot-owners.

The report of the Pine Grove committee of last year called attention to "irregularities on the part of lot-owners in the grading of their lots, improperly changing the lines, making encroachments upon the walks," etc., etc., a fact which had been none too strongly characterized by the city engineer in his report of the same year, and one which calls out the outspoken condemnation, often vigorously expressed, of every one who witnesses the evil results of their depredations. The matter thus referred to us has received the vigorous treatment it deserved, and ought earlier to have had meted out to it, by the enactment and enforcement of Art. 1 of the new "Rules and Regulations," which, in substance, provides that no other person than the proprietor himself shall perform any work upon a lot without a written permit from the superintendent, under whose supervision and control the work shall be performed. No further trouble has been experienced in this direction, and it is believed that the matter referred to us by our predecessors has been successfully dealt with,

although the means employed have made food for grumblers, who would be exceedingly unhappy if they were without something to find fault with.

As will be seen by an examination of the by-laws, the avenues have been renamed, and the paths soon will be also. It is desirable that the names should be indicated upon the avenues and paths, that the public may be able to find the localities they desire, and the sub-trustees recommend that this be done the coming year.

The burials in the Pine Grove Cemetery already exceed all others, and the ratio is largely increasing.

If there is necessity for greater receiving-tomb facilities, as suggested in the inaugural address of his Honor the Mayor, it must be apparent that the necessity is local at the Pine Grove, where, with the greatest number of interments, and with all its elements of growth, no tomb whatever is at the disposal of its lot-owners. Throughout the entire winter graves are dug through the frozen earth and burials made with great inconvenience and hardship, because no other means of caring for their dead is provided, unless they leave them in another cemetery, where they feel they have no interest or claim, and from which they must go through the ordeal of another funeral almost, before the remains are finally at rest in the family cemetery and lot. The committee ask the board of trustees to concur with them in the opinion that a new receiving tomb shall be built at the Pine Grove, and in recommending to the city government an appropriation of \$1,000, which in our opinion will be amply sufficient for that purpose.

The sub-trustees have held a regular meeting every month since their appointment, and seven special meetings have also been held, besides many informal meetings at the cemetery.

They believe the work of the superintendent and of his employés has been faithfully and well performed, and they especially commend Mr. Stearns for his fidelity, his courtesy, and his ability. He has accomplished a vast amount of work in a thoroughly acceptable manner, and has been obedient to the dictation of the sub-trustees, who alone are responsible for his acts, and are willing to be accountable for what he has done by their direction.

During the year forty deeds have been delivered and paid for, the amount received thereby being	\$1,162 42
Fifteen deeds have been written for lots sold during year, not paid for, amounting to	477 83
	<hr/>

Making sales for the year amounting to	\$1,640 25
--	------------

The Sup't has received for interments	326 00
work on lots	336 50
	<hr/>

A total of which amounts to	\$662 50
---------------------------------------	----------

Which more than pays his salary of \$1.75 per day for the year, and an amount considerably in excess of former years, for the same item.

Besides this, he has cut and sold from the grounds trees which were condemned by the sub-trustees, for which he has received \$112 28. And there is still due for wood sold, \$35.

He has negotiated all the sales of lots, and has received in advance deposits on these sales \$339, which, with sundry small items amounting to \$16.25, makes a total of \$1,150.03 received by the superintendent.

No. lots regraded during the year	103
catch-basins built	5

monuments erected	2
hedges and iron fences removed	2
lots unsold on "Hillside Lawn," where a deposit of twice the price of the lot is required	97
lots for sale, with lawn restrictions	16
ordinary lots for sale	12
loads of loam and muck on hand	300
interments during the year	193
removals during the year	10
Average No. of men employed per month	8
Whole No. lots in yard	1,305
sold	1,180
deeds recorded	959
lots sold of which there is no record	221

The following summary of receipts and expenditures for the year 1884 may perhaps be serviceable to the trustees, or instructive to the public, in the manner in which it is here presented:—

RECEIPTS.

Balance on hand Jan. 1, 1884	\$4,315 20
Appropriation, 1884,	7,000 00
Sale of lots by Sup't	\$339.00
by treasurer, \$823.42	1,162 42
Interments and work on lots	662 50
Balance of Superintendent's collections	107 43
Total received by treasurer	————— \$13,247 55

EXPENDITURES.

Real estate	\$3,090 00
Water-works	4,138 20
Additions to fence	405 67
Tool-house	233 05
Total permanent investments	————— \$7,866 92

CURRENT EXPENSES.

Labor and superintendent's salary	\$3,073 96	
Materials, tools, etc., used in cemetery	450 60	
Use of team	223 00	
City engineer and assistants	144 32	
Trees, shrubs, and flowers	125 49	
Printing, stationery, and postage	70 79	
Water used since September 1	36 50	
Miscellaneous expenses	86 07	
	<hr/>	
Total running expenses	\$4,210 73	
Total investments and expenses		\$12,077 65
		<hr/>
Balance on hand Jan. 1, 1885		\$1,169 90

The following summary of estimates for appropriations of 1885 is respectfully urged upon the attention of the trustees, with the request that they will give it their indorsement and approval, and forward it to the city government for their consideration and action: —

ESTIMATES FOR 1885.

CURRENT EXPENSES.

		Expended in 1884.
Salary of Sup't, and for labor	\$2,500 00	\$3,073 96
Material and tools	350 00	450 60
Printing, stationery, and postage	50 00	70 79
Surveying on old lot	100 00	144 32
Use of teams at cemetery	250 00	223 00
Trees, shrubs, and flowers	200 00	125 49
Water rates	50 00	36 50
Miscellaneous expenses	150 00	86 07
Clerk hire	25 00	
	<hr/>	<hr/>
	\$3,675 00	\$4,210 73

PERMANENT IMPROVEMENTS.

Expended
in 1884.

Extending iron fence on old and new lots	\$1,000 00	
Completing tool-house and fur- nishing	500 00	
Loam purchased and partly deliv- ered	750 00	
Extension of water-works to lots .	500 00	
Receiving tomb	1,000 00	
Laying out Straw lot, and building avenues	300 00	
Digging and carting muck for Straw lot	200 00	
Extension of drainage by catch- basins	150 00	
Laying out new "Public Grounds"	200 00	
Laying out "Pilgrim Lawn" .	150 00	
Laying out Swede lot	150 00	
Procuring and placing guide-boards	100 00	
	<hr/>	
Total for permanent investment	\$5,000 00	\$7,866 92
Total for current expenses .	3,675 00	4,210 73
	<hr/>	<hr/>
Total estimate for 1885	\$8,675 00	\$12,077 65
Deduct probable net income .	1,800 00	1,824 92
	<hr/>	<hr/>
Amount of appropriation .	\$6,875 00	\$7,000 00

Respectfully submitted.

JOHN F. CLOUGH,
S. P. CANNON,
HENRY H. HUSE,
G. P. WHITMAN,
J. L. STEVENS,

Sub-Trustees of the Pine Grove Cemetery.

AMOSKEAG CEMETERY.

The Sub-Trustees of the Amoskeag Cemetery ask leave to report: —

Very little has been done in this cemetery the past year. The fence separating the old portion of the cemetery from the new has been removed to the south side of the new part. Ninety-six lots have been staked out. The city councils made a special appropriation of three hundred dollars for this cemetery. Of this amount, fifteen dollars and seventy-six cents has been paid for staking lots. This is all that has been used of the appropriation.

A claim against the city made by Calvin W. Stevens, for damage to his property by enlarging this cemetery, has delayed the committee somewhat.

The committee recommend that city water be introduced into this cemetery the coming season, and a gateway erected at the main entrance.

Appropriation	\$300 00	
Expended	15 76	
Balance on hand	—————	\$284 24

HENRY S. PERRY,
 JAMES A. WESTON,
 JOHN E. STEARNS,
Sub-Trustees Amoskeag Cemetery.

TREASURER'S REPORT.

To the Trustees of Cemeteries :—

GENTLEMEN,—I herewith present to you my annual report of the money received by me during the year ending December 31, 1884, on account of cemeteries :—

PINE GROVE CEMETERY.

Number of lots sold, 33.

To cash received for the same	.	\$932	16	
interest	.	3	30	
of J. F. James	.	226	96	
of B. A. Stearns	.	769	93	
Total	.			————— \$1,932 35

VALLEY CEMETERY.

Number of lots sold, 3.

To cash received for the same	.	\$113	00	
interest	.	2	40	
of H. R. Pettee	.	28	50	
F. B. Balch	.	566	00	
Total	.			————— \$709 90

On May 29, 1884, I received from my predecessor, Hon. J. F. James, seventeen deeds, a small advance payment having been made on each. The balance due on two of these has been paid and the deeds delivered. I have written, executed, and have ready for delivery fourteen deeds on which there have been partial payments made, all of which I consider as good, as also are those

which I received from my predecessor. I have notified in every case where I could get the address of those having contracted for lots, and the time has expired in which they were to take a deed in accordance with the agreement which they signed when they bargained for the lot. Some of these have attended to the matter at once, while others have taken no notice whatever of my request. All money received by me has been turned into the city treasury, for which I have the proper vouchers from the city clerk.

A detailed account of the expenditures may be found elsewhere.

Most respectfully submitted.

SYLVANUS B. PUTNAM,
Treasurer of Trustees of Cemeteries.

MANCHESTER, N. H., Feb. 4, 1885.

I hereby certify that I have examined the accounts of Sylvanus B. Putnam, Treasurer of the Cemeteries, and find the same correctly cast and properly vouched.

NATHAN P. KIDDER,
City Auditor.

REPORT
OF THE
TRUSTEES OF THE CEMETERY FUND.

To the City Councils of the City of Manchester : —

GENTLEMEN, — The Trustees of the Cemetery Fund have the honor to present their fifth annual report, and with it a statement of the treasurer, showing the present financial condition of this trust. Thus far the accumulation of interest has not been sufficient to enable the trustees to accomplish much in the way of improvements to the lots, for the care of which donations have been made, nor could anything be done at all satisfactory in the light soil of our cemeteries without a free use of water. As the funds at their command increase, and with facilities now afforded by a general distribution of water from the city water-works, it is hoped that such improvements can be made as will be satisfactory to the parties most interested. In this connection, the trustees desire to suggest to persons donating money for this purpose, that it is well to remember that in time something more may be required than the mere ordinary care of the lots. Accidents are liable to occur from falling trees and from other causes, marble in this climate disintegrates and sometimes falls from its own weight, and granite structures frequently become displaced. For these reasons a fund should be allowed to accumulate with which to repair such dam-

ages, or to replace ruined structures. In the opinion of the trustees, two hundred dollars is the minimum sum that will produce sufficient means to properly care for an ordinary lot of the usual size, and in cases where the lots are large, or have expensive improvements in marble or granite, a much larger sum is necessary.

The favor with which this plan is being regarded by the proprietors of lots gives encouragement that at no distant time work will be furnished sufficient to employ a landscape gardener throughout the season, when it is hoped that better and more satisfactory results will be realized.

Respectfully submitted.

JAMES A. WESTON, *Chairman,*

P. C. CHENEY,

H. B. PUTNAM, *Mayor,*

Trustees of the Cemetery Fund.

TREASURER'S REPORT.

To the Trustees of the Cemetery Fund:—

GENTLEMEN, — I herewith transmit to you the second annual report of the funds received up to December 31, 1884:—

VALLEY CEMETERY.

Amount of permanent fund on hand, as per last report . . .		\$700 00
Received during the year from		
Thomas C. Shepherd's estate . . .	\$300 00	
Mrs. Emeline McNab	100 00	
Harris J. Poor	100 00	
		\$500 00
Total		\$1,200 00
Interest on hand, as per last report	\$12 45	
Interest received since last report .	18 75	
Total		\$31 20

PINE GROVE CEMETERY.

Amount of permanent fund on hand, as per last report . . .		\$571 83
Received during the year from		
Thomas S. Foote	\$146 56	
B. F. Martin	121 42	
		\$267 98
Total		\$839 81

Interest received since last report . . .	\$15 75
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PISCATAQUOG CEMETERY.

Gilman Riddle (permanent fund) . . .	\$200 00
Interest	2 50

Most respectfully submitted.

SYLVANUS B. PUTNAM,

Treasurer.

ACCOUNT
OF
SYLVANUS B. PUTNAM,
CITY TREASURER,

FROM DECEMBER 31, 1883, TO DECEMBER 31, 1884.

Dr. Sylvanus B. Putnam, Treasurer, in account with the

To cash on hand January 1, 1884	\$67,671 66
Temporary loan	209,000 00
Insurance tax	1,516 50
Railroad tax	16,728 49
Savings-bank tax	46,834 49
Literary fund	2,386 72
Board of paupers off the farm	1,832 67
City Farm	399 18
City teams	4,253 00
Sewers and drains licenses	1,548 60
Commons, A. H. Lowell, old iron	1 20
Commons, overdraft	2 50
Freeman Higgins, land sold	517 92
Louis D. Goodwin, overdraft	25 00
J. B. Varick Co., overdraft	3 90
A. J. Sawyer, overdraft	44 94
L. K. Mead, overdraft	1 75
Samuel Neal, old brick	4 00
Incidental expenses, overdraft	188 50
T. A. Lane, overdraft	20
William C. Rogers, overdraft	11 85
Pine Grove Cemetery	1,932 35
Valley Cemetery	709 90
Daniels & Co., overdraft, F. D.	1 85
Police department	3,947 26
City Hall	3,762 28
Water-works	75,580 08
Trustees cemetery fund, bonds sold	2,200 00
D. K. White, milk licenses	125 00
N. P. Kidder, old iron	77 20
G. F. Boshier & Co., land sold	100 00
Kimball & Gerrish, land sold	1,245 00
Rent ward-room	12 00
Dog licenses	884 00
Daniels & Co., overdraft	1 92
Tuition	199 75
Show licenses	271 00
Rent of tenements	766 71
City scales	112 00
Taxes collected on list of 1874	3 49
Amount carried forward	\$444,904 86

*City of Manchester (ending December 31, 1884).**Cr.*

By unpaid bills January 1, 1884	\$32,885 67
Temporary loan	160,000 00
Coupons, water bonds	35,808 00
Coupons, city bonds	15,539 00
Interest	2,154 54
Paupers off farm	3,852 24
City Farm	9,518 63
City teams	5,884 19
Highway district No. 1	278 38
" " " 2	10,165 42
" " " 3	1,229 56
" " " 4	439 01
" " " 5	415 97
" " " 6	582 56
" " " 7	859 90
" " " 8	620 14
" " " 9	496 23
" " " 10	2,389 38
" " " 11	1,087 87
" " " 12	267 36
" " " 13	221 86
New highways	10,299 02
Land damage	1,171 15
Watering streets	4,494 53
Lighting streets	10,473 35
Paving streets	8,032 74
Macadamizing streets	4,216 22
Grading for concrete	3,519 63
Sewers and drains	15,043 41
Commons	4,822 34
Bridges	9,463 38
Incidental expenses	56,397 22
Pine Grove Cemetery	12,077 65
Valley Cemetery	2,392 36
Amoskeag Cemetery	15 76
Fire department	17,832 25
Fire-alarm telegraph	943 61
Firemen's parade	345 66
Hydrant service	20,737 50
Police department	26,080 73
Amount carried forward	\$493,054 42

Dr. Sylvanus B. Putnam, Treasurer, in account with the

	Amount brought forward	\$444,904 86
To taxes collected on list of 1875		1 00
“ “ “ 1876		5 83
“ “ “ 1877		28 98
“ “ “ 1878		7 22
“ “ “ 1879		4 00
“ “ “ 1880		1 48
“ “ “ 1881		1 76
“ “ “ 1882		32 13
“ “ “ 1883		12,728 81
“ “ “ 1884		311,613 50
Interest on taxes		299 57
Amoskeag Manufacturing Co.		248 79
		<hr/>
		\$769,877 93
Unpaid bills December 31, 1884		45,824 44
		<hr/>
		\$815,702 37

*City of Manchester (ending December 31, 1884.)**Cr.*

	Amount brought forward	\$493,054 42
By	City Hall	7,096 69
	Printing and stationery	1,998 47
	Repairs of buildings	2,897 89
	City Library	3,233 57
	Militia	800 00
	Payment of funded debt	71,500 00
	Abatement of taxes	3,098 91
	Discount on taxes	8,261 29
	State tax	48,404 00
	City officers' salaries	14,142 91
	Decoration of soldiers' graves	200 00
	Stark Monument square	4 00
	Women's Aid Society	400 00
	Water-works	36,760 73
	Repairs of school-houses	4,270 79
	Fuel	1,844 00
	Furniture and supplies	1,508 01
	Books and stationery	396 86
	Printing and advertising	450 78
	Contingent expenses	985 36
	Care of rooms	3,019 16
	Evening schools	1,242 38
	Teachers' salaries	39,592 42
	Tuition	157 34
	Truant officer	750 00
	Scavenger teams	4,366 51
	Interest on hand	1,546 58
		<hr/>
		\$751,983 07
	Cash on hand December 31, 1884	63,719 30
		<hr/>
		\$815,702 37

SYLVANUS B. PUTNAM,
City Treasurer.

FINANCE COMMITTEE'S REPORT.

We hereby certify that we have examined the account of Sylvanus B. Putnam, City Treasurer for the year eighteen hundred and eighty-four, and find the same to be correct and properly vouched for.

S. B. STEARNS,
H. B. PUTNAM,
A. A. AINSWORTH,
SAMUEL LUNT,

Joint Standing Committee on Finance.

MANCHESTER, N. H., January 5, 1885.

REVENUE ACCOUNT.

ACCOUNTS OF APPROPRIATIONS.

INTEREST.

		DR.
To appropriation	\$20,000 00	
water-works, am't transferred	38,000 00	
	<hr style="width: 100%;"/>	\$58,000 00
		CR.
Paid Amoskeag Savings Bank	\$215 29	
Manchester Savings Bank	933 41	
Manchester National Bank	102 77	
Geo. B. Chandler	868 82	
Ebenezer Knowlton	25 00	
W. S. Locke	9 25	
coupons, water	35,808 00	
coupons, city	15,539 00	
By balance on hand	4,498 46	
	<hr style="width: 100%;"/>	\$58,000 00

INTEREST ON TAXES.

		DR.
To Geo. E. Morrill, collector	\$229 57	
	<hr style="width: 100%;"/>	\$299 57
		CR.
By reserved fund, am't transferred	\$199 57	
balance on hand	100 00	
	<hr style="width: 100%;"/>	\$299 57

TEMPORARY LOAN.

DR.

To balance from old account	. \$70,000 00	
Manchester Savings Bank	. 105,000 00	
Amoskeag Savings Bank	. 20,000 00	
Manchester National Bank	. 20,000 00	
Geo. B. Chandler . . .	. 45,000 00	
Ebenezer Knowlton . . .	. 1,000 00	
State of N. H., by J. C. Ray	. 3,000 00	
People's Savings Bank . . .	. 5,000 00	
Josiah Carpenter . . .	. 10,000 00	
		<u>\$279,000 00</u>

CR.

Paid Manchester Savings Bank	. \$75,000 00	
Amoskeag Savings Bank	. 35,000 00	
Amoskeag National Bank	. 15,000 00	
Manchester National Bank	. 10,000 00	
Geo. B. Chandler . . .	. 25,000 00	
By balance to new account . . .	119,000 00	
		<u>\$279,000 00</u>

PAUPERS OFF THE FARM.

DR.

To appropriation	\$3,000 00	
Wm. A. Maxwell	34 88	
County of Hillsborough, board inmates of Industrial School	1,797 79	
		<u>\$4,832 67</u>

CR.

Paid Daniel Sheehan, groceries furnished Mrs. Timothy Sullivan	\$95 50	
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Paid Daniel Sheehan, groceries furnished Mrs. Turcotte .	\$54 99
Wm. Weber, groceries furnished Mrs. D. Hunter .	144 00
Geo. W. Wilson, groceries furnished Hannah O'Brien	5 00
Geo. W. Wilson, groceries furnished Mary Fitzgerald	14 00
Geo. W. Wilson, groceries furnished Mrs. Mary Green	39 61
Geo. W. Adams, groceries furnished Edmund Burke	71
Geo. W. Adams, groceries furnished Mary Doherty .	15 61
Geo. W. Adams, groceries furnished Ellen McGinnis	21 19
J. Bean & Co., groceries furnished Levi M. Green .	88 84
McQuade Bros., groceries furnished Alice Moran . .	11 00
McQuade Bros., groceries furnished Mrs. Turcotte .	78 24
J. C. Fifield & Son, groceries furnished Mrs. Mary Griffin	5 72
J. C. Fifield & Son, groceries furnished Jacob Maynard	2 06
P. Fahey, groceries furnished Michael Moran . . .	73 00
Wm. F. Sleeper & Co., groceries furnished Levi Green	5 00
Wm. F. Sleeper & Co., groceries furnished Mrs. Patrick Fox . . .	10 00

Paid Griffin Bros., groceries furnished Walter Lynch .	\$20 00
D. M. Poore, groceries furnished Frank McCone .	12 00
B. Bresnehan, groceries furnished Mrs. Ellen Rhoades	3 03
P. Harrington, groceries furnished Mrs. J. Laughlin .	24 00
P. Harrington, groceries furnished Mrs. Rhoades .	6 29
Adams & Lamprey, groceries furnished James McGinnis	7 28
Adams & Lamprey, groceries furnished Mary Doherty .	3 91
Bartlett & Thompson, groceries furnished Mrs. Lyman W. Griffin	5 00
Bartlett & Thompson, groceries furnished Mrs. James Talty	5 00
Michael Kinney, groceries furnished William Conway .	28 70
Town of Londonderry, groceries furnished Augustus B. Fellows	3 00
Town of Lancaster, groceries furnished Benson Joy .	28 11
Joseph Quirin, groceries furnished Mrs. Duford . . .	24 00
McQuade Bros., groceries furnished Michael Spain .	20 00
McQuade Bros., groceries furnished Stephen Sullivan .	24 90

Paid County of Hillsborough, care of John J. Murray . . .	\$26 00
County of Hillsborough, care of Asenath H. White . . .	26 00
Mrs. Julia Sheehan, groceries furnished Mrs. T. Sullivan . . .	20 00
D. M. Poore, groceries fur- nished Ellen Bachner . . .	3 00
A. M. Eastman, groceries . . .	10 00
Joseph Murray	2 40
H. B. Sawyer, groceries . . .	3 00
Town of Londonderry, care of Wilson Day	18 50
N. H. Asylum for Insane, board of John J. Murray . . .	103 26
N. H. Asylum for Insane, board of Asenath H. White . . .	80 96
N. H. Asylum for Insane, board of Dudley B. Emer- son	65 95
Esther Hardy, board of Rod- ney Hardy	36 00
Mrs. Wm. C. Chase, board of Thomas Chase	68 00
County of Hillsborough, board of John J. Murray	26 00
County of Hillsborough, board of Asenath H. White	40 85
John Wiggin, care of Henry Bennett	31 25
Ella M. Tinker, care of Tom- linson child	2 50
Hannah Ovrier, care of Joseph A. Neal	5 00

Paid Mary A. Campbell, nursing, and care of Ellen Rhoades	\$19 45
A.G. Fairbanks, nursing and care of Ellen Buckner . . .	10 00
Julia Burrows, nursing and care of Mary McCarty . . .	5 00
State Industrial School, board of inmates	2,119 27
J. B. Hall, medicine	65
L. B. Snelling & Co., medicine	70
Edward H. Currier, medicine	1 10
G. E. Hall, medicine	3 95
L. K. Mead, medicine	7 95
Charles P. Still, wood fur- nished Levi Green	4 00
Matthew McGinnis, wood fur- nished Levi Green	6 00
Isaac Lefebvre, wood fur- nished Mrs. James Talty	2 00
Isaac Lefebvre, wood fur- nished Edward Frenier	2 00
Isaac Lefebvre, wood fur- nished Mrs. Lyman W. Griffin	5 20
E.V. Turcotte, wood furnished Mrs. A. Turcotte	9 75
J. Flynn, wood furnished Mary Doherty	4 62
J. Flynn, wood furnished Jacob Maynard	2 25
J. Flynn, wood furnished Mary Griffin	4 00
J.T. Garland, wood furnished Levi Green	5 00

Paid E. P. Johnson & Co., wood furnished Mary Doherty .	\$6 25
L. B. Bodwell & Co., coal furnished Mrs. T. Sullivan	4 25
L. B. Bodwell & Co., wood furnished Levi Green .	4 25
L. B. Bodwell & Co., wood furnished Ellen Rhoades .	2 00
Pearson & Wallace, burial of D. B. Emerson	15 00
Pearson & Wallace, burial .	25 00
P. A. Devine, burial of Ellen Rhoades	21 50
A.G. Fairbanks, transporting paupers	22 35
C. H. Simpson, team	3 00
Temple & Farrington, sta- tionery	10 31
Town of Londonderry, sup- port of Wilson Day	50 10
Stephen Palmer, rent of tene- ment	18 00
M. V. Garland	4 63
McDonald & Cody, shoes . .	4 35
By reserved fund, amount trans- ferred	800 00
balance on hand	180 43
	<hr/>
	\$4,832 67

CITY FARM.

	DR.
To appropriation	\$2,500 00
Barton & Co., overdraft	19 81
Waite & Piper, overdraft	8 87
J. Garvin, on account of farm	370 50
balance overdrawn	6,619 45
	<hr style="width: 100px; margin-left: auto; margin-right: 0;"/> \$9,518 63
	CR.
Paid Jeremiah Garvin, superintendent	\$750 00
Jeremiah Garvin, horse, wagon, sleigh, milk-cans, harness, etc.	453 81
Drake & Carpenter, flour, lime, and cement	217 81
W. H. H. Colby, grain, meal, etc.	405 11
Samuel Cooper, grain, meal, etc.	9 54
Pettee & Adams, grain, meal, etc.	760 87
C. H. Hill & Co.	57 97
George H. Stearns, groceries	119 57
George W. Wilson, groceries	13 13
Bartlett & Thompson, meats, etc.	204 15
P. Fahey, groceries	52 21
A. G. Grenier, groceries	75 26
A. M. Eastman, groceries	117 39
L. Gutterson, groceries	9 46
A. N. Clapp, groceries and kerosene oil	54 19

Paid George S. Clough & Co., meats, etc.	\$85 61
Wilson & Rand, meats, etc. . .	107 04
J. E. Towle & Co., meats, etc. .	20 46
Tom W. Robinson, meats, etc.	67 11
George C. Lord, groceries . . .	10 54
E. M. Slayton, butter	133 92
Hardy & Co., groceries	13 50
D. Kerwin, soap, etc.	13 76
Fitzpatrick & Co., butter . . .	29 17
Dodge & Laing, butter	38 15
Smith & Bly, crackers, etc. . .	8 45
Bartlett & Colburn, groceries . .	25 75
Adams & Lamprey, groceries . . .	9 68
Carl E. York, groceries	44 52
A. M. Eastman, groceries	77 87
Horace Marshall	104 13
A. G. Fairbanks, butter, etc. . .	15 20
Killey & Wadleigh, grass-seed etc.	14 31
J. B. Varick, ensilage-cutter, hardware, etc.	231 35
Daniels & Co., hardware, etc. . .	120 29
Wm. C. Rogers, hardware, superphosphate, etc.	88 94
Thos. A. Lane, plumbing, etc. . . .	47 29
Pike & Heald, plumbing, etc. . . .	1 75
J. B. McCrillis & Son, repair- ing carts, etc.	342 12
S. C. Forsaith & Co., lumber, etc.	71 18
Thorp & Bartlett, range, plumbing, etc.	190 87
P. C. Cheney Co.	2 50

Paid R. D. Gay	\$3 66
Pike & Heald, repairing boiler, etc.	1 75
A. H. Lowell, iron-work, etc.	13 71
Thorp & Avery, oil stove, etc.	7 50
Brown & Magoon, repairing carriage, etc.	7 50
Manchester Locomotive Works, manure	12 81
Weston & Hill, dry goods	195 09
Hawley & Barnard, dry goods	98 54
Barton & Co., dry goods	39 62
Waite & Piper, dry goods	68 39
H. M. Moody, clothing	13 00
A. A. Ainsworth	2 50
Cumner & Co., clothing	10 55
Tarbell & Co., clothing	12 00
Manchester One-Price Clothing Co., clothing	8 25
Geo. E. Mitchell, clothing	14 20
Weston & Martin, clothing	6 00
Geo. H. Tanswell, dry goods	18 29
Harley, Robbie, & Vadnais, dry goods	13 08
Chas. F. Sprague, dry goods	9 82
J. H. Cram, blacksmithing	59 60
Wm. H. Hill, blacksmithing	25 93
Charles Bunton, blacksmithing	80 42
John F. Woodbury, blacksmithing	6 45
Barnard & Pike, blacksmithing	1 75
J. Benson, Jr., blacksmithing	1 50

Paid George H. Hubbard, tobacco,	\$12 60
R. G. Sullivan, tobacco .	10 77
N. Alexander & Co., tobacco	64 77
Granite State Telephone Co., use of telephone . . .	18 50
New England Telegraph and Telephone Co., use of tele- phone	35 35
E. P. Johnson & Co., coal .	38 95
Moore & Preston, coal . . .	77 35
F. N. McLaren, repairing har- nesses, etc.	6 07
E. W. Kimball, harness, etc.	125 64
F. C. Dow, boots and shoes .	26 05
Ezra A. Day, boots and shoes	15 60
Wingate & Gould, boots and shoes	31 05
D. O. Furnald, boots and shoes	15 25
J. Hodge, lumber	101 17
A. C. Wallace, lumber . . .	154 15
Head & Dowst, lumber . . .	57 22
L. M. Aldrich, lumber and labor	652 31
J. J. Abbott, painting . . .	22 39
J. Bryson, Jr., painting . .	26 66
C. M. Bailey, pails, mop-cloths, etc.	16 73
Lewis K. Mead, medicines .	71 15
George E. Hall, medicines .	24 27
A. F. Perry, medicines . . .	11 93
Carpenter & Robinson, mason work	52 15
Concord R. R. Corp., freight	7 65

Paid L. H. Wheeler, wind-mill, pipe, etc.	\$410 61	
J. S. Holt & Co., soap	10 50	
J. B. Pattee, taking inventory	20 00	
J. Stickney, hose, etc.	31 50	
J. L. Fogg, cow	60 00	
C. D. Welch, difference in horses	600 00	
Dr. J. Alexander, professional services	25 75	
J. J. Bennett, mason-work	4 25	
J. E. Stearns, cows	115 00	
James Patten, manure	29 25	
E. P. Richardson, insurance	240 00	
Thomas W. Lane, stationery, etc.,	3 80	
Horace Gordon, paper-hang- ings	10 78	
T. A. Barker, swill	150 00	
P. A. Devine, burial of John Rhodes	19 25	
R. M. Rollins	7 00	
E. R. Sias, carpenter-work	23 87	
Pearson & Wallace, burial of Charlotte Scagel	24 00	
G. F. Bosher & Co.	9 50	
A. Q. Gage	100 00	
	<hr/>	\$9,518 63

CITY TEAMS.

	DR.	
To appropriation	\$4,500 00	
D. Kerwin, overdraft	5 25	
District No. 2	933 75	
District No. 10	214 50	
new highways	249 00	
watering streets	818 75	
paving streets	187 50	
macadamizing streets	60 00	
grading for concrete	405 75	
sewers and drains	151 00	
bridges	5 00	
commons	69 00	
scavenger teams	1,063 50	
repairs of buildings	53 75	
incidental expenses	36 25	
	<hr/>	\$8,753 00
		CR.
Paid Wilbur Fisk, carrots	\$7 92	
C. N. Harvey, straw	20 25	
E. P. Johnson & Co., hay	1,393 76	
J. W. Rand	16 85	
C. H. Tirrell, straw	34 71	
E. H. Rowe, hay	46 30	
George Harvey, straw	14 14	
George Dearborn, straw	5 80	
J. Q. Perley, straw	10 44	
Frank Johnson, straw	11 80	
Simon Paige, straw	5 52	
Eugene Hartshorn, straw	22 13	
H. A. Horton, carrots	44 19	
A. N. Clapp, salt	1 54	

Paid H. Fradd & Co., grain and meal	\$329 41
Pettee & Adams, grain and meal	457 98
Drake & Carpenter, grain and meal	571 95
Charles A. Bailey, traverse sled	40 00
Sanborn Carriage Co., repairing wagons, etc.	4 10
Welch & Culliney, repairing wagons, etc.	9 80
J. B. McCrillis & Son, repairing wagons, etc.	1,084 99
J. H. Cram, blacksmithing	154 75
D. F. Cressey & Co., blacksmithing	83 88
W. H. Hill, blacksmithing	107 30
J. F. Woodbury, blacksmithing	87 50
John Barnes, blacksmithing	8 25
Stephen Austin, blacksmithing	3 10
F. N. McLaren, repairing harness, etc.	137 51
H. C. Ranno, repairing harnesses, etc.	104 12
Ezra W. Kimball, repairing harness, etc.	18 71
D. S. Ames, repairing harness, etc.	3 40
Dr. J. Alexander, professional services	37 25

Paid S. F. Burnham, professional services	\$30 00	
R. Wood, professional services	6 00	
George W. Butterfield, professional services	31 00	
J. B. Hall, medicines	29 19	
D. Kerwin, condition food	16 00	
B. P. Bell, cylinder oil	25 90	
F. S. Wallace, harness soap	2 67	
J. Bryson, Jr., painting carts	7 21	
J. B. Varick, hardware	5 15	
Daniels & Co., hardware	2 35	
C. T. Newman, medicines	29 16	
Z. F. Campbell, medicines	9 32	
Geo. W. Butterfield, teamster	302 25	
Jeremiah Lane, teamster	303 00	
Charles Denyou, teamster	156 00	
Charles Rogers, teamster	17 25	
Walter Seaward, teamster	18 00	
City Hall drug-store, medicines	5 00	
J. Bryson, Jr., painting cart	9 39	
By balance on hand	2,868 81	
	<hr/>	\$8,753 00

HIGHWAY DISTRICT NO. 1.

To appropriation	\$300 00	DR.
	<hr/>	\$300 00
		CR.
Paid F. B. Potter, drain pipe	\$2 81	
M. F. Dodge, gravel	10 01	

Paid J. B. Varick Co., hardware	\$0 87	
A. J. Sawyer, lumber	8 53	
Manchester Axe Co., black-		
smithing	1 20	
labor of men and teams	250 46	
D. Wells, lumber	4 50	
By balance on hand	21 62	
	<hr/>	\$300 00

HIGHWAY DISTRICT NO. 2.

DR.

To appropriation	\$11,000 00	
	<hr/>	\$11,000 00

CR.

Paid James Patten, superintendent	\$874 00
Killey & Wadleigh, hardware,	
etc.	22 65
J. B. Varick Co. hardware, etc.	131 65
Daniels & Co., hardware, etc.	21 59
Wm. C. Rogers, hardware,	
etc.	150 38
Pike & Heald, lantern, globes,	
etc.	15 19
Hutchinson Bros., iron-work	10 32
R. W. Flanders, iron-work	2 93
Charles Bunton, iron-work,	
etc.	79 08
Elzear Martel, iron-work, etc.	3 20
Welch & Culliney, iron work,	
etc.	66 90
J. F. Woodbury, iron-work,	
etc.	75

Paid Webster & O'Brien, iron-work	
etc.	\$11 75
A. J. Sawyer, lumber . . .	3 90
J. Hodge, lumber . . .	11 71
Head & Dowst, lumber . . .	16 95
Geo. Holbrook, lumber . . .	48 51
A. C. Wallace, lumber . . .	12 80
Geo. H. Stearns, salt, etc. . .	16 40
J. Taylor & Son, salt, oil, etc.	12 80
Hunkins & Wilson, repair-	
ing watering-trough . . .	95
Thos. A. Lane, plumbing, etc.	6 18
Welch & Culliney, black-	
smithing	12 60
Lamson & Marden, black-	
smithing	23 16
Palmer & Garmon, stone	
chips	20 25
Chas. A. Bailey, stone flag-	
ging	96 00
Manchester Gas Co., gas . . .	80
W. H. Vickery, repairing lock	15
Manchester Gas Co., fire brick	13 00
Abbot-Downing Co., repair-	
ing street-sweeper . . .	32 25
J. Stickney, neat's-foot oil,	
etc.	8 33
J. Bryson, Jr., painting, etc.	14 08
J. Bryson, Jr., painting, etc.	44 28
U. S. & C. Express Co. . . .	1 00
City Farm	34 50
Abbot-Downing Co., refill-	
ing street broom	32 25
J. J. Connor	14 50

Paid James Briggs, dippers	\$1 50	
Concord Railroad, freight	25	
labor of men and teams	8,292 93	
L. M. Aldrich, lumber	3 00	
By balance on hand	834 58	
	<u> </u>	\$11,000 00

HIGHWAY DISTRICT NO. 3.

		DR.
To appropriation	\$700 00	
balance overdrawn	529 56	
	<u> </u>	\$1,229 56

		CR.
Paid Ed. N. Baker, superintendent	\$343 00	
R. W. Flanders, blacksmithing	12 60	
J. Welcome & Co., blacksmithing	2 40	
J. B. Varick, hardware	12 28	
Wm. C. Rogers, hardware	7 37	
labor of men and teams	851 91	
	<u> </u>	\$1,229 56

HIGHWAY DISTRICT NO. 4.

		DR.
To appropriation	\$400 00	
balance overdrawn	39 01	
	<u> </u>	\$439 01

		CR.
Paid Thos. A. Lane, drain pipe	\$6 15	
R. N. Whittemore, superin-		
tendent	264 86	
labor of men and teams	168 00	
	<hr/>	\$439 01

HIGHWAY DISTRICT NO. 5.

		DR.
To appropriation	\$400 00	
balance overdrawn	15 97	
	<hr/>	\$415 97

		CR.
Paid W. W. Dickey, superin-		
tendent	\$138 50	
W. W. Dickey, gravel	15 04	
R. W. Flanders, blacksmith-		
ing	2 65	
J. B. Varick Co., hardware	7 63	
A. C. Wallace, lumber	2 56	
John Dickey, gravel	2 70	
C. N. Harvey, posts	3 20	
Geo. H. Stearns, kerosene oil,		
etc.	65	
Mrs. Rodina Nutt, gravel	3 20	
labor of men and teams	239 84	
	<hr/>	\$415 97

HIGHWAY DISTRICT NO. 6.

		DR.
To appropriation	\$400 00	
balance overdrawn	182 56	
	<hr/>	\$582 56
		CR.
Paid Daniel H. Dickey, superin-		
tendent	\$145 50	
Wm. C. Rogers, hardware	3 75	
J. W. Watson, blacksmithing	1 95	
labor of men and teams	431 36	
	<hr/>	\$582 56

HIGHWAY DISTRICT NO. 7.

		DR.
To appropriation	\$900 00	
	<hr/>	\$900 00
		CR.
Paid Chas. Francis, superintendent	\$29 00	
P. O. Woodman, superinten-		
dent	120 51	
J. W. Watson, blacksmithing	2 38	
J. W. Watson, blacksmithing	7 25	
J. B. Varick Co., hardware	6 61	
Wm. C. Rogers, hardware	20 71	
J. T. Garland, lumber and		
labor	19 26	
Mrs. G. W. Follansbee, stone	6 00	
labor of men and teams	648 18	
By balance on hand	40 10	
	<hr/>	\$900 00

HIGHWAY DISTRICT NO. 8.

		DR.
To appropriation	\$650 00	
	<u> </u>	\$650 00
		CR.
Paid John A. Proctor, superintendent	\$175 13	
J. B. Varick Co., hardware	21 30	
Charles Bunton, iron-work	5 40	
labor of men and teams	418 31	
By balance on hand	29 86	
	<u> </u>	\$650 00

HIGHWAY DISTRICT NO. 9.

		DR.
To appropriation	\$500 00	
	<u> </u>	\$500 00
		CR.
Paid J. J. Garman, superintendent	\$196 75	
J. B. Varick Co., hardware	8 40	
L. A. Dickey, iron-work	7 73	
Daniels & Co., hardware	4 00	
Charles Bunton, iron-work	8 87	
labor of men and teams	270 48	
By balance on hand	3 77	
	<u> </u>	\$500 00

HIGHWAY DISTRICT NO. 10.

		DR.
To appropriation	\$1,600 00	
balance overdrawn	789 38	
	<u> </u>	\$2,389 38

CR.

Paid Wm. N. Chamberlin, superintendent	\$310 00	
James Kennard, gravel	33 10	
J. B. Varick Co., hardware	71 86	
A. N. Clapp, nails, etc.	5 87	
G. W. Goffe, lumber and posts	37 00	
J. G. Holbrook, stone	16 50	
D. H. Morgan, carpenter work	5 00	
John Bryson, painting	3 17	
James Briggs, pails, dippers, etc.	11 28	
Wm. C. Rogers, hardware	10	
Stephen Austin, blacksmithing	14 40	
E. Hartshorn, sand	9 35	
A. C. Wallace, lumber	42 05	
Moulton & Co., ladder	1 80	
D. F. Cressey & Co., blacksmithing	15 40	
labor of men and teams	1,812 50	
	<u> </u>	\$2,389 38

HIGHWAY DISTRICT NO. 11.

DR.

To appropriation	\$1,000 00	
balance overdrawn	87 87	
	<u> </u>	\$1,087 87

CR.

Paid Jas. E. Bailey, superintendent	\$400 50
Daniels & Co., hardware	15 32

Paid S. L. Flanders, powder, salt, etc.	\$1 86	
L. N. George, gravel	11 05	
labor of men and teams	659 14	
	<u> </u>	\$1,087 87

HIGHWAY DISTRICT NO. 12.

		DR.
To appropriation	\$300 00	
	<u> </u>	\$300 00
		CR.
Paid City Farm for labor	\$267 36	
By balance on hand	32 64	
	<u> </u>	\$300 00

HIGHWAY DISTRICT NO. 13.

		DR.
To appropriation	\$200 00	
balance overdrawn	21 86	
	<u> </u>	\$221 86
		CR.
Paid J. H. Campbell, superinten- dent	\$33 00	
labor of men and teams	188 86	
	<u> </u>	\$221 86

NEW HIGHWAYS.

		DR.
To appropriation	\$7,000 00	
reserved fund	3,500 00	
	<u> </u>	\$10,500 00

CR.

Paid A. Bodwell & Son, stone	\$35 00	
W. H. Landry, stone, labor	171 00	
Lamson & Marden, repairing tools	6 67	
D. F. Cressey, repairing tools	15 65	
R. W. Flanders, repairing tools	30 58	
H. F. Thompson, repairing tools	2 98	
James Benson, Jr., repairing tools	6 30	
T. D. Parent, repairing tools	5 53	
T. D. Parent, repairing tools	6 55	
A. N. Clapp, powder and fuse	3 20	
J. B. Varick Co., hardware	1 05	
H. Fradd & Co., kerosene oil labor of men and teams	10,013 78	
By balance on hand	200 98	
	<hr/>	\$10,500 00

LAND DAMAGE.

DR.

To appropriation	\$1,250 00	
	<hr/>	\$1,250 00

CR.

Paid A. H. Lowell	\$21 73	
Nancy J. Searles	182 87	
George S. Smith	5 00	
Manchester & N. W. R. R.	50 00	
R. N. Whittemore	84 37	
Joseph B. Clark	99 64	
H. S. Whitney	727 54	
By balance on hand	78 85	
	<hr/>	\$1,250 00

WATERING STREETS.

		DR.
To appropriation	\$3,500 00	
balance overdrawn	994 53	
	<hr style="width: 100%;"/>	\$4,494 53
		CR.
Paid J. B. McCrillis & Son, repair- ing carts	\$44 76	
Manchester Water Works, water	1,880 00	
Pike & Heald, repairing carts	37 36	
Thomas A. Lane, repairing stand-pipes	41 16	
A. P. Frye, repairing carts	5 50	
Abbot-Downing Co., Monitor	465 00	
J. Stickney, hose, etc.	3 50	
labor of men and teams	2,017 25	
	<hr style="width: 100%;"/>	\$4,494 53

LIGHTING STREETS.

		DR.
To appropriation	\$8,500 00	
reserved fund, amount trans- ferred	1,800 00	
balance overdrawn	173 35	
	<hr style="width: 100%;"/>	\$10,473 35
		CR.
Paid N. E. Weston Electric Light Co., electric lights	\$3,983 83	
Manchester Gas Co., gas	3,477 86	

Paid Manchester Gas Co., setting posts, etc.	\$101 38
George H. Dunbar, lighting streets, etc.	2,109 85
F.S. Worthen, lighting streets, etc.	444 11
F. S. Worthen & Son, setting posts, etc.	68 10
James Briggs, repairing lamps, etc.	106 57
Daniels & Co., glass	19 05
A. H. Lowell, lamp-posts and frames	70 87
T. A. Lane, burners, etc.	2 58
Hunkins & Wilson, resetting lamp-posts, etc.	8 95
J. B. Varick, glass, etc.	16 95
Wm. C. Rogers, glass, etc.	9 00
Brock & Driscoll, repairing lanterns, etc.	40 05
James S. Bacheler, plumbing	1 90
F. Riedel, lamp-fixtures, naphtha, etc.	5 30
Killey & Wadleigh, glass	7 00
	<hr/> \$10,473 35

PAVING STREETS.

	DR.
To appropriation	\$6,000 00
reserved fund, amount transferred	1,836 04
balance overdrawn	196 70
	<hr/> \$8,032 74

CR.

Paid John B. Clarke, paving-stone	\$398 10	
C. H. Roby, concreting .	3,736 52	
Ira N. Plumer, paving-stone	274 50	
Charles A. Bailey, block paving, ing, etc.	750 79	
J. Fogg, paving-stone . .	70 00	
Thomas Bolton, paving-stone	21 00	
J. H. Giddings, paving-stone	4 50	
Stark Mills, block paving .	250 00	
labor of men and teams .	2,527 33	
	<hr/>	\$8,032 74

MACADAMIZING STREETS.

DR.

To appropriation	\$5,000 00	
Amoskeag Manufacturing Co., repairing crusher	248 79	
	<hr/>	\$5,248 79

CR.

Paid J. G. Holbrook, stone .	\$41 00
G. H. Dunbar, " .	19 00
S. P. Worthley, " .	105 00
Joseph Tirrell, " .	117 00
H. A. Horton, " .	80 00
Ira N. Plumer, " .	191 00
Chas. H. Simpson, " .	41 00
Daniel Butterfield, " .	141 00
H. S. Plumer, " .	111 00
James Fullerton, " .	135 00
J. Paige, " .	81 00
J. Nutt, " .	37 00
James Kennard, " .	24 50

Paid Wm. Campbell, stone	\$2 00	
Benjamin Plumer "	6 00	
Charles Rankin, "	68 00	
John Kennard, "	47 75	
E. W. Butterfield, "	10 00	
George Whitford, "	27 00	
J. L. Fogg, "	14 00	
H. Willey, "	47 00	
P. O. Woodman, "	42 00	
Palmer & Garmon, "	14 25	
T. L. Thorpe, waste	2 55	
Hutchinson Bros., repairing crusher, etc.	75 37	
J. B. Varick Co., hardware, etc.	20 19	
Manchester Water Works, water	30 00	
Concord Railroad, freight	1 80	
Thos. A. Lane, repairing crusher	40	
L. M. Aldrich, filing saw, etc.	3 64	
Lamson & Marden, repairing tools	10 90	
Amoskeag Manufacturing Co. stone, etc.	264 41	
labor of men and teams	4,023 98	
By balance on hand	232 57	
	<hr/>	\$5,248 79

GRADING FOR CONCRETE.

		DR.
To appropriation	\$3,000 00	
balance overdrawn	519 63	
	<hr/>	\$3,519 63

CR.

Paid C. M. Dodge, grading Myrtle and Russell streets	\$69 50	
Wm. Landry, blasting stone, etc.	240 07	
Charles A. Bailey, stone	67 05	
Warren Harvey, stone curb- ing	38 70	
labor of men and teams	3,104 31	
	<hr/>	\$3,519 63

SEWERS AND DRAINS.

DR.

To appropriation	\$20,000 00	
sewer licenses	1,548 60	
	<hr/>	\$21,548 60

CR.

Paid F. B. Potter, drain pipe	\$6,315 10
Drake & Carpenter, cement	167 55
Pettee & Adams, cement	132 75
Merrill Bros., cement	1 70
Natt & W. F. Head, brick	727 50
John Cayzer, rubber boots	19 00
C. H. Thayer, rubber boots	6 50
Head & Dowst, lumber	62 10
A. H. Lowell, cesspool cov- ers, grates, etc.	384 27
Thos. A. Lane, hose, sewer pipe, etc.	77 94
J. B. Varick Co., hardware	10 23
H. Fradd & Co., salt, kero- sene oil, etc.	8 85

Paid A. N. Clapp, powder, fuse, etc.	\$11 95
D. F. Cressey, repairing tools, etc.	30 30
Carpenter & Pippin, Akron pipe	17 10
James Briggs, scoop, etc.	6 90
Mrs. M. E. Groux, supper for men	8 00
A. Bodwell & Son, cesspool stone	91 00
Pike & Heald, lantern, etc.	4 22
Concord Railroad corpora- tion, freight	16 20
Concord Railroad corpora- tion, freight	5 40
H. A. Horton, stone	1 00
J. Stickney, rubber clothing	14 00
L. B. Bodwell & Co., coal and wood	30 34
labor of men and teams	12,393 51
By balance on hand	1,005 19
	<hr/> \$21,548 60

 BRIDGES.

		DR.
To appropriation	\$3,500 00	
reserved fund, amount trans- ferred	6,000 00	
	<hr/>	\$9,500 00

CR.

Paid A. C. Wallace, lumber	\$422 50	
Geo. Holbrook, lumber and labor	184 95	
L. M. Aldrich, lumber and labor	33 54	
Joseph Dana, building bridges	753 50	
Alpheus Gay, lumber and labor	281 08	
J. Bryson, Jr., painting	108 95	
Joel Daniels & Co., painting	387 50	
Warren Harvey, stone-work, etc.	2,868 76	
D. F. Cressey & Co., iron-work	8 56	
Thos. A. Lane, repairing rail	1 75	
D. Wells, lumber	18 72	
A. Bodwell & Son, stone	56 00	
Irada Poor, lumber	14 00	
F. E. McKean, sand	32 50	
Thorp & Bartlett, tinning Granite bridge	232 27	
C. H. Robie, concreting McGregor bridge	2,656 70	
A. N. Clapp, spikes	24	
labor of men and teams	1,401 94	
By balance on hand	36 62	
	<hr/>	\$9,500 00

COMMONS.

To appropriation	\$3,500 00	
A. H. Lowell, overdraft	1 20	
John Madden, overdraft	2 50	

DR.

To reserved fund, amount transferred	\$1,200 00	
balance overdrawn	118 64	
	<hr/>	\$4,822 34
		CR.

Paid William P. Scott, superintendent	\$42 00
F. S. Worthen, superintendent	551 25
F. S. Worthen & Son, plants	39 49
W. H. Vickery, repairing lawn-mower, etc.	1 85
Manchester Water Works, water	25 00
Hutchinson Bros., iron-work	5 60
Pettee & Adams, cement	4 80
A. J. Sawyer, lumber	17 60
Daniels & Co., lawn-mower, hardware, etc.	37 23
A. C. Wallace, lumber	31 60
Wm. C. Rogers, hardware, etc.	3 35
J. F. Sargent, iron-work	3 70
J. B. Varick Co., hardware, etc.	18 38
A. J. Sawyer, lumber	3 52
J. J. Abbott, painting	22 29
Chas. H. Robie, concreting walks	647 55
Thos. A. Lane, pipe, plumbing, etc.	199 49
A. H. Lowell, iron-work, etc.	37 04
Chas. A. Bailey, stone curbing	2,220 74

Paid L. M. Aldrich, lumber, etc. .	\$18 13	
W. Ireland, lumber, etc. .	29 15	
A. Bodwell & Son, stonework	17 75	
Lamson & Marden, stonework	55 60	
labor of men and teams .	789 23	
		\$4,822 34

INCIDENTAL EXPENSES.

		DR.
To appropriation	\$35,000 00	
F. Higgins, land on Lowell street	517 92	
L. D. Goodwin, overdraft	25 00	
J. B. Varick, overdraft	3 90	
A. J. Sawyer, overdraft	44 94	
L. K. Mead, overdraft	1 75	
Buffalo School Furniture Co., overdraft	172 50	
Miller, McNeil, & Co., overdraft	16 00	
T. A. Lane, overdraft	20	
W. C. Rogers, overdraft	11 85	
Samuel Neal, old brick	4 00	
reserved fund, am't transferred	10,000 00	
balance overdrawn	10,599 16	
		\$56,397 22

		CR.
Paid Mead, Mason, & Co., brick-work, window-frames, etc.	\$3,636 88	
Hutchinson Bros., iron-work	1,157 01	
A. F. Cate, labor, etc.	798 51	
Manchester Locomotive Works, boiler, etc.	644 25	
A. C. Wallace, lumber	1,457 89	

Paid Parker & Son, brick-work	\$302 70
Wm. M. Butterfield, architect	544 39
Concord Railroad, freight on brick	496 31
Clark Bros., teaming	492 65
J. H. & T. Cunningham, radi- ators, etc.	935 75
Pike & Heald, tinning, etc.	551 84
S. C. Forsaith Machine Co., lumber	7 58
E. R. Morse & Co., vault doors	150 00
Frank Fogg & Co., plumbing	19 50
Lamson & Marden, cutting stone, etc.	11 19
J. C. Young, roofing	315 02
Wm. C. Rogers, hardware, etc.	360 00
J. B. Varick Co., hardware, etc.	70 60
Daniels & Co., hardware	9 34
Killey & Wadleigh, hardware	72 07
H. C. Weeden, plumbers' supplies	1,162 00
F. S. Bodwell, stone-work	2,123 00
Jesse Gault, brick	3,902 21
Charles Bunton, iron-work	9 90
Fogg & Donnelly, plumbing etc.	333 23
Stillman & Nicoll, gas-fix- tures, etc.	160 29
Jeremiah Carew, freestone	1,682 00
E. P. Johnson & Co., wood	10 40
A. B. Cushing, teaming	13 50
J. F. Sargent, blacksmithing	40

Paid Carpenter & Robinson, mason work	\$63 90
A. D. Carpenter, inspector police station	374 64
labor of men and teams	893 90
Pike & Heald, plumbing, etc.	281 26
Clark Bros., teaming	75 00
Concord Railroad, freight	154 93
George D. Towne, return of births and deaths	1 50
Charles F. George, return of births and deaths	25
E. A. Lanouette, return of births and deaths	10 50
C. B. Sturtevant, return of births and deaths	1 00
C. F. Bonney, return of births and deaths	2 75
Aime Lacerte, return of births and deaths	3 00
Thomas Wheat, return of births and deaths	3 00
D. S. Adams, return of births and deaths	1 75
W. J. Sleeper, return of births and deaths	1 25
R. J. P. Goodwin, return of births and deaths	1 25
H. de W. Carvelle, return of births and deaths	1 25
M. Richard, return of births and deaths	14 00
J. E. Lamaitre, return of births and deaths	3 50

Paid C. M. Dodge, return of births and deaths	\$7 75
W. W. Wilkins, return of births and deaths	4 00
O. D. Abbott, return of births and deaths	5 50
J. A. Jackson, return of births and deaths	8 00
J. W. Mooar, return of births and deaths	2 00
L. M. French, return of births and deaths	9 00
L. French, return of births and deaths	12 00
J. W. D. MacDonald, return of births and deaths	20 50
H. W. Boutwell, return of births and deaths	2 00
C. A. Manning, return of births and deaths	1 00
Charles F. Flanders, return of births and deaths	3 75
James Sullivan, return of births and deaths	77 00
L. B. How, return of births and deaths	2 25
Chas. Corey, return of births and deaths	1 25
A. D. Smith, return of births and deaths	75
Charles F. George, return of births and deaths	25
J. P. Walker, return of births and deaths	1 75

Paid James G. Sturgis, return of births and deaths . . .	\$4 75
John Ferguson, return of births and deaths . . .	17 75
J. Sullivan, professional ser- vices	30 00
G. W. Bourne, professional services	50 00
Dr. L. French, return of births and deaths	3 25
C. M. Dodge, professional ser- vices	15 00
G. W. Bourne, return of births and deaths . . .	1 75
L. French, return of births and deaths	9 25
H. W. Boutwell, return of births and deaths . . .	4 50
Pearson & Wilkins, profes- sional services	32 50
J. W. D. MacDonald, return of births and deaths . . .	27 00
L. French, return of births and deaths	4 00
H. W. Boutwell, professional services	1 50
C. M. Dodge, return of births and deaths	16 00
J. E. Lamaitre, return of births and deaths . . .	14 75
C. B. Sturtevant, return of births and deaths . . .	2 50
George W. Nutter, return of births and deaths . . .	4 75

Paid L. French, returns of births and deaths	\$3 50
J. W. Mooar, burying nui- sances	9 00
E. O. Pearson, return of births and deaths . . .	3 50
E. Mongeon, return of births and deaths	2 75
Chas. Corey, return of births and deaths	1 50
A. C. Wallace, lumber . . .	210 83
Austin, Flint, & Day, lumber . . .	39 18
J. Hodge, lumber	32 42
Head & Dowst, lumber	51 51
W. R. Gale, lumber and labor . . .	3,779 81
E. A. G. Holmes, lumber and labor	338 63
L. M. Aldrich, lumber and labor	27 77
George Holbrook, lumber and labor	266 31
D. H. Morgan, carpenter work . . .	54 05
J. H. Maynard, carpenter- work	29 00
A. F. Cate, carpenter-work	650 00
A. F. Cate, carpenter-work	91 92
Austin Goings, carpenter- work	34 55
Amos Heath, damage to land	30 00
J. W. Conant, personal injuries . . .	350 00
Burns & Poore, damage to sheds and coal	10 00
Sarah A. Davis, damage to person	2,214 10

Paid Adeline Geoffroy, damage to person	\$1,025 00
Agnes McComb, damage to person	25 00
Jason Weston, damage to garden	100 00
Wm. T. Morgan, damage to team	25 00
T. M. Conant	624 59
A. W. Prescott, damage to team	20 00
W. E. Prescott, damage to person	40 00
Timothy Carr, execution	210 92
A. W. Read & Son, damage to horse	25 00
State Industrial School, execution	50 68
C. H. Flagg, damage to team	50 00
Manchester Water Works, water	159 89
C. H. Robie, concreting	280 52
Charles Powers, bounty on woodchuck	10
Elton W. Morgan, bounty on woodchucks	20
Eddie A. Moore, bounty on woodchucks	2 40
L. D. McDonald, bounty on woodchucks	40
Alvin Bean, bounty on woodchucks	40
Byron Blodgett, bounty on woodchucks	20

Paid James Rowell, bounty on woodchuck	\$0 10
James Rogers, bounty on woodchucks	20
H. W. Brockway, bounty on woodchuck	10
Michael O'Hern, bounty on woodchuck	10
B. M. Corning, bounty on woodchucks	20
L. D. McDonald, bounty on woodchucks	30
L. D. McDonald, bounty on woodchuck	10
Moses Tracy, bounty on woodchucks	40
L. D. Colby, bounty on wood- chucks	40
Samuel McElroy, bounty on woodchucks	40
J. A. Barker, care of library boiler	128 00
Manchester Gas Co., gas . .	44 32
W. H. Bennett, assistant en- gineer	554 50
H. W. Horne, assistant en- gineer	355 15
W. D. Hunter, assistant en- gineer	346 50
Frank A. Gay, assistant en- gineer	59 08
George H. Allen, repairing tapes, ink, stationery, etc.	56 31
Warren Harvey, stone and stone-work	4,895 63

Paid A. Bodwell & Son, stone watering-troughs . . .	\$158 00
Wm. Landry, troughs . . .	53 50
A. Bodwell & Son, stone troughs	29 50
John B. Clarke, advertising, etc.	207 71
Republican Press Association, advertising, etc.	8 50
Kendall & Ladd, advertising, etc.	20 25
Temple & Farrington, blank-books, etc.	242 45
Union Publishing Co., advertising, etc.	315 22
J. C. Nichols & Son, teams	8 00
C. H. Simpson, teams	225 00
James Bros., teams	96 50
George W. Reed, teams	56 00
E. T. James, teams	20 25
Cavanaugh Bros., teams	104 96
C. C. Perry, teams	90 25
Jos. A. Brown, teams	1 50
F. X. Chenette, teams	8 00
Burnham & Co., teams	9 35
J. P. Buswell, trucking	75
C. H. Hodgman & Co., trucking	2 74
Thomas A. Lane, stand-pipes, etc.	265 63
Pike & Heald, furnace, plumbing, etc.	281 50
A. H. Lowell, iron stay-bars	6 45
Hutchinson Bros., iron-work	8 82

Paid Wm. H. Hill blacksmithing	\$5 75
D. F. Cressey, blacksmithing	7 00
S. C. Forsaith Co., lumber	9 25
Thorp & Avery, furnace, etc.	263 56
Daniels & Co., hardware, etc.	50 16
J.B.Varick Co.,hardware,etc.	58 16
J.B.Varick Co.,hardware,etc.	2 87
Wm.C. Rogers, hardware,etc.	174 33
Isaac S. Coffin, tin cups and chains	4 88
Sulloway,Topliff,& O'Connor, professional services . . .	392 21
Granite State Telephone Co.	1 10
L. N.Dufrain, repairing pump	3 00
Concord Railroad, freight .	75
Clark Brothers, teaming .	10 00
Jas. S. Batchelder, plumbing	2 00
Hunkins & Wilson, plumbing	1 50
N. P. Kidder, making city report	150 00
George E. Mitchell, damage to goods	60 00
E. P. Johnson & Co., express, etc.	5 50
E. P. Johnson & Co., wood .	13 50
H. C. Dickey, labor . . .	20 00
H. D. Gordon, chairs . . .	16 00
C. H. Reed, professional ser- vices	10 00
C. C. Harriman, use of land	5 50
F. P. Colby, moving piano at Bakersville school-house .	2 00
Elliott Manufacturing Co. .	3 75
Wm. H. Vickery, keys, etc.	11 50

Paid Concord Railroad, freight on coal	\$117 07
John Barnes, blacksmithing	4 90
H. P. Simpson, expenses to Portsmouth and Boston	10 00
E. P. Johnson, expenses to Portsmouth and Boston	10 00
Fire King, reserve engine, pumping out cellars	13 20
H. W. Herrick, water-color painting, old City Hall	15 00
W. S. Davis, blotters, etc.	1 05
Concord Railroad, freight	34
George W. Prescott, witness fees, etc.	75 00
G. A. R., allowance for hall rent	100 00
H. B. Putnam, allowance for horse-hire	132 00
George A. Alger, repairing clock at pest-house	1 50
L. Searles, burying nuisances	7 50
N. P. Kidder, making returns of births, marriages, and deaths	408 60
L. K. Mead, splint, etc.	1 75
Isaac L. Heath, revising ordinances	250 00
H. P. Simpson, expenses to Salem and Boston	7 25
C. C. Webster, watering-trough, 1878-79-80-81-82-83	18 00

Paid M. H. Lathrop, duplicate taxes, 1881-82-83 . . .	\$24 57
Fred Allen, building portion of Hanover street . . .	90 00
E. P. Johnson, expenses to Salem and Boston . . .	7 25
Buff & Berger, repairing transit	28 20
C. H. Reed, professional services	50 00
G. W. Varnum, labor at court-house yard	2 50
John Waters, labor on sidewalk	2 50
Hunkins & Wilson, plumbing	2 94
J. M. Crawford, labor on census	30 00
D. O. Legendre, labor on census	22 00
Irak Poor, cedar posts	40 00
William Shepard	1 00
N. P. Kidder, expressage, etc.	4 15
J. F. Clough, expenses to Suncook and Andover	7 00
S. P. Cannon, expenses to Suncook and Andover	3 00
Standard School Furniture Co., furniture for Bakersville school-house	82 99
Elliott Manufacturing Co.	2 60
H. P. Simpson, expenses to Hooksett and Portsmouth	6 50
E. P. Johnson, expenses to Hooksett and Portsmouth	6 50

Paid Concord R. R. Corp., freight	\$12 33
Concord R. R. Corp., freight	51
J. S. Bachelor, plumbing .	7 00
A. A. Moore, repairing lightning rods	266 00
Campbell & Robinson, maple trees	73 50
Thomas Badger, tax 1884, paid twice	1 59
E. P. Johnson, teaming desks	3 50
George Thompson, shade trees	65 00
T. W. Challis, labor on census	44 80
George W. Prescott, witness fees, etc.	85 28
O. D. Carpenter, mason-work	1 91
Timothy Sullivan, burying nuisances	8 00
H. C. Dickey, repairing school-house fence	10 50
Judith Sherer, care pest-house	270 00
George W. Varnum, posting health notices	7 50
C. H. Reed, professional services	13 00
F. W. Follansbee, moving building	100 00
Charles E. Cochran, professional services	5 00
Dana W. King, recording deeds	96
Harden Hand Grenade Co., grenades	74 10

Paid T. L. Thorpe, expenses to Concord	\$1 50
Oran J. Berg, labor on census	3 00
Christian Irion, labor on cen- sus	5 00
Fred Stott, labor on census .	6 00
W. E. Gilmore, labor on census	70 22
William B. Patten, labor on census	87 26
Isaac Whittemore, labor on census	82 22
L. D. Goodwin, labor on cen- sus	84 00
J. M. Collity, professional services	5 00
J. J. Abbott, painting sign .	20 00
Daniel W. Lane, referee in case Seth Hill <i>vs.</i> Manches- ter	9 00
D. F. Clark, referee in case Seth Hill <i>vs.</i> Manchester .	4 50
H. P. Simpson, expenses to Suncook and Portsmouth .	8 50
E. P. Johnson, expenses to Suncook and Portsmouth .	10 00
Pettee & Adams, cement .	21 00
Clough & Clark, professional services	1 50
G. W. Varnum, distributing health notices	11 25
George C. Hoitt, professional services	5 00
R. E. Bean & Co., binders .	55

Paid Manchester Novelty Co., dating-stamp	\$7 23
Briggs & Huse, professional services	150 00
C. H. Reed, professional services	23 00
committee on cemeteries, expenses to Boston	15 00
committee on commons, expenses to Boston	15 75
H. C. Dickey	4 50
J. M. Crawford, labor on census	80 00
J. M. Crawford, labor on census	125 00
L. D. Goodwin, labor on census	25 00
F. H. Challis, labor on census	53 56
L. H. Lamprey, labor on census	127 60
Fred W. Cheney, labor on census	60 46
Daniel F. Healy, labor on census	154 94
P. A. Collins, labor on census	22 00
T. J. Howard, labor on census	16 00
F. W. Follansbee, moving building	140 00
John R. Stokes	20 00
John Moss, labor on Bald Hill road	33 00
S. B. Putnam, auditing collector's account	25 00
H. C. Dickey, labor	13 80

Paid H. C. Dickey, labor . . .	\$10 50
Daniel Healy, whitewashing tree-boxes, etc.	81 05
George W. Prescott, witness fees, etc.	478 22
William M. Butterfield, plan engine-house	105 00
Berlin Iron Bridge Co., bridges, etc.	4,452 92
J. B. Maynard, labor	48 00
Daniel Stevens, labor	72 00
Felix Bourjoie, labor	18 00
James Richards, cleaning vaults	17 00
George E. Morrill, distribut- ing notices, etc.	50 68
Manchester post-office, stamps, etc.	2 22
E. P. Johnson	7 50
E. P. Johnson & Co., wood . .	7 75
H. D. Gordon, wood chairs . .	12 00
G. F. Boshier & Co., profes- sional services, etc.	14 00
Wm. H. Hill, blacksmithing . .	2 50
Mrs. F. J. Clement	1 00
Weston & Hill, dry goods . .	1 90
G. W. Butterfield, damage to wagon	4 00
J. J. Abbott, painting	102 98
J. Bryson, Jr., painting	21 90
H. P. Simpson, expenses to Boston	9 00
E. P. Johnson, expenses to Boston	5 50

Paid Buffalo School Furniture Co.	\$345 00
C. H. Reed, professional services	28 90
C. H. Burns, professional services	125 00
Lamson & Marden, stonework	34 65
G. H. Wheeler, setting hitching-posts	5 75
Irad Poor, cedar posts	20 60
James R. Carr, painting	8 50
L. Searles, burying nuisances	17 00
Nathaniel Baker, witness fees, etc.	2 00
J. M. Crawford, labor on census	20 00
J. M. Crawford, labor for inspectors of check-lists	83 25
county commissioners, hearing on Rowell street	33 60
Miller, McNeil, & Co., desk	16 00
Thomas Dunlap, repairing clocks	50 00
Carpenter & Robinson, mason-work	33 02
Alfred Quimby, overpayment of tax, 1882	56 70
George E. Morrill	47
George E. Warren, error in assessment	1 10
E. P. Johnson & Co., coal	76 50
James S. Bacheler, plumbing	75

Paid C. H. Reed, professional services	\$9 00
L. Searles, burying nuisances	7 50
Thomas A. Lane, plumbing	3 65
J. Bryson, Jr., painting	14 40
Charles A. Bailey, flagging stone	212 00
D. C. Whittemore, allowance on road	20 00
Dr. J. Alexander, professional services	2 00
Jesse Gault, brick for engine-house	448 28
George W. Prescott, court expenses	6 40
county commissioners, Gilford case	46 60
Clague, Schlicht, & Field, letter files and cases	8 05
L. Searles, burying nuisances	7 00
Republican Press Association, advertising non-resident taxes	5 40
N. S. Bean, inspecting and testing boilers	72 00
W. E. Gilmore, return and stationery	2 54
S. B. Putnam, expenses to Concord	1 00
C. H. G. Foss, expenses buying hook-and-ladder truck	15 00
Daniel Connor	18 00
O. D. Abbott, professional services	9 00

Paid C. M. Bailey, brooms, etc.	\$5 02	
Manchester Locomotive Works	2 00	
Manchester Water Works, water	35 63	
James Sullivan, professional services	17 50	
A. J. Sawyer, lumber	2 25	
J. H. Proctor, labor	4 00	
Buff & Berger	17 91	
C. H. Robie, concreting labor of men and teams	589 67	
	223 77	
	<u> </u>	\$56,397 22

AMOSKEAG CEMETERY.

		DR.
To reserved fund, amount transferred	\$300 00	
	<u> </u>	\$300 00
		CR.
Paid W. H. Bennett, staking lots	\$3 00	
W. D. Hunter, staking lots	2 25	
F. A. Gay, staking lots	4 51	
H. W. Horne, staking lots	6 00	
By balance on hand	284 24	
	<u> </u>	\$300 00

PINE GROVE CEMETERY.

		DR.
To balance from old account	\$4,315 20	
appropriation	7,000 00	

To J. F. James, lots sold	\$226 96
S. B. Putnam, lots sold	935 46
B. A. Stearns, digging graves, etc.	769 93
	<hr/> \$13,247 55

CR.

Paid B. A. Stearns, superintendent	\$871 40
B. A. Stearns, expenses on shrubs	1 59
C. C. Webster, turf	16 65
F. X. Chenette, manure	22 75
S.B.Putnam, recording deeds, etc.	4 00
R.W.Flanders,repairing tools	3 95
H. C. Dickey, lot	15 00
J. F. Seaward,carpenter-work	210 55
L. A. Dickey, repairing tools	6 00
E. P. Johnson & Co., coal	7 00
J. B. Clarke, printing	60 20
J. W. Manning, shrubs, etc.	103 35
Daniels & Co., hardware, etc.	4 80
J. B. Varick Co., stone vases, hardware, etc.	137 22
Manchester Water Works, water	36 50
Manchester Water Works, laying pipes	375 00
W. H. Bennett, lines, grades, etc.	60 40
George H. Allen, team	19 00
H. W. Horne, lines and grades	24 75
F. A. Gay, lines and grades	16 92
W. D. Hunter, lines and grades	23 25

Paid A. C. Wallace, chestnut posts	\$15 00
J. Hodge, chestnut stakes, etc.	21 43
Head & Dowst, brick, lumber, etc.	32 75
A. H. Lowell, iron gates, posts, etc.	389 04
Palmer & Garmon, stone-work	73 35
T. A. Lane, water-pipes, plumbing, etc.	3,117 37
Schlegel & Fottler, flower roots	2 40
E. T. James, manure	39 39
William B. Abbott, painting fence.	31 69
Manchester post-office, envelopes	1 10
Pike & Heald, water-pails, broom, pots	6 70
J. F. James, services as treasurer	37 34
Temple & Farrington, stationery	2 49
F. B. Potter, mason-work	6 00
Wm. M. Butterfield, professional services	22 50
H. H. Huntress, filling vases with flowers	10 00
Spence & Bond, material and labor	18 00
H. C. Annis, part of lot	2 72
R. W. Flanders, iron-work	2 40
Warren Harvey, stone	25 00
M. V. B. Chase, maple trees	8 00

Paid Livingston & Kimball, printing	\$2 00	
E. P. Johnson & Co., coal	12 00	
heirs of E. A. Straw, land	3,090 00	
Stephen P. Moody, labor	6 00	
labor of men and teams	3,077 70	
By balance on hand	1,169 90	
		—————\$13,247 55

VALLEY CEMETERY.

DR.

To appropriation	\$2,000 00	
H. R. Pettee, digging graves, etc.	28 50	
F. B. Balch, digging graves, etc.	566 00	
S. B. Putnam	115 40	
		————— \$2,709 90

CR.

Paid F. B. Balch, superintendent	\$609 75
W. H. Bennett, engineering	9 00
F. A. Gay, engineering	1 50
W. D. Hunter, engineering	5 25
H. W. Horne, engineering	20 10
Daniels & Co., paints, hardware, etc.	64 41
Wm. C. Rogers, lawn-mower	11 50
J. B. Varick Co., vase, stone border, etc.	19 46
Pettee & Adams, cement	8 35
Manchester Water Works, water	102 90
J. J. Abbott, paint	76
George Whitford, loam, etc.	236 62

Paid J. M. Nutt	\$14 00	
Frank Dickey, loam	37 50	
T. A. Lane, iron pipes, etc.	267 85	
Wm. B. Abbott, painting fence	59 88	
A. H. Lowell, drinking-foun- tain, etc.	221 86	
Horace Stearns, stone-work .	20 00	
Charles H. Wood, painting signs	2 75	
Head & Dowst, lumber	7 01	
L. M. Aldrich, lumber and labor	3 35	
F. S. Worthen, maple trees	25 00	
J. H. Maynard, lumber	15 55	
S.B. Putnam, recording deeds	4 00	
J. F. James, recording deeds	6 00	
labor of men	621 01	
By balance on hand	317 54	
	<hr/>	\$2,709 90

FIRE DEPARTMENT.

		DR.
To appropriation	\$20,000 00	
Daniels Co., overdraft	1 85	
balance overdrawn	1,830 40	
	<hr/>	\$21,832 25

AMOSKEAG STEAM FIRE ENGINE Co. No. 1.

		CR.
Paid pay-roll of company	\$1,135 00	
Manchester Gas Co., gas	80 98	
George W. Butterfield, driver	217 00	

Paid Daniels & Co., hardware	\$9 21	
T. A. Lane, repairing harness, etc.	2 21	
Pike & Heald, cleaning pipe, etc.	1 00	
George H. Stearns, matches, etc.	1 80	
D.S. Ames, repairing harness, etc.	5 00	
J. R. Carr, hooks and rope	3 00	
J. S. Conroy, wood	8 00	
Manchester Locomotive Works, labor	9 60	
T. Berry, repairing chairs	1 50	
Jacobs, Whitcomb, & Co., clock	4 87	
J. T. Underhill, wood	15 00	
	<hr/>	\$1,494 17

N. S. BEAN STEAM FIRE ENGINE Co. No. 4.

CR.

Paid pay-roll of company	\$1,135 00
Manchester Gas Co., gas	65 74
Jeremiah Lane, driver	217 00
A. J. Morse, driver	4 50
Daniels & Co., hardware	12 26
A. H. Lowell, iron castings	3 79
George H. Stearns, matches, etc.	84
D.S. Ames, repairing harness, etc.	7 50
E.W. Kimball, swing-harness	100 00
J. R. Carr	5 50
D. A. Simons, cuspidores	5 25

Paid J. S. Conroy, wood . . .	\$8 00	
Manchester Locomotive Works, set wheels, painting, etc.	275 00	
Charles E. Berry, hames, etc.	72 10	
Sanborn Carriage Co., spring	25	
Wm. F. Rogers, name-plates	1 50	
J. T. Underhill, wood . . .	15 00	
	<hr/>	\$1,929 23

PENNACOOK HOSE Co. No. 1.

Cr.

Paid pay-roll of company . . .	\$1,545 00	
Manchester Gas Co., gas . . .	75 84	
W. L. Blenus, driver . . .	660 00	
M. W. Ford, Jr., extra driver	18 00	
W. S. Flagg, extra driver . . .	21 00	
Daniels & Co., sperm oil, etc.	1 85	
Daniels & Co., hardware . . .	4 73	
Wm. C. Rogers, hardware . . .	85	
J. B. Varick Co., chain bolts	50	
Pike & Heald, coal-hod, oil- can, etc.	1 03	
George H. Stearns, matches, etc.	3 14	
D. S. Ames, repairing har- ness, etc.	20 40	
Barnard & Pike, iron-work . . .	1 50	
J. J. Abbott, paint . . .	83	
D. A. Simons, cuspidores . . .	8 72	
Manchester Locomotive Works, repairing lanterns	4 75	
L. J. Flint, fitting boxes for grenades	4 00	
	<hr/>	\$2,372 14

MASSABESIC HOSE Co. No. 2.

CR.

Paid pay-roll of company . . .	\$995 00	
Manchester Gas Co., gas . . .	34 92	
Walter Seaward, driver . . .	120 00	
Daniels & Co., hardware . . .	4 50	
J. B. McCrillis & Son, iron- work	1 75	
Hunkins & Wilson, labor . . .	28	
D. S. Ames, repairing har- ness, etc.	19 00	
Temple & Farrington, opaque, labor, etc.	5 89	
Manchester One-Price Cloth- ing Co., reefers	51 00	
Thomas Dunlap, clock	4 87	
L. J. Flint, fitting boxes for grenades	4 00	
Geo. C. Lord, matches	20	
Geo. C. Lord, matches	23	
		<hr/> \$1,241 64

E. W. HARRINGTON HOSE Co. No. 3.

CR.

Paid pay-roll of company . . .	\$995 00
Manchester Gas Co., gas . . .	52 68
J. T. O'Dowd, driver	360 63
Sylvester Cate, sub. driver . . .	16 50
D. F. Cressey, iron-work	1 50
J. B. Varick Co., rubber hose . . .	6 00
H. Fradd & Co., brooms, matches, etc.	5 19
D. S. Ames, repairing harness, etc.	28 00

Paid H. C. Ranno, repairing harness, etc.	\$9 42	
Manchester Locomotive Works, painting, repairs, etc.	127 50	
Charles E. Berry, hames, etc.	48 00	
T. L. Thorpe, mop-waste	1 60	
L. Searles, use of wagon	10 50	
L. J. Flint, fitting boxes for grenades	4 00	
	<hr/>	\$1,666 52

MERRIMACK HOSE Co. No. 4.

CR.

Paid pay-roll of company	\$995 00	
Manchester Gas Co., gas	52 58	
Charles Rogers, driver	110 00	
Killey & Wadleigh, hardware	24	
Daniels & Co., hardware	1 97	
D. S. Ames, repairing harness, etc.	51 75	
E. W. Kimball, bit	75	
E. P. Johnson & Co., wood	10 75	
L. J. Flint, fitting boxes for grenades	4 00	
	<hr/>	\$1,227 04

EXCELSIOR HOOK AND LADDER Co. No. 1.

CR.

Paid pay-roll of company	\$1,935 00	
Manchester Gas Co., gas	49 84	
Charles M. Denyou, driver	217 00	
Daniels & Co., hardware	34 20	
Pike & Heald, lantern globes	6 92	
Geo. H. Stearns, matches, etc.	93	

Paid D. S. Ames, swing-harness, etc.	\$120 50	
Barnard & Pike, iron-work, etc.	8 25	
J. R. Carr., painting, etc.	11 10	
Manchester Locomotive Works, repairs	52 39	
Manchester Locomotive Works, repairs	2 50	
Chas. E. Berry, hames, etc.	68 00	
T. L. Thorpe, waste	50	
Manchester Axe Co., black- smithing	2 20	
	<hr/>	\$2,509 33

MISCELLANEOUS.

CR.

Paid Daniels & Co., hardware	\$3 20
D. S. Ames	2 00
Temple & Farrington, glass	3 00
A. H. Paige, badge	3 00
W. H. Vickery, fitting keys	95
C. G. Braxmar, badges	76 80
Hyde & Co., flag	21 50
O. P. Stone & Co., crackers and cheese at fire	3 22
Allen Fire Department Sup- ply Co., hose-jacket	2 50
Wm. S. Davis & Son, supply wagon and lanterns	307 50
A. L. N. Robertson, shavings	1 00
Weston & Hill, oil carpet, etc.	67 82
Chas. E. Berry, hames, etc.	149 60
Manchester Locomotive Works, labor	1 20

Paid Fuller, Leonard, & Small, repairing fireman's coat	\$1 00
Fuller, Leonard, & Small, rubber coats	25 00
Thomas W. Lane, chief engi- neer	300 00
Frank Hutchinson, assistant engineer	8 33
R. G. Manning, assistant en- gineer	100 00
O. E. Kimball, assistant engi- neer	100 00
J. F. Pherson, assistant engi- neer	100 00
Fred S. Bean, assistant engi- neer and clerk	125 00
John B. Clarke, printing	27 50
L. B. Bodwell & Co., wood	39 00
Wm. B. Abbott, painting	19 00
C. H. Hodgman & Co., truck- ing	2 00
Barnard & Pike, blacksmith- ing, etc.	17 95
J. B. McCrillis & Son, black- smithing, etc.	18 30
Wm. C. Rogers, hardware	1 03
A. H. Lowell, weights	3 42
A. H. Lowell, castings	4 91
T. A. Lane, plumbing	1 57
Daniels & Co., hardware	32 04
Concord R. R. Corp., freight	1 52
M. W. Ford; driving supply wagon	43 00
George H. Dudley, repairing	1 00

Paid Manchester Gas Co., gas	\$11 70
Manchester One-Price Cloth- ing Co., blankets	11 50
A. C. Wallace, lumber	1 25
George E. Davis, labor	5 00
George E. Davis, labor	5 25
E. W. Harrington Hose Co. No. 3	6 00
Massabesic Hose Co. No. 2	6 00
Pennacook Hose Co. No. 1	6 00
Merrimack Hose Co. No. 4	6 00
Excelsior Hook and Ladder Co. No. 1	6 00
N. S. Bean Steam Fire En- gine Co. No. 4	6 00
Amoskeag Steam Fire En- gine Co. No. 1	6 00
O. E. Kimball, freight	2 00
Harden Hand Grenade Co., hand grenades	80 00
J. B. Clarke, printing	14 50
W. S. Davis & Son, lantern globes	17 00
W. S. Flagg, driver	15 00
T. W. Lane, express, tele- grams, etc.	14 83
Samuel Eastman & Co., hose, etc.	2,402 47
Manchester Water Works, water	966 72
Stephen Gardner, care boiler	180 00
New England Telegraph and Telephone Co.	3 10
D. M. Goodwin	5 00
	<hr/>
	\$5,392 18

RECAPITULATION.

Paid Amoskeag Steam Fire Engine Co. No. 1 . . .	\$1,494 17	
N. S. Bean Steam Fire Engine Co. No. 4 . . .	1,929 23	
Pennacook Hose Co. No. 1 . . .	2,372 14	
Massabesic Hose Co. No. 2 . . .	1,241 64	
E. W. Harrington Hose Co. No. 3 . . .	1,666 52	
Merrimack Hose Co. No. 4 . . .	1,227 04	
Excelsior Hook and Ladder Co. No. 1 . . .	2,509 33	
miscellaneous . . .	5,392 18	
By reserved fund, am't transferred	4,000 00	
	<u> </u>	\$21,832 25

FIRE-ALARM TELEGRAPH.

		DR.
To appropriation	\$1,500 00	
	<u> </u>	\$1,500 00
		CR.
Paid Tristram Berry, superintendent	\$300 00	
Wm.C. Rogers, hardware, etc.	1 33	
Daniels & Co., hardware, etc.	34	
Killey & Wadleigh, hardware	18	
A. H. Lowell, zinc, etc.	158 00	
Concord R. R. Corp., freight	6 09	
J. H. Bunnell & Co., zinc, etc.	57 82	
Manchester Gas Co., gas	18	
J. B. Clarke, printing	16 00	

Paid T. W. Lane, roll-paper, etc.	\$4 25	
D. B. Varney, castings, etc. .	1 75	
Thorp & Bartlett, labor .	50	
George E. Davis, labor . .	3 00	
C. N. Lougee, labor . . .	11 00	
James Brothers, teams .	11 00	
C. H. Hodgman & Co., trucking	7 50	
A. B. Cushing, trucking .	11 25	
Charles L. Bly, battery-jars, etc.	32 18	
J. A. & W. Bird & Co., blue vitriol	45 70	
Edwin Rogers, gong, wire, etc.	200 42	
T. A. Lane, iron sink, etc. .	7 41	
William T. Smith	25 03	
C. B. Littlefield, oil, acid, etc.	4 80	
J. F. Sargent, blacksmithing	9 68	
A. J. Sawyer, lumber . . .	22	
William T. Smith	24 23	
L. A. Dickey, iron-work . .	3 75	
By balance on hand	556 39	
	<u> </u>	\$1,500 00

HYDRANT SERVICE.

DR.

To appropriation	\$20,000 00	
balance overdrawn	737 50	
	<u> </u>	\$20,737 50

CR.

Paid Manchester Water Works, water	\$20,737 50	
	<u> </u>	\$20,737 50

RESERVOIRS.

		DR.
To balance from old account	\$41 24	
	<u> </u>	\$41 24
		CR.
By balance to new account	\$41 24	
	<u> </u>	\$41 24

POLICE DEPARTMENT.

		DR.
To appropriation	\$17,000 00	
M. J. Jenkins, costs and fines	2,737 42	
J. C. Bickford, costs and fees	1,209 84	
balance overdrawn	5,133 47	
	<u> </u>	\$26,080 73
		CR.
Paid N. P. Hunt, judge	\$1,500 00	
I. L. Heath, special justice	56 00	
J. C. Bickford, clerk	300 00	
M. J. Jenkins, city marshal	855 00	
M. J. Jenkins, witness fees, conveying prisoners, etc.	630 10	
Eben Carr, assistant marshal	700 00	
Edgar Farrar, captain night patrol	851 65	
Hiram Stearns, night patrol	746 00	
J. F. Cassidy, night patrol	739 00	
James Bucklin, night patrol	747 00	
Lafayette Tebbetts, night pa- trol	747 00	

Paid L. M. Streeter, night patrol	\$764 00
Jeremiah Murphy, night patrol	767 00
James F. Dunn, night patrol	752 00
Ira P. Fellows, night patrol	809 00
Henry Harmon, night patrol	813 00
William H. Newhall, night patrol	746 00
B. N. Wilson, night patrol .	795 00
Chas. S. Brown, night patrol	729 00
Philip Riescher, night patrol	730 00
Michael Fox, night patrol .	750 00
Thomas Frain, night patrol .	785 00
Frank Bourrassau, night patrol	758 00
Michael Marr, night patrol .	750 00
Alcide Helie, night patrol .	733 00
Dennis McEvoy, night patrol	800 00
J. Floyd, night patrol . .	710 00
Timothy P. Shea, night patrol	726 00
John C. Colburn, day patrol	749 00
Randall W. Bean, day patrol	755 00
Charles H. Reed, day patrol	752 00
W. N. Ward, special police .	1 00
C. A. Burbank, special police	3 00
J. H. Tirrell, special police .	7 00
Archie Hill, special police .	8 00
Florance Sullivan, special police	20 00
Moses Tremblay, special police	7 00
Samuel Mitchell, special police	477 00
John Berry, special police .	42 00

Paid Daniel Stevens, special police	\$5 00
C. W. Arnold, special police	70 00
E. G. Woodman, special police	7 00
Geo. W. Varnum, special police	
licé	2 00
Patrick Dobbin, special police	32 00
D. C. Jackson, special police	5 00
Geo. Lovejoy, special police	3 00
C. D. Wells, special police .	4 00
J. H. Haughey, special police	8 00
A. J. Mayhew, special police	5 00
J. K. Rhodes, special police	2 00
Jules Faucher, special police	2 00
C. M. Stevens, special police	5 00
John Waters	4 00
George Varnum	6 00
L. H. Lamprey	8 00
Archie Hill	2 00
William Stevens	5 00
Daniel Stevens	10 00
C. D. Emerson	4 00
George Sibley	5 00
James Farley	10 00
William Hill	5 00
T. P. Heath	5 00
J. H. Haughey	8 00
C. A. Burbank	5 00
James C. Smith	5 00
D. C. Jackson	5 00
Willis N. Ward	8 00
James A. Bowker	5 00
Joseph H. Tirrell	10 00
Lawrence Connor	5 00
E. A. G. Holmes	5 00

Paid Julius Faucher . . .	\$8 00
D. S. Harriman . . .	2 00
George Livingston . . .	5 00
John Mayhew . . .	4 00
John Berry . . .	10 00
Charles D. Wells . . .	6 00
E. G. Woodman . . .	2 00
Archie Hill . . .	1 00
A. J. Mayhew . . .	16 00
C. A. Burbank . . .	8 00
Jules Faucher . . .	9 00
J. H. Tirrell . . .	16 00
Charles W. Stevens, special police . . .	16 00
John Barry, special police .	14 00
David C. Jackson, special police . . .	17 00
George A. Lovejoy, special police . . .	12 00
John E. Stearns, special police	9 00
Caleb D. Emerson, special police . . .	10 00
Henry H. Philbrick, special police . . .	7 00
J. C. Smith, special police .	10 00
Daniel Stevens, special police	18 00
Felix Bourgeois, special po- lice . . .	1 00
James Haughey, special po- lice . . .	12 00
Stephen P. Chase, special police . . .	10 00
Lawrence Connor, special po- lice . . .	11 00

Paid Chas. D. Wells, special police	\$7 00
Geo. E. Livingston, special police	14 00
James Farley, special police	2 00
Amos B. Page, special police	7 00
Geo. W. Page, special police	9 00
James W. Lathe, special po- lice	2 00
Alonzo W. Foster, special police	6 00
Willis N. Ward, special po- lice	10 00
A. C. Martin, special police	6 00
George Sibley, special police	2 00
Patrick H. Riley, special po- lice	2 00
Wm. Hill, special police	3 00
Justin N. Tuck, special po- lice	1 00
R. A. Challis, special police	10 00
L. H. Lamprey, special police	6 00
Patrick H. Riley, special po- lice	1 00
James C. Smith, special police	2 00
Levi Caldwell, special police	1 00
Wm. Hill, special police	2 00
Charles W. Stevens, special police	2 00
George A. Lovejoy, special police	2 00
D. P. & D. L. Perkins, pro- fessional services	4 00
A. C. Osgood, professional services	2 00

Paid J. P. Bartlett, professional services	\$8 00
H. E. Burnham, professional services	2 12
Charles E. Cochran, professional services	2 00
Clough & Clark, professional services	2 00
Daniel Davis, meals for prisoners	405 10
Western Union Telegraph Co., telegrams	40 95
W. H. Vickery, keys, etc.	4 00
C. H. Wood, painting and glazing	3 25
C. H. Simpson, teams	3 50
J. N. Foss, teams	8 00
J. A. Brown, teams	3 00
E. T. James, teams	110 75
W. J. Freeman, teams	1 25
S. A. Riddle, teams	3 00
H. M. Tarbell, team	3 00
John B. Clarke, printing	39 25
Frank H. Challis, printing	4 50
Ormond D. Kimball, printing	6 50
Campbell & Williams, printing	71 50
Challis & Campbell, printing	1 25
Temple & Farrington, stationery, etc.	13 46
T. W. Lane, stationery, etc.	18 80
Manchester Gas Co., gas	435 78
New England Telegraph and Telephone Co., telephones	116 60

Paid Granite State Telephone Co., telephones	\$24 90
D. Evans & Co., buttons	41 25
J. P. Lovell's Sons, police calls	30 00
Daniels & Co., sperm oil, etc.	8 40
Smith & Bly, crackers	36 25
A. H. Paige, badges	17 50
Higgins Bros., cuspidores	6 00
Manchester Steam Laundry, washing blankets, etc.	28 00
Weston & Hill, blankets	6 00
H. D. Gordon, office-chairs	9 00
City Farm, teams	6 00
C. M. Bailey, paper	1 62
J. N. Foss, team	3 00
T. A. Barker, lodging, etc.	36 00
	<hr/>
	\$26,080 73

CITY HALL.

		DR.
To appropriation	\$2,000 00	
N. P. Kidder, rents	2,337 36	
Hunkins & Wilson, overdraft	1 12	
New England Telegraph and Telephone Co., overdraft	21 00	
balance overdrawn	1,334 41	
school department, for coal	1,402 80	
	<hr/>	
	\$7,096 69	
		CR.
Paid Manchester Water Works, water	\$2,381 60	
E. P. Johnson, coal	73 43	

Paid J. Albert Walker, coal	\$2,784 00
Concord Railroad, freight on coal	609 00
H. J. Clark, trucking	244 50
Manchester Gas Co., gas	172 80
Head & Dowst, carpenter-work	85 00
George H. Dudley, carpenter- work	43 78
George Holbrook, carpenter- work	50
L. M. Aldrich, carpenter-work	46 15
Celinda Gorman, scrubbing floors, etc.	153 90
New England Telegraph and Telephone Co., telephone	51 00
Granite State Telephone Co., telephone	9 00
Weston & Hill, rugs, etc.	11 41
Hutchinson Bros., labor on bell, etc.	4 71
A. H. Lowell, iron-work	3 65
W. H. Vickery, keys	6 65
Pike & Heald, plumbing, etc.	85 34
T. A. Lane, plumbing, etc.	53 04
Daniels & Co., hardware	8 96
J. B. Varick Co., hardware	2 48
Killey & Wadleigh, hardware	1 91
George H. Stearns, matches, brooms, etc.	11 42
H. D. Gordon, chair	4 00
Hunkins & Wilson, gas fitting	11 56
C. H. Wood, painting	3 50
J. J. Abbott, painting	48 19
Otis Whidden, labor	3 50

Paid Mrs. J. A. Barker, repairing awning	\$0 75	
J. A. Barker, broom, etc.	1 15	
C. M. Bailey, paper	5 78	
C. W. Butler, repairing cell, etc.	6 50	
Carpenter & Robinson, mason-work	29 85	
Bennett & Lord, mason-work	45 25	
J. S. Holt & Co., soap	18 98	
H. D. Gordon, chairs	9 00	
J. S. Bacheler, plumbing	1 35	
Straw & Lovejoy, repairing clocks	40 75	
Gideon Flanders, ice	11 00	
Edward N. Fogg, mug	10	
C. M. Bailey, paper	10 00	
City Hall drug-store, bug-poison	1 25	
	<u> </u>	\$7,096 69

FIREMEN'S PARADE.

		DR.
To appropriation	\$300 00	
balance overdrawn	45 66	
	<u> </u>	\$345 66
		CR.
Paid Manchester War Veterans' Drum Corps, music	15 00	
First Regiment Band, music	53 00	
T. W. Lane, stationery	5 16	
T. A. Barker, caterer	214 50	
Cavanaugh Bros., teams	58 00	
	<u> </u>	\$345 66

PRINTING AND STATIONERY.

		DR.
To appropriation	\$1,500 00	
reserved fund, amount trans-		
ferred	500 00	
	\$2,000 00	
		CR.
Paid Manchester post-office	\$47 48	
T. W. Lane	20 60	
Livingston & Kimball	39 75	
O. D. Kimball	4 00	
Temple & Farrington	46 10	
John B. Clarke	1,793 49	
Campbell & Williams	36 50	
D. B. Brooks & Co., ink	2 25	
J. Q. Bradish & Co., pens	3 00	
Alexander Cook, pens	2 00	
Manchester post-office	3 30	
By balance on hand	1 53	
	\$2,000 00	

REPAIRS OF BUILDINGS.

		DR.
To appropriation	\$1,800 00	
reserved fund, amount trans-		
ferred	800 00	
balance overdrawn	297 89	
	\$2,897 89	
		CR.
Paid Killey & Wadleigh, hardware	\$0 12	
Daniels & Co., hardware	28 76	
J. B. Varick Co., hardware	35 85	

Paid W. W. Hubbard, lumber	\$18 50
Austin, Flint, & Day, lumber	4 40
A. C. Wallace, lumber	3 75
J. Hodge, lumber	19 81
L. M. Aldrich, carpenter-work	251 24
E. A. G. Holmes, carpenter-work	108 28
Tristram Berry, carpenter-work	12 00
J. F. Seaward, carpenter-work	4 54
George Holbrook, carpenter-work	14 78
Flint & Little, carpenter-work	143 99
Alpheus Gay, carpenter-work	334 15
Geo. W. Rief, carpenter-work	82 10
A. F. Cate, carpenter-work	150 50
W. R. Gale, carpenter-work	38 78
L. J. Flint, carpenter-work	3 02
D. H. Morgan, carpenter-work	1 65
J. Bryson, Jr., painting	646 02
J. J. Abbott, painting	120 49
J. R. Carr, painting	20 35
Louis Wolf, plumbing	1 50
J. S. Bacheler, plumbing	3 75
Pike & Heald, plumbing	67 67
T. A. Lane, plumbing	105 88
J. L. Kennedy, painting	51 09
J. J. Bennett, mason-work	3 75
Carpenter & Pippin, mason-work	2 00
F. B. Potter, mason-work	20 50
F. T. Dickey, mason-work	74 07
Carpenter & Robinson, mason work	19 15

Paid A. N. Clapp, nails, etc.	.	\$3 53	
E. J. Williams, roofing	.	127 90	
Pettee & Adams, cement	.	6 25	
George W. Stevens, profes- sional services	. . .	20 00	
W. L. Blenus, bolts, etc.	.	76 65	
Barnard & Pike, iron-work	.	16 25	
Thorp & Avery, plumbing, etc.	.	3 72	
Jas. Dolan, carpenter-work	.	7 00	
Manchester Gas Co., fire-brick labor of men and teams	.	5 65 238 50	
		<hr/>	\$2,897 89

CITY LIBRARY.

			DR.
To balance from old account	.	\$323 41	
appropriation	. . . . .	3,000 00	
		<hr/>	\$3,323 41
			CR.
Paid M. J. Buncher, librarian	.	\$800 00	
Geo. W. Burleigh, assistant librarian	. . . . .	284 50	
Temple & Farrington, rebind- ing books, etc.	. . . . .	276 58	
Manchester Gas Co., gas	.	307 96	
Manchester Water Works, water	. . . . .	31 50	
E. P. Johnson & Co., wood	.	23 24	
N. P. Hunt, postage, etc.	.	2 32	
N. P. Hunt, expenses to Bos- ton purchasing books	. . . . .	4 21	
L. B. Clough, expenses to Boston purchasing books	. . . . .	4 01	

Paid L. B. Clough, insurance	\$100 00	
J. B. Clarke, printing	57 50	
O. D. Kimball, printing	35 25	
Livingston & Kimball, printing	58 30	
Union Publishing Co., printing	30 00	
Straw & Lovejoy, repairing clock	4 50	
Thomas A. Lane, blacksmithing	3 70	
trustees of city library	1,000 00	
City Hall, coal	210 00	
By balance on hand	89 84	
	<hr/>	\$3,323 41

MILITIA.

To appropriation	\$800 00	DR.
	<hr/>	\$800 00
		CR.
Paid Manchester Cadets	\$100 00	
Manchester War Veterans	100 00	
City Guards	100 00	
First N. H. Battery	100 00	
Head Guards	100 00	
Headquarters 1st Regiment, N. G.	100 00	
Sheridan Guards	100 00	
Amoskeag Veterans	100 00	
	<hr/>	\$800 00

FUNDED DEBT.

		DR.
To appropriation	\$30,000 00	
balance overdrawn	41,500 00	
	\$71,500 00	
		CR.
Paid city bonds	\$70,000 00	
Suncook Valley R. R. bonds	1,500 00	
	\$71,500 00	

ABATEMENT OF TAXES.

		DR.
To appropriation	\$2,500 00	
balance overdrawn	598 91	
	\$3,098 91	
		CR.
Paid sundry persons	\$3,098 91	
	\$3,098 91	

DISCOUNT ON TAXES.

		DR.
To appropriation	\$7,000 00	
balance overdrawn	1,261 29	
	\$8,261 29	
		CR.
Paid George E. Morrill, collector.	\$8,261 29	
	\$8,261 29	

STATE TAX.

		DR.
To appropriation	\$41,000 00	
balance overdrawn	7,404 00	
	\$48,404 00	
		CR.
Paid S. A. Carter, state treasurer.	\$48,404 00	
	\$48,404 00	

COUNTY TAX.

		DR.
To appropriation	\$33,000 00	
balance overdrawn	2,237 74	
	\$35,237 74	
		CR.
Paid county treasurer	\$35,237 74	
	\$35,237 74	

OUTSTANDING TAXES.

List for 1874	\$4,200 46	
" 1875	4,051 91	
" 1876	2,981 41	
" 1877	2,816 79	
" 1878	3,040 21	
" 1879	945 53	
" 1880	1,254 71	
" 1881	1,329 77	
" 1882	1,139 43	
" 1883	1,039 21	
	\$22,799 43	

TAXES FOR 1884.

		DR.
To amount of resident tax	\$361,401 61	
amount of non-resident tax	1,538 33	
	<u> </u>	\$362,939 94
		CR.
By collections	\$337,375 61	
abatements	1,214 34	
discounts	8,261 29	
balance uncollected	16,088 70	
	<u> </u>	\$362,939 94

DECORATION OF SOLDIERS' GRAVES.

		DR.
To appropriation	\$200 00	
	<u> </u>	\$200 00
		CR.
Paid Louis Bell Post No. 3, G. A. R.	\$200 00	
	<u> </u>	\$200 00

LAND.

		DR.
To appropriation	\$1,200 00	
	<u> </u>	\$1,200 00
		CR.
By reserved fund, amount trans- ferred	\$1,200 00	
	<u> </u>	\$1,200 00

WOMEN'S AID AND RELIEF SOCIETY HOSPITAL.

		DR.
To reserved fund, amount transferred	\$400 00	
	_____	\$400 00
		CR.
Paid treasurer of hospital	\$400 00	
	_____	\$400 00

CITY OFFICERS' SALARIES.

		DR.
To appropriation	\$12,000 00	
balance overdrawn	2,142 91	
	_____	\$14,142 91
		CR.
Paid H. B. Putnam, mayor	\$1,800 00	
H. B. Putnam, school committee, <i>ex-officio</i>	10 00	
H. B. Putnam, overseer of the poor, <i>ex-officio</i>	25 00	
S. B. Putnam, city treasurer	1,000 00	
N. P. Kidder, city clerk	900 00	
George H. Allen, city engineer	1,000 00	
George W. Prescott, city solicitor	500 00	
Wm. R. Patten, city solicitor	250 00	
Geo. E. Morrill, tax-collector	1,302 53	
William E. Buck, superintendent of schools	1,800 00	

Paid James A. Fracker, clerk of common council	\$100 00
J. A. Barker, city messenger	700 00
D. K. White, milk-inspector	750 00
Daniel Sheehan, overseer of the poor	8 34
William H. Maxwell, overseer of the poor	25 00
William H. Maxwell, clerk of overseers of the poor	75 00
William Weber, overseer of the poor	25 00
P. A. Devine, overseer of the poor	16 72
J. E. Stearns, overseer of the poor	25 00
P. O. Woodman, overseer of the poor	25 00
E. G. Woodman, overseer of the poor	25 00
Horace Gordon, overseer of the poor	25 00
James Sutcliffe, overseer of the poor	25 00
Charles H. Warren, inspector of check-lists	54 00
H. D. Lord, inspector of check-lists	131 75
C. C. Tinkham, inspector of check-lists	57 37
M. J. Callahan, inspector of check-lists	72 00
D. O. Furnald, inspector of check-lists	55 12

Paid S. D. Pollard, inspector of check-lists	\$48 37
F. W. McKinley, supervisor	4 00
C. H. Hodgman, supervisor	8 00
James Sutcliffe, supervisor .	6 00
A. E. P. Martyn, supervisor	8 00
J. F. Pherson, supervisor .	4 00
Daniel F. Shea, supervisor .	10 00
F. J. Morrison, supervisor .	10 00
S. S. Piper, supervisor .	6 00
William D. Ladd, supervisor	4 00
William T. Paine, supervisor	4 00
Benjamin Spofford, supervisor	6 00
L. S. Proctor, supervisor .	6 00
Abial C. Flanders, supervisor	6 00
H. W. Powell, assessor .	127 50
P. A. Devine, assessor . .	137 50
D. O. Furnald, assessor .	292 50
George W. Weeks, assessor	413 50
J. P. Moore, assessor . .	175 00
Pius Brown, assessor . .	142 50
C. H. Brown, assessor . .	165 00
J. H. Haynes, assessor .	222 00
J. H. Haynes, inspector of check-lists	192 37
C. S. Fisher, assessor . .	214 50
George H. Dudley, assistant assessor	42 50
Isaac Whittemore, inspector of check-lists	52 13
Isaac Whittemore, assistant assessor	47 50
Reed P. Silver, assistant as- sessor	42 50

Paid M. J. Jenkins, health officer	\$50 00
L. H. Lamprey, health officer	25 00
E. O. Pearson, health officer	12 50
E. O. Pearson, city physician	25 00
George M. True, moderator	6 00
Daniel L. Stevens, moderator	3 00
Frank B. Potter, moderator	3 00
J. F. Sullivan, moderator .	6 00
D. H. Maxfield, moderator .	6 00
George Holbrook, moderator	3 00
J. F. Bohan, ward clerk .	5 00
F. W. Garland, ward clerk .	5 00
Wm. McElroy, ward clerk .	10 00
Waldo E. Gilmore, ward clerk	10 00
E. A. McQueston, ward clerk	8 35
Charles E. Quimby, ward clerk	8 00
Ernest P. Philbrick, ward clerk	10 00
W. S. Chamberlin, ward clerk	5 00
Abial W. Eastman, ward clerk	5 00
John J. Sheehan, selectman	5 00
Patrick Kelly, selectman .	5 00
W. S. Chamberlin, selectman	5 00
J. P. Fellows, selectman .	5 00
D. J. Ahern, selectman .	5 00
Chas. H. Uhlig, selectman .	10 00
P. D. Harrison, selectman .	7 87
Zara B. Sawyer, selectman .	5 00
Benj. F. Garland, selectman	5 00
E. G. Woodman, selectman	5 00
Geo. C. Kemp, selectman .	5 00

Paid Herman Rittner, selectman	\$10 00
Emerson Moulton, selectman	5 00
Geo. E. Glines, selectman .	5 00
Edwin N. Baker, selectman	5 00
Chas. F. Garland, selectman	5 00
Geo. W. Bacon, selectman .	5 00
George M. Bean, selectman	5 00
F. J. Smith, selectman .	10 00
Oscar Perkins, selectman .	5 00
David Thayer, selectman, .	5 00
Fred W. Ranno, selectman .	5 00
F. T. E. Richardson, school committee	1 66
F. T. E. Richardson, clerk of school committee . . .	16 67
Charles A. O'Connor, school committee	10 00
Wm. C. Clarke, school com- mittee	10 00
Charles H. Manning, school committee	8 33
Perry H. Dow, school com- mittee	10 00
S. D. Lord, school committee	10 00
N. P. Hunt, school committee	10 00
J. J. Abbott, school com- mittee	10 00
Thomas F. Collins, school committee	10 00
Edwin F. Jones, school com- mittee	10 00
Edwin F. Jones, clerk of school committee . . .	83 33

Paid Benj. C. Dean, school committee	\$10 00
J. A. McCrillis, school committee, <i>ex-officio</i>	10 00
D. Mitchell, school committee	10 00
L. E. Phelps, school committee	10 00
Geo. D. Towne, school committee	10 00
D. M. Goodwin, school committee	10 00
J. T. Fanning, school committee	10 00
H. H. Huse, school committee	10 00
Judith Sherer, matron at pest-house	90 00
N. Nichols, clerk for assessors	232 50
G. W. Bourne, city physician	31 50
H. S. Perry, selectman	5 00
	—————\$14,142 91

WATER WORKS.

Dr.

To balance from old account	\$26,338 02
water rents	75,580 08
	—————\$101,918 10

Cr.

By interest, amount transferred	\$38,000 00
Paid Charles K. Walker, superintendent	1,555 31
Arthur E. Stearns, clerk	1,200 00
George Woodman & Co., nipples, plugs, etc.	19 85

Paid National Meter Co., meters	\$433 00
Boston Lead Manufacturing Co., pig lead, etc.	982 62
Jarechi, Hays, & Co. stop- cocks, etc.	241 00
Florence Iron Works, iron pipe	2,596 64
Boston Machine Co., bell, gates, etc.	162 30
Millville Manufacturing Co., pipe	86 35
Leonard & Ellis, oil	75 38
Edson Manufacturing Co., pump diaphragm	5 00
Ludlow Valve Manufacturing Co., gates, etc.	378 70
Sewall & Day Cordage Co., jute packing	45 27
Mowry & Phillips, solder	7 00
New England Telegraph and Telephone Co., telephone	42 00
R. Pattee & Co., hydrants	825 00
R. D. Wood & Co., iron pipe, etc.	12,506 52
Union Water Meter Co., meters, etc.	776 99
J. H. & T. Cunningham, iron pipe, etc.	839 89
Concord R. R. Corp., freight	1,565 68
E. P. Johnson & Co., coal	353 86
Geo. H. Stearns, oil, soap, etc.	10 59
D. J. Mahoney, lumber	42 72
L. A. Dickey, blacksmithing	24 03
J. Hodge, lumber	22 07

Paid Head & Dowst, lumber	\$14 31
D. J. Mahoney, lumber	47 98
L. A. Clough, wood	51 00
Pettee & Adams, cement	42 15
Avery Bros., repairing stove, etc.	10 57
D. F. Cressey, blacksmithing	40 82
Chas. Bunton, blacksmithing	55 28
Hutchinson Bros., black- smithing, etc.	246 00
James S. Bacheler, nipple and coupling	48
John Barnes, blacksmithing	1 50
John B. Clarke, printing	59 75
Thomas H. Tuson, printing	53 49
Union Publishing Co., print- ing	8 00
E. R. Coburn & Co., day- books, stationery, etc.	49 45
Temple & Farrington, blank- books	1 07
J. B. Varick Co., powder, hardware, etc.	229 24
Daniels & Co., hardware, etc.	54 15
Manchester Locomotive Works, clamp sleeves, etc.	215 19
Thos. A. Lane, plumbing, etc.	103 28
A. H. Lowell, castings, etc.	283 32
L. B. Bodwell & Co., coal	109 62
Pike & Heald, plumbing	65
A. M. Eastman, oil, etc.	3 75
John Moore, service at lake	2 00
Andrew B. Conant, service at lake	2 00

Paid Henry Sanborn, service at lake	\$4 00
H. F. Morse, service at lake	2 00
Stephen Palmer, service at lake	8 00
George W. Varnum, service at lake	6 00
H. J. W. Varnum, service at lake	4 00
Nathaniel Baker, service at lake	2 00
Lewis Simons, service at lake	2 00
Preston Claffin, service at lake	4 00
Town of Auburn, taxes	7 25
Town of Auburn, one-half expense on highway	91 26
C. F. Hall, use of steamboat	20 00
J. L. Kennedy, setting glass	1 90
George W. Prescott, witness fees, etc.	20 09
Stephen Piper, making photographs of outlet	10 00
Joseph B. Sawyer, engineering.	93 20
John C. Young, repairing roof	4 35
George Fletcher, dinners	20 00
F. W. Elliott, dinners	12 00
Joseph A. Brown, teams	14 00
L. A. Clough, wood	60 00
Geo. W. Goffe, chestnut posts	3 40
Geo. Fletcher & Co., dinners	35 20
Charles H. Robie, concreting	5 85
B. P. Bell, oil	24 50
McDougall Bros., wood	12 00

Paid L. N. Dufrain, stop-cocks, plumbing, etc.	\$15 00
Joseph E. Bennett, auditing accounts	60 00
J. J. Donnelly, damage from water	6 00
City of Fitchburg, winding twine	1 20
Wm. E. Moore, printing	15 00
Nashua Cement and Drain Pipe Co., drain pipe	33 15
Ward & Hurley, stop-cocks, etc.	165 50
E. T. James, teams	124 00
P. C. Cheney Co., paper	21 81
A. N. Clapp	83
H. B. Putnam, water com- missioner	36 00
Alpheus Gay, water commis- sioner	33 00
E. T. James, water commis- sioner	42 00
William P. Newell, water commissioner	33 00
E. H. Hobbs, water commis- sioner	33 00
A. C. Wallace, water com- missioner	33 00
J. A. Weston, water commis- sioner and clerk of board	119 00
labor of men and teams	9,037 82
By balance on hand	27,157 37
	<hr/> \$101,918 10

RESERVED FUND.

DR.

To appropriation	\$10,000 00
D. K. White, milk licenses	125 00
N. P. Kidder, rent of tenements	766 71
N. P. Kidder, show licenses	271 00
N. P. Kidder, south city scales	112 00
N. P. Kidder, old iron sold	77 20
Kimball & Gerrish, land in Bakersville	1,345 00
N. P. Kidder, rent of ward room	12 00
N. P. Kidder, dog licenses	884 00
interest on taxes, amount trans- ferred	199 57
macadamizing, amount trans- ferred	800 00
paupers off farm, amount trans- ferred	800 00
fire department, amount trans- ferred	4,000 00
sewers and drains, amount transferred	5,500 00
land, amount transferred	1,200 00
new school-house, amount transferred	6,000 00
	<hr/>
	\$32,092 48

CR.

By Women's Aid Hospital, amount transferred	\$400 00
Amoskeag Cemetery, amount transferred	300 00
new highways, amount trans- ferred	3,500 00

By lighting streets, amount transferred	\$1,800 00	
paving streets, amount transferred	1,836 04	
bridges, amount transferred	6,000 00	
commons, amount transferred	1,200 00	
incidental expenses, amount transferred	10,000 00	
printing and stationery, amount transferred	500 00	
repairs of buildings, amount transferred	800 00	
balance on hand	5,756 44	
		\$32,092 48

REPAIRS OF SCHOOL-HOUSES.

DR.

To balance from old account	\$153 55	
appropriation	3,895 40	
balance overdrawn	221 84	
		\$4,270 79

CR.

Paid George Holbrook, lumber and labor	\$1,911 88
D. H. Morgan, labor	47 90
G. H. Dudley, labor	3 25
Bennett & Lord, mason-work	358 10
Carpenter & Pippin, mason-work	19 89
Carpenter & Robinson, mason-work	418 56
J. L. Kennedy & Co., painting	105 74

Paid J. R. Carr, painting . . .	\$294 50
J. J. Abbott, painting . . .	7 75
J. Choate, painting . . .	246 83
W. F. Starkweather, painting	135 48
W. H. Sullivan, painting . . .	222 13
W. B. Abbott, painting . . .	70 81
Joel Daniels, painting . . .	35
Trefethen & Moore, repairing clocks	10 25
James Briggs, stove-pipe, etc.	10 85
James Briggs, repairing stove-pipe, etc.	3 15
Pike & Heald, repairing stove-pipe, etc.	35 79
G. R. Vance	9 70
Thorp & Bartlett, stove-pipe, etc.	59 54
T. A. Lane, plumbing, etc.	207 20
E. T. James, teams	6 00
J. B. Varick Co., hardware	09
William C. Rogers, hardware	11 85
J. B. Young, cleaning vaults	2 50
Isaac S. Coffin, stove-pipe, etc.	22 95
J. S. Avery, extra labor . . .	10 50
C. M. Norton, extra labor . . .	9 00
G. W. Varnum, extra labor	6 00
James Watts, extra labor . . .	5 50
J. B. Smith, batteries for High School, etc.	5 00
Manchester Locomotive Works, repairing boiler	3 00
Clarke & Dixon, repairing clocks	3 75

Paid Moses Tracy, mason-work	\$3 00	
Eben Carr, cleaning vault	2 00	
		\$4,270 79

FUEL.

		DR.
To balance from old account	\$160 79	
appropriation	3,311 09	
Daniels & Co., overdraft	1 92	
		\$3,473 80

		CR.
Paid Moore & Preston, coal and wood	\$53 75	
Clark Bros., hauling coal	41 00	
J. Albert Walker, coal	665 20	
L. B. Bodwell & Co., wood	429 12	
Burns & Poore, wood	8 12	
E. P. Johnson & Co., wood and coal	22 50	
Chas. C. Doe, sawing wood	82 57	
A. C. Ordway, sawing wood	1 25	
J. J. Bennett, mason-work	2 50	
Bennett & Lord, mason-work	7 25	
Carpenter & Robinson, mason- work	7 00	
J. S. Bacheler, plumbing, etc.	93 74	
Frank Fogg & Co., plumbing, etc.	30 61	
Thorp & Avery, grate, etc.	6 00	
Thorp & Bartlett, grate, etc.	9 65	
Pike & Heald, plumbing, etc.	16 94	

Paid T. A. Lane, plumbing, etc.	\$233 09	
Daniels & Co., hardware, etc.	9 58	
George Holbrook, carpenter- work	106 65	
Charles M. Norton, sawing wood, etc.	11 22	
Wm. H. Vickery, bolts, keys, etc.	1 85	
H. F. Nutt, housing wood	3 38	
J. F. Woodbury, repairing fire-pokers	1 00	
By balance on hand	1,629 80	
	<hr/>	\$3,473 80

FURNITURE AND SUPPLIES.

DR.

To balance from old account	\$242 04	
appropriation	1,266 01	
	<hr/>	\$1,508 05

CR.

Paid T. W. Lane, books, etc.	\$296 66
Temple & Farrington, books, etc.	11 48
E. R. Coburn & Co., books, etc.	22 00
J. F. Gillis, binders	60
Pike & Heald, door-mats, brooms, etc.	63 10
Daniels & Co., dusters, bas- kets, etc.	80 08
Wm. C. Rogers, dusters, etc.	4 25
J. B. Varick, dusters, etc.	12 75

Paid E. H. Currier, chemicals, etc.	\$136 88
D. G. Simons, dusters, etc. .	13 00
Geo. H. Stearns, soap, brooms, etc.	5 48
Geo. S. Perry, maps, etc. .	228 45
Prang Educational Company, charts, etc.	12 67
E. S. Ritchie & Sons . . .	73 60
Ginn, Heath, & Co., charts, etc.	9 35
Clarke & Dixon, repairing clocks	7 25
Avery Bros., mop-waste, etc.	1 15
Manchester Print Works, chemicals	2 03
R. D. Gay	19 70
J. G. Jones, expressage . . .	50
D. L. Guernsey, maps . . .	4 00
J. B. Smith, induction coil . .	5 00
A. C. Stockin,	1 11
Redding Electrical Co. . . .	3 00
Chas. H. Whiting, books, etc.	9 44
Ginn, Heath, & Co., charts . .	19 60
N. E. Pub. Co., books, etc. . .	6 50
D. M. Poore, floor brush . . .	1 00
H. D. Gordon, wood chairs, etc.	40 00
J. Stickney, repairing gas bag	2 00
C. M. Bailey, manilla paper	2 00
Trefethen & Moore, clock . .	5 00
Standard School Furniture Co., piano table	16 00
G. I. Hopkins, electrical in- struments	3 95
J. H. Howard, ribbon, etc. . .	7 18

Paid A. G. Whitcomb, metallic wells	\$4 25	
H. Fradd & Co., pearline	65	
Higgins Bros., chestnut chairs	1 50	
A. Minard	1 25	
George Holbrook	65 00	
W. H. Sullivan	60 00	
J. Choate	60 00	
William B. Abbott	75 00	
J. R. Carr	90 00	
E. R. Coburn & Co., books, etc.	23 60	
By balance on hand	04	
	<hr/>	\$1,508 05

BOOKS AND STATIONERY.

To balance from old account	\$56 42	
appropriation	340 85	
	<hr/>	\$397 27
		CR.
Paid Boston School Supply Co.	\$10 00	
Prang Educational Co.	21 49	
Temple & Farrington	54 12	
E. R. Coburn & Co.	76 62	
Charles H. Whiting	39 91	
Thos. W. Lane	163 60	
P. Rogez	4 00	
Harper & Brother	11 52	
S. E. Sprague	15 60	
By balance on hand	41	
	<hr/>	\$397 27

PRINTING AND ADVERTISING.

		DR.
To balance from old account	\$147 08	
appropriation	633 00	
	<hr/>	\$780 08
		CR.
Paid C. T. Cragin, preparing di-		
plomas	\$26 35	
Thomas H. Tuson	2 25	
Livingston & Kimball	84 00	
Campbell & Williams	20 55	
Union Publishing Co.	40 00	
John B. Clarke	277 63	
By balance on hand	329 30	
	<hr/>	\$780 08

CONTINGENT EXPENSES.

		DR.
To balance from old account	\$164 06	
appropriation	1,217 32	
	<hr/>	\$1,381 38
		CR.
Paid Manchester Water Works,		
water	\$453 40	
Manchester Gas Co., gas	81 02	
B. F. Dennis, repairing pianos	10 50	
New England Publishing		
Co., periodicals	4 00	
Mrs. B. Madden, cleaning		
school-room	2 00	
Mrs. O. Webber, cleaning		
school-room	2 00	

Paid Susie G. Woodman, cleaning school-room	\$1 50
Mary A. Smith, cotton-cloth, etc.	1 00
Wm. E. Buck, use of team	109 23
George W. Varnum, cleaning school-houses	14 00
H. H. Huse	16 09
L. E. Phelps	16 09
N. P. Hunt	21 90
C. A. O'Connor	8 22
Thomas Hall, chemicals	20 98
James Brothers, team	2 00
C. H. Hodgman & Co., truck- ing	75
J. G. Jones, trucking	1 75
E. B. Benjamin, chemical apparatus	50 00
Temple & Farrington, bind- ing books	3 75
A. G. Whitcomb, ink-wells	25 00
Pike & Heald, hardware	1 68
A. H. Lowell, iron-work	6 50
F. P. & M. L. Buswell, truck- ing	75
F. P. Colby, moving piano	2 00
F. T. E. Richardson, rubber type, etc.	12 22
Novelty Co., pencil-stamp	80
W. H. Vickery, keys, etc.	1 95
E. T. James, hack	50
E. F. Jones, postal-cards	1 00
N. S. Clark, ribbon for di- plomas	1 98

Paid A. A. Jenkins, tuning piano	\$1 25	
H. Fradd & Co., kerosene oil	1 30	
S. B. Hope, team	3 00	
B. A. Haselton, stone steps .	12 50	
A. L. N. Robertson	8 40	
G. I. Hopkins, express, etc. .	5 85	
Bullock & Cranshaw	75 00	
E. H. Currier	1 25	
W. H. Vickery	2 25	
By balance on hand	396 02	
	<hr/>	\$1,381 38

CARE OF ROOMS.

		DR.
To balance from old account .	\$17 62	
appropriation	2,921 55	
balance overdrawn	79 99	
	<hr/>	\$3,019 16
		CR.
Paid J. S. Avery	\$605 00	
William Stevens	600 00	
D. H. Morgan	454 50	
C. M. Norton	412 64	
G. W. Varnum	356 79	
James Watts	249 96	
H. C. Dickey	100 00	
D. S. Dunbar	12 50	
M. W. Mitchell	19 25	
James Tully	12 00	
Mabel E. Chase	15 52	
Anna O. Proctor	11 81	
A. C. Ordway	54 75	
Alvin G. Bean	15 50	

Paid Lester C. Paige . . .	\$6 00
Frank McColley . . .	18 00
Frank H. Dickey . . .	7 05
Edgar Carr . . .	6 50
Edson C. Eastman . . .	7 00
Fred H. Robinson . . .	6 00
Ella F. Barker . . .	10 50
Florence L. Webber . . .	7 00
J. F. Rowell . . .	6 00
Henry I. Rowell . . .	4 25
Alice Campbell . . .	2 50
Florence L. Webber . . .	3 00
Harry Bean . . .	11 00
O. J. Randall . . .	4 14
	<hr/>
	\$3,019 16

EVENING SCHOOLS.

		DR.
To balance from old account . . .	\$35 88	
appropriation	1,460 78	
	<hr/>	\$1,496 66
		CR.
Paid F. C. Livingston, teacher . . .	\$181 20	
Mattie Sanborn, teacher . . .	14 40	
Carrie F. Bartlett, teacher . . .	30 00	
Anna J. Dana, teacher . . .	27 00	
Fannie M. Kelley, teacher . . .	91 00	
Hattie E. Daniels, teacher . . .	30 60	
Nettie F. Ainsworth, teacher . . .	56 70	
M. Alma Fracker, teacher . . .	28 80	
Charles E. Cochran, teacher . . .	206 80	
Lizzie D. Hartford, teacher . . .	25 20	

Paid Lelia A. Brooks, teacher	\$27 00	
Mary H. Searle, teacher	19 80	
Bessie M. Hall, teacher	88 20	
Genevieve L. Whitten, teacher	62 10	
Alta C. Willand, teacher	27 00	
Fannie L. Sanborn, teacher	63 00	
N. B. Croning, teacher	23 40	
Annie L. Prescott, teacher	27 90	
Susie H. Frame, teacher	44 10	
Nellie Pearson, teacher	29 00	
D. H. Morgan, janitor	34 50	
G. W. Varnum, janitor	56 25	
Manchester Gas Co., gas	26 28	
A. N. Clapp, kerosene oil, etc.	20 55	
H. Fradd & Co., oil, etc.	1 60	
By balance on hand	254 28	
	<hr/>	\$1,496 66

TUITION.

		DR.
To balance from old account	\$34 88	
William D. Buck	199 75	
	<hr/>	\$234 63
		CR.
Paid Lee & Shepard, school-books, etc.	\$130 50	
Ivison, Blakeman, Taylor, & Co., school-books, etc.	13 34	
Clark & Maynard, school- books, etc.	13 50	
By balance on hand	77 29	
	<hr/>	\$234 63

NEW SCHOOL-HOUSE.

		DR.
To appropriation	\$6,000 00	
	<u> </u>	\$6,000 00
		CR.
By reserved fund, amount trans- ferred	\$6,000 00	
	<u> </u>	\$6,000 00

TRUANT OFFICERS.

		DR.
To appropriation	\$700 00	
By balance overdrawn	50 00	
	<u> </u>	\$750 00
		CR.
Paid H. W. Longa	\$562 50	
Samuel Brooks	187 50	
	<u> </u>	\$750 00

INTEREST ON LAND.

		DR.
To appropriation	\$3,000 00	
	<u> </u>	\$3,000 00
		CR.
Paid Amoskeag M'f'g Co.	\$1,546 58	
By balance on hand	1,453 42	
	<u> </u>	\$3,000 00

SCAVENGER TEAMS.

		DR.
To appropriation	\$3,500 00	
By balance overdrawn	866 51	
	\$4,366 51	\$4,366 51
		CR.
Paid labor of men and teams	\$4,366 51	
	\$4,366 51	\$4,366 51

CEMETERY FUNDS.

		DR.
To trustees	\$2,200 00	
	\$2,200 00	\$2,200 00
		CR.
By cash on hand	\$2,200 00	
	\$2,200 00	\$2,200 00

TEACHERS' SALARIES.

		DR.
To balance from old account	\$111 24	
appropriation	38,954 00	
By balance overdrawn	527 18	
	\$39,592 42	\$39,592 42
		CR.
Paid A. W. Bachelor	\$1,200 00	
T. D. Adams	560 00	
G. I. Hopkins	1,155 00	
L. E. Manahan	800 00	
Mary A. Buzzell	500 00	
Rocilla M. Tuson	500 00	

Paid F. C. Baldwin . . .	\$1,200 00
Lenora C. Gilford . . .	475 00
Lottie R. Adams . . .	404 00
Carrie E. Reid . . .	460 00
C. Augusta Abbott . . .	450 00
Hattie G. Flanders . . .	450 00
Ella F. Sanborn . . .	450 00
Nellie M. James . . .	490 00
Annie O. Heath . . .	500 00
Lizzie P. Gove . . .	475 00
Fannie D. Moulton . . .	450 00
Nellie I. Sanderson . . .	450 00
Lucia E. Esty . . .	450 00
Carrie I. Stevens . . .	450 00
B. F. Dame . . .	1,350 00
A. W. Patten . . .	457 50
Mary J. Fife . . .	460 00
I. R. Daniels . . .	460 00
Mary F. Barnes . . .	315 00
M. F. Barnes . . .	67 50
Carrie M. Gilmore . . .	450 00
Eva F. Tuson . . .	377 50
Emma M. Rowley . . .	120 00
E. P. Sherburne . . .	810 00
Mary E. Bunton . . .	424 00
Annie A. Webster . . .	473 50
B. L. Dean . . .	460 00
Nancy S. Bunton . . .	475 00
Kittie J. Ferren . . .	375 00
Emma L. Stokes . . .	450 00
Helen F. Wetherbee . . .	385 00
F. J. Sutcliffe . . .	1,100 00
Josie H. Martin . . .	240 00
C. M. Dearborn . . .	460 00

Paid Ellen E. McKean . . .	\$450 00
Mary A. Smith . . .	475 00
Maria N. Bower . . .	450 00
Gertrude H. Brooks . . .	450 00
Florence A. Nichols . . .	450 00
Helen M. Morrill . . .	475 00
Nina D. Annis . . .	375 63
Mary G. Tynan . . .	450 00
Georgia A. Wyman . . .	367 50
Kate M. Follansbee . . .	385 00
Georgianna Dow . . .	450 00
Augusta S. Downs . . .	450 00
Jennie F. Bailey . . .	450 00
Clara E. Woods . . .	450 00
Belle M. Kelley . . .	360 00
Alice G. Lord . . .	450 00
Delle E. Haines . . .	450 00
Flora M. Senter . . .	450 00
Josie H. Richardson . . .	210 00
Etta J. Carley . . .	500 00
Jennie G. Stebbins . . .	371 25
Nettie C. Woodman . . .	450 00
Edith M. Stebbins . . .	400 00
S. Izetta Locke . . .	450 00
Georgie A. Nute . . .	475 00
Mary W. Mitchell . . .	450 00
Susie G. Woodman . . .	450 00
Addie C. Prescott . . .	450 00
Olive J. Randall . . .	450 00
Olive A. Rowe . . .	450 00
J. J. Kimball . . .	1,000 00
S. E. Sprague . . .	780 00
Lizzie A. Burns . . .	500 00
Nettie F. Ainsworth . . .	170 75

Paid Susie H. Frame	\$257 50	
M. L. Gage	303 25	
Ella Hope	271 87	
Cora F. Sanborn	99 55	
Lelia A. Brooks	141 75	
Bessie M. Hall	153 87	
A. L. Prescott	18 75	
M. E. Sanborn	147 50	
G. L. Whitten	150 50	
A. C. Willand	156 00	
Will F. Gibson	37 50	
F. M. Kelley	32 75	
A. L. Prescott	2 50	
J. W. Stetson	480 00	
E. F. Barker	160 00	
E. E. Jones	200 00	
M. K. Webster	2 75	
C. N. Brown	2 50	
Fannie L. Sanborn	32 75	
		—————\$39,592 42

INVENTORY OF SCHOOL-HOUSES.

High-school house and lot	\$50,000 00	
Furniture, charts, maps, books, and apparatus	2,000 00	\$52,000 00
Franklin-street house and lot	18,000 00	
Furniture, maps, etc.	400 00	18,400 00
Spring-street house and lot	15,000 00	
Furniture, maps, etc.	400 00	15,400 00
Lincoln-street house and lot	50,000 00	
Furniture, maps, etc.	400 00	50,400 00
Ash-street house and lot	58,000 00	
Furniture, maps, etc.	400 00	58,400 00

North-Main-street house and lot	. \$17,000 00	
Furniture, maps, etc.	. . 600 00	\$17,600 00
Webster-street house and lot	. 16,000 00	
Furniture, maps, etc.	. . 350 00	16,350 00
Blodget-street house and lot	. 3,500 00	
Furniture, maps, etc.	. . 150 00	3,650 00
Bridge-street house and lot	. . 900 00	900 00
Lowell-street house and lot	. . 7,000 00	
Furniture, maps, etc.	. . 400 00	7,400 00
Merrimack-street house and lot	. 15,000 00	
Furniture, maps, etc.	. . 550 00	15,550 00
Wilson-Hill house and lot	. . 3,300 00	
Furniture, maps, etc.	. . 100 00	3,400 00
Beech-street house and lot	. . 7,000 00	
Furniture, maps, etc.	. . 350 00	7,350 00
Center-street house and lot	. . 5,000 00	
Furniture, maps, etc.	. . 425 00	5,425 00
South-Main-street house and lot	. 2,800 00	
Furniture, maps, etc.	. . 200 00	3,000 00
Bakersville house and lot	. . 13,000 00	
Furniture, maps, etc.	. . 600 00	13,600 00
Stark-District house and lot	. . 3,000 00	
Furniture, maps, etc.	. . 150 00	3,150 00
Amoskeag house and lot	. . 3,700 00	
Furniture, maps, etc.	. . 125 00	3,825 00
Goffe's-Falls house and lot	. . 3,600 00	
Furniture, maps, etc.	. . 100 00	3,700 00
Harvey-District house and lot	. 2,500 00	
Furniture, maps, etc.	. . 125 00	2,625 00
Webster-District house and lot	. 600 00	
Furniture, maps, etc.	. . 50 00	650 00
Hallsville house and lot	. . 3,500 00	
Furniture, maps, etc.	. . 125 00	3,625 00

Youngsville house and lot . . .	\$1,400 00	
Furniture, maps, etc. . . .	125 00	\$1,525 00
Mosquito-Pond-Dist. house and lot	1,200 00	
Furniture, maps, etc. . . .	100 00	1,300 00
Park-street house and lot . . .	8,500 00	8,500 00
		<hr/>
		\$317,725 00

VALUATION, TAXES, ETC.

Year.	Valuation.	Taxes.	No. Polls.	Poll Tax.	Val. of Poll.
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	22,005 95	1,808	2 10	300
1847 . .	4,488,550	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 . .	5,832,080	48,974 23	2,820	2 37	300
1851 . .	6,906,462	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 88	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	86,804 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 . .	12,716,392	312,835 95	6,219	2 46	100
1875 . .	14,195,102	315,131 29	6,227	2 22	100
1876 . .	15,309,348	248,900 93	6,295	1 62	100
1877 . .	15,605,918	246,573 46	6,341	1 58	100
1878 . .	15,912,234	276,873 32	6,477	1 74	100
1879 . .	17,482,132	264,406 73	6,633	1 50	100
1880 . .	17,735,990	263,812 17	7,219	1 48	100
1881 . .	17,943,308	316,462 26	7,574	1 76	100
1882 . .	19,175,408	312,673 82	7,831	1 62	100
1883 . .	20,055,986	332,741 72	7,944	1 65	100
1884 . .	20,613,032	361,401 61	8,143	1 75	100

CITY DEBT.

Date of Notes.	To Whom Payable.	When Payable.	Principal.
April 1, 1865	City Bonds,	April 1, 1885	\$10,000 00
July 1, 1876	Sewer Bonds,	July 1, 1885	8,000 00
Aug. 1, 1869	City Bonds,	Aug. 1, 1885	1,500 00
Aug. 1, 1869	" "	Aug. 1, 1886	5,000 00
Aug. 1, 1869	" "	Aug. 1, 1887	3,500 00
Jan. 1, 1872	Water Bonds,	Jan. 1, 1887	100,000 00
Jan. 1, 1863	City Bonds,	Jan. 1, 1888	35,000 00
July 1, 1874	Water Bonds,	July 1, 1890	100,000 00
Jan. 1, 1872	" "	Jan. 1, 1892	100,000 00
Oct. 31, 1863	City Bonds,	Nov. 1, 1893	70,000 00
July 1, 1864	" "	July 1, 1894	50,000 00
July 1, 1874	Water Bonds,	July 1, 1895	100,000 00
Jan. 1, 1872	" "	Jan. 1, 1897	100,000 00
Jan. 1, 1872	" "	Jan. 1, 1902	100,000 00
July 1, 1881	Bridge Bonds,	July 1, 1911	60,000 00

FUNDED DEBT.

Amount of funded debt Jan.

1, 1884	\$914,500 00
Paid during the year	71,500 00

Amount of funded debt Jan.

1, 1885	\$843,000 00
Interest due, estimated	\$20,000 00
Bills outstanding	45,824 44
Temporary loan	119,000 00
* Note due Amoskeag Manufacturing Co. for land	25,776 40

	\$210,600 84
Cemetery bonds	2,200 00

Total indebtedness Jan. 1, 1885

\$1,055,800 84

Cash in treasury Jan. 1, 1885 . \$63,719 30

Notes due the city 228 70

Interest on same 93 55

64,041 55

Net indebtedness Jan. 1, 1885

\$991,759 29

Decrease of net indebtedness

during the year

\$3,422 62

* Should have been included in report for 1881.

CITY PROPERTY.

Land, city scales, etc.	\$30,000 00
City-library building	41,000 00
Permanent inclosure of commons	22,000 00
City Hall and lot	60,000 00
City Farm and permanent improvements	32,000 00
Stock, tools, furniture, etc., at City Farm	9,856 28
Engines, hose, and apparatus	35,283 50
Fire-alarm telegraph, bell-tower, and bell	21,550 00
Engine-house, stable, and land, Vine street	47,000 00
Hose-house, cottage, and lot, Maple street	5,000 00
Hose-house and cottage, Park street	9,000 00
Houses, tombs, and new cemetery	9,000 00
Court-house and lot	51,000 00
Common sewers	235,000 00
Safes, furniture, and fixtures at City Hall	3,000 00
Street-lanterns, posts, and pipes	6,500 00
Water works	819,724 79
Horses, carts, plows, and tools for streets	5,000 00
Ward-room and lot, Manchester street	10,000 00
Engine-house and lot, ward eight	2,500 00
Water-pipe, wagons, etc., for watering streets	2,500 00
Stock in Suncook Valley Railroad	50,000 00
Gravel lot, Belmont street	1,200 00
Gravel lot, Sagamore street	900 00
Gravel lot, ward eight (one-half acre)	50 00
Gravel lot, Bakersville (one acre)	100 00
Gravel lot, Bakersville	600 00
Gravel lot, District No. 8	150 00
Valley Cemetery	9,000 00
New police station and lot	30,000 00
	<hr/>
	\$1,637,914 57
Amount of school property	317,725 00
	<hr/>
	\$1,955,639 57

APPROPRIATIONS FOR 1885.

Interest	\$20,000 00
Paupers off the farm	3,500 00
City farm	2,500 00
City teams	3,000 00
Highway District No. 1	300 00
“ “ “ 2	11,000 00
“ “ “ 3	1,000 00
“ “ “ 4	400 00
“ “ “ 5	400 00
“ “ “ 6	400 00
“ “ “ 7	900 00
“ “ “ 8	650 00
“ “ “ 9	500 00
“ “ “ 10	1,800 00
“ “ “ 11	1,000 00
“ “ “ 12	300 00
“ “ “ 13	200 00
New highways	5,000 00
Damage for land taken for highways	1,500 00
Watering streets	4,000 00
Lighting streets	12,500 00
Paving streets	3,000 00
Macadamizing streets	5,000 00
Grading for concrete	3,500 00
Sewers and drains	6,000 00
Bridge-street sewer	5,000 00
Webster-street sewer	13,000 00
South-Main-street sewer	1,000 00
Commons	3,500 00
Bridges	3,000 00
Incidental expenses	5,000 00
Pine Grove Cemetery	5,875 00
Valley Cemetery	1,500 00

Fire department	\$16,000 00
Fire-alarm telegraph	5,500 00
Hydrant service	18,500 00
Police department	20,000 00
City Hall	1,000 00
Printing and stationery	1,500 00
Repairs of buildings	1,800 00
City library	4,000 00
Militia	800 00
Payment of funded debt	19,500 00
Abatement of taxes	1,500 00
Discount on taxes	7,000 00
State tax	48,000 00
County tax	35,000 00
City officers' salaries	12,000 00
Firemen's parade	300 00
Decoration of soldiers' graves	200 00
Land	1,500 00
Reserved fund	22,000 00
Repairs of school-houses	3,500 00
Fuel	3,500 00
Furniture and supplies	800 00
Books and stationery	300 00
Printing and advertising	500 00
Contingent expenses	800 00
Care of rooms	3,200 00
Evening schools	1,400 00
Teachers' salaries	41,000 00
New school-house	6,000 00
Truant officer	700 00
Interest on land	600 00
Scavenger teams	4,000 00
Health department	1,000 00

\$425,625 00

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