

PUBLIC DOCUMENT.

# ANNUAL REPORTS



OF THE

City of Manchester

FOR

THE YEAR 1873.



TWENTY-EIGHTH  
ANNUAL REPORT  
OF THE  
RECEIPTS AND EXPENDITURES  
OF THE  
CITY OF MANCHESTER,  
FOR THE FISCAL YEAR ENDING  
DECEMBER 31, 1873,  
TOGETHER WITH  
OTHER ANNUAL REPORTS AND PAPERS RELATING TO THE  
AFFAIRS OF THE CITY.



MANCHESTER, N. H.:  
JOHN B. CLARKE, PRINTER,  
1874.

## CITY OF MANCHESTER.

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### IN BOARD OF COMMON COUNCIL.

AN ORDER authorizing the printing of the twenty-eighth Annual Report of the Receipts and Expenditures of the City of Manchester.

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

January 5, 1874. IN BOARD OF COMMON COUNCIL.

Passed.

CHARLES A. SMITH, PRESIDENT.

January 5, 1873. IN BOARD OF MAYOR AND ALDERMEN.

Passed in concurrence.

J. P. NEWELL, MAYOR.

A true copy. Attest:

JOSEPH E. BENNETT, City Clerk.

VALEDICTORY ADDRESS

OF THE

**HON. JOHN P. NEWELL,**

MAYOR,

TO THE

CITY COUNCILS OF MANCHESTER,

DELIVERED BEFORE THE TWO BRANCHES IN CONVENTION,  
JANUARY 5, 1874,



## VALEDICTORY ADDRESS.

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GENTLEMEN OF THE CITY COUNCILS:

In accordance with the custom of my predecessors in office, and before retiring from the official positions which we have severally filled, I desire briefly to review the more important subjects to which your attention has been directed during the year now closing, and, in a few words, to recapitulate your action thereon.

And, first of all, let us render to the Giver of all good the gratitude which belongs to Him, for that measure of prosperity which has been vouchsafed to us, and for exemption from those calamities which have visited other cities and other communities. No great epidemic has fallen upon our people, no extensive conflagration has swept away our homes and prostrated our industries. The financial crisis which has brought ruin to others, has but lightly touched us. For all this, it behooves us to make grateful acknowledgment.

### FINANCE.

The subject of Finance is one of the greatest importance, and has received the careful consideration of the Finance Committee.

I have received from the treasurer the following statements:

Funded debt, Jan. 1, 1873.....	\$362,100 00	
Decrease during the year.....	1,600 00	
	<hr/>	
Amount funded debt Jan. 1, 1874 .....	\$360,500 00	
Temporary loan Jan. 1, 1873.....	\$2,298 57	
Increase during the year.....	96,120 00	
	<hr/>	
Temporary loan Jan. 1, 1874.....	\$98,418 57	
Estimated interest due.....	10,000 00	
Outstanding bills.....	62,918 10	
	<hr/>	
Total indebtedness Jan. 1, 1874.....	\$5 1,916 67	
Cash in treasury Jan. 1, 1874.....	\$32,803 11	
Notes due the city.....	3,163 40	
Interest on the same.....	490 00	
	<hr/>	
	\$36,456 51	
	<hr/>	
Net indebtedness Jan. 1, 1874, exclusive of water bonds.	\$495,460 16	
Net indebtedness Jan. 1, 1873.....	3 6 37 42	
	<hr/>	
Increase during the year.....	\$90,022 74	

This increase of the city debt arises from appropriations for water-works the past year, these appropriations amounting to \$150,000, while the total amount paid on account of water-works during the year is \$294,619.02. The increase in the amount of temporary loan, it will readily be seen, is due to the same account, as the whole amount received from the sale of State and water bonds during the year, is only about \$124,000.

The cash in the hands of the Treasurer at the present time is sufficient to meet all bills now due. The amount of uncollected taxes for 1873 is \$25,461.35, and about this sum will probably be realized from unpaid taxes.

Some of the extraordinary or unusual items of expense the past year, are the Squog Bridge, \$3,267; damages arising from falling of bridge, \$9,200; commons, \$3,548; new school-houses, \$29,000; pest-house, \$5,000; City Farm, \$7,000, amounting in all to \$57,015. For a part of



this sum, to wit, \$16,515, no appropriation had been made, and yet I am happy to say that the total expenses for the year, exclusive of water-works, come within the appropriations.

The foregoing statement in relation to extraordinary expenses, together with the additional fact that the State and County tax the present year is thirty-two thousand four hundred twenty-four dollars over any previous year, is more than sufficient to account for the increase in percentage of taxation the past year.

STATEMENT OF WATER-WORKS ACCOUNT AS FURNISHED BY  
THE TREASURER.

To paid Mayor's orders.....	\$294,609 02	
Coupons.....	19,044 00	
Accrued interest on bonds as discount.....	90 50	
	<hr/>	\$313,743 52
By City Bonds on hand Jan. 1, 1873....	\$101,500 00	
Cash used by city, Jan. 1, 1873.....	40,455 51	
Accrued interest on bonds sold.....	193 26	
State Bonds appropriated.....	60,000 00	
Appropriation by City Government .	90,000 00	
Paid from city funds.....	21,594 75	
	<hr/>	\$313,743 52

CITY LIBRARY.

Among the institutions which are a credit to the city, and a blessing to our people, is our City Library, and this is increasing in interest and value year by year. The number of books added to the library during the year, is 609, the whole number at the present time, 17,672, and the number taken out to be read, 35,180.

Service pipes to convey water to the building, have been put in, and the floor has been lathed and plastered on the under side, to prevent the escape, through the floor, of coal

dust and ashes from the basement, to the annoyance of the librarian and of visitors, and to the injury of the books.

An appropriation was made at the commencement of the year, for the purpose of procuring the preparation and publishing of a new catalogue of the books in the library, but as the appropriation was not thought to be sufficiently large, and for other reasons, the work has not been undertaken.

#### SCHOOLS AND SCHOOL-HOUSES.

There is good reason why we should feel an honest pride in our public schools. Never have they been under better discipline, or stood higher in all the essentials of good schools, than at the present time. And no surer proof of their superior excellence can be had, than is found in the fact, that there is not in the city a single private school, properly so called. The appropriation for schools is a large item in our annual expenses, but there is no item in the tax-list which our citizens more heartily approve than that which goes for school purposes, and they only ask that they be carried to the highest point of excellence.

The present number of schools is forty-five, the average number of teachers 69,—an increase over former years, owing to the fact that six or seven hundred French children have been enrolled within the year.

The truant officer has done faithful service, and is well fitted to perform the duties pertaining to such an office.

For a long time there has been a feeling of uneasiness among our people, because the doors of our larger school buildings have opened inward, as in case of fire the most disastrous consequences might occur. By a vote of the School Board, the following named school buildings have been so changed as to allow the doors to swing outward: the Merrimack, Franklin, and Spring street buildings, the old High and the Intermediate School buildings, and, in

Piscataquog, the new Brick and the Grammar School houses. These changes have necessarily involved other alterations, and have constituted a considerable item of expense.

The school-houses at Hallsville, Youngsville, Mosquito Pond, and Webster's Mills, have been painted outside and inside, while those at Amoskeag, on Blodgett street, and in the Harvey district, have been painted on the inside. The painting of these houses has been under the direction of the Committee on Lands and Buildings. The enlarged lot at Bakersville has been graded and enclosed by a new and substantial picket fence, and the lot at Hallsville has been enclosed by a similar fence, and a well dug for the use of the scholars.

The contract to furnish materials and finish the outside of the Ash-street House above the basement, was awarded to Mr. Alpheus Gay, for the sum of twenty-two thousand dollars, and the work has been performed thoroughly and satisfactorily. This house, when completed, in achitectural beauty and convenience of arrangement, will be the finest in the city. It is a brick building with granite trimmings, and in the form of a cross, with towers on the northeast and southwest corners. It is two stories and a roof-story in height, and has a basement under the whole for heating apparatus, water-closets, play-rooms, &c. There are to be four schoolrooms on each floor, each sufficiently large to accommodate forty-six scholars, or three hundred sixty-eight in all, with teachers' rooms and every modern convenience. In the roof will be a large hall capable of seating six hundred persons. In the southwest tower there is to be a clock and bell, and I presume it will be deemed expedient to add the necessary attachments to make it a fire-alarm striker. The contract to furnish the stone steps has been awarded to Messrs. Lamson & Marden. There has already been expended on the building about twenty-nine

thousand dollars, and it is estimated that it will require twenty-five thousand dollars more to complete it ready for occupancy. This building, in its design and arrangement, does great credit to the architect, Geo. W. Stevens, Esq., to whom the city is under obligations, not only for this, but for other valuable services.

#### HIGHWAYS AND BRIDGES.

The constant growth of the city makes it imperative each year to lay out new highways, and, in doing this, the policy has been, so far as possible, to preserve the regularity and symmetry of the streets. The new streets laid out are as follows: Second street from Ferry to Manchester and North Weare Railroad; Milton, from Park to Hanover; Myrtle, from Maple to Ashland; Ash east back street from Lowell to Bridge; Maple, from Hanover to Ferry Road; Cedar, from Pine to Beech; Railroad street, from Douglas to Wyman House; and Taylor from Young to Gilley street.

In order to secure regularity hereafter, in the laying out of streets in the southern part of the city, by making such streets a continuation of streets already laid out, or parallel with them, the City Council, after examination of a plan submitted to them, passed the following resolution:

“That the plan presented to the City Council for the laying out of streets in the southern part of the city, be adopted as a guide for the future construction of streets in the section embraced in said plan, and that hereafter, when new streets shall be required there, they shall be laid out in accordance with such plan, and not otherwise; and that the plan so adopted be prepared, and five hundred copies of the same be published for the information of the City Council, and of the public, and that the expense thereof, not exceeding one hundred dollars, be charged to the appropriation for incidental expenses.”

A part of these copies are now ready for distribution.

The streets built during the year are as follows: Elm, from Henry F. W. Little's house to Baker street, with a bank wall near Mr. Little's house, and a dam so as to make a reservoir for the use of the Fire Department; Pine from Harrison to Hooksett road; Harrison, from Maple to Russell; Milton, from Hanover to Manchester; Beech, from Young to point south of the Concord and Portsmouth Railroad; Webster, from Elm to River road; Cedar from Chestnut to Beech; Second street from Ferry to Manchester and North Weare Railroad; Bridge street, graded from Maple to Russell, and built with bed of stone ten inches thick, and graveled on top; Beacon, graded from Manchester to Lanrel; Lincoln, from Hanover to Merrimack, and thoroughly built; Ashland, partially graded, and four stone culverts put in. Considerable work has also been done on Railroad street.

In making repairs, a portion of Hanover street and a portion of Park street have been macadamized the past year, and the experiment is abundantly satisfactory. The soil of our city is not naturally good for road making, and I may be permitted to suggest that the custom which has prevailed for years, of simply spreading gravel upon our worn-out streets, should at once be discontinued, for streets so repaired, must have the process repeated yearly, and even then, much of the time, are in wretched condition, while a street properly built, ought to last ten or twelve years.

A great deal of work has been done upon the streets the past year, many culverts put in, many cess-pools constructed, and innumerable irregularities removed, so that, notwithstanding the laying of water pipes has necessarily made havoc of our streets, it is believed they were never more smooth and level, or in better condition for travel than during the past year. The expenditures for repairs of streets in District No. 2 alone are \$13,029.73.

In February last, the iron bridge over the Piscataquog river fell while a loaded team was crossing it. Three men, who were upon the bridge at the time, together with the team, were precipitated upon the ice below, and it has cost the city nine thousand two hundred dollars to settle the claims thus occasioned. It was afterwards ascertained that this iron bridge, some eighty feet in length, weighed less than five tons. In place of it, a wooden bridge has been built of the most thorough workmanship and of great strength, so that, with proper care, it will last for many years to come. It is the work of Mr. Dutton Woods, the bridge builder of the Concord Railroad, and cost, including the painting, \$3,267.04.

The foot walk of the Amoskeag Bridge has been covered anew, and much of the carriage way of this bridge will need to be replanked another year. Other bridges within the city limits have been more or less extensively repaired, which I need not stop to describe.

#### PAVING.

Elm street has been paved from Bridge street to Pearl, and Granite street from Mr. A. C. Wallace's house to Main street, together with a small portion of Main street near the new bridge, amounting in all to 1870 1-2 yards. The small sized granite blocks have been used, and were furnished by Mr. Robert Bunton at \$1.45 per yard. In addition to this, ten hundred and twenty-five yards of cobble paving has been done in various parts of the city, 1167 feet of edge-stone set for sidewalks, and all the filling furnished for sidewalks which individuals have called for. The policy of the city has been to set the edge-stone, when furnished, and to fill for sidewalks, whether of brick or concrete, for all persons desiring it. By this aid from the city, many sidewalks have been concreted that would not other-

wise have been done, and our streets in this way have been much improved. The expenditure for paving is \$7,614.83; for grading and filling for sidewalks, \$1,892.90.

#### SEWERS AND DRAINS.

More than six thousand six hundred feet of pipe for sewers, varying in size from nine to eighteen inches, have been laid in District No 2, and nine hundred twenty feet, varying in size from 10 to 24 inches, have been laid in Main street in Piscataquog the present year, making in all, more than seven thousand five hundred feet, and greatly improving the drainage of the city. The time is probably not far distant when it will be deemed advisable to drain the northern section of the city directly into the Merrimack, thereby relieving the main sewer extending through Elm street. Earthen pipe has been largely used in the laying of sewers the present year, and appears to possess all the qualities necessary for security against corrosion, and for strength and durability. Bricks were used in laying three hundred seventy feet of the sewer in 'Squog, and blasting was required nearly this whole distance. Seventy-three cesspools have been put in and many more are needed. The appropriation for sewers and drains was \$10,000, the whole expenditure \$12,363.41, the deficit being made up by transfers from other accounts.

#### COMMONS.

A concrete walk has been laid on the south side of Merrimack square, the fence repainted, and a heavy gate, similar to the others, hung on the east side. A concrete walk has also been laid across the Park near the Cemetery. Twenty feet have been taken from the west side of Concord square in order to widen Vine street so as to accommodate

the Hook and Ladder carriage and the steamers, in the hurry of coming from the engine-house when there is an alarm of fire. A new fence has been built on the west side of this square, and a concrete walk with edge-stone laid outside the fence. The Committee on Commons regretted much that the appropriation for Commons did not allow the building of an iron fence instead of a wooden one, as the city has long been under obligation by conditions of the deed from the Land and Water Power Company to construct an iron fence around this common.

In accordance with an order of the city government passed in 1872, the pond in Hanover square has been thoroughly cleansed by drawing off the water and removing the mud and decaying matter which had been accumulating for years, and had become the fruitful source of offensive odors, and of disease. The work was one of so much difficulty, and involving so great an expense, that it was deemed best, so far as possible, to guard against the necessity of repeating it in the future, by building a bank wall, substantial in character, and symmetrical in form, on the east and north sides of the pond. At the same time the stone culvert on the east side has been extended about seventy-five feet. By these changes, the size of the pond has been somewhat diminished, and the area of the land increased, with the design of filling and grassing over the land thus made. This whole work, I believe, will command the approval of all our citizens, as this square will thus be greatly improved and beautified. During the year twenty-four strong iron settees have been placed in our public squares, seven each in Merrimack and Concord squares, and five each in Hanover and Tremont.

A movement has also been inaugurated, the design of which is to secure, at an early day, a public park of a size commensurate with the future wants of the city. In pursuance of this object, an order was passed by the City



Council, authorizing the raising of a special committee, with instructions to examine localities, make surveys, and report their action. The matter is still under consideration. But I trust early action will be taken, and land suitable for the purpose will be secured while it is comparatively cheap. Then it can be improved from year to year, as the city has the means at command with which to make such improvements.

#### POLICE DEPARTMENT.

The expenses of the Police Department, for the year, have been \$19,164.63, while the appropriation and receipts amount to \$19,162.66. The whole number of arrests during the year is 1,443.

The general good order and quiet of the city attest the fidelity of our police officers, and especially will the efficiency of this department be apparent, when we consider the make-up of our population, and the peculiar character of that large class of transient persons which our public works have necessarily brought into the city, for to a great extent the city has been free from disturbance by day, and from brawls by night, and from the commission of the graver crimes.

#### FIRE DEPARTMENT.

The appropriation for the Fire Department the past year was \$15,000; the expenses of the Department are \$12,125.75. The whole number of alarms during the year, as reported by the Chief Engineer, is thirty-four, the number of fires twelve, there having been twenty false alarms, and once the Department was summoned to Pittsfield, and once to Suncook. The total losses by fire for the year have been \$16,900; the insurance \$8,900. Our fire department is thoroughly organized and equipped, and all the companies

are in the most efficient condition. It affords me great pleasure to bear testimony to the zeal, the manly bearing, and general good conduct of our firemen. Never have they been found wanting in duty, when the lives and property of our citizens have been imperilled.

In accordance with what was ascertained to be the general custom of other cities, the City Council decided early in the year, not to insure the city property, and in consequence of this action, no policies expiring on or after the first day of April, were renewed. I may be permitted to suggest that it would be a wise policy annually to appropriate, and securely invest a certain sum, say \$1,500, which is about the sum that has annually been paid for insurance, to meet any possible loss by fire in the future.

A bell of 3000 pounds weight, and cast by Blake of Boston, has been hung in the tower erected in the northern part of the city, and a striking apparatus attached, so that we have four telegraph fire alarm bells ; and if one of fourteen or fifteen hundred pounds weight should be placed in the tower of the Ash street school-house, it would seem that we should be well provided with the means of giving the alarm and locating a fire anywhere in the compact part of the city.

#### WATER—WORKS.

The whole amount appropriated for water-works during the year, is \$150,000. The income from water rents and hydrants to Dec. 20, is reported as \$12,102.60. The rate of annual income at the beginning of the year 1874, including the assessment for public fire hydrants, is reported as \$18,240.

The works are now so nearly completed that it is expected the city will be supplied with water from Lake Massabesic early in the spring. The pump is now being put in

place, is massive in its several parts, and gives promise of being capable of furnishing the city with all the water that shall be needed for years to come.

The pump-house and tenement connected, is far advanced toward completion. The building is of brick, with granite trimmings, and is neat though not elaborate in design. The dam and canal are also nearly completed. The area of the lake will be increased about thirty acres by the new dam, and it is estimated that the value of the lake, as a water power, will be enhanced four-fold by the construction of this dam.

The cold weather in November caused a suspension of work on the distributing reservoir, and it will take some two months in the spring to complete it. The laying of the distributing pipes according to schedule No. 2, is nearly complete, and will be finished early in the spring.

Sixty-five hydrants have been set during the year, making the whole number of public fire hydrants in the city at the present time, two hundred and ten, thus furnishing a reasonable security against an extensive conflagration to all the thickly-settled portion of the city east of the Merrimack river. The Amoskeag Manufacturing Company, in accordance with their usual courtesy and liberality, have permitted the Commissioners to fill, from the Company's reservoir, all the pipes which have been laid. In this way our two hundred and ten hydrants are available for fire purposes, and already more than three hundred applicants, along the line of the pipes, have been supplied with water. To this extent, therefore, our water-works are an accomplished fact. Although these works from their first inception, have met with considerable opposition, and though their construction involves the expenditure of a large sum of money, yet I am confident that when they are completed, and the city is supplied with an abundance of pure water, the wisdom that planned, and the skill that executed these works, will be fully vindicated.

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Service pipes, with the necessary fixtures, have been put into the Court House, the City Library, the City Hall, the Engine House on Vine street, and a watering-trough has been established at the upper end of Elm street.

For a more particular account of the water-works, I refer you to the Engineer's Report.

#### PEST-HOUSE.

When the small-pox was prevailing in the city last winter, and the public mind was excited and alarmed, it became apparent to all that the pest-house, which had been in use for years, was so unfit for the purpose as to render it as unjust as it was unsafe, to take there such of our citizens as might be smitten with this dreaded disease. In accordance, therefore, with the public demand, an appropriation of five thousand dollars was made for the purpose of erecting a new pest-house, and a special committee raised to procure plans and locate the building. The site selected is on that portion of the city farm lying north of Bridge street and beyond the old pest-house, a hundred feet back from the street, a distance more than sufficient to preclude the possibility of taking the disease by one passing along the street. The contract to erect the building was awarded to Mr. John H. Maynard for the sum of \$4,520, and though the work has been somewhat retarded by the approach of cold weather at an earlier date than usual, yet the building is now nearly finished, and will, I trust, be ready for occupancy long before the city will have occasion to use it.

The building is a wooden structure, the main house being 34x44 feet, and two and a half stories high. The first story is eleven and one-half feet in the clear, and the second story, eleven feet. The L is one and a half stories high. The main house contains four rooms on each floor,

properly lighted and ventilated, and easily heated. The L contains kitchen, pantries and purifying closets on the first floor, two rooms in the attic, with a good cellar under the kitchen. There is also a wood-shed, stable and carriage-house. The well is thirty feet deep, and has an abundant supply of excellent water.

It is estimated that to complete the grading around the building, and construct a road to it, will require about \$500 in addition to the appropriation. The plan of the building was made by Mr. Augustus G. Stevens, while the work has been under the superintendence of Mr. George W. Stevens.

#### THE CITY FARM.

Quite extensive improvements have been made at the City Farm. It is well known that the house at the Farm is used both as an alms-house, and also as a House of Correction. The interior of the house, and particularly of the L, was found to be in a very dilapidated condition, and absolutely unfit for the purposes for which it was used. The sills were decayed, the floors had settled, the plastering was off, windows and doors were awry, and prisoners confined there escaped in every direction.

As the Committee found that the L could not be repaired, but must be entirely rebuilt, they employed Mr. George W. Stevens to prepare a plan, and, advertising for proposals, the contract to furnish materials and erect a new L was awarded to Messrs. Ireland and Emery, and the work has been most faithfully done. The new L is somewhat larger than the old one, and is built of wood. It contains pauper's sitting-room, dining-room, and sleeping-rooms, prisoners' rooms, wash-rooms, pantries, &c., and a good cellar under the whole, in which is a brick cistern of two thousand gallons capacity. The giving out of the aqueduct

which supplied the house with water, rendered it necessary to procure a supply from some other source. A well has been dug through a ledge near the house, an abundant supply of water found, and a large reservoir constructed for fire purposes.

The main part of the house, also, has been thoroughly repaired, a work long needed to be done. It has been found necessary, also, to put some new furniture into the rooms occupied by the paupers and prisoners.

The whole amount expended is about seven thousand dollars, and I am informed by Mr. Stevens that to complete the sheds, repair the barn, and make a few other necessary improvements, about a thousand dollars more will be required. The whole number of persons in the alms-house during the year, is eleven; the average number, four and two-thirds. The whole number of prisoners in the House of Correction has been two hundred forty; the average number for the year twenty and one-eighth.

The fact that a large number of men are confined in the House of Correction, with little or nothing to do, has suggested the idea of providing for them some special employment, both that they may be earning something while being supported at the city's expense, and also, as a preventive of crime, by making it less an object to be sent there to be boarded through the dull season. For this purpose an enclosure 50x100 feet, and partially covered on one side, has been constructed, that the men confined there may be employed in breaking stone to be used in macadamizing our streets.

#### SOLDIERS' MONUMENT.

An appropriation of a thousand dollars was made at the commencement of the year for a soldiers' monument, and this sum has been securely invested. I may be permitted

to suggest that larger sums must be appropriated for this object from year to year, or donations for the purpose must come from some other source, if the present generation would see a monument erected, worthy of the city, and worthy of our heroic dead.

For an account of improvements made in our cemeteries, I would refer you to the Report of the Committee on Cemeteries.

#### CONCLUSION.

*Gentlemen of the City Councils:* Thus briefly have I endeavored to give you a summary of our acts for the year now closing. Many enterprises have been undertaken, and a large amount of money expended. I trust that our official conduct may bear the test of a careful examination, and receive the approval of our fellow citizens. I trust that it shall appear that what we have done has been judiciously undertaken, and that the city government for 1873 has been wisely and economically administered. I know that our purpose has been honest, and that our desire to advance the interests and prosperity of the city has been sincere and uniform.

Our official relations have been of the most agreeable character, and our intercourse leaves no bitterness behind. Personally I desire to express my appreciation of the kindness and courtesy which you have uniformly extended to me. I have looked to you for counsel and support in the discharge of duties which, at the commencement of my term of service, were new, and oftentimes have been perplexing, and I have not looked in vain. The friendships, formed under such circumstances, I shall cherish to my latest days.

And now as we step aside and leave our places to those who shall come after us, let it be our prayer to the Father of us all, that he may guard and keep our young but rapidly-growing city in the future, as he has done in the past.





MANCHESTER  
CITY GOVERNMENT,  
1873.

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MAYOR.

\* CHARLES H. BARTLETT.  
† JOHN P. NEWELL.

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CITY CLERK.

JOSEPH E. BENNETT.

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ALDERMEN.

WARD 1.—Israel W. Dickey.

WARD 2.—Jonathan B. Moore.

WARD 3.—Nehemiah S. Bean.

WARD 4.—Horace Pettee.

WARD 5.—John Sweeney.

WARD 6.—Ephraim S. Harvey.

WARD 7.—Luther E. Wallace.

WARD 8.—Albert A. Woodward.

\* Resigned February 18th.

† Elected to fill vacancy.

## PRESIDENT OF COMMON COUNCIL.

Charles A. Smith.

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## CLERK OF COMMON COUNCIL.

Sylvanus B. Putman.

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## MEMBERS OF COMMON COUNCIL.

## WARD 1.

Levi L. Aldrich,  
Sam C. Lowell,  
James L. Sweet.

## Ward 5.

John L. Kennedy,  
Patrick Cullity,  
John F. Cahill.

## WARD 2.

Leonard Shelters,  
John W. Dickey,  
Frank Pushee.

## WARD 6.

Henry B. Fairbanks,  
Amory Cobb,  
Charles K. Tucker.

## WARD 3.

Charles A. Smith,  
Rufus H. Pike,  
Robert G. Annan.

## WARD 7.

William G. Dunham,  
Isaac W. Darrah,  
Isaac R. Dewey.

## WARD 4.

Charles R. Colley,  
Joseph L. Smith,  
Jason Weston.

## WARD 8.

Silas A. Felton,  
Frank D. Hanscom,  
John Field.

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## MESSENGER.

William Stevens.

INAUGURAL ADDRESS

OF THE

**HON. JAMES A. WESTON,**  
MAYOR,

TO THE

CITY COUNCILS OF MANCHESTER,

DELIVERED BEFORE THE TWO BRANCHES IN CONVENTION,  
JANUARY 6, 1874.



## INAUGURAL ADDRESS.

GENTLEMEN OF THE CITY COUNCILS:

We have been called by our fellow-citizens to important and responsible positions; we have each taken a solemn oath that the duties we have assumed shall be faithfully and impartially performed; and the aid of the Divine Being has been invoked to guide and direct us in the management of the great trusts committed to our care.

Let us be mindful of our obligations to the whole people, whose servants we have become; the solemn pledges we have here made, and our dependence upon Him who holds the destinies of all in his hands.

By the blessing of a kind Providence, this community has been prospered, in all its interests, to an unusual degree; and its freedom from any great calamity, and from the many public trials to which cities are ever exposed, may well awaken emotions of gratitude in every heart.

The growth of our municipality in population and wealth, within the last few years, has been unprecedented in its history. The census of 1870 credits the city with a population of 23,509; and the number of polls at the same time, as returned by the assessors, was 4,959. This number was increased to 6,212 in the three years following; and on the assumption that the population increased in the same ratio, we now number about 30,000 souls; while

the valuation of property, during the same period, has increased at the rate of nearly a half million dollars annually.

The check to our business industries by the late financial embarrassments has been inconsiderable, as compared with its effects upon other places; and all pursuits are gradually regaining their former vigor and activity. There seems to be no good reason to doubt that the recent expansion of the city is permanent and substantial, and that the future will be fruitful in all the elements required to promote the happiness and success of the people. With this encouraging view of the present and future, it behooves us, as we are at the threshold of our public labors, to begin, not only with broad and liberal purposes, but with a thorough and faithful examination of public wants, that we may meet the requirements, and answer the just and reasonable expectations of an intelligent and progressive community. We cannot, however, be unmindful of the heavy indebtedness already incurred by the city, and the burden of taxation incident thereto; and while the demands for substantial and needful improvements ought to be heeded, our administration must be characterized by a determination to adhere to the most rigid economy in all business transactions, manfully resisting all attempts to draw upon the public treasury, except where the necessities are emphatically apparent, and where the public welfare will be promoted thereby. A just discrimination, too, should ever be exercised between parsimony and frugality, as well as between extravagance and liberality.

The annual reports of the officers of the various departments of the city government are received too late to be of much service at this time. They have been submitted, however, and to them I must refer you for a more particular description of their several requirements, than can now be furnished. The details of receipts and expenditures for

the past year will be published as usual; but in the meantime I invite your attention to the following general statements, furnished by the Treasurer, setting forth the present condition of the city:

## FINANCES.

Amount funded debt Jan. 1, 1873.....	\$762,100 00
Decrease during the year.....	1,600 00
Amount funded debt Jan. 1, 1874.....	<u>\$760,500 00</u>
Amount temporary loan Jan. 1, 1873.....	2,298 57
Increase during the year.....	96,120 00
Amount temporary loan Jan. 1, 1874.....	<u>\$98,418 57</u>
Amount interest due, estimated.....	20,000 00
Outstanding bills due Jan. 1, 1874.....	62,998 10
	<hr/>
Total indebtedness Jan. 1, 1874.....	\$941,916 67
Cash in treasury Jan. 1, 1874.....	\$32,803 11
Notes due the city.....	3,163 40
Interest on same.....	490 00
Water bonds unsold.....	68,100 00
State " ".....	29,500 00
	<u>\$134,056 51</u>
	<hr/>
Net indebtedness Jan. 1, 1874.....	\$807,860 16
Net indebtedness Jan. 1, 1873.....	530,680 91
	<hr/>
Increase of indebtedness during the year.....	\$277,179 25

The Collector estimates that about \$22,000 may be realized from the lists of uncollected taxes, an amount much less than usual at this time of the year. It will be observed by the foregoing statements that there are outstanding bills and interest now due, amounting to more than eighty-one thousand dollars, and that the cash on hand with which to meet these bills is less than thirty-three thousand dollars, leaving a balance of more than forty-eight thousand five hundred dollars unprovided for. But since

this statement was furnished, the State bonds, amounting to \$29,500, have been disposed of.

There are also notes against the city which must be provided for, maturing as follows :

In the month of January.....	\$21,000 00
In the month of February.....	29,000 00
In the month of March.....	28,020 00
In the month of April.....	14,700 00
	<hr/>
Amounting to.....	\$92,720 00

The ordinary monthly drafts are also to be met, and in addition to all this, \$21,500 of the funded debt matures in July and August. No great amount of revenue can be expected from taxes until the first of July ; therefore to meet all these liabilities we must rely mainly upon the city bonds unsold, amounting to \$68,100. And I recommend that these be disposed of as fast as it can be done advantageously, and that the proceeds be applied to the reduction of the debt. There will still remain a balance of the floating debt unprovided for, and I see no better way than to issue additional bonds to an amount necessary to meet the deficiency.

A resolution was passed by our predecessors in favor of discontinuing the practice of insuring the property of the city. No insurance has since been effected, and most of that formerly existing has expired. Should this policy be continued, I recommend that an amount equal at least to the sum required to effect ordinary insurance, be set apart as the foundation of a fund, from which to make good any damage resulting from fire.

#### WATER-WORKS.

The enterprise of supplying pure and abundant water for the benefit of its citizens, is the most important one



that the city has ever entered upon, both as regards the universal benefit to be derived therefrom and the debt created thereby. The entire management of this work is confided to a Board of Water Commissioners, the power of granting appropriations therefor being reserved to the City Councils.

The amount already appropriated is.....	\$550,009 00	
Amount expended for construction, tools, buildings, machinery and engineering.....	507,508 91	
	<hr/>	
Balance.....	\$42,491 09	

The following sums have also been charged to the water-works account, the expenditures having been made under the direction of the Water Commissioners, with the exception of the discounts allowed, as the bonds were sold and the interests or coupons paid on the same, these amounts not being regarded by them as legitimate expenses of construction, to wit:

Expense of Commissioners' visiting other works.....	\$285 87	
Cost of preliminary surveys, other than Lake Massabesic.....	1,815 38	
	<hr/>	\$2,101 25
Office furniture.....		662 35
Expended on highway near Geo. Porter's..	\$1,535 29	
Advanced for lands on new highway.....	4,824 00	
Stone arch bridge on new highway.....	5,118 00	
Grading and culverts on new highway.....	2,523 24	
	<hr/>	14,000 53
Balance on interest in 1872.....	\$10,450 77	
Discount on State bonds in 1873.....	2,488 50	
Balance on interest in 1873, including cou- pons due January 1, 1874.....	21,381 74	
	<hr/>	\$34,321 01
Expended for service pipes.....		4,990 43
	<hr/>	\$39,311 44
Amounting in all to.....		\$56,075 57

Should these items remain charged to the water-works account, it will be observed that the appropriations have been overdrawn in the sum of \$13,584.48; but should it be deemed expedient to relieve the water-works account of these expenditures, the balance of the appropriation (\$42,491.09) will be nearly sufficient to complete the works now in progress — the estimated cost being from fifty to sixty thousand dollars. The Board of Water Commissioners ask to have this amount of available funds placed at their disposal.

The amount of pipes laid to this date is 21,581 miles, and 209 public fire hydrants are set and ready for use in case of fire.

There have been 326 applications made for water, and 317 service pipes are now laid.

The revenue derived from water takers to this date, exclusive of hydrant service, is \$2,097.60; and the annual income at the present time, as estimated by the Engineer, is at the rate of \$18,240.00, or about three per cent. on the cost of the works. This estimate includes the use of the public fire hydrants, for which the city is expected to allow the water-works department \$60.00 per annum each.

The dam on the outlet of the lake is completed, and the pumps are now being placed in position. The exterior of the brick pumping station is finished, and in a few months the pipes may be filled from the Massabesic, by forcing the water directly into them — the reservoir being incomplete. By midsummer of the present season, the works are expected to be in full operation, and the waters of the lake supplied in abundance in all the principal streets.

#### SCHOOLS.

It is not necessary that I should enter into a lengthy discussion relative to the public schools. Their control and

management is vested in the hands of a separate board, chosen with special reference to their qualifications for this purpose. They have furnished a detailed report as to their condition, wants and necessities, and to this report your earnest and favorable attention is invited, that when we are called upon to make the annual appropriation for their maintenance, we shall be able to act with a clear understanding on a matter of so much moment. Too much care cannot be bestowed upon this subject. Nothing we can do for our children will be of so much value to them, and so secure the interests of society, as to give them a good, sound education. It is the best proof of the wisdom of our fathers that they based the permanency and prosperity of republican institutions upon this foundation.

#### SCHOOL-HOUSES.

The foundation of a Grammar school-house on Ash street was commenced in 1872, and was partially laid. During the last year the walls have gone up, the roof has been covered, in fact the entire outside of the structure is substantially completed; but nothing has been done to the interior, except such work as it was necessary to do in connection with the outside. The house is built of brick, the ground plan forming a cross, and has a tower on the north-east and south-west corners. It has a basement, two full stories, and a story in the mansard roof. There are eight school-rooms, designed to accommodate forty-six pupils each, also a large hall in the roof story, capable of seating six hundred persons.

The amount already expended is \$28,239.76. The architect estimates that a further expenditure of about \$26,000 will be required to complete the building ready for occupancy. It is understood that the wants of the School Department require the completion of the building as early as practicable.

I am not aware that any further accommodations will be called for the present year; but a prudent foresight would suggest that convenient and ample lots be procured in such locations as may require the erection of school buildings hereafter, and before the most desirable sites are occupied for other purposes.

#### THE CITY LIBRARY.

The value and usefulness of the city library is every year more apparent, and as an educational institution it should receive our fostering care. It furnishes the material whereby all classes of the community may be entertained and instructed, and its shelves are annually receiving valuable acquisitions. The present number of volumes is 17,671, being an increase of 609 over the previous year.

During the year 1863, a complete catalogue of the books was published. Since that time annual supplements have been prepared, some of which are now out of print, occasioning much annoyance to those in search of particular works. It seems reasonable that as often as once in ten years there should be a complete catalogue. I suggest that the necessary funds be furnished to the trustees to defray the expense of compiling and reprinting all the supplements.

#### FIRE DEPARTMENT.

During the past year the losses by fire have been much below the average. There have been twenty alarms, and the service of the firemen were required eleven times. The entire loss is estimated at \$16,900, on which there was an insurance of \$8,900.

The fire-alarm telegraph continues to meet the high expectations entertained by its advocates; and now that the firemen and the people have become accustomed to its workings, its value cannot be over-estimated.

The difficulty of communicating the alarm to all sections of the city has been substantially overcome by locating a bell and striker in the north-west part. It may be expedient, however, to place a striker upon the new school-house on Ash street.

Fire hydrants, furnishing an ample supply of water, are now provided throughout the thickly-settled portion of the city. Ward Seven, however, an important and thriving locality, is not yet supplied, nor is there an adequate supply of water in reservoirs. I trust that the water-pipes will cross the river at no distant day.

The horses used in connection with Engine Company No. 3, are owned by an individual, and are so employed that delays frequently and necessarily occur. I am not at this time prepared to suggest the best means by which more promptness can be secured in this regard; but I deem the subject worthy of mention and investigation.

The outlying districts are so remote from the engine house on Vine street, that in case of alarms in those localities a long time necessarily intervenes before the arrival of the steam fire engines; and a fire of little magnitude when discovered has often made considerable headway during this unavoidable delay. As a means of securing a more prompt application of water in such cases, I recommend that two or more small hydrant hose companies be organized, and provided with suitable apparatus, and buildings for its protection; the companies to be properly located in the outskirts of the water distribution. When the full head of water is upon the pipes, 152 feet above Elm street at the City Hall, the hydrant streams will perform effective service and by the means suggested many fires would be extinguished before the arrival of the steamers.

The promptness and efficiency of the officers and members of the Fire Department were never more apparent; and our exemption from disastrous conflagrations may, in a great

measure, be attributable to this cause. The firemen exhibit much pride in keeping their apparatus in good condition, and the emulation that exists is healthy and commendable.

No better evidence is needed of the harmony and good feeling existing than the organization of the Firemen's Relief Association, established for the purpose of supplying aid to its own number in misfortune. I refer to this with pleasure, and crave this opportunity to commend the association to the favorable consideration of all public-spirited citizens.

#### POLICE DEPARTMENT.

The prevention of crime, the preservation of the peace and the protection of the rights and property of citizens, are among the first duties of the Police Department. To maintain good order, the officers themselves should be orderly; and to secure the safety and well-being of the community, requires the prompt action of discreet, intelligent, efficient and upright men. Unnecessary harshness and a useless show of authority are to be avoided. The law presumes that all parties are innocent, until proven guilty, and those who are accused of crime are entitled to as much leniency as the nature of the case admits.

During the past year 1,443 arrests have been made, being an increase of 672 over that of the previous year. The amounts received in fines and costs is \$9,162.86. The revenue derived from licenses of job teams is \$705.83.

#### COMMONS.

The custom established some years since, of annually constructing a section of iron fence to enclose our public squares, was discontinued the past year. But I cannot doubt the wisdom of the expenditures heretofore made for this pur-

pose. I therefore recommend that the practice be renewed the present year, by the erection of a fence of suitable design on one side of Concord Square.

The pond in Hanover Square was drawn off the past year, and the bottom thoroughly cleaned of the sand and sediment, the accumulations of many years. A bank wall is partially constructed on the northerly side. It will be our province to complete this work, as well as to exercise a proper care for all the commons, that they may continue to be an ornament to the city, and a means of promoting the health and comfort of our citizens.

Some preliminary steps have been taken by our predecessors in reference to the establishment of a Public Park of ample dimensions; but no actual progress has been made. Of the desirableness of this enterprise there can be no doubt, and it should be consummated whenever the state of the city finances warrant an outlay in this direction.

#### CEMETERIES.

Preparations for inclosing both the Valley and Pine Grove Cemeteries with substantial and durable iron fences, were commenced in 1872; but the progress of the work is necessarily slow. I apprehend that the receipts from the sale of lots in the valley, and from other sources, will be insufficient to do more than defray the ordinary expense of the proper care of the grounds, and that an appropriation will be asked for to aid in the construction of the contemplated enclosure.

In addition to the usual care of Pine Grove Cemetery, water has been introduced by an aqueduct, the wells that had been provided having failed to furnish a supply. This will be a great convenience, and will be appreciated by the proprietors of lots, as well as the public generally.

## HIGHWAYS AND STREETS.

No department of the public service comes more directly in contact with the interests of the people than that of streets and highways, and no one is subjected to severer criticism. Nearly everybody has a personal interest in having easy and agreeable thoroughfares, and the reputation of the community for its good taste, advancement and enterprise is tested by its action in this regard.

It cannot be denied that our streets are, and for years have been, in a very unsatisfactory condition ; and it is evident that they must remain so until some new method of construction and maintenance is adopted. All of the good road-making material within easy access of our principal streets is exhausted, and gravel is only obtained by long and expensive haulage. Nor is this the only difficulty. Much of the material thus obtained is unsuitable, except in a certain condition of moisture ; but it is intolerable in either extreme of wet or dry weather.

Now that the water and gas-pipes are principally laid, it seems to be a favorable time to inaugurate street improvements of a permanent character.

Most of the New England cities have extensively macadamized their streets, and the result has given general, but not universal satisfaction. My own observation induces the belief that we ought at least to give the plan a thorough trial. The Water Commissioners have procured a stone crusher, the use of which can probably be obtained. And I recommend that immediately upon the opening of spring, measures be taken to prepare the material for macadamizing some of the streets ; and that a sufficient amount of work be done to give the matter a fair and satisfactory test. I would suggest that a separate appropriation be made for this purpose.

In all sections of the city, I hope that more than the usual



attention will be given to the interests of this department. The appropriations must be liberal, and when made, much depends upon the manner in which they are expended by the several surveyors. Great care should therefore be exercised in the selection of these officers.

The average wear of a set of planking on the Granite Bridge has been three years; it having been replanked in 1865, 1868 and 1871. This work will probably be required again during the present year, and a portion, or all, of the floor timbers will need to be renewed.

#### SEWERS.

The introduction of water into the city, for domestic and other purposes, renders it more imperative that adequate sewerage be furnished. The main sewer in Elm street was constructed as far northward as Anherst street in 1871, and no subsequent progress has been effected. The continuation of this work seems to be required, and I trust such progress will be made as the state of the finances will permit. Other similar works will be demanded in various sections of the city; and in their construction I cannot too earnestly urge that proper attention be paid to some well-defined system.

The results of laying some of the present sewers without due consideration in this respect, are being manifested in various ways; and in some instances a reconstruction will become necessary.

#### CITY FARM.

During the year 1868, a portion of the City Farm was lotted out, and offered for sale at prices fixed by a committee of the City Councils. Land to the amount of about twenty acres has been disposed of, from which a revenue of about

ten thousand dollars has been derived. As a result of this policy, several fine houses have been erected upon these lands, and the whole neighborhood is greatly improved. I trust it will be your pleasure to continue the same policy, until the farm is reduced to a proper size for economical management. The whole number of paupers at the Alms-house during the year, is eleven; the average number is four and two-thirds. The average number of prisoners at the House of Correction is twenty and one-eighth; the whole number is two hundred and forty. Extensive repairs upon the farm buildings are nearly completed. The outlay thus far is \$7,689.93, and the architect estimates that \$1,000.00 more will be required to complete what is in contemplation.

#### PEST-HOUSE.

The late City Councils authorized the erection of a pest-house, which is now under contract and in a good state of progress. The main building is 34x44 feet, two and a half stories high, with which is connected an L, one and a half stories high. There is also a wood-shed, stable and carriage-house. The contract price is \$4,520.00; but it will require about \$1,000.00 in addition to finish the building and surroundings ready for occupancy, exclusive of furniture. The contract is to be completed by the middle of February next. The sum of \$3,459.15 has been paid toward this work.

#### CONCLUSION.

In the suggestions which I have presented in reference to some of the subjects that will engage our attention, I have endeavored to refer to those of the most importance, and have made such recommendations as appear to be

proper at this time ; but the views expressed may be modified upon a fuller knowledge of all the circumstances in the several cases. Matters of moment may have been omitted, and unforeseen questions will undoubtedly arise during our official term, demanding our best judgment and action.

We have voluntarily taken upon ourselves the burden of watching and protecting great interests, and in the performance of these trusts we should remember that we are only rendering to our city a portion of that service that every citizen owes to the community of which he forms a part.

Let us go forward with vigor and perseverance, ignoring party lines or personal preferences, determined that if there are errors, they shall be without guilt ; and if there are failures, they shall be in the execution and not in the endeavor.

Laboring in this spirit, I pledge you my hearty co-operation in all measures calculated to promote the general welfare ; and you may be assured of my most earnest efforts to render our official intercourse pleasant and harmonious.

May we engage in the work before us unitedly and zealously, and aim to make Manchester a home to men of leisure, a convenience and a great opportunity to the busy, safe to the rich, just and beneficent to the poor, a light to ignorance and a blessing to all.



MANCHESTER  
CITY GOVERNMENT,  
1874.

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MAYOR.

JAMES A. WESTON.

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CITY CLERK.

JOSEPH E. BENNETT.

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ALDERMEN.

WARD 1.—Israel W. Dickey.

WARD 2.—Jonathan B. Moore.

WARD 3.—George R. Simmons.

WARD 4.—Martin V. B. Edgerly.

WARD 5.—John L. Kennedy.

WARD 6.—John M. Hayes.

WARD 7.—James P. Walker.

WARD 8.—Silas A. Felton.

## PRESIDENT OF COMMON COUNCIL.

Rufus H. Pike.

## CLERK OF COMMON COUNCIL.

Sylvanus B. Putnam.

## MEMBERS OF COMMON COUNCIL.

## WARD 1.

Sam C. Lowell,  
James L. Sweet,  
James Patten.

## WARD 5.

Patrick Cullity,  
Patrick Riordan,  
Patrick J. O'Neil.

## WARD 2.

John W. Dickey,  
Frank S. Pushee,  
Jonathan Dodge.

## WARD 6.

Isaac Huse,  
Jeremiah Abbott,  
David M. Goodwin.

## WARD 3.

Rufus H. Pike,  
Robert G. Annan,  
Thomas W. Lane.

## WARD 7.

William G. Dunham,  
Isaac W. Darrah,  
Isaac R. Dewey.

## WARD 4.

Samuel F. Murry,  
Augustus F. Hall,  
John K. Piper.

## WARD 8.

Madison Gerry,  
Warren K. Richardson,  
Lorenzo D. Colby.

## JOINT STANDING COMMITTEES.

*Finance.*—Messrs. Dunham, Abbott and Murry; the Mayor and Alderman Walker.

*Accounts.*—Aldermen Felton and Edgerly ; Messrs. Darrah, Pushee and Hall.

*Lands and Buildings.*—Aldermen Dickey and Kennedy ; Messrs. Annan, Lane and Goodwin.

*Public Instruction.*—Aldermen Walker and Felton ; Messrs. Piper, Dodge and Murry.

*Streets.*—Aldermen Hayes and Kennedy ; Messrs. Darrah, Huse and Hall.

*City Farm.*—Aldermen Simmons and Moore ; Messrs. Sweet, Gerry and Riordan.

*Sewers and Drains.*—Aldermen Edgerly and Felton ; Messrs. Abbott, Patten and Cullity.

*Commons and Cemeteries.*—Aldermen Moore and Kennedy ; Messrs. Pushee, Huse and Goodwin.

*Fire Department.*—Aldermen Simmons and Walker ; Messrs. Lowell, Lane and Colby.

*Claims.*—Aldermen Moore and Hayes ; Messrs. Dewey, Dickey and Annan.

*House of Correction.*—Aldermen Dickey and Hayes ; Messrs. Lowell, Cullity and Richardson.

*Military Affairs.*—Aldermen Edgerly and Simmons ; Messrs. Murry, Pushee and Riordan.

*Lighting Streets.*—Aldermen Dickey and Walker ; Messrs. Patten, Richardson and O'Neil.

STANDING COMMITTEES IN BOARD OF MAYOR AND ALDERMEN.

*Enrollment.*—Aldermen Moore and Edgerly.

*Bills on Second Reading.*—Aldermen Hayes and Felton.

*Licenses.*—Aldermen Kennedy and Simmons.

*Marshal's Accounts.*—Aldermen Edgerly and Dickey.

*Setting Trees.*—Aldermen Simmons and Walker.

*Market.*—Aldermen Dickey and Kennedy.

## STANDING COMMITTEES IN BOARD OF COMMON COUNCIL.

*Election Returns.*—Messrs. Dickey, Gerry and O'Neil.

*Bills on Second Reading.*—Messrs. Piper, Colby and Dewey.

*Enrollment.*—Messrs. Dunham, Dodge and Sweet.

## ASSESSORS.

Moses O. Pearson,  
Christopher C. Colby,  
Nicholas Nichols,  
Thomas B. Brown,

Maurice F. Sheehan,  
John C. Head,  
George H. Colby.

## OVERSEERS OF THE POOR.

William H. Maxwell,  
Sayward J. Young,  
Jeremiah Stickney,  
Moses E. George,

Patrick A. Devine,  
Jeremiah Abbott,  
Ebenezer Hartshorn,  
George S. Chandler.

## SCHOOL COMMITTEE.

James A. Weston, *ex-officio*,  
Henry E. Burnham,  
Marshall P. Hall,  
John G. Lane,  
Nathan P. Hunt,

Rufus H. Pike, *ex-officio*,  
Frank S. Murray,  
Edwin Kennedy,  
George P. Rockwell,  
John E. Stearns.

## SUPERINTENDENT OF PUBLIC INSTRUCTION.

Joseph G. Edgerly.



## CITY TREASURER.

Henry R. Chamberlin.      *Office*—City Hall.

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## COLLECTOR OF TAXES.

Wm. G. Everett.      *Office*—City Hall.

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## CITY SOLICITOR.

John H. Andrews.

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## TRUSTEES OF THE CITY LIBRARY.

Hon. Daniel Clark,	Hon. E. A. Straw,
Hon. Wm. P. Newell,	Hon. Isaac W. Smith,
Hon. Samuel N. Bell,	Hon. Phineas Adams,
Nathan P. Hunt, Esq.,	Rufus H. Pike, <i>ex-officio</i> ,
Hon. James A. Weston,	<i>ex-officio</i> .

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## LIBRARIAN.

Charles H. Marshall.

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## POLICE DEPARTMENT.

*Justice.*

Samuel Upton.      *Office*—City Hall.

*Assistant Justice.*

Henry E. Burnham.

*City Marshal.*

Darwin A. Simons.

*Assistant Marshal.*

, Daniel R. Prescott.

*Captain of the Watch.*

Thomas L. Quimby.

*Day Police.*

Horatio W. Longa,

George F. Laird.

*Night Watchmen.*John C. Colburn,  
Edward Bonner,  
Patrick Doyle,  
Wm. H. B. Newhall,  
Samuel Boyce,  
Zadoc B. Wright,Hezekiah H. Noyes,  
Hiram Stearns,  
Francis H. Webster,  
James Bucklin,  
Timothy P. Shea,  
Michael Fox.*Constables.*Darwin A. Simons,  
Thomas S. Montgomery,  
Anson Merrill,Daniel R. Prescott,  
Harrison D. Lord,  
Joseph M. Rowell.

## BOARD OF HEALTH.

Darwin A. Simons,

Patrick A. Devine.

Richard J. P. Goodwin.

## CITY PHYSICIAN.

Richard J. P. Goodwin.

## CHIEF ENGINEER OF FIRE DEPARTMENT.

Benjamin C. Kendall.

## ASSISTANT ENGINEERS.

Wilberforce Ireland,  
Albion H. Lowell,

Andrew C. Wallace,  
Freeman Higgins.

## CITY AUDITOR AND REGISTRAR.

Joseph E. Bennett.

## WARD OFFICERS.

*Moderators.*

WARD 1.—Charles H. Osgood.

WARD 2.—John H. Rano.

WARD 3.—George W. Riddle.

WARD 4.—Moulton Knowles.

WARD 5.—Daniel F. Healey.

WARD 6.—George H. Dudley.

WARD 7.—Chauncey C. Favor.

WARD 8.—Hiram Stearns.

*Ward Clerks.*

WARD 1.—Silas C. Clatur.

WARD 2.—Israel O. Endicott.

WARD 3.—Henry S. Clark.

WARD 4.—Samuel S. Piper.

WARD 5.—Martin J. Foley.

WARD 6.—Daniel R. Prescott.

WARD 7.—Wm. McElroy.

WARD 8.—George I. Ayer.

*Selectmen.*

## WARD 1.

Franklin W. McKinley,  
Willis P. Fogg,  
William H. Vickery.

## WARD 2.

Abner J. Sanborn,  
David Farmer,  
John Gillespie.

## WARD 3.

Henry F. Morse,  
George P. James,  
Clarence P. Page.

## WARD 4.

Gustavus M. Sanborn,  
Augustus Wagner,  
Horace Gordon.

## WARD 5.

Jeremiah O'Connell,  
Michael Kane,  
Patrick Harrington.

## WARD 6.

Henry A. Gage,  
George W. Baker,  
Jeremiah Garvin.

## WARD 7.

Guy B. Dunham,  
Frank W. Avery,  
Nathan B. Tilton.

## WARD 8.

Benjamin S. Nichols,  
Henry H. Dickey,  
Robert Lund.

MANCHESTER WATER-WORKS.

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SECOND ANNUAL REPORT

OF THE

BOARD OF WATER COMMISSIONERS,

FOR THE

YEAR 1873.



## ANNUAL REPORT.

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The Board of Water Commissioners herewith present their second annual report relating to the construction of Water-Works for the city under the provisions of the ordinance adopted by the City Council, August 1, 1871.

The amount appropriated for this purpose by the City Council in 1872, was four hundred thousand dollars, (\$400,000.00), of which sum, exclusive of interest and discount on bonds sold, two hundred forty-seven thousand five hundred ninety-three dollars, seventy-two cents (\$247,593.72), was expended during that year, as appears from the report of the Engineer at the close of the year, leaving a balance of one hundred and fifty-two thousand four hundred six dollars, twenty-eight cents (\$152,406.28), of that appropriation to be expended during the present year.

In their report of last year the Commissioners recommended that an additional appropriation of one hundred fifty thousand dollars (\$150,000.00) should be made for the purpose of completing the works on a more extended scale than could be done with the appropriation as at first made; that the bonds of the State of New Hampshire, then in the possession of the city, should be applied for such appropriation and to make up the sum required in excess of what might be realized from the State bonds, and that the Commissioners be authorized to expend the sums received for water rates. Early in May the Board presented a memorial to the City Council, in which they recommended that until the Council were satisfied of the strength and sufficiency of the pipes that had been laid, no appropriation

should be made for their extension until such doubts were removed, but that for the other works in progress, as estimated, they recommended an appropriation of seventy-five thousand dollars (\$75,000).

The City Council did not adopt in full the recommendation of the Board, but on the sixth of May, 1873, appropriated sixty thousand dollars (\$60,000.00) for the construction of the works, and on July 21, 1873, appropriated ninety thousand dollars (\$90,000.00) more, for the extension of the system of water pipes in the streets of the city.

As soon as practicable after the appropriation of May 6th was made, the Engineer was directed to obtain proposals for the construction of the reservoir, but on the proposals offered being examined, it was not deemed for the interest of the city to accept any of them, but to do the work under the direction of the Engineer. This work was prosecuted as rapidly as the nature of such construction would admit and with as large a force as could be economically employed.

The extension of the water pipes was begun immediately after the adoption of the resolution appropriating ninety thousand dollars (\$90,000.00) for that object, and was continued as long as the season would permit the same to be done to advantage. The extreme cold weather in the early part of November, however, prevented both of these classes of work from being fully completed.

The total expenditures for the present year, including the balance of interest for the year 1872, and the discount on the sale of the State bonds, has been two hundred ninety-four thousand, six hundred nine dollars and two cents (\$294,609.02), and the total expenditure to the end of the present year, five hundred forty-two thousand, two hundred two dollars seventy-four cents (\$542,202.74), leaving unexpended as the accounts now stand in the office of the City Treasurer, the sum of seven thousand, seven hundred ninety-seven dollars twenty-six cents (\$7,797.26). By the provisions of the ordinance establishing the Board of Water



Commissioners, the excess of interest on the bonds sold was to be carried to the construction account. Under this provision the discount at which the water bonds of the city, and the State bonds were sold, has been included in the above amount of expenditure, although the bonds were negotiated by other parties than the Water Commissioners.

The amount of this discount, as charged on the city bonds, was nine thousand forty-seven dollars and fifty cents (\$9,047.50), and the discount on the State bonds was two thousand four hundred eighty-eight dollars fifty cents (\$2,488.50).

The expense of the land damages on the new highway laid out from near the reservoir past the pumping station to Sawyer's Corner, amounting to four thousand eight hundred twenty-four dollars (\$4,824.00), the expense of building the bridge across Cohas Brook on the same highway, amounting to five thousand one hundred eighteen dollars (\$5,118.00), the expense of grading a portion of the same highway and putting in culverts in the same, amounting to two thousand five hundred twenty-three dollars twenty-four cents (\$2,523.24), and the amount expended in changing the grade of the highway near the meeting-house at Manchester Centre, amounting to one thousand five hundred thirty-five dollars twenty-nine cents (\$1,535.29), have all been charged in the accounts in the City Treasurer's office to the account of the construction of the Water-Works.

In the opinion of the board, these sums, amounting in the aggregate to twenty-five thousand five hundred thirty-six dollars fifty-three cents (\$25,536.53), should have been charged to other appropriations to which the expenditure more properly belongs, and that the accounts being corrected in these respects, there would be an unexpended balance of thirty-three thousand three hundred thirty-three dollars seventy-nine cents (\$33,333.79) of the appropriation applicable to the construction of the Water-Works.

In determining the balance of interest due and to be

charged to the construction of the Water-Works, no allowance has been made for the water rates due from the city for fire and other purposes, while by the ordinance above referred to, the construction of the Water-Works is to be charged with only the balance of interest after deducting the sums due from the city. This correction of the interest account will diminish the reported amount of expenditures to that extent, and increase the balance of the appropriation now unexpended.

The amount required to be expended in the excavation of the canal and trench for the penstock, by reason of the unprecedentedly hard character of the material to be removed, the cost of building and setting up the pumping apparatus, and the laying of service pipes which it had been originally proposed should be charged to the water-takers, has been considerably greater than was at first estimated, therefore the appropriation thus far made will be insufficient for the full completion of the work that has been undertaken. If the City Council should think the items above referred to should remain charged to the cost of construction of the works, the amount estimated to complete the work now in progress would not be much, if any, short of ninety thousand dollars, and the Board would recommend that an appropriation be made of an amount sufficient to complete the works that have been commenced.

If correction should be made of the sums charged against the appropriation for the Water-Works, as suggested by the Board, the amount required would be reduced to that extent.

The Board would recommend that surveys and estimates be made of the expense required to extend the system of water-pipes beyond the limits where it has been proposed heretofore to construct them, including the extension of the pipes to Piscataquog and Amoskeag, in order that the attention of the public may be called to the subject, so that when, in the future, it may be deemed by the City Council expe-

dient to extend the pipes in those directions, the cost of the expenditure required may be accessible to the members of the City Council.

The subject of the regulation of the water rates has been considered by the Board, and some changes have been found desirable in order that they may be adjusted as near as may be in accordance with the requirements of the city ordinances. The rates as modified, with the rules and regulations deemed necessary for the collection and for the protection of the interests of the city, are appended to this report.

The Board would also suggest the propriety of having the part of section 13 of the ordinance of August 1, 1871, relating to the time when the water-rates are payable, so modified that they be paid *quarterly* in advance on the first days of January, April, July and October in each year, instead of semi-annually, as now required, experience having shown that they can be more easily collected and a better regulation of the use of the water secured thereby, than by the ordinance as now in force.

The report of the Engineer to the Board, showing the details of the expenditures made under his direction, with a statement of the work done and in progress, and schedules of the property now on hand, the number of parties using water, and the purposes to which it is applied, is herewith submitted as a part of this report.

E. A. STRAW,  
 WM. P. NEWELL,  
 E. W. HARRINGTON,  
 ALPHEUS GAY,  
 A. C. WALLACE,  
 J. P. NEWELL,  
 ARETAS BLOOD.

*Water Commissioners.*

S. N. BELL, *Clerk.*

January 1, 1874.



MANCHESTER WATER-WORKS.

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ENGINEER'S REPORT.

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DECEMBER 20, 1873.



## ENGINEER'S REPORT.

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TO THE HONORABLE BOARD OF WATER COMMISSIONERS.

*Gentlemen:* Herein is respectfully presented the second Annual Report required from your engineering department, covering the period since Dec. 21, 1872, the date of the first Annual Report. All the works inaugurated previous to the date of the last report have been pushed forward during the season just closed as rapidly as possible, consistent with economy and permanency. The works of the reservoir and service pipes have been commenced during the year. The dam and canal lacked but a few days' labor of completion when winter closed in so abruptly ahead of its time.

### THE DAM.

The dam has been constructed with its apron, overfall, abutments, and priming, of cemented masonry. The distance between the abutments along the overfall is one hundred feet, and the height of the overfall above the surface of the apron is twenty-four feet.

From the northerly abutment to the head-gates of the canal, has been constructed an earth embankment, with a grouted masonry priming along its center, forming a part of the dam. This embankment is twenty-two feet wide on the top, and together with a bridge eighteen feet wide over the overfall, is intended to carry the roadway to take the place of the one heretofore crossing the basin to be flowed by this dam.

The old roadway referred to has recently been discontinued by the City Councils.

This dam will flow twenty-eight and seven-eighths acres additional below the present outlet of the lake. The overfall of the dam is at a level about two feet below ordinary high water in the lake, but will be so arranged that it can be flashed up to near high water mark, as occasion shall require.

There has been constructed a substantial bank wall, from the northerly end of the dam, northerly along the highway to the site of the old bridge, to protect that side of the basin from wash. The highway and bridge across the old mill pond has been raised about three feet to lift them above the flowage of the new dam. Messrs. Clough & Foster removed their saw-mill in the summer, as required for the construction of the new dam.

The land to be flowed by our new dam below the old outlet of the lake is in part of meadow, part of woodland, and part of pasture. The wood and brush have been removed from this, and the stumps and roots should also be removed. That portion of it in the immediate vicinity of the dam has been already cleared of its roots and vegetable soils.

The outlet of the lake should be deepened so that more of the water of the lake might be made available during severe droughts, by drawing down the lake to a lower level.

A new sluice should be constructed at the outlet of the lake to take the place of the leaky flume now standing there, and which has been severely battered by the saw-logs which the former proprietors ran through it in large quantities.

#### CANAL.

The canal has been excavated to a depth of fifteen feet below the level of the overfall, and is fourteen hundred and



seventy feet long from the head-gates at the dam to the gates at the head of the penstock.

The banks on each side have been built up to a level five feet above the level of the overfall of the dam, of material excavated from the canal, and the embankment on the northerly side has been finished thirty-six feet wide for a drive-way from the dam to the pumping station.

The water in the canal will be on a level with that in the lake, ordinarily. The slopes of the canal have not been paved, therefore the bottom of the canal may need an occasional clearing. The sluice-gates and frames at each end of the canal are of Georgia pine and oak, and are to be fitted with racks and fish screens. A proper, substantial railing will be required on each side of the dam, along the northerly side of the canal, and on the highway bank-wall.

#### PENSTOCK.

The penstock, so far as completed, has been constructed of Georgia pine. It is a cylinder six feet in diameter inside, and is six hundred feet long. It has been formed of staves four and three inches thick and three and one-half inches wide, jointed to radial lines and laid so as to break joints, and has been hooped by 1-2 by 2 1-2 inch, and by 3-8 by 2 1-2 inch wrought-iron hoops clamped by two wrought-iron bolts each. The hoops have been made in half lengths with the joints united by the bolts. The hoops have been painted with red lead and linseed oil paint. The bed of the tube is to be thoroughly puddled and the surface outside covered with cement concrete. The penstock slopes twenty-six feet in its length, and the water in the lower end at the pump house will have forty feet head pressure. The lower end of the penstock enters into a large branch casting standing in the pump house, from which branches two forty-two-inch pipes leading to the turbine wheels, and one

thirty-inch pipe leading to the pumps, and on which stands a stand-pipe.

#### TAIL-RACE.

The tail-race from the wheel-pit to the old water course has been excavated, and walled as far as it is proposed to wall it at present. A substantial stone arch has been constructed over the tail-race for an approach to the main door of the pump-house.

#### PUMP-HOUSE.

The pump-house is seventy feet long and forty-five feet wide. The walls are of brick, with granite trimmings, and are on the rear thirty-two feet high, and on the front twenty-two and one-half feet high. To the southerly side of the pump-house is attached a wing with two floors and attic, arranged for a dwelling for the attendant who will be in charge of the pumping machinery. The exterior of the pump-house is complete. There is yet to be a gallery constructed around the interior, and the interior of the dwelling remains to be finished. The foundations to receive the pumping machinery are complete. The proposed concrete floor of the pump-house will not be laid until the machinery is set up complete.

#### PUMPS.

Proposals were requested near the close of last year for our pumping machinery from several prominent builders of the class of work desired. A design and specification were submitted to the several parties, as a basis for their bids, and tenders were received ranging in amount from about thirty-five thousand dollars to seventy thousand dollars. Messrs. R. D. Wood & Co., of Philadelphia, being the low-

est bidders, received the award, and a contract for the machinery as per the specification was completed by them on the fourteenth day of January, 1873.

The contract includes two Jonval turbines of one hundred horse-power each, and two pairs of bucket and plunger pumps, with cylinders sixteen inches diameter, and plungers eleven and one-quarter inches diameter with forty inch stroke. This machinery is now being set up in the pump-house by the contractors and is expected to be set up complete by the first of March next. The cost of this pumping machinery and the special castings that will be set in connection therewith, will be forty thousand dollars. The turbines will work under forty-five feet head of water. The lift of water from the lake to the reservoir will be one hundred and ten feet vertical. The length of the force main, which is of twenty inches diameter, is seven thousand feet.

The pumps are to be capable of lifting five million gallons of water from the lake to the reservoir in twenty-four hours. The fall of water from the reservoir to Elm street at the City Hall, will be one hundred and fifty-two feet, and at the railway station one hundred and eighty-eight feet.

#### PIPES.

The force and supply mains are complete. The extension of distribution pipes has been carried forward as rapidly as possible since the appropriation was made therefor. The early setting in of winter prevented the extension of the fourteen inch pipe southerly on Elm street, and the completion of work in the rock cut on Beech street, as was intended.

The amounts of pipes, gates, hydrants, and air-valves set during the season of 1873, have been as follows :

2,189.9	feet of 20	inch diameter pipe,
1,319	" of 14	" " "
2,926	" of 12	" " "
1,241.7	" of 10	" " "
1,242	" of 8	" " "
29,037	" of 7	" " "
504	" of 4	" " "

2	gates 20	inch diameter.
1	" 14	" "
2	" 10	" "
42	" 6	" "
4	" 4	" "

8 air-valves 2 inch diameter,  
75 hydrants, (3 nozzle).

The totals of pipes, gates, hydrants and air-valves laid and set to date is as follows :

21,038.9	feet of 20	inch diameter pipe,
5,207	" of 14	" " "
7,391	" of 12	" " "
1,320	" of 10	" " "
5,971	" of 8	" " "
67,292.5	" of 6	" " "
5,731	" of 4	" " "

5	gates 20	inch diameter.
6	" 14	" "
7	" 12	" "
5	" 10	" "
15	" 8	" "
113	" 6	" "
12	" 4	" "

8 air-valves, 2 inch diameter,  
210 hydrants (3 nozzle each).

The total cost of water mains and appendages laid and set to date, under contract, is \$273,359.68.

## DISTRIBUTING RESERVOIR.

The works of the reservoir were not commenced until in July last, in consequence of the appropriation therefor not being made until a late day. Detail drawings and forms of specification were prepared for this work, and proposals were requested for the execution of the same. Six proposals were received for the work, ranging from about \$47,000, to \$60,000, exclusive of the sluice valves, special castings and wrought-iron work.

It was not deemed to be for the interest of the city to accept any proposal received.

On the rejection of the tenders, the reservoir work was at once commenced in accordance with instructions, by a portion of the force already engaged in water-works constructions. The work was continued to the close of the season with as strong a force as could be economically used. The earth embankments have been nearly completed. The foundations of the influent chamber have been laid, all the sluice valves, wrought-iron work, and the special castings, except one, are now on hand. Nearly all the rubble stone for the gate chambers, about one-third of the slope paving stone, and all of the broken stone material are now on the ground.

The old parsonage house that formerly stood on one of the lots purchased for the reservoir site, has been moved to the southerly part of the grounds and made available for storage purposes, while awaiting the final decision as to its disposal.

## SERVICE PIPES.

The Amoskeag Company, in response to the request of the City Council, having consented to supply water for domestic use in the city from their reservoir until water shall be introduced from Lake Massabesic, a specification was at once prepared for service pipes to be laid from the main

pipes to the property lines, and proposals were requested thereon.

Three proposals were received from parties residing in this city, and three from parties residing elsewhere. The proposal of John Q. A. Sargent of this city being the lowest, was accepted, and a contract for the service pipes, as per the specification, was completed by him on the seventh day of July, 1873.

The number of applications for water, to Dec. 20th, has been 326.

The service pipes of two-inch diameter, as laid, are of rubber-coated gas-tubing. All smaller services are of cement-lined gas-tubing. Four services have been laid of four inch diameter, wrought-iron, cement-lined pipes. Two hundred and eighty-seven services have been laid to date, requiring pipes as follows, viz :

23	services	of	$\frac{1}{2}$	inch	diameter.
232	"	of	$\frac{3}{4}$	"	"
22	"	of	1	"	"
4	"	of	$1\frac{1}{4}$	"	"
2	"	of	2	"	"
4	"	of	4	"	"

The total length of services laid within the highway is 8,287 feet. The cost of service pipes, to Dec. 20th, has been \$5,132.17.

Two hundred and ninety-five of the applicants for water are now being supplied.

Twenty-two applicants have had services laid, but water has not yet been turned on.

Four applicants have not yet had their services laid. Three applications have been canceled and renewed under other names.

Two applicants have their water cut off for non-payment of water rent.

Water has been cut off in nine instances for non-payment of water rent, in all but two of which payment has immediately followed.

There are now seven meters in use, two of which are owned by the water consumers.

#### WELL WATER.

Our city has heretofore depended mainly on wells for its supply of water for domestic use, as young cities are usually obliged to do. Well and spring water drawn from quartzose earths in the open country and in the outskirts of villages have ordinary coolness and limpidity, combined with just sufficient mineral impregnations to make them not only sparkling to the eye, but wholesome, and agreeable to the taste. As the villages grow into more densely populated towns and cities, their wells lose their original purity and are transformed in many instances into polluted catch-basins and dispensers of disease. The relative rapidity of change of the wells of a city from comparative purity to foulness, is dependent to a considerable extent on the nature of the soils on which the city is founded. Close and firm soils do for a long time resist the penetration of the dissolving refuse scattered over the yards and streets of a city, so that it does not ferment before it is washed into the sewers and water courses, but porous, sandy soils absorb the decaying garbage and excretas below the reach of the surface wash, where they ferment under the action of summer heats and moistures. Sandy soils also absorb readily the liquids from the cesspools and leaky sewers, and in process of time become so foul as to load the atmosphere with noxious odors and charge the waters that soak down through them to the wells with endemic properties that will, when other favorable conditions arise, develop typhus and cholera germs. The offensive odors that arise from some of our back streets after, as

well as before their periodical cleanings by the city scavengers, give evidence of the saturation of the ground with fermenting vegetable and animal refuse, and give warning that the wells in their vicinity may be polluted thereby. There can be but few wells in our city entirely free from the influence of leaky stable cellars, cesspools, and leaky sewers. The fact that many of our pump wells are driven down through our sandy surface soil, and thin, underlying impervious strata into a lower water-bearing stratum, has led many to believe we are thus protected against the injurious effects of the surface contaminations, while in reality the piercing of the impervious crust for the well has but opened a direct channel through, and every stroke of our pumps, tends to create a vacuum beneath the opening that shall suck down the surface water along the tube to be pumped up by the next draught of water.

Physicians have heretofore observed that a slight impregnation of sewage gives a pleasant flavor to water, that causes it to be preferred by those accustomed to it, before the more wholesome waters of the hills, while at the same time it was gradually introducing disease into the blood. It is not less notorious that cholera and malignant fevers attack first and fiercest those dense quarters of the cities in which the people most generally secure their water supply from wells in the court yards and public streets.

The taste cannot ordinarily be depended upon in the proper selection of potable waters, nor can the uneducated eye detect the sewage when rendered clear and transparent by infiltration. A familiar instance is now recalled in which a deep well was located in a yard about two rods from a sink cesspool, the waters of which were pronounced excellent in the neighborhood. The owner would not be persuaded that the water might be affected by leakage from the cesspool, though his horses refused to drink it until compelled by thirst.



On one occasion a quantity of cider went to waste on his cellar bottom in consequence of the bursting of a hoop on his cider barrel. On the next day there was a new taste to the water in his well, and he had gained a new idea of the rapidity of filtration towards wells subjected to heavy draughts. The flavor of the cider had passed by his cess-pool and its influence had become perceptible in the well. Our city daily papers have, during the past season, given among their local items, two instances of infiltration worthy of notice. In one instance some salt which had been used in the manufacture of ice cream, had been allowed to remain on a cellar bottom and had impregnated the waters of the wells in the neighborhood so as to render them unfit for use for a time. In the other instance, a barrel of beer that had gone accidentally to waste, had found its way into the channels leading to other wells, thus introducing new flavors that by their unfamiliarity in those sources, were observable. It has been asserted by the health officers of London, that one pump well in Broad street killed five hundred persons in a single week by disseminating cholera.

Dr. Whitmore, in an official report relating to the recent outbreak of typhoid fever in a certain district of London, traces the outbreak of fever to a distinct cause. He made a thorough critical survey of the farms supplying milk to the district referred to, and in one of the eight farms examined, the fact was discovered that the well furnishing the water for washing cans and cooling milk was located in proximity to the waste-drain of the house, and also that there were in the immediate neighborhood of the well, pigsties and manure-heaps. The doctor remarks: "Though by no means a pleasing fact to contemplate, there can be but little doubt that the water of this well was impregnated with the typhoid poison conveyed into it from the drainage of the house-sinks. This water, thus poisoned, was daily used for the washing of the milk cans. Nor is it improbable that the water was also used in adulteration of the milk itself."

It was further developed in this case that the proprietor of this farm had died of typhoid fever just previous to the breaking out of the fever in the city.

Dr. Chandler of New York, chemist to the Metropolitan Board of Health, asserts that "many diseases of the most fatal character are now traced to the use of waters poisoned with the soakage from soils charged with sewage and excremental matters;" also that "sudden outbreaks of disease of a dysenteric character are often caused by an irruption of sewage into wells." It has been clearly demonstrated in most of the large cities of the world, that the use of impure well water is one of the greatest inducements to cholera and epidemics. Cholera has become almost unknown in the sections of New York and Boston fully supplied by Croton and Cochituate waters, while cases are occasionally reported in the sections still supplied by wells. The city of Memphis was visited by a fearful epidemic during the past summer, and her leading editors charged it to the lack of wholesome water and the lack of an efficient system of sewerage, while Charleston, though in a less healthy location, has by wise forethought, shielded herself almost entirely from epidemic scourges.

Bombay only a few years since was subject to almost annual epidemics of cholera, which killed from three thousand to five thousand persons, but since the introduction of an abundant supply of wholesome water from the mountains, this scourge has never assumed epidemic proportions there. Nearly every ancient and modern city has experienced the sanitary necessity of providing for itself a more wholesome supply of water for its domestic uses than is yielded by the soil on which it stands. Next to their temples, the enlightened ancients gave to their aqueducts their best resources and skill. When Alexander the Great, after his success against Tyre, desiring to develop the resources of Egypt, planned his new capital near the delta of the Nile, he pro-

vided conduits for water through its length and breadth, of substantial masonry. The historian informs us that every private dwelling had its reservoir of water provided for it, which was supplied by subterranean conduits from the Nile, and that the reservoirs and conduits were lined with a fine, impervious cement which remains perfect at the present day. It is also related that when Cæsar arrived at Alexandria for conquest, before the beginning of our Christian era, he found that city almost hollow underneath from the many aqueducts that furnished the private houses with water from the Nile.

The ancient Roman conduits and wells, of which some examples still remain, were lined with cement to prevent the percolation of sewage into them or the waste of water from them, and the aqueducts leading water to them from the base of the Appenines, have remained for two thousand years, unrivaled monuments of constructive skill and the prosperity of the empire. Byzantium, while aspiring under the rule of Constantine the Great to rival the older Roman capital in magnificence and commerce, filled her wells and cisterns from the slopes of the Balkan mountains and forests of Belgrade. Vienna has recently completed her extensive water-works at a cost of about six million dollars, leading water from the Styrian Alpine hills. Paris has recently completed her works leading water from a distant tributary of the Seine, and Glasgow has tunneled through successive ranges of hills and spanned some of the interlying valleys with lofty aqueducts, to lead the clear and transparent waters of Loch Katrine within her borders.

Our own city now, obeying as it were a law of Nature, turns to a neighboring lake of unusual purity, which our beneficent Benefactor and Law-giver has stored and replenishes for us, for an ample supply of water, more wholesome than our wells afford, the introduction and general use of which cannot but prove a most important sanitary reform.

## FINANCIAL STATEMENT DEC. 20, 1873.

The appropriations for construction of Water-Works have been as follows, viz. :

August 1, 1871, . . . . .	\$400,000 00
May 6, 1873, . . . . .	60,000 00
July 21, 1873. . . . .	90,000 00
	<hr/>
	\$550,000 00

The interest account appearing in bills approved to Dec. 20, 1873, is as follows, viz. :

Dec. 31, 1872, discount on bonds sold, . . . . .	\$9,047 50
coupons paid, . . . . .	8,811 00
	<hr/>
	\$17,858 50
Interest credited to Water Fund, . . . . .	7,407 73
	<hr/>
Balance, . . . . .	\$10,450 77
Dec. 20, 1873, *Discount on State Bonds, . . . . .	2,488 50
	<hr/>
	\$12,939 27

The assessments for Public Fire Hydrants to Dec. 20, 1873, are as follows, viz. :

Feb. 1, 1872, 15 hydrants at \$10.00, to April 1, . . . . .	\$150 00
April 1, " 15 hydrants at \$15.00 per quarter, . . . . .	225 00
July 1, " 18 hydrants at \$15.00 per quarter, . . . . .	270 00
Oct. 1, " 53 hydrants at \$15.00 per quarter, . . . . .	795 00
Jan. 1, 1873, 128 hydrants at \$15.00 per quarter, . . . . .	1920 00
April 1, " 134 hydrants at \$15.00 per quarter, . . . . .	2010 00
July 1, " 137 hydrants at \$15.00 per quarter, . . . . .	2055 00
Oct. 1, " 172 hydrants at \$15.00 per quarter, . . . . .	2580 00
	<hr/>
	\$10,005 00

The money collected during the year and paid to the City Treasurer is as follows, viz. :

Collected for hay, coal and freights, . . . . .	\$63 00
Collected for supplies furnished laborers, . . . . .	114 07

\* The City Treasurer reports the balance of interest account at this date for 1873, as \$21,381.74.

Received from water-rents, less abatements, . . .	\$1,628 34
“ “ fines and letting on water, . . .	14 00
“ “ metered water-rents, . . .	189 26
“ “ rents of meters, . . .	1 58
“ “ extras, . . .	64 35
“ “ sale of one meter, . . .	23 00
	<hr/>
	\$2,097 60

Amount of abatements 1873, . . . \$54 82

Sept. 27, Paid City Treasurer cash, . . .	\$175 00
Oct. 9, “ “ “ “ . . .	500 00
Oct. 13, “ “ “ “ . . .	200 00
Oct. 18, “ “ “ “ . . .	300 00
Oct. 31, “ “ “ “ . . .	400 00
Nov. 10, “ “ “ “ . . .	100 00
Dec. 3, “ “ “ “ . . .	150 00
Dec. 18, “ “ “ “ . . .	65 00
Dec. 20, “ “ “ “ . . .	207 60
	<hr/>
	\$2,097 60

The rate of annual income Jan. 1, 1874, for water-rates and hydrant assessments, will be \$18,240.00.

TOTAL EXPENDITURES FOR WATER-WORKS TO DEC. 20, 1873.

Expense of Commissioners to visit other Works, . . . . .	\$285 87
Cost of preliminary surveys of Maple Falls, Burnham Pond, and sources other than Lake Massabesic, . . . . .	1,815 38
	<hr/>
	\$2,101 25
Office furniture, . . . . .	662 35
Expended on highway near Geo. Porter's, . . . . .	\$1,535 29
Advanced for lands on new highway, . . . . .	4,824 00
Stone arched bridge on new highway, . . . . .	5,118 00
Grading and culverts on new highway, . . . . .	2,523 24
	<hr/>
	\$14,000 53
Balance on interest in 1872, . . . . .	10,450 77
Discount on State Bonds in 1873. . . . .	2,488 50
	<hr/>
	12,939 27
Expended for service pipes, . . . . .	5,132 17
Total expended on construction, tools, buildings, machines and engineering, . . . . .	507,367 17
	<hr/>
	\$542,202 74

Amount of bills approved in 1871,	.	.	\$1,723 06
“ “ “ “ 1872,	.	.	245,870 66
“ “ “ “ 1873,	.	.	294,609 02
			<hr/>
			\$542,202 74

In the above item of expenditures (\$542,202.74), the following items are included, which are properly chargeable to accounts other than that of cost of constructing water-works, viz:

Discount on bonds sold in 1873,	.	.	\$9,047 50
Discount on State bonds sold,	.	.	2,488 50
			<hr/>
			\$11,536 00
Cost of land for new highway,	.	.	\$4,824 00
Stone arched highway bridge,	.	.	5,118 00
Grading and culverts on new highway,	.	.	2,523 24
Grading highway near Centre meeting house,	.	.	1,535 29
			<hr/>
			\$14,000 53
There has been collected and paid to the City Treasurer as follows, viz:			
For supplies furnished laborers in 1872,	.	.	\$573 61
For water rents and supplies in 1873,	.	.	2,097 60
There is due from the city for use of public hydrants,	.	.	10,005 00
			<hr/>
			\$12,675 21
			<hr/>
			\$38,211 74

The estimated cost of completing the Reservoir is \$28,000; the pumps, \$23,000; and the dam, canal, penstock, drains and tenement, \$28,000.

Memorandums of the locations of hydrants set within the year, the uses for which water is supplied, the kinds of fixtures that are supplied, and an inventory of furniture, supplies, tools and machines on hand, are hereto appended.

Respectfully,

J. T. FANNING, *Engineer.*

## HYDRANTS.

The hydrant which stood on the north-east corner of Pearl and Elm streets has been removed to the north-west corner of Pearl and Ash streets. Seventy-five hydrants have been set since the date of the last Annual Report, and are located on the following named streets at the points designated :

- Amherst, north-west corner Maple Street.
- Amherst, north-west corner Lincoln Street.
- Amherst, north-west corner Ashland Street.
- Amherst, north west corner Hall Street.
- Arlington, north-west corner Cross Street.
- Arlington, north-west corner Warren Street.
- Arlington, north-west corner Ashland.
- Ash, front of No. 32.
- Auburn, north-east corner Canal Street.
- Bedford, north-west corner Granite Street.
- Bedford, near No. 36 M. P. W. Corp.
- Bedford, north-west corner Central Street.
- Beech, front of No. 584.
- Bridge, north-west corner Walnut Street.
- Bridge, north-west corner Beech Street.
- Bridge, north-west corner Ash Street.
- Bridge, north-west corner Maple Street.
- Bridge, near No. 242.
- Bridge, north-west corner Russell Street.
- Bridge, north-west Linden Street.
- Brook, north-west Elm Street.
- Canal, north-east corner Depot Street.
- Cedar, north-east corner Canal Street.
- Cedar, north-west corner Beech Street.
- Cedar, north-west corner Maple Street.
- Central, northeast corner Canal Street.
- Central, north-west corner Maple Street.
- Central, north-west corner Lincoln Street.

Central, front of No. 374.  
 Concord, north-west corner Nashua Street.  
 Concord, north-west corner Maple Street.  
 Concord, north-west corner Old Amherst.  
 Depot, 100 feet west of Franklin Street.  
 Granite, north-east corner Canal Street.  
 Hanover, north-west corner Maple Street.  
 Hanover, north-west corner Lincoln Street.  
 Hanover, north-west corner Ashland Street.  
 Hanover, north-west corner Hall Street.  
 Hollis, north-east corner Hobbs Street.  
 Kidder, north-east corner Hobbs Street.  
 Laurel, north-west corner Maple Street.  
 Laurel, north-west corner Lincoln Street.  
 Laurel, near No. 244.  
 Laurel, north-west corner Wilson Street.  
 Lowell, north-west corner Ash Street.  
 Lowell, north-west corner South Street.  
 Lowell, front of No. 276.  
 Lowell, north-west corner Wilson Road.  
 Manchester, north-west corner Maple Street.  
 Manchester, north-west corner Lincoln Street.  
 Manchester, north-west corner Wilson Street.  
 Maple, north-west corner Lowell Street.  
 Maple, front of No. 580.  
 Massabesic, north-west corner Old Falls Road.  
 Massabesic, south-east corner Taylor Street.  
 Massabesic, avenue near pumping station.  
 Merrimack, north-west corner Maple Street.  
 Merrimack, north-west corner Lincoln street.  
 Merrimack, near No. 362.  
 Merrimack, north-west corner Wilson Street.  
 Myrtle, north-west corner Walnut Street.  
 Myrtle, north-west corner Beech Street.  
 Myrtle, north-west corner Ash Street.



Myrtle, north-west corner Maple Street.  
 Orange, north-west corner Walnut Street.  
 Pearl, north-west corner Maple Street.  
 Pleasant, north-east corner Canal Street.  
 Pleasant, near No. 35, Manchester Corporation.  
 Pleasant, north-west corner Franklin Street.  
 Spruce, north-west corner Beech Street.  
 Spruce, north-west corner Maple Street.  
 State, north-west corner Granite Street.  
 State, opposite No. 57, Manchester Corporation.  
 State, opposite No. 13, Manchester Corporation.  
 Walnut, opposite No. 79.

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### STATEMENT,

Showing uses for which water is supplied, Dec. 20, 1873.

208 Dwelling Houses,	13 Boarding Houses.
380 Families.	1898 Persons.
54 Table Boarders and Lodgers.	

### PUBLIC BUILDINGS.

4 Hotels.	3 Banks.
2 Churches.	1 Music Hall.
1 Opera House.	5 Fire Engine and Hook and
1 City Hall and City Offices.	Ladder and Hose Compa-
1 Court House.	nies.
1 City Library.	

### MANUFACTURING ESTABLISHMENTS.

2 Breweries.	1 Brass and Copper Foundry.
1 Dye House.	1 Cigar Manufactory.
1 Shoe Manufactory.	1 Clothing Manufactory.
1 Patent Medicine Manufactory.	

## MARKETS.

3 Fish.	3 Meat.
4 Meat and Fish.	

## OFFICES.

2 Dentist.	3 Printing.
16 Professional.	

## SHOPS.

3 Barbers. (9 chairs).	2 Currying.
1 Blacksmith.	2 Plumbers.
1 Tailor.	1 Wheelwright.

## STABLES.

4 Livery (73 horses).	8 Work (38 horses).
26 Private (32 horses and 5 neat cattle).	

## SALOONS.

1 Oyster.	2 Billiard.
5 Dining.	12 Liquor.

## STORES.

15 Groceries.	4 Boot and shoes.
4 Fancy goods.	3 Drug.
3 Gents furnishing.	2 Book.
2 Jewelry.	3 Wholesale liquor.
1 Hardware.	1 House furnishing goods.
11 Stores, not classed, supplied in connection with dwelling houses and having no extra bibb.	

## MISCELLANEOUS.

1 Bakery.	1 Ice house, (washing ice).
1 Wood yard.	1 Watering trough and drink- ing fountain.
2 Photographers.	2 Stationary engines.
10 Building purposes.	210 Public fire hydrants.
8 Private fire hydrants.	142 Garden and street hydrants.

## STATEMENT,

Showing the number and kind of water fixtures contained within the premises of water takers in the City of Manchester to Dec. 20, 1873, not including fixtures supplied through meters.

76 Bibbs having no connection with any drain or sewer.	41 Street washers.
400 Set wash basins.	417 Sinks.
1 Foot bath.	31 Bath tubs.
15 Hopper water closet.	51 Pan water closets.
9 Hopper water closets, (self acting).	7 Hopper water closets, (door).
35 Set wash tubs.	20 Urinals.
1 Jet or fountain.	11 Steam or hot water heating apparatus.
	115 Yard hydrants.

## INVENTORIES.

## INVENTORY OF FURNITURE, INSTRUMENTS AND SUPPLIES IN THE ENGINEER'S OFFICE.

10 Drawing boards.	2 Drawing tables.
2 Stoves.	2 Waste paper baskets.
2 Tapes.	1 Case of drawers.
2 Boxes for water bills.	1 Book case.
1 Wardrobe.	1 Library table.
1 Transit.	1 Level and target.
1 Copying press.	1 Roll of manilla paper.
1 Roll of mounted paper.	1 Roll of tracing muslin.
2 Quires Whatman's double Elephant drawing paper.	

## INVENTORY OF SUPPLIES AND TOOLS BELONGING TO DISTRIBUTION AND SERVICE DEPARTMENT.

2 14-inch gates.	1 hose cap.
5 12-inch gates.	1 soldering union.
2 10-inch gates.	1 service stop-box cover,

1 8-inch gate.	2 1-inch Gem water meters.
16 6-inch gates.	6 3-4 inch Gem water meters.
3 4-inch gates.	2 5-8 Union water meters.
2 2-inch air-valves.	14 hydrant wrenches.
21 hydrants.	9 gates.
1908½ lbs. special castings.	1 service stop.
1 lot of hydrant details.	4 wrenches for repairing hy-
2 15-inch gate curbs.	drants.
1 10-inch air valve curb.	1 air-valve wrench.
1 2-inch coffin valve.	1 meter wrench.
2 1-inch Ludlow valves.	2 monkey wrenches.
1 1 1-2 inch Jenkins's valve.	1 pair calipers.
1 1 1-4 inch corporation stop.	1 machinist's hammer.
1 1-inch corporation stop.	8 shovels, 1 snow shovel, 6
1 3-4 inch corporation stop.	picks.
2 1-2 inch corporation stop.	4 lanterns, 1 dark lantern.
1 3-4 hydrant cock.	2 oil cans, 1 water pail.
1 1 1-4 inch waste stop.	1 sledge, 1 crowbar.
2 1-inch waste stops.	1 screw-driver, 1 pair pincers.
2 3-4 inch waste stops.	2 cold chisels.
1 3-4 inch service stop.	2 mauls.
1 pair long tongs.	1 wheelbarrow.
1 sheet-iron furnace.	

INVENTORY OF TOOLS AND FIXTURES AT THE PUMPING STATION,  
DEC. 20, 1873.

1 "Hoadley" port. 10 H. P. Engine.	9 7-12 dozen old picks.
1 "Blake" 9x13 stone breaker.	5 1-12 doz. old wheelbarrows.
1 plunger pump.	11 steel crow bars.
1 watering-cart body.	11 iron crow bars.
1 hand drilling machine.	7 grub hoes.
2 water tanks.	4 mortar hoes.
2 turnpike shovels.	5 steel stone hammers.
1 hand force pump.	10 steel striking hammers.
150 feet rubber hose.	13 hand hammers.
1 grooved road roller.	5 axes.
2 harrows.	2 bill-hooks.
9 stone boats.	5 bush scythes.
4 garden rakes.	2 large wrenches.

2 office stoves.	3 monkey wrenches.
2 sets Smith's bellows.	3 Smith's hammers.
2 anvils.	2 pair Smith's tongs.
4 plows, 2 laud sides, 4 beams.	1 pair Smith's pincers.
4 full trimmed derricks.	1 3-hook crane.
1 extra mast, 1 boom, 4 guys.	1 14-inch rasp.
1 set blocks and falls.	3 spirit levels.
570 lbs. steel drills, points and chisels.	10 tin cans.
354 lbs. stone chains.	1 4-12 dozen water pails and 9 dippers.
126 lbs. scrap steel.	1 spike hammer.
638 lbs. scrap iron.	1 machine hammer.
104 lbs. of old bolts.	7 machine drills.
2255 lbs. of old plow points.	1 lot hydraulic cement.
22 3-12 dozen old shovels.	

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## RULES AND REGULATIONS.

ADOPTED SEPTEMBER 22, 1873.

RULE 1. Each person desiring a supply of water is to make written application at the office of the Commissioners, and his application must state fully and truly the location where, and all the purposes for which, water is required.

### STRENGTH OF PIPES AND FIXTURES.

RULE 2. All pipes, valves, fixtures, and apparatus must be capable of withstanding a pressure of water of one hundred and fifty pounds per square inch.

### VALVES.

RULE 3. All valves for water-closets and urinals are to be self-closing, and must be submitted to and approved by the Inspector to the Board. Boilers, if supplied direct

from the main, are to be fitted with vacuum valves. Tanks receiving water direct from the main are to be fitted with approved self-acting float valves.

There is to be a stop and waste at the inside of the cellar wall or near where the service pipe enters the premises, and in blocks, a separate stop for each family or tenant, which stops, when supplied by the Commissioners, shall be subject at all times, to their control. The pipes within each building are to be so pitched that they may be fully drained at the waste.

#### PLUMBING.

RULE 4. Water will be supplied only to pipe and fixtures that have been set up and completed, or examined and tested by a plumber licensed by the Commissioners, and which have been fully enumerated and described in a report made by said plumber to the Commissioners, and approved by the Inspector.

#### PLUMBER'S REPORT.

RULE 5. Every plumber who shall set up any pipes or fixtures for the use of water from the City Water-Works, or shall make repairs upon, or additions to pipes or fixtures already set up, shall within two days after the same shall be completed, fill up and return to the Commissioners, a report describing all fixtures, both old and new, for the use of water on the premises. For any misrepresentation or omission in the statement of work done, or of work to which additions have been made, the plumber may be suspended and fined, and if such error appears to be willful, his license will be revoked.

#### SERVICE PIPES.

RULE 6. The Commissioners will furnish and lay a service pipe from the main pipe to the line of the property to

be supplied, together with a stop to be placed at the curb line or inside of the cellar wall, on condition that the applicant shall thereafter maintain and keep the whole in good order at his own cost, and that the same shall be at all times subject fully to the Commissioners' control. No pipe or fixture shall be connected with the city service pipe, nor shall water be turned on at any time, until a special permit is issued therefor.

#### INSPECTIONS.

RULE 7. The Inspector to the Board must have access to, and be permitted at all times to inspect, all pipes, fixtures, and apparatus supplied with water, and to control the stop-cock in the cellar as the interest of the Works may require.

#### WASTE.

RULE 8. No person supplied with water shall allow the same to run to waste to prevent freezing, or by leak, or shall introduce water into fixtures not named in his application, except on special agreement with the Commissioners and the payment of extra rates therefor such as the Commissioners shall assess.

#### FRAUDULENT USE OF WATER.

RULE 9. An unnecessary use or waste of water, or permitting the same to be used for any purpose not particularly specified in the application, will be deemed a fraudulent use, and will subject the offender to an immediate stoppage of water and a payment of not less than double rates for such quantities as the Inspector shall estimate to have been wasted, or fraudulently used.

## SPECIAL USES.

RULE 10. Water supplied for hydraulic power, or in large quantities for special uses, will be subject to such restrictions as the Commissioners shall impose.

## BUILDERS' REPORT.

RULE 11. Each builder or superintendent of building, using city water shall, on or before the last day of each month, render at the Commissioners' office full and true accounts of all water used by him for building purposes, on jobs completed during said month; and it shall be the duty of each contractor, or owner when work is done by days' work, to pay at the Commissioners' office for water so used on the first day of the next succeeding month.

## WATER RATES PAYABLE.

RULE 12. All water rates (except for building purposes and meter rates), shall be due and payable at the Commissioners' office, quarterly in advance, on the first day of each January, April, July, and October. Meter rates for each month will be due and payable at the Commissioners' office on the first day of the next succeeding month. The amount of each rate remaining unpaid twenty days after due, will be increased five per cent., and one per cent. per month interest will be charged on the original amount thereafter until paid, together with costs of collection.

## DISCOUNT FROM REGULAR RATES.

RULE 13. Not more than twenty-five per cent. discount will be allowed from the regular rates when supplies are taken by special permit from yard fixtures, or without the premises.



## SHUTTING OFF WATER.

RULE 14. The Commissioners reserve the right to shut off water, after giving notice of their intention to do so, for the purpose of making extensions, alterations, or necessary repairs; and they will shut off water, without special notice, from any person who shall disregard the rules for its supply, neglect to pay the rates therefor promptly, or shall permit an unauthorized use of the water. Any person receiving water through a stop in common with another person, will be liable to have his supply shut off in consequence of a violation of the rules by the other person.

## LETTING ON WATER.

RULE 15. When water has been shut off for disregard of rules, non-payment of rates, or other offense, it shall not be turned on again until the Commissioners are satisfied there will be no further cause of complaint, and a sum of three dollars has been paid to them to cover the costs of shutting off and letting on the water, in addition to such fine, not exceeding ten dollars, as the Commissioners may impose.

## STREET WASHERS AND YARD HYDRANTS.

RULE 16. Street washers are to be used only in the morning before eight o'clock, and are not to be made a nuisance to either a neighbor or passer by. Yard hydrants must not be converted into jets. Street washers and yard hydrants are not to be used for wetting any area other than the one defined in the application therefor, and they will be allowed only in connection with premises using water for other purposes.

Private fire plugs are to be used only for fire purposes.

## HYDRANTS AND STOP-COCKS.

RULE 17. No person shall open or use water from any public fire hydrant without permission from proper authority, except in case of fire, or shall obstruct free access thereto, or shall open or disarrange any stop-cock or stop-cock curb, on penalty of twenty dollars.

## INJURY TO WORKS.

RULE 18. No person shall divert water from, or pollute water running to or in the lake, canal, reservoir, or mains, without permission from proper authority, on penalty of fifty dollars.

## GENERAL FINES.

RULE 19. The penalty for disregard or violation of any of the above rules, when not otherwise specified, shall be, in addition to the shutting off and withholding the supply of water, five dollars.

## METER RATES.

RULE 20. The Commissioners reserve the right to put in a water-meter and charge for measured water at meter rates whenever they shall deem such action to be for the best interest of the city. Whenever a consumer shall deem his water rate, as assessed, to be excessive, he may make application to the Commissioners to set a meter for him at his own expense and to supply him at a meter rate, provided however, that in no case where a meter is used by request of the consumer, shall the annual charge be less than eight dollars.

## WATER RATES.

ADOPTED SEPTEMBER 22, 1873.

## ANNUAL DOMESTIC WATER RATES.

Families, not exceeding five persons, for single bibb, . . . . .	\$5 00
Each person exceeding five, . . . . .	75
Each additional bibb, not required for set fixture herein- after enumerated, 20 per cent. additional.	

*There will be additional Charges to each family for set Fixtures,  
as follows:*

Wash Basin, not exceeding five persons, . . . . .	\$2 50
Bath Tub, " " " " . . . . .	2 50
Pan Water Closet, not exceeding five persons, . . . . .	2 50
Hopper Water Closet, not exceeding five persons, . . . . .	2 50
Each person exceeding five using above fixtures, 20 per cent. additional.	
Set Wash Tub, . . . . .	1 00
Urinal, with self-closing valve, . . . . .	1 00
Steam or Hot Water Heating Apparatus, . . . . .	2 00
Duplicate of above fixtures one-half rate each.	
Yard Hydrant, in connection with house supply, ( $\frac{1}{4}$ inch nozzle), per 1000 square feet area, . . . . .	1 00
Street Washer, in connection with house or store, supply ( $\frac{1}{4}$ inch nozzle), per 1000 square feet area, . . . . .	3 00
Private Stable, in connection with house supply, each horse, . . . . .	2 00
Private Stable, use of hose, each horse, . . . . .	1 50
Private Stables, neat cattle, each head, . . . . .	1 00

For team or store horses, twenty-five per cent. discount from the above rates, *provided, however, that the total rates for any stable shall not be less than three and one-half dollars.*

Private Fire Plugs, to be used only in case of fire :

Each 1 inch service and $\frac{3}{8}$ inch nozzle, . . . . .	\$6 00
" 1 $\frac{1}{2}$ " " " $\frac{1}{2}$ " " . . . . .	10 00
" 2 " " " $\frac{3}{4}$ " " . . . . .	15 00
Public Wash Basins, each, . . . . .	5 00
Public Urinals, each, . . . . .	5 00
Public Pan Water Closets, each, . . . . .	6 00

Public Hopper Water Closets, self-acting, each, . . . . .	12 00
Public Baths, each, . . . . .	6 00
Public Drinking Fountains, each, . . . . .	6 00
Public Horse Trough, each, . . . . .	6 00
Public Fire Hydrant, each, . . . . .	60 00
Stores, ordinary uses, not including jets or fountains, 6 00 to 15 00	
Baths, Water Closets, and Urinals, in stores and offices, same as domestic rates.	
Dining Room or Saloon, not including jet or fountain, . . . . .	8 00 to 20 00
Bar Room, . . . . .	8 00 to 12 00
Professional and Agency offices, . . . . .	5 00 to 10 00
Photograph Galleries, . . . . .	8 00 to 15 00
Barber Shops, each chair, . . . . .	3 00
Livery Stables, not exceeding ten horses, . . . . .	15 00
“ “ each additional horse, . . . . .	1 00
“ “ use of hose, each horse, . . . . .	1 00
Other commercial rates to be meter or special rates.	

BUILDERS' WATER RATES.

*The cost of Service Pipe for building purposes will be charged, and must be paid, in advance.*

For each thousand bricks laid, . . . . .	\$0 08
For each cubic yard of stone mortared masonry, . . . . .	03
For plastering each coat, per 100 square yards, . . . . .	15
For other purposes connected with construction, per bbl.,	04

INDUSTRIAL AND MECHANICAL WATER RATES.

To be meter or special rates.

ANNUAL METER RATES.

For a continuous supply:

Averaging less than 15 cubic feet per day, per 100 cubic feet	\$0 40
“ 15 to 25 cubic feet, . . . . .	30
“ 25 to 50 . . . . .	20
“ 50 to 100 . . . . .	15
“ 100 or more, . . . . .	10

*Provided no meter rate shall be less than \$8.00 per annum.*

For hydraulic power, special or meter rate.

Rates not specified above, to be meter or special rate.

## REPORT OF OVERSEERS OF THE POOR.

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TO THE MAYOR, ALDERMEN, AND COMMON COUNCIL OF THE  
CITY OF MANCHESTER :

In compliance with the ordinance of said city, the Overseers of the Poor herewith present their Annual Report.

The whole number of families which have received more or less assistance during the past year, is twenty-six, consisting of seventy-two persons, of which number twenty-three families and sixty-three persons have a settlement in this city, and the remaining three families and nine persons in other towns in the State. Two persons receiving assistance have died, one of whom belonged to the city.

The whole number of persons at the Almshouse during the year is eleven ; average number for the year, four and two-thirds.

All of which is respectfully submitted.

JOHN P. NEWELL,

*Chairman ex-officio.*

M. E. GEORGE,

*Clerk.*

S. S. MOULTON,

S. J. YOUNG,

JEREMIAH STICKNEY,

P. A. DEVINE,

JEREMIAH ABBOTT,

A. S. CLAPP,

G. S. CHANDLER,

*Overseers of the Poor.*



## REPORT OF J. S. COMMITTEE ON CITY FARM.

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<i>City of Manchester in account with City Farm.</i>	DR.
To stock on hand Dec. 28, 1872, . . . . .	\$5,571 01
Expenditures during 1873, . . . . .	3,708 44
Interest on farm, . . . . .	1,000 00
	\$10,279 45

	CR.
By Stock on hand Dec. 24, 1873, . . . . .	\$6,038 34
Produce sold, . . . . .	2,151 27
243 weeks' board for paupers and 1,046 weeks' board for prisoners at an average cost per week of \$3.17 1-3, . . . . .	4,089 84
	\$10,279 45

Average number of paupers in 1872, . . . . .	9 1-2
Average number of paupers in 1873, . . . . .	4 2-3
Average number of prisoners in 1872, . . . . .	8
Average number of prisoners in 1873, . . . . .	20 1-8

J. P. NEWELL,  
 ISRAEL W. DICKEY,  
 JAMES L. SWEET,  
 PATRICK CULLITY,  
*J. S. Committee on City Farm.*





TWENTIETH ANNUAL REPORT  
OF THE  
TRUSTEES OF THE CITY LIBRARY.

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*To the City Councils of the City of Manchester :*

The Trustees of the City Library herewith submit their Twentieth Annual Report relating to the City Library, and with it the report made to them by the Treasurer of the Board, of the expenditures for the purchase of books and periodicals, and by the Librarian, showing the condition of the Library at the close of the year.

So far as the Board are aware, the operations of the Library have been conducted to the satisfaction of the public, and no unusual circumstance has occurred in connection with the administration of its affairs.

Soon after the water-works, now in process of construction by the city, had been so far completed that a supply of water was obtained from the reservoir of the Amoskeag Manufacturing Company, the Committee on Lands and Buildings of the City Council caused the necessary water fixtures to be placed in the Library Building, and an abundant supply has since that time been furnished for all purposes that are required at the Library.

When the Library Building was constructed, the ceiling of the basement story was not finished, and it was found by experience that the dry air from the furnaces used for heating the building, had caused the floor to shrink to an

extent sufficient to make, in places, openings through the floor to the basement, through which the dust from the furnaces and from the coal stored there, passed to the Library room, causing inconvenience to the librarian, as well as injury to the books. This defect has been remedied by direction of the Committee on Lands and Buildings, by causing the ceiling of the basement to be lathed and thoroughly plastered.

This change will add materially to the comfort of the persons frequenting the Library room, and also prevent to a great extent the accumulation of dust on the shelves and on the books.

Attention was called in a former report to the heating apparatus in the Library, and the opinion was expressed that from defects of construction in the furnaces, the amount of heat obtained was disproportionate to the quantity of fuel consumed. At that time some changes had been recently made which it was hoped would cause a better result. This anticipation has been but partially realized.

The heating apparatus now in use was put in by direction of the Committee of the City Council, who had charge of the construction of the building, and the Trustees have not felt that they were authorized to cause other heating apparatus to be substituted, even if there had been an appropriation available for such purpose, and they would therefore recommend that the Committee on Lands and Buildings, or some other Committee of the City Council, be authorized to make an examination and see if some more economical mode of heating may not be introduced, and a reduction made in the amount of fuel now required.

The Trustees have deemed it proper that the books to be purchased with the income derived from the funds given the city by the late Dr. Dean, should be placed in an alcove by themselves, and the income of that fund has therefore been allowed to accumulate during the year, so that pur-

chases made with it may be made to better advantage than when made in small sums.

A larger appropriation than usual was made by the City Council early in the year, to meet the expense of having a new catalogue prepared, in accordance with the recommendation of the Board in their report for 1872. The amount thus appropriated has not been expended, for the reason that the Trustees experienced considerable difficulty in procuring the services of a suitable person to undertake the preparation of the catalogue for the printer. Partial arrangements have been made for that purpose, and it is expected that during the year the manuscript may be prepared and the catalogue printed for distribution by the close of the year.

In order that the Trustees may be able to accomplish this result, an increase of the appropriation will be required to meet the expense of preparation and printing.

The report of the librarian shows that the circulation has been quite equal to that of former years—the number of volumes taken out being being thirty-five thousand one hundred and eighty during the two hundred and sixty-eight days that the Library has been open for the delivery of books. Of this number twelve are not returned or otherwise accounted for at the end of the year.

His report shows that at the beginning of the year the Library contained seventeen thousand and sixty-three books and pamphlets.

Five hundred sixty-nine books and forty pamphlets have been added during the year, three hundred and five of which have been purchased. One hundred eighty-eight books and forty pamphlets have been presented, and seventy-six volumes of periodicals bound.

A list of such donations is appended to the Librarian's report, and to the donors the thanks of the city are due.

Sixty different periodicals have been received regularly

during the year, and when the volumes were completed they have been bound and placed on the shelves.

The total number of volumes and pamphlets now in the Library, is seventeen thousand six hundred seventy-one.

There has been expended during the year for books, six hundred and sixty-one dollars and ninety-one cents, and for periodicals, one hundred seventy-nine dollars and twenty cents.

There is an unexpended balance of the appropriation made for the purchase of books and periodicals of twelve hundred sixty-two dollars, four cents, and also the income of the "Dean fund," now amounting to three hundred six dollars, which may be applied for the increase of the Library, the larger part of which will be expended before the appropriation for the next year will be available.

It has been the custom for several years for the trustees to present with the Librarian's report, a list of the titles of the books and pamphlets added to the Library during the year, which was printed with their report in the Annual Report of the city, but for two or three years past, this portion of their report has been omitted from the printed report. The trustees recommend that the list of additions should be printed with the other reports of the city, as thereby the public will have the means of knowing what additions have been made at a much earlier date than to wait the preparation and printing of a classified catalogue, and the value of the Library to our citizens will be much increased.

The expenditures for the incidental expenses have been two thousand twenty-three dollars, forty-seven cents.

The items of these expenditures will appear in the financial report of the city, and a brief summary of the same is appended to the report of the Treasurer of the Board.

An appropriation of an amount equal to that made in former years, with such addition as the City Council may deem it proper to make for the preparation and printing a

catalogue will, under ordinary circumstances, be sufficient to meet the expenditures required for the Library for the ensuing year.

In Board of Trustees, January 3, 1874.

Read and approved, and ordered to be presented to the City Council.

JOHN P. NEWELL,

*Mayor, and President ex-officio.*

ISAAC W. SMITH, *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 by them on account of the City Library.

1873.		DR.
Jan.	1. To balance as per last report, . . .	\$1,103 15
July	1. To income of "Dean Donation," . . .	306 00
Nov.	1. To appropriation for 1873, undrawn, . . .	1,000 00
		\$2,409 15

1873.		CR.
Jan.	11. P'd N. E. News Co., periodicals . . .	\$12 72
Jan.	20. N. E. News Co., periodicals . . .	4 00
Feb.	3. N. E. News Co., periodicals . . .	15 00
March	4. N. E. News Co., periodicals . . .	14 06
March	4. Lee & Shepard, books . . .	22 83
March	8. Sampson, Davenport & Co., books . . . . .	6 00
April	7. N. E. News Co., periodicals . . .	15 20
April	7. Sampson, Davenport & Co., books . . . . .	2 00

May	5.	N. E. News Co., periodicals	.	15	91
June	10.	N. E. News Co., periodicals	.	17	94
July	11.	N. E. News Co., periodicals	.	10	91
July	11.	H. B. Dawson, periodicals	.	5	00
August	4.	N. E. News Co., periodicals	.	13	11
Sept.	8.	N. E. News Co., periodicals	.	14	95
Sept.	16.	Lee & Shepard, books	.	3	34
Oct.	6.	N. E. News Co., periodicals	.	11	26
Nov.	3.	N. E. News Co., periodicals	.	14	17
Nov.	4.	Lee & Shepard, books	.	175	81
	4.	Daniel Clark, books	.	15	50
	14.	Lee & Shepard, books	.	83	41
Dec.	9.	N. E. News Co., periodicals	.	14	97
	9.	Lee & Shepard, books	.	260	11
	15.	Lee & Shepard, books	.	92	91
	31.	By Balance	.	1,568	04
					<hr/>
					\$2,409 15

## INCIDENTAL EXPENSES.

Librarian's salary	.	.	.	.	.	\$800 00
Incidentals	.	.	.	.	.	46 45
Gas	.	.	.	.	.	198 18
Printing	.	.	.	.	.	48 95
Fuel	.	.	.	.	.	609 63
Binding	.	.	.	.	.	199 69
Insurance	.	.	.	.	.	32 50
Newspapers	.	.	.	.	.	77 00
Water rates	.	.	.	.	.	11 07
						<hr/>
						\$2,023 47
Balance	.	.	.	.	.	822 36
						<hr/>
						\$2,845 83

## RECAPITULATION.

Appropriation, . . . . .	\$3,845 83
Paid Trustees, . . . . .	\$1,000
Incidental expenses, . . . . .	2,023 47
Balance, . . . . .	822 36
	<hr/>
	\$3,845 82

Respectfully submitted,

S. N. BELL,  
*Treasurer of Trustees of City Library.*

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

WM. P. NEWELL,  
JOHN P. NEWELL,  
*Committee of Accounts of City Library.*

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

JOSEPH E. BENNETT,  
*City Auditor.*

January 2, 1874.

## LIBRARIAN'S REPORT.

*Gentlemen of the Board of Trustees :*

The following is a statement of the practical workings of the Library for the year 1873, also of its present condition, and is respectfully submitted.

The past year has been one of about an average as re-

gards the usual statistics. The donations have not been large, but may be considered quite as valuable as for several years past, with the exception of last year, when the donation from Mr. Brewer was received.

Mr. B. P. Cilley has presented to the Library complete files of the New York Daily *Herald* for four and one-half years from April, 1861, or during our late civil war. As yet, these have not been bound. Hon. George W. Morrison has presented files of the New Hampshire *Patriot*, from 1813-70, a period of fifty-eight years. A portion of these are in bound volumes. The circulation of books is but little more than for 1872.

The total number of volumes at present belonging to the Library, is seventeen thousand six hundred and seventy-one. There are included in this number, eight hundred and eighty-seven pamphlets and sixteen maps, those remaining being bound volumes.

The increase has been six hundred and nine volumes. Of these, seventy-six are periodicals which have been bound and placed on the shelves, two hundred and twenty-eight are donations, forty being pamphlets, and three hundred and five have been purchased. A list of the donations will be found appended to this report.

Seventeen volumes have been withdrawn from circulation. Eleven of these, together with forty others previously withdrawn, have been replaced by new copies, making fifty-one during the year. There are at present one hundred and eighty-five volumes which cannot probably be replaced, by reason of being out of print. The number bought for this purpose since January 1870, is three hundred and seventy-five.

The number of periodicals regularly received the past year is sixty. Two are dailies, sixteen are weeklies, thirty-three are monthlies, and nine are quarterlies. Five of the weeklies and three of the monthlies are donations. Mrs.



W. A. Cochrane of this city has furnished the "New York (weekly) Tablet" since June 1st, and it will probably be continued. The "London Mechanic's Magazine" has not been received since December, 1872. "Proceedings of the Academy of Natural Sciences," of Philadelphia, has not been received for the past three years. The "Student and School-mate," published in Boston, has been discontinued, and not received since October, 1872. The "Young Folks," formerly published by Messrs. James R. Osgood & Co., has been merged in "St. Nicholas," and published by Messrs. Scribner & Co., New York. The "Old and New" has not been received since January, 1873.

The Library has been opened to the public two hundred and sixty-eight days. The circulation during this time has been thirty-five thousand one hundred and eighty, a daily average of one hundred and twenty-three. Those missing at last report have been returned with the exception of one. The number unaccounted for at present is four. Average number in constant circulation, fifteen hundred, requiring nearly one thousand cards. Total number of names now on the books, three thousand.

The whole number of guarantees received is eight thousand seven hundred and sixty-three. Number received since last report, five hundred and fifty-three, an average of fifty per month. Thirteen persons have borrowed books on deposit.

The amount of fines on hand January 1, 1873, was one hundred and five dollars, sixty-nine cents. Amount received during the year, sixty-seven dollars, fifty-six cents. Amount paid for stationery, postage, express charges, and other incidentals, twenty-four dollars, forty-nine cents; leaving a balance on hand of one hundred and forty-eight dollars, seventy-six cents.

CHAS. H. MARSHALL, *Librarian.*

## DONATIONS TO THE LIBRARY IN 1873.

- By HON. J. W. PATTERSON, Hanover.  
 Report on Commerce and Navigation. 1871-72. 8 vo.  
 Report of Commissioner on Prevention and Repression  
 of Crime in the International Congress. London. 1871.  
 8vo.  
 Commercial Relations of the United States. 1871. 8vo.  
 Geological Survey of Montana and adjacent Territories.  
 1872. 8vo.  
 Statistics of the population of United States; Ninth Cen-  
 sus. 1870. 4to.
- By HON. A. H. CRAGIN, Lebanon.  
 Report on Commerce and Navigation. 1871-72. 8vo.
- By PROF. BENJAMIN PIERCE, Washington.  
 Report Superintendent U. S. Coast Survey. 1860. 4to.
- By PROF. JOSEPH HENRY, Washington.  
 Smithsonian Contributions to Knowledge. Vol. 18.  
 1872. 4to.
- By JOHN EATON, Esq., Washington.  
 Report Commissioner of Education. 1871. 8vo.
- By THOMAS K. CREE, Esq., Washington.  
 Report Board of Indian Commissioners. 1872. 8vo.
- By HON. SAML. N. BELL, Manchester.  
 Constitution of the United States, with Amendments, in-  
 cluding Barclay's Digest. 1871. 8vo.  
 Memorial Address on the Life and Character of Gerrett  
 Davis. 1873. 8vo.  
 Medical and Surgical History of the War of the Rebellion.  
 2 vols. 1870. 4to.  
 Message and Documents of U. S. Congress, 2d Session.  
 42d Congress. 1872. 8vo.  
 Treaties and Conventions between United States and  
 other Powers, since July 4, 1776. 1873. 8vo.  
 Report Commissioners of Agriculture. 1871. 8vo.

Geological Survey of Montana and adjacent Territories.  
1872. 8vo.

Report Commissioners of Education. 1881. 8vo.

Report Commissioner of Patents. 1869. 3 vols. 8vo.

Report Joint Select Committee to enquire into Condition  
of Affairs in the late Insurrectionary States. 13 vols.  
1872. 8vo.

Report Select Committee to Investigate Alleged Credit  
Mobilier Bribery. 1873. 8vo.

Surveys for Ship-Canal between Atlantic and Pacific  
Oceans. 1872. 4to.

Statistics of Population of United States; Ninth Census.  
1870. 4to.

Compendium to the Ninth Census. 1870. 8vo.

Report on Union Pacific R. R. Company. 1872. 8vo.

Report Secretary of the Treasury. 1872. 8vo.

Report International Penitentiary Congress. London.  
July 1, 1872. 8vo.

Acts and Resolutions passed at the 3d Session 42d Con-  
gress. 1872-73. 8vo.

Congressional Globe, 2d Session 42d Congress 1872-73.  
7 vols. 4to.

Congressional Record; Special Session. March, 1873.  
4to.

By WILLIAM AMORY, Esq., Boston.

Mass. Historical Collections, 1st series. Vols. 1, 4-10.  
8 vols.

Mass. Historical Collections, 2d series. Vols. 1, 6-10.  
7 vols.

Mass. Historical Collections, 3d series. Vols. 1, 3-8.  
7 vols.

Mass. Historical Collections, 4th series. Vols. 1, 2-10.  
9 vols.

Mass. Historical Collections, 5th series. Vol. 1.

Proceedings Mass. Historical Society. 1855-73. 10  
vols.

By JAMES O. ADAMS, Esq., Manchester.

Reports N. H. Board of Agriculture. 1871-72. 2 vols.  
8vo.

Reports Maine Board of Agriculture. 1871. 8vo.

By GEO. R. VANCE, Esq., Manchester.

Laws of the United States. 1796. 8vo.

By CHAS. E. FITZ, Manchester.

Algebra. Todhunter. 1866. 12mo.

By THE TRUSTEES.

Catalogue of the Library, Exeter, N. H.

Catalogue of the Library, Lawrence, Mass.

By ADVENTISTS' TRACT SOCIETY.

The United States in the Light of Prophecy. 1872.  
16mo.

By THE ORDER.

Constitution and By-Laws of Mt. Washington Encampment, No. 16, I. O. O. F. 1861. 16mo.

By THE BOARD.

Report Comr. Board of Agriculture. 1871-72. 8vo.

By THE TRUSTEES.

Historical Sketch of Memorial Hall, Andover, Mass.  
1873. Pamph.

Dedicatory Address delivered by Rev. Phillips Brooks at  
the dedication of Memorial Hall, Andover, Mass., May  
30, 1873. Pamph.

Report of the Holton Library, Brighton, Mass. 1872.  
Pamph.

Report of the Public Library of Reading, Mass. 1872.  
Pamph.

Report of the Public Library of Brookline, Mass. 1872.  
Pamph.

Report of the Peabody Institute, Baltimore, Md. 1872.  
Pamph.

Report of the Public Library of Taunton, Mass. 1872.  
Pamph.

Report of the Public Library of Charlestown, Mass.  
1872. Pamph.

Report of the Public Library of Fall River, Mass. 1872.  
2 pamph.

Report of Public Library New Bedford, Mass. 1872.  
Pamph.

Report of Public Library of Manchester. 1872. Pamph.

Bulletins of Public Library of Boston, Nos. 24-27. 1873.  
4 pamph.

Report of Public Library of Waltham, Mass. 1872.  
Pamph.

Bulletin No. 2 of the Holton Library, Brighton. 1872.  
12mo.

Catalogue of Public Library of Medford, Mass. 1872.  
2 pamph.

By THE COMMITTEE.

Catalogue of the Public School Library of St. Louis, Mo.  
1872. Pamph.

Report of Public Schools of St. Louis, Mo. 1871-72.  
Pamph.

Catalogue of the Free Libraries of Manchester, Eng.  
1864. 8vo.

Catalogues of the Branch Libraries of Manchester, Eng.  
1872-73. 6 pamph.

Report Hartford Young Men's Institute. 1871-72, and  
1872-73. 2 pamph.

Reports of the Public Libraries of Manchester, Eng.  
1871-72, and 1872-73. 2 pamph.

By THE BOARD OF DIRECTORS.

Report of the Mercantile Library Association, New York,  
1872. Pamph.

Report of Public Library of Newburyport, Mass. 1872.  
Pamph.

Report of the Public Library of Cincinnati, O. 1872-72.  
Pamph.

- Report of the Public Library of Chicago, Ill. 1872-73.  
Pamph.
- Report of Public Library of Worcester, Mass. 1872.  
Pamph.
- Report of the Athenæum, Providence, R. I. 1872-73.  
Pamph.

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ACCESSIONS TO THE LIBRARY FOR THE YEAR  
1873.

Gen. No.		No. Sheli.
17,063	The Galaxy. Vol. 14, 2, 1872. 8vo. . . .	68 176
17,064	Scribner's Monthly. Vol. 4, 2, 1872. 8vo. . .	59 193
17,065	Atlantic Monthly. Vol. 30, 2, 1872. 8vo. . .	54 186
17,066	Harper's Magazine. Vol. 45, 2, 1872. 8vo. . .	56 153
17,067	Old and New. Vol. 6, 2, 1872. 8vo. . . .	73 174
17,068	Leisure Hour. 1872. 8vo. . . . .	55 171
17,069	Good Words. 1872. 8vo. . . . .	28 162
17,070	Littell's Living Age. Vol. 114, 3, 1872. 8vo. .	84 165
17,071	Littell's Living Age. Vol. 115, 4, 1872. 8vo. .	85 165
17,072	Blackwood's Magazine. Vol. 112, 2, 1872. 8vo. . . . .	58 175
17,073	Temple Bar. Vol. 36, 3, 1872. 8vo. . . .	59 197
17,074	Coruhill Magazine. Vol. 26, 2, 1872. 8vo. . .	26 85
17,075	Our Young Folks. Vol. 8, 1872. 8vo. . . .	50 166
17,076	Our Boys and Girls. 1872. 8vo. . . . .	48 167
17,077	Arthur's Home Magazine. Vol. 40, 2, 1872, 8vo. . . . .	62 194
17,078	Leslie's Magazine. Vol. 31, 1872. 4to. . . .	40 161
17,079	Punch. Vol. 63, 2, 1872. 4to. . . . .	33 82
17,080	Religious Magazine and Review. Vol. 48, 2, 1872. 8vo. . . . .	57 185
17,081	Historical Magazine. Vol. 8, 2d series, 2, 1870. 8vo. . . . .	52 244
17,082	Historical Magazine. Vol. 9, 2d series, 1871, 8vo. . . . .	53 244
17,083	N. E. Hist. and Genal. Register. Vol. 26, 1872. 8vo. . . . .	33 265

17,084	Westminster Review. Vol. 97, 1, 1872. Svo. .	72 171
17,085	Westminster Review. Vol. 98, 2, 1872. Svo.	73 171
17,086	London Quarterly Review. Vol. 132, 1, 1872, Svo. . . . .	78 172
17,087	London Quarterly Review. Vol. 133, 2, 1872, Svo. . . . .	79 172
17,088	British Quarterly Review. Vol. 56, 2, 1872. Svo. . . . .	58 182
17,089	Edinburgh Review. Vol. 135, 1, 1872. Svo.	67 182
17,090	Edinburgh Review. Vol. 136, 2, 1872. Svo.	68 182
17,091	Journal of Franklin Institute. Vol. 94, 2, 1872. Svo. . . . .	59 166
17,092	Popular Science Review. Vol. 11, 1872. Svo.	45 164
17,093	Journal of Science Arts. Vol. 104, 2, 1872. Svo. . . . .	54 176
17,094	Van Nostrand's Magazine. Vol. 7, 2, 1872, Svo. . . . .	47 162
17,095	Industrial Monthly. Vol. 1, 1872. 4to. .	63 201
17,096	Commercial and Financial Chronicle. Vol. 25, 2, 1872. 4to. . . . .	20 311
17,097	Art Journal. Vol. 11, 1872. 4to. . . . .	17 A
17,098	Proceedings Boston Society Nat. History. Vol. 14, 1870-71. Svo. . . . .	34 264
17,099	American Naturalist. Vol. 6, 1872. Svo. .	67 187
17,100	London Lancet. 1872. Svo. . . . .	45 171
17,101	Eclectic Magazine. Vol. 63, 2, 1872. Svo. .	63 183
17,102	Peterson's Magazine. Vol. 62, 2, 1872. Svo.	44 194
17,103	Maid of Sker. Blackmore. Svo. . . . .	86 84
17,104	Hope Deferred. Pollard. Svo. . . . .	87 84
17,105	Ombra. Oliphant. Svo. . . . .	88 84
17,106	Lady Judith. McCarthy. Svo. . . . .	87 83
17,107	Ought We to Visit Her. Edwards. Svo. .	75 133
17,108-9	Middlemarch. "Eliot." 2 vols. 12mo. .	51 135
17,110	Vicar's Daughter. McDonald. 16mo. .	79 134
17,111	Morning-Glories and other stories. Alcott. 16mo. . . . .	63 108
17,112	Only Girls. Townsend. 16mo. . . . .	64 108
17,113	Poet at the Breakfast Table. O. W. Holmes.	50 138
17,144	Life of Charles Dickens. Vol. 2. Forster. 12mo. . . . .	42 306
17,115	Cross and Crescent. "Optic." 16mo. . .	76 179

17,116	How Crops Grow. Johnson. 16mo. . . .	85	227
17,117	Oriental Religion. Johnson. 8mo. . . .	27	22
17,118	Earth and Sea. Figuier. 8vo. . . . .	43	223
17,119	N. E. Business Directory, 1873. 8vo. . . .	29	74
17,120	Manchester Daily Union. Vols. 9-10, 2, 1872. Folio. . . . .	49	J
17,121	Barclay's Digest. 1871. 8vo. . . . .	27	7
17,122-3	Report N. H. Board of Agriculture, 1871-72, 2 vols. . . . .	10	319
17,124	Report Maine Board of Agriculture. 1871. 8vo. . . . .	51	317
17,125	Algebra. Todhunter. 16mo. . . . .	18	359
17,126	Catalogue of Exeter Public Library, 1871. 8vo. . . . .	31	313
17,127	U. S. in the Light of Prophecy. 16mo. . . .	62	39
17,128	Constitution and By-Laws of Mt. Washing- ton Encampment, No. 16, I. O. O. F. Man- chester. 24mo. . . . .	30	320
17,129	Manchester Directory, 1873. 8vo. . . . .	88	20
17,130	Report Conn. Board of Agriculture. 1871-2 .	52	317
17,131	Memorial Addresses of the Life and Char- acter of Hon. Garrett Davis. 8vo. . . . .	31	272
17,132-3	Medical and Surgical History of the War of the Rebellion. 2 vols. 8vo. . . . .	29	241
17,134	Message of the President, and Reports of the several Departments, 3d Sess. 42d Cong. 1872. 8vo. . . . .	56	364
17,135-8	Case of Great Britain before the Tribunal of Arbitration at Geneva. 4 vols. 1871. 8vo.	57	364
17,139	Treaties and Conventions between United States and other Powers. 8vo. . . . .	61	364
17,140	Report Commissioner of Agriculture. 1871. 8vo. . . . .	39	365
17,141	Commercial Relations of U. S. 1870-71. 8vo.	30	365
17,142	Commerce and Navigation of U. S. 1870-71. 8vo. . . . .	48	365
17,143-4	Geological Survey of Montana and adjacent Territories. 1871. 8vo. 2 copies. . . . .	52	367
17,145-6	Report Commissioner of Education. 1871. 8vo. 2 copies. . . . .	10	369
17,147	Report Board of Indian Commissioners. 1872. 8vo. . . . .	4	370



17,148	Report Commissioners to represent the U. S. in the International Congress, on the Prevention and Repression of Crime. 1871. 8vo. . . . .	14 370
17,149-51	Report Commissioner of Patents. 1869. . . . .	48 366
17,152-64	Report Committee on Affairs in the late Insurrectionary States. 1872. 13 vols. 8vo. . . . .	56 369
17,165	Reports of Surveys on Ship-Canal between Atlantic and Pacific Oceans by way of the Isthmus of Tehuantepec. 8vo. . . . .	23 332
17,166	Report Superintendent Coast Survey, 1869. 4to. . . . .	36 321
17,167-9	Statistics of Population U. S. 1870. 3 vols. 4to. . . . .	30 333
17,170-2	Statistics of Population U. S. 1870. 3 vols. . . . .	
17,173	Compendium of the Ninth Census. 1870. 4to. . . . .	62 364
17,174	Report Committee on Credit Mobilier Bribery. 1873. 8vo. . . . .	69 369
17,175	Report on Commerce and Navigation of the U. S. 1871-72. 8vo. . . . .	48 365
17,176	Index to Executive Documents, 2d Session 40th Congress. 1867-8. 8vo. Vol. 2. . . . .	31 377
17,177-82	Reports of Commissioners to the Paris Universal Exposition. 1867. 6 vols. 8vo. . . . .	32 377
17,183	Report on Treatment of Prisoners of War by Rebel authorities. 8vo. . . . .	41 377
17,184	Miscellaneous Documents of House of Representatives. 1st Session 41st Congress. 1869. 8vo. . . . .	42 377
17,185	Laws passed at the 3d Session 40th Congress. 1869. 8vo. . . . .	43 377
17,186-90	Report on Alabama Claims. 5 vols. 8vo. . . . .	44 377
17,191	Reports of Committees of House of Representatives. 1st Session 41st Congress. 1869. 8vo. . . . .	49 377
17,192	Index to Executive Documents of House of Representatives. 1st Session 41st Congress. 1869. 8vo. . . . .	50 377
17,193	Index to Executive Documents of the Senate. 1st Session 41st Congress. 1869. 8vo. . . . .	51 377

17,194	Journal of the Senate. 1st Session 41st Congress. 1869. 8vo. . . . .	52 377
17,195	Journal of the House of Representatives. 1st Session 41st Congress. 1869. 8vo. . . .	57 377
17,196-8	Index to Executive Documents of the Senate. 2d Session 41st Congress. 3 vols. 8vo.	54 377
17,199-202	Index to Miscellaneous Documents of House of Representatives. 2d Session 41st Congress. 1869-70. 8vo. 4 vols. . . . .	57 377
17,203-14	Executive Documents of the House of Representatives. 2d Session 41st Congress. 1869-70. 12 vols. 8vo. . . . .	1 378
17,215	Journal of the Senate. 2d Session 41st Congress. 1869-70. 8vo. . . . .	13 378
47,216	Journal of House of Representatives. 2d Session 41st Congress. 1869-70. 8vo. . . .	14-378
17,217-28	Executive Documents of the House of Representatives. 3d Session 41st Congress. 1870-71. 12 vols. 8vo. . . . .	15 378
17,229	Report Commissioners of Agriculture. 1870. 8vo. . . . .	27 378
17,230	Journal of the Senate. 3d Session 41st Congress. 1870-71. 8vo. . . . .	28 378
12,231	Journal of House of Representatives. 3d Session, 41st Congress. 1870-71. 8vo. . . .	29 378
17,232	Executive Documents of the Senate. 3d Session 41st Congress. 1870-71. 8vo. . . .	31 378
17,234	Index to Miscellaneous Documents of the Senate. 3d Session 41st Congress. 1870-71. 8vo. . . . .	32 378
17,235	Reports of Committees of House of Representatives. 3d Session 41st Congress. 1870. 8vo. . . . .	33 378
17,236-7	Miscellaneous Documents of House of Representatives. 3d Session 41st Congress. 1870-71. 8vo. 2 vols. . . . .	34 378
18,238	Reports Committees of the Senate. 2d Session 41st Congress. 1869-70. 8vo. . . .	36 378
17,239	Miscellaneous Documents of the Senate. 2d Session 41st Congress. 1869-70. 8vo. . . .	38 378
17,240	Testimony of Committee of Elections in Louisiana. 1870. 8vo. . . . .	39 378

17,241	Report Commissioner of Agriculture. 1869. 8vo. . . . .	40 378
17,242	Report on Commerce and Navigation. 1868-9.	
17,243-5	Reports of Committees of the House of Rep- resentatives. 2d Session 41st Congress. 1869-70. 8vo. . . . .	42 378
17,246-9	Report Commissioner of Patents. 1868. 4 vols. 8vo. . . . .	30 375
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17,600-4	Geological Survey of Illinois. Worthen. 1866. 5 Vols. 4to. . . . .	28 211
17,605-9	American Entomology. Packard. 1868-72-5. 8vo. . . . .	33 335
17,610	Art. Long. 1871. 12mo. . . . .	60 208
17,611	Ornamental Art. Martel. 1857. 16mo. . . . .	91 209

17,612	Elements of Perspective. Perley. 1872. 16mo. . . . .	92 209
17,613	Principles of Colouring in Painting. Martel. 1869. 16mo. . . . .	93 209
17,614	Artistic Anatomy of Cattle and Sheep. Hawkins. 1869. 16mo. . . . .	94 209
17,615	Artistic Anatomy of the Horse. Hawkins. 1866. 16mo. . . . .	95 209
17,616	Artistic Anatomy of the Human Figure. Warren. 1873. 16mo. . . . .	96 209
17,617	Drawing Models. Harding. 1867. 16mo. .	97 209
17,618	Portrait Painting. Murray. 1872. 16mo. .	98 209
17,619	Portrait Painting in Water Colours. Merri- field. 1868. 16mo. . . . .	99 209
17,620	Landscape Painting in Water Colours. Row- botham. 1872. 16mo. . . . .	100 209
17,621	Sketching in Water Colours from Nature. Hatton. 1867. 16mo. . . . .	101 209
17,622	Marine Painting in Oil Colours. Carmichael. 1873. 16mo. . . . .	102 209
17,623	Marine Painting in Water Colours. Car- michael. 1871. 16mo. . . . .	103 209
17,624	Flower Painting. Duffield. 1869. 16mo. .	104 209
17,625	Mural Decoration. Goodwin. 1866. 16mo.	105 209
17,626	Transparent Painting. Groom. 1870. 16mo.	106 209
17,627	Transparency Painting on Linen. Williams. 1856. 16mo. . . . .	107 209
17,628	Illumination on Paper and Vellum. Loring. 1869. 16mo. . . . .	108 209
17,629	A Companion of Illumination. Loring. 1871. 16mo. . . . .	109 209
17,630	Preservation of Pictures. Mogford. 1872. 16mo. . . . .	110 209
17,631	Wood Engraving. Gilks. 1871. 17mo. .	111 209
17,632	An Address delivered May 30, 1873, at the dedication of Memorial Hall, Andover, Mass., by Rev. Phillips Brooks. Andover, Mass., 1873. Pamph. . . . .	12-1 387
17,633	Sketch of the Memorial Hall, Andover, Mass. 1873. Pamph. . . . .	11-1 387

17,634	Thirteenth Annual Report of the Directors of the Free Public Library, Worcester, Mass., for the year 1873. Worcester, 1873. Pamph. . . . .	2-5 387
17,635	Annual Report of the Directors of the Providence Athenæum. 1872-3. Pamph. . . . .	4-4 387
17,636	Annual Report Trustees, Brighton, Mass., Holton Library. 1872-3. Pamph. . . . .	2-6 377
17,637	Annual Report Directors Chicago Public Library. 1872-73. Pamph. . . . .	1-7 387
17,638	Annual Report Reading, Mass., Public Library. 1872-73. . . . .	1-9 387
17,639	Annual Report Trustees Brookline Public Library. 1872-73. Pamph. . . . .	12-7 387
17,640	Annual Report Hartford Young Men's Institute. 1871-72. Pamph. . . . .	2-1 388
17,641	Annual Report Hartford Young Men's Institute. 1872-73. Pamph. . . . .	3-1 388
17,642	Annual Report Trustees Peabody Institute. 1872-73. Pamph. . . . .	4-1 388
17,643	Annual Report Trustees Taunton Public Library. 1872. Pamph. . . . .	23-33 351
17,644	Annual Report Trustees Charlestown Public Library. 1872-73. Pamph. . . . .	4-34 351
17,645	Annual Report Trustees Fall River Public Library. 1871-72. Pamph. . . . .	12-37 361
17,646	Annual Report Trustees Fall River Public Library. 1872-73. Pamph. . . . .	13-37 351
17,647	Annual Report Public Library Cincinnati. 1872-73. Pamph. . . . .	6-38 351
17,648	Annual Report Mercantile Library Association New York. 1872-73. Pamph. . . . .	12-39 351
17,649	Annual Report Public Library Newburyport. 1872. Pamph. . . . .	17-54 351
17,650	Annual Report Trustees Free Public Library New Bedford. 1872-73. Pamph. . . . .	22-55 351
17,651	Annual Report Trustees Manchester City Library. 1872-73. Pamph. . . . .	8-36 351
17,652	Annual Report Trustees Boston Public Library. 1872-73. Pamph. . . . .	5-45 351
17,653	Bulletin Boston Public Library, No. 24. 1872-73. Pamph. . . . .	10-69 351

17,654	Bulletin Boston Public Library, No. 25. 1873. Pamph. . . . .	11-69	351
17,655	Bulletin Boston Public Library, No. 26. 1873. Pamph. . . . .	12-69	351
17,656	Bulletin Boston Public Library, No. 27. 1873. Pamph. . . . .	13-69	351
17,657	Annual Report Waltham, 1872-73. Pamph.	9-35	351
17,658	Bulletin Holton Public Library, Brighton, No. 2. 1873. Pamph. . . . .	33	313
17,659	Catalogue Manchester (England) Free Li- brary. 1864. Svo. . . . .	32	213
17,660	Index Catalogue Manchester (Eng.) Free Public Libraries. 1870. Pamph. . . .	1-72	351
17,661	Index Catalogue Manchester (Eng). 1867. Pamph. . . . .	2-72	351
17,662	Index Catalogue Rochdale Branch. 1872. Pamph. . . . .	3-72	351
17,663	Index Catalogue Choolton and Ardnick Branch. 1872. Pamph. . . . .	4-72	351
17,664	Index Catalogue Ancoates Branch. 1872. Pamph. . . . .	5-72	351
17,665	Index Catalogue Cheetham Branch. 1873. Pamph. . . . .	6-72	351
17,666	Annual Report Manchester (Eng.) Free Pub- lic Libraries. 1871-72. Pamph. . . .	1-73	351
17,667	Annual Report Manchester (Eng.) Free Pub- lic Libraries. 1872-73. Pamph. . . .	2-73	351
17,668	Catalogue Medford Public Library. 1871-72. Pamph. . . . .	1-74	351
17,669	Supplement Catalogue Medford Public Li- brary. 1873. Pamph. . . . .	2-74	351
17,670	Catalogue Public School Library St. Louis, Mo. 1872. Pamph. . . . .	1-75	351
17,671	Annual Report St. Louis Public School. 1872-73. Pamph. . . . .	1-8	351



# REPORT OF COMMITTEE ON CEMETERIES.

TO THE CITY COUNCIL OF MANCHESTER.

*Gentlemen:* At the commencement of their official year the Committee on Cemeteries organized by the choice of Sylvanus B. Putnam, Clerk, and Jacob F. James, Treasurer. They chose Benjamin Stevens Superintendent of the "Valley" and Granvil Haselton Superintendent of "Pine Grove."

A few general suggestions made last year may be repeated at the present time. They relate to the securing of a title to the old First Burying Ground on the Weston Farm; to arrangements by which there may be an official supervision over private grounds, and to continual improvements in the resting places of our dead.

## THE VALLEY.

The Sub-Committee on the Valley report that the receipts which have come into the hands of the Treasurer from various sources, including sale of lots, lumber and for interest, amount to nine hundred sixty dollars and thirty cents (\$960.30), as follows:

June 13, Frank L. Lynch for 1-2 lot No. 326, . . . . .	\$9.60
June 13, Frank L. Lynch for interest, . . . . .	8 84
June 21, C. S. Fisher for tomb fees, . . . . .	37.25
Aug. 25, A. C. Wallace for lumber, . . . . .	637.91

Aug. 30, F. C. Dow for lot No. 754 1-2: . . . . .	\$132.30
Sept. 17, Thomas Dunlap for lot No. 757, . . . . .	90.00
Nov. 19, Joseph Nichols for lot No. 1222, . . . . .	44.40
	<hr/>
Total, . . . . .	\$960.30

All of which was paid to the City Treasurer immediately after collection as per receipts. In addition to the above, the Superintendent has collected twenty dollars and sixty-two cents (\$20.62) for loan, &c., which was credited on his bills.

The disbursements on approval of the committee on wall, as the amount of appropriation, will be found fully stated in the annual report of receipts and expenditures.

One man has been employed regularly on the grounds through the working season, and occasionally additional services have been required.

The stone wall commenced last year has been completed, and had there been adequate appropriation or sufficient receipts from the sale of lots or otherwise, an iron fence would have been placed upon it. During the year a design has been made, and it is expected the casting will be done at an early day.

It has been proposed that the wall and fence be extended as rapidly as possible on the line of Auburn Street on the east of the gateway, and at no distant day be continued down Pine Street across the deep ravine: and that from year to year some portion of an iron fence be constructed, until the grounds shall be fully protected.

The removal of the old growth during the past season, and the more recent cutting of many dead trees and those injured by the falling of the branching pines, as well as the occasional thinning of the shade trees in the grounds, caused a striking change, and left the cemetery to some extent exposed to view and to the glare of summer suns and blasts of autumn winds. But year by year the new hard wood

growth will come rapidly forward, and the committee believe that the citizens will generally approve their work.

A few new lots have been laid out and graded during the year, and are now in the market. They are generally pleasantly located, and are in every way desirable lots.

The cutting of the timber in the grounds, and the construction of the wall, occasioned some injury to lots and fences, for which claims have been made and satisfactorily adjusted. The same causes have required extra labor, and there is still, in several places, more labor needed before the grounds will be satisfactory to the public.

The committee expended all the funds at their command in improvements, and regret that the want of means compels them to leave much unaccomplished that they had proposed to do.

At least three thousand dollars should be appropriated the coming year for extending the cement wall and surmounting it with a substantial iron fence.

To make such improvements as the grounds require, and to meet the usual expenses, it will need an appropriation of four thousand dollars.

#### PINE GROVE.

The Pine Grove Cemetery has been cared for the past year by Mr. Haselton, who has given his whole time to the work of keeping the avenues and walks in order, removing trees and grading lots as they have been laid out by the engineers.

The difficulty of cultivating flowers and shrubbery under the pines, has led many owners to petition for their removal.

The committee have ordered the removal of some trees from lots and walks contiguous, where such removal would not seriously injure the general appearance.

They have in all such cases encouraged the planting of evergreens and hard wood trees to take their places.

The sale of lots has been greater than ever before in one year, showing that the grounds are appropriated more as a place of burial.

Many lots have been improved by their owners, and substantial and tasteful curb-stones and monuments have been placed therein.

Nothing has been done to the fence around the cemetery the past year. The wooden portion is becoming old, and will need some repairs the coming year. The iron fence which was not completed when our predecessors made their report, was finished soon after, but we regret to say it has not proved satisfactory.

The stone work was not set until the ground was frozen, and upon the opening of spring the settling and swaying was such that the whole structure is out of shape. It has seemed best to the committee that nothing should be done to it until such time as the funds in their hands should warrant the erection of another section, and then to make such changes in the grade and location of the present portion as to give, in connection with the new part, a neat and substantial appearance, the consideration and extension of which must necessarily come upon our successors.

The demand from the lot-owners, and the public generally, for a supply of water for the grounds for years past, has come to the committee this year as usual.

The well near the tool house being worthless, we caused one to be sunk on the eastern side of the grounds, but it had no signs of water after a very few weeks.

The committee, after ascertaining that the elevation beyond the road upon the easterly side of the grounds gave promise of yielding a fair supply of water, took a lease of Mr. Joseph Poor, in behalf of the city, of a perpetual right to dig wells and convey water by under-ground pipes. The sum paid was one hundred and fifty dollars (\$150.00), and

the terms of the lease are such that we may make additional wells by payment of fifty dollars (\$50.00) for each.

The work was entered upon at once and has been completed in a substantial manner, and the water brought to the highest portion of the ground. When the gate was shut, just before the freezing of the ground, the flow of water was abundant, proving to be sufficient, if properly distributed, for many years to come.

The well or reservoir is laid with heavy split stones. The pipes for conducting it to the grounds are cement.

The contracts for the work were made by the treasurer and sub-committee, the details of which, and its speedy completion, are largely due to the treasurer, Mr. James.

The cost of the work will be found in detail in the annual report of receipts and expenditures.

To make it of the greatest utility to the proprietors on the grounds, some plan of distribution must be adopted by our successors.

A. A. WOODWARD, *Chairman.*

SYLVANUS B. PUTNAM, *Clerk.*

J. F. JAMES, *Treasurer.*

JAMES O. ADAMS,	}	<i>Sub Committee on the Valley.</i>
E. W. HARRINGTON,		
I. W. DARRAH,		

A. H. DANIELS,	}	<i>Sub Committee on Pine Grove.</i>
J. L. KENNEDY,		
S. B. PUTNAM,		
JONA. B. MOORE,		

HOLMES R. PETTEE,

JAMES A. WESTON,

CHAS. H. BARTLETT.

## TREASURER'S REPORT.

TO THE COMMITTEE ON CEMETERIES :

Your Treasurer respectfully submits the following report:

## THE VALLEY.

1873.

June 13, F. S. Lynch for 1-2 lot No. 326,	\$9 60
June 13, F. S. Lynch for interest,	8 84
June 21, C. S. Fisher for tomb rent,	37 25
Aug. 26, A. C. Wallace for timber,	637 91
Aug. 30, F. C. Dow for lot No. 754 1-2,	132 30
Sept. 17, Thomas Dunlap for lot No. 757,	90 00
Nov. 19, Joseph Nichols for lot No. 1222,	44 40
	<hr/> \$960 30

1873.

## PAID CITY TREASURER.

June 21, Paid City Treasurer,	\$37 25
Aug. 26, " " "	637 91
Aug. 30, " " "	150 00
Sept. 17, " " "	90 00
Nov. 22, " " "	45 14
	<hr/> \$960 30

## PINE GROVE.

Cash received by J. B. Sawyer for lots sold from	
January 1 to April 22, 1873,	\$490 05
Cash paid City Treasurer,	490 05
Cash received for 85 lots sold from April 27 to	
December 31, 1873,	1,796 83
Cash paid City Treasurer as per receipts,	1,796 83
Amount received for lots sold one year ending	
December 31, 1873, is	2,286 88

I have paid no bills during the year, but have paid the City Treasurer all money received on account of the ceme-

teries, and all the bills of expenditures have been examined by the committee on accounts, the complete details of which will appear in the city Annual Report for 1873.

To which report reference is made for particulars.

J. F. JAMES,  
*Treasurer of Committee on Cemeteries.*

I hereby certify that I have examined the accounts of Hon. Jacob F. James, Treasurer of Committee on Cemeteries, and find them correctly cast, and the payments properly vouched for.

JOSEPH E. BENNETT, *City Auditor.*

January 1, 1874.





# ANNUAL REPORT OF CHIEF ENGINEER.

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ENGINEER'S OFFICE, December, 1873.

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

GENTLEMEN:—I have the honor to submit herewith the annual report of the condition and workings of the Fire Department for the year ending Dec. 31, 1873.

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

## AMOSKEAG STEAM FIRE ENGINE COMPANY, NO. 1,

LOCATED ON VINE STREET.

1 first-class rotary steam fire engine and hose carriage, . . . . .	\$2,250 00
100 feet rubber hose, . . . . .	240 00
1600 feet leather hose, . . . . .	2,054 00
Firemen's suits, . . . . .	203 00
Furniture, fixtures, &c., . . . . .	562 00
<hr/>	
Total amount, . . . . .	\$5,309 00

## FIRE KING STEAM FIRE ENGINE COMPANY, NO. 2,

LOCATED ON VINE STREET.

1 first-class double-plunger engine and hose carriage, . . . . .	\$3,250 00
100 feet rubber hose, . . . . .	140 00

1500 feet leather hose, . . . . .	1,791 00
Firemen's suits, . . . . .	187 00
Furniture, fixtures, &c., . . . . .	639 00
	<hr/>
Total amount, . . . . .	\$6,007 00

## E. W. HARRINGTON STEAM FIRE ENGINE COMPANY, NO. 3,

LOCATED AT PISCATAQUOG.

1 second-class plunger engine and hose carriage, . . . . .	\$3,200 00
200 feet rubber hose, . . . . .	100 00
1600 feet leather hose, . . . . .	1,924 00
Firemen's suits, . . . . .	178 00
Furniture, fixtures, &c., . . . . .	517 75
	<hr/>
Total amount, . . . . .	\$5,919 75

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

LOCATED ON VINE STREET.

1 second-class double-plunger engine and hose carriage, . . . . .	\$4,250 00
50 feet rubber hose, . . . . .	71 50
1300 feet leather hose, . . . . .	1,757 00
Firemen's suits, . . . . .	213 00
Furniture, fixtures, &c., . . . . .	609 25
	<hr/>
Total amount, . . . . .	\$6,900 75

## PENNACOOK HOSE COMPANY, NO. 1,

LOCATED ON VINE STREET.

2 four-wheeled hose carriages, . . . . .	\$1,000 00
2250 feet leather hose, . . . . .	2,466 00

Firemen's suits, . . . . .	309 00
Furniture, fixtures, &c., . . . . .	343 00
	<hr/>
Total amount, . . . . .	\$4,118 00

## EXCELSIOR HOOK AND LADDER COMPANY, NO. 1,

LOCATED ON VINE STREET.

1 truck, with hooks and ladders, . . . . .	\$1,500 00
Firemen's suits, . . . . .	431 00
Furniture, fixtures, &c., . . . . .	383 75
	<hr/>
Total amount, . . . . .	\$2,314 75

## GOFFE'S FALLS HOSE COMPANY,

LOCATED AT DERRY MILLS.

1 two-wheeled hose carriage, . . . . .	\$150 00
600 feet leather hose, . . . . .	400 00
Fixtures, &c., . . . . .	37 00
	<hr/>
Total amount, . . . . .	\$587 00

## AMOSKEAG HOSE COMPANY,

LOCATED AT AMOSKEAG VILLAGE.

1 two-wheeled hose carriage, . . . . .	\$200 00
800 feet hose, . . . . .	600 00
Pipes, &c., . . . . .	12 00
	<hr/>
Total amount, . . . . .	\$812 00

## ENGINEERS' DEPARTMENT.

1 supply wagon, . . . . .	\$200 00
Suits for firemen, . . . . .	116 00
Furniture, &c., . . . . .	122 00
	<hr/>
Total amount, . . . . .	\$438 00

## FIRE ALARM TELEGRAPH.

At cost, . . . . . \$15,634 70

## RECAPITULATION.

Amoskeag Engine Company, No. 1, . . . . .	\$5,309 00
Fire King " " No. 2, . . . . .	6,007 00
E. W. Harrington " No. 3, . . . . .	5,919 75
N. S. Bean " No. 4, . . . . .	6,900 75
Pennacook Hose " No. 1, . . . . .	4,118 00
Excelsior Hook and Ladder Company No. 1, . . . . .	2,314 75
Goffe's Falls Hose " . . . . .	587 00
Amoskeag Hose " . . . . .	812 00
Engineers' Department, . . . . .	438 00
Fire Alarm Telegraph, . . . . .	15,634 70
<hr/>	
Total amount, . . . . .	48,040 95

NAMES AND RESIDENCES OF MEMBERS OF THE  
FIRE DEPARTMENT.

## ENGINEERS.

B. C. Kendall, chief engineer, No. 311 Central street.  
 Wilberforce Ireland, clerk, cor. Prospect and Union street.  
 A. C. Wallace, Main street, Piscataquog.  
 A. H. Lowell, Park street.  
 Freeman Higgins, Bridge street.

## AMOSKEAG ENGINE COMPANY, NO. 1.

Orrin E. Kimball, foreman, No. 9 Harrison Street.  
 George R. Simmons, assistant foreman, No. 1 Pennacook St.

Horace Nichols, engineer, No. 27 machine shop block.  
 Sam C. Lowell, assistant engineer, No. 5 machine shop block.  
 James R. Carr, clerk, No. 14 Orange Street.  
 G. W. Butterfield, driver, engine house, Vine Street.  
 Erastus Cutting, hoseman, No. 175 Hanover Street.  
 C. M. Morse, hoseman, No. 548 Chestnut Street.  
 John D. Linus, hoseman, No. 5 machine shop block.  
 John E. Wilson, hoseman, No. 53 machine shop block.  
 John L. Avery, hoseman, No. 518 Chestnut Street.  
 George W. Vickery, hoseman, No. 60 Orange Street.  
 Frank E. Stearns, hoseman, No. 24 Brook Street.  
 John L. Underhill, hoseman, No. 14 Laurel Street.

FIRE KING ENGINE COMPANY, NO. 2.

James F. Pherson, foreman, No. 25 machine shop block.  
 C. A. Swain, assistant foreman, No. 12 Pearl Street.  
 A. M. Kenniston, clerk and treasurer, No. 14 Bridge St.  
 D. W. Morse, engineer, No. 1419 Elm Street.  
 S. W. Nelson, assistant engineer and steward, No. 26 machine shop block.  
 G. W. Cheney, hoseman, No. 54 machine shop block.  
 J. W. Batchelder, hoseman, No. 340 Pine Street.  
 C. F. Hall, hoseman, No. 42 machine shop block.  
 F. W. McKinley, hoseman, No. 14 Amoskeag Corporation.  
 Augustus Merrill, driver, engine house, Vine Street.  
 W. B. Heath, hoseman, No. 63 Stark Corporation.  
 A. H. Sanborn, hoseman, No. 11 Towne's block, Elm St.  
 S. F. Head, hoseman, No. 403 Pine Street.  
 C. H. Manley, hoseman, No. 1302 Elm Street.

E. W. HARRINGTON ENGINE COMPANY, NO. 3.

John Patterson, foreman, Main Street.  
 Horatio Fradd, assistant foreman and clerk, Dover Street.

D. J. Warren, hoseman, Barr & Clapp's block, Main Street.  
 Horace Crandall, driver, Mast Road.  
 William Doran, engineer, Douglas Street.  
 H. E. Sturtevant, hoseman, Granite Street.  
 B. K. Parker, hoseman, Main Street.  
 George Weaver, hoseman, River Street.  
 John R. Young, hoseman, Dover Street.  
 Thomas Young, hoseman, Dover Street.  
 Joseph Schofield, hoseman, Main Street.  
 John Gildard, hoseman, Douglas Street.

N. S. BEAN ENGINE COMPANY, NO. 4.

G. W. Wilson, foreman, Nashua Street.  
 W. H. Vickery, assistant foreman, No. 19 machine shop  
 block.  
 J. S. Bacheller, engineer, cor. Amherst and Beech Streets.  
 A. D. Colby, assistant engineer, No. 44 machine shop block.  
 A. Roby, driver, engine house, Vine Street.  
 P. W. Hannaford, clerk, No. 256 Lowell Street.  
 G. H. Dodge, hoseman, No. 35 machine shop block.  
 J. W. Preston, hoseman, No. 39 machine shop block.  
 B. S. Stewart, hoseman, No. 80 Amoskeag Corporation.  
 S. H. Batchelder, hoseman, No. 39 Mechanic Street.  
 F. E. Judkins, hoseman, No. 40 machine shop block.  
 C. F. Howe, hoseman, No. 99 Amoskeag Corporation.  
 N. H. Dodge, hoseman, No. 34 Market Street.  
 R. Hatch, hoseman, No. 53 machine shop block.

PENNACOOK HOSE COMPANY, NO. 1.

H. S. Brown, foreman, No. 14 Bridge Street, Amoskeag  
 Corporation.  
 B. B. Aldrich, assistant foreman, No. 58 Orange Street.  
 D. H. Maxfield, clerk, No. 17 Stark Corporation.  
 J. E. Merrill, treasurer, No. 83 Orange Street.

J. G. Knight, steward, No. 405 Pine Street.  
 A. Maxfield, hoseman, No. 14 Amoskeag Corporation.  
 T. W. Lane, hoseman, No. 31 Blodgett Street.  
 W. L. Blenus, hoseman, No. 153 Hanover Street.  
 G. H. Porter, hoseman, Bartlett's block, Laurel Street.  
 A. J. Coburn, hoseman, No. 12 Chester Street.  
 M. W. Ford, hoseman, No. 53 Water Street.  
 W. R. Sawyer, hoseman, No. 7 Pearl Avenue.  
 E. C. Jones, hoseman, No. 8 Pearl Avenue.  
 W. H. Cassidy, hoseman, No. 6 Pearl Avenue.  
 J. M. Plaisted, hoseman, No. 21 Water Street.  
 T. P. Heath, hoseman, No. 261 Manchester Street.  
 G. A. Stevens, hoseman, No. 132 Merrimack Street.  
 C. D. Palmer, hoseman, corner Park and Beech Streets.  
 C. J. Chase, No. 31 Laurel Street.  
 A. Merrill, No. 21 Water Street.

EXCELSIOR HOOK AND LADDER COMPANY, NO. 1.

J. M. Jewell, foreman, No. 69 Hanover Street.  
 A. L. Robertson, assistant foreman, No. 137 Amherst St.  
 G. E. Glines, clerk, No. 95 Orange Street.  
 Charles Canfield, steward, No. 18 Stark Street.  
 Joel Daniels, treasurer, No. 32 Ash Street.  
 James Kearn, driver, No. 102 Concord Street.  
 G. H. Dudley, No. 152 Laurel Street.  
 H. P. Young, No. 351 Pine Street.  
 F. A. Senter, No. 247 Pine Street.  
 J. N. Chase, No. 276 Bridge Street.  
 F. H. Pike, No. 8 Lincoln block.  
 E. A. S. Holmes, No. 228 Manchester Street.  
 L. J. Flint, No. 211 Bridge Street.  
 George Bacon, No. 45 Stark Corporation.  
 G. L. Leech, No. 263 Merrimack Street.  
 C. A. Clough, No. 2 Print Works.

D. M. K. Phillips, No. 310 Central Street.  
 Charles Harvey, No. 320 Central Street.  
 A. A. Haselton, No. 320 Central Street.  
 S. Worthen, No. 137 Amherst Street.  
 J. S. Dennett, No. 80 Canal Street.  
 W. O. Davidson, No. 11 Stark Street.  
 H. H. Cole, No. 43 machine shop block.  
 W. S. Leavitt, No. 137 Amherst Street.  
 M. J. Wingate, No. 1 Stark Street.  
 H. T. Miller, No. 68 Hanover Street.  
 J. Orrill, No. 442 Union Street.  
 G. B. Forsaith, Towne's block.  
 A. Mason, No. 137 Amherst Street.  
 E. A. Waldron, No. 54 Water Street.  
 H. French, No. 3 Knowles' block.

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### FIRES AND ALARMS.

The department has been called out thirty-five times as follows :

First, January 8th, alarm box 6—Fire at Pittsfield.

Second, January 13th, alarm box 7—Kennard's block, Washington Street; caused by wood-work around chimney taking fire.

Third, January 30th, alarm box 42—caused by gas explosion at Manchester Print Works.

Fourth, February 10th, alarm box 13—Blodgett Street, School-house; caused by wood-work near stove taking fire.

Fifth, February 14th, alarm box 8—Pearl Street; burning of bed in Burgess' block.

Sixth, February 20th, alarm box 7—Elm Street, near City Hotel; caused by fire in clothes press.

Seventh, March 8th, alarm box 7—Fire in stables on Lowell Street; cause said to be smoking in stable; loss \$3,000; insured \$2,500.



Eighth, March 16th, alarm box 52—Piscataquog; cause, burning of a chimney.

Ninth, April 23d, alarm box 26—Janesville; fire in C. D. Carpenter's house; incendiary, loss \$2,500; insured \$2,000.

Tenth, May 1st, alarm box 4—A burning chimney.

Eleventh, May 27th, alarm box 16—Corner High and Pine streets; C. W. Bartlett's house, leak in gas pipe.

Twelfth, June 6th, alarm box 34—Fire in harness shop, Mechanics' Row; loss \$500; fully insured.

Thirteenth, June 12th, alarm box 21—Bartlett's block, Chestnut Street; caused by sparks from chimney dropping on roof of building.

Fourteenth, June 13th, alarm box 7—Burning chimney, Birch Street.

Fifteenth, June 25th, alarm box 7—Elm Street; Kerosene lamp explosion.

Sixteenth, July 13th, alarm box 4—Burning chimney, Park Street.

Seventeenth, July 15th, alarm box 6—Burning chimney, Concord Street.

Eighteenth, July 23d, alarm box 7—Kerosene lamp explosion.

Nineteenth, August 2d, alarm box 4—Fire in Patrick Sheehan's house; loss, \$500.

Twentieth, August 2d, alarm box 52—Cause unknown.

Twenty-first, August 5th, alarm box 21—Fire in woodshed on Park Street; loss \$300.

Twenty-second, August 24th, alarm box 4—Burning chimney, Park Street.

Twenty-third, August 27th, alarm box 52—Fire in tenement block, Piscataquog; loss, \$4,000; insured, \$3,500.

Twenty-fourth, September 18th, alarm box 34—Fire in Hodge's dry house, Mechanics' Row; loss, \$200; no insurance.

Twenty-fifth, September 20th, alarm box 6—Amherst Street; dwelling-house, loss \$300; insured.

Twenty-sixth, October 1st, alarm box 51—Fire at S. C. Forsaith's boiler room.

Twenty-seventh, October 2d, alarm box 4—Burning chimney.

Twenty-eighth, October 3d, alarm box 4—Burning chimney.

Twenty-ninth, October 9th, alarm box 52—Piscataquog; caused by wood-work around chimney taking fire.

Thirtieth, October 20th, alarm box 53—Piscataquog; J. P. Brock's house: loss, \$5,000; no insurance.

Thirty-first, November 12th, alarm box 53—Piscataquog; fire in wood-shed at school-house, caused by putting ashes in barrel; loss, \$200.

Thirty-second, November 28th, alarm box 7—Caused by careless use of kerosene lamp.

Thirty-third, December 5th, alarm box 6—Fire at Sun-cook.

Thirty-fourth, December 28th, alarm box 21—Caused by an imperfect chimney.

Thirty-fifth, December 30th, alarm box 8—Fire at F. Preston's stable, near corner of Orange and Elm Streets; loss, \$400.

Losses by fire for the year, . . . . .	\$16,900
Total amount of insurance on property, . . . . .	8,900
	<hr/>
Total loss not covered by insurance, . . . . .	\$8,000

## APPARATUS.

The steam fire engines belonging to the department are in first-rate working order, with the exception of the N. S. Bean, No. 4. This engine has been in constant service for seven years, and during that time a few slight repairs only have been made upon it. The pumps of the machine should be thoroughly overhauled. New steam cylinders are needed, and some other repairs should be made. Arrangements have been made with the Amoskeag Company for the supply of an engine to be used while the repairs upon the N. S. Bean are being made.

I would suggest that the time has arrived when a span of horses should be permanently attached to the steamer E. W. Harrington, No. 3, located at Piscataquog Village. Heretofore this engine has been drawn to fires by horses which were employed at the lumber works belonging to A. C. Wallace. As the horses owned by Mr. Wallace were frequently in use at a considerable distance from the engine when a fire has occurred, it has often happened that the engine was greatly delayed in reaching the place. If a span of horses should be purchased for this service, they might be employed a portion of the time to advantage in connection with the repairs upon the streets in that vicinity.

Since the introduction into the city of hydrants and other facilities for putting out fires, two new hose carriages are required, in order that the best results may be realized. Whenever a fire occurs in the vicinity of a hydrant, hose should be attached thereto with the least possible delay. According to the present system of drawing the hose carriages by hand, much more time is consumed in reaching the fire than would be required if the carriage were drawn by horses. I would, therefore, recommend the purchase of a new hose carriage to be drawn by horses, and also another

light hose carriage to be drawn by hand. The horse hose carriage should be located at the engine house upon Vine street. The hose carriage now in use might be located near the Lincoln-street school-house; and if a new hand hose carriage should be purchased, as recommended, it might be located to advantage near the new Grammar school-house at the corner of Bridge and Ash Streets. This arrangement, if carried out, would no doubt often tend to facilitate quenching of fires immediately, and before an engine would be needed.

The Hook and Ladder Truck which was purchased last year has proved to be equal to any carriage of the kind now in use, and it has given great satisfaction to the firemen who manage it, and to the Board of Engineers.

The total amount of hose now in use in the department is 10,000 feet, 1,850 of which was purchased during the year past. The total amount of hose now used in the city proper is 8,600 feet. At Amoskeag Village there are 800 feet, and 600 feet are in use at Goffe's Falls. The most of the hose now used by the department is in good condition. As the territory of the city is steadily increasing, more hose will soon be needed. The hose now on hand is constantly depreciating in value by wear, and consequently more will be needed on this account. I would, therefore, recommend that 1,500 feet of new hose be purchased immediately.

I would respectfully renew the recommendation which I made in my report of last year concerning the heating of the engine houses upon Vine Street. If the houses were heated by steam, as recommended, much expense would be saved, and during the winter months the water in the boilers of the engines could be kept at a high temperature, so that the engines would be ready to play upon a fire without a moment's delay.

The outside doors of the engine houses on Vine Street have become much worn and dilapidated, and I would re-

spectfully suggest that it would be good policy to procure new ones, with glass panels. By this arrangement the rooms would be well lighted, and present a pleasant and cheerful appearance.

#### WATER SUPPLY.

During the year past water pipes connecting with the Amoskeag Company's reservoir at Janesville have been laid in all of the streets in the city, and as a consequence the supply of water for fire purposes has been full, complete and very satisfactory to all concerned. The new improvements in this respect have greatly lessened the danger from devastating fires in the city proper. In Piscataquog village, however, the water supply is far short of the demand, as there are only four reservoirs in the village, and three of them can be pumped dry in less than thirty minutes. Many portions of the village are so far distant from any of these reservoirs that in case of a fire no benefit could be derived from them. In the case of the fire last summer, at the tenement house belonging to the Print Works Corporation, water was taken from the water pipes laid on Granite Street, upon the east side of the river. If there had been a proper supply of water near at hand the building might have been saved with little damage. In the case of the burning of the dwelling-house owned by Mr. J. P. Brock, in October last, the fire department could render but little service because of the great distance of the building from a reservoir. More than half of the losses from fires in the city during the past year have been occasioned by the burning of buildings located in this village. If the City Council should deem it inexpedient to extend the water pipes at a very early day into this portion of the city, it is evident that more reservoirs should be provided there without delay.

## THE FIRE ALARM TELEGRAPH.

The fire alarm telegraph, which was introduced and put in operation in September, 1872, is giving increasing satisfaction as its great merits are becoming better known and appreciated, not only to the members of the fire department, but also to citizens of all classes. The system has worked to perfection throughout the year, and in every case the location of a fire has been correctly indicated. The mistakes and confusion which prevailed in former times have been completely avoided. The labors and embarrassments of the firemen have been greatly lessened, and when fires have broken out much valuable time has been saved in reaching them. A new and heavy alarm bell has been placed in a tower near the corner of Elm and Prospect streets, and several additional engineers' and drivers' call bells have been procured. Six additional alarm boxes are needed, one of which should be located near the Manchester House, one near the Lincoln-street school-house, one upon Elm street near the Riding Park, one at the corner of Elm and Water streets, one at the corner of Cedar and Union streets, and one at the corner of Manchester and Chestnut street.

## SUGGESTIONS.

The people of the city have great reason to congratulate themselves in view of the comparatively small amount of property which has been destroyed by fire in the city during the past year, and also in view of the splendid equipment of their fire department, the excellent water supply, and other arrangements which have been made for the protection of life and property from fires. It is well, however, for us all to remember that with all the appliances which art and science can furnish for these purposes, we

are never absolutely free from danger. Other cities, as well provided in these respects as our own, have been laid in ashes. It is, therefore, the imperative duty of every citizen to coöperate with the City Council and the fire department in every possible manner in guarding their homes from the ravages of the devouring element, and in providing such apparatus as may be needed for quenching fires in their incipient state. In this connection, I would suggest that all owners of buildings would do well by providing ladders to be always ready for use in case of a fire. I would also suggest that it would be well for each family to procure fire buckets to be kept ready at hand in case of the breaking out of a fire upon their premises.

In this connection it may be well for the City Council to consider the expediency of organizing a brigade of fire police, whose duty should be to protect from thieves all merchandise exposed to destruction at fires. Such a brigade should be placed under the authority of the Board of Engineers, and, among their other duties, they might be authorized to protect merchandise in stores from damage by water by the use of blankets and canvas, in case of fires in rooms or buildings near by. The insurance companies who have risks upon property in the city could well afford to pay the expense of such a brigade as is proposed. In this connection I would further suggest that, in case of a large fire, many buildings exposed to danger might be protected if the owners were provided with canvas or blankets with which to shield the roofs and walls from the flying cinders.

#### THE FIREMEN'S RELIEF ASSOCIATION.

This association, which was formed in 1872, and consists of nearly every member of the department, has realized, thus far, the best expectations of its founders. During the

year past it has been the means of mitigating the sufferings of several firemen who were injured while in the discharge of their duties. In the case of John D. Linus, a hoseman, attached to Amoskeag Steam Fire Engine. No. 1, and who was very severely injured at the fire upon Lowell street in March last, the benefits of the association were illustrated in a very marked manner. During his painful confinement for a period of thirteen weeks, he was constantly watched, and everything necessary for his comfort was provided by his brethren of the association.

The whole receipts of the association are \$1,520.43 ; the expenses have been \$728.13, leaving a cash balance on hand amounting to \$792.30. The members of the association are under deep obligations to Hon. Charles H. Bartlett, for tendering to them the entire amount of his salary as Mayor, upon resigning the office, amounting to \$137.

They also gratefully acknowledge the kindness of Ex-Gov. Smyth, and Charles Williams, Esq., the proprietors of Smyth's Opera House, in granting them the use of the house for a levee in aid of the funds of the association.

The members of the association are also under obligations to A. G. Fairbanks, Esq., for his donation of \$10 ; to A. H. Daniels, Esq., for a donation of \$5 ; and to J. E. Bennett, Esq., for a donation of \$3.

The members of the association desire to thank the citizens of the city, generally, for the interest which they have manifested in the institution, and especially for the generous patronage which they extended to the levee in aid of Mr. Linus, and the levee which was given to raise funds for the institution.

#### CONCLUSION.

In conclusion, I desire to thank His Honor the Mayor for his courtesy and kindness to me, personally, and for the



warm interest which he has manifested in the department, as well as for his sympathy for the firemen.

I also hereby extend my thanks to the Committee on the Fire Department, and the members of the City Council generally, for their zeal in caring for the welfare of the firemen, and for the readiness which they have at all times manifested in responding to all reasonable suggestions which have been made to them for improving the efficiency of this branch of the public service.

I also take this occasion to thank the members of the Board of Engineers for their kindness and gentlemanly bearing towards me, while aiding me in the discharge of my duties.

And finally, I hereby extend my thanks to the officers and members of the several companies belonging to the department, for the energy, the promptness, and the cheerfulness they have displayed in the performance of their duties, and for the kindness and good will which they have always manifested to me, personally.

B. C. KENDALL, *Chief Engineer.*

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#### LOCATION OF HYDRANTS.

Hydrants are located on the following-named streets, at the points designated :

- Amherst, north-west corner Vine Street.
- Amherst, opposite south-west corner Chestnut Street.
- Amherst, north-west corner Union Street.
- Amherst, north-west corner Walnut Street.
- Amherst, north-west corner Beech Street.
- Amherst, north-west corner Maple Street.
- Amherst, north-west corner Lincoln street.
- Amherst, north-west corner Ashland Street.

- Amherst, north-west corner Hall Street.  
 Arlington, north-west corner Cross Street.  
 Arlington, north-west corner Warren Street.  
 Arlington, north-west corner Ashland Street.  
 Ash, front of No. 32.  
 Auburn, north-east corner Canal Street.  
 Auburn, north-west corner Elm Street.  
 Auburn, front of No 40.  
 Auburn, north-west corner Chestnut Street.  
 Auburn, north-west corner Pine Street.  
 Bedford, north-west corner Granite Street.  
 Bedford, near No. 36 Manchester Print Works Corp.  
 Bedford, north-west corner Central Street.  
 Beech, north-west corner Park Street.  
 Beech, front of No. 584.  
 Birch, north-west corner Lowell Street.  
 Birch, north-west corner Washington Street.  
 Blodgett, front of Primary School House.  
 Blodgett, north-west corner Chestnut Street.  
 Blodgett, north-west corner Pine Street.  
 Blodgett, north-west corner Union Street.  
 Bridge, north-east corner Canal Street.  
 Bridge, north-east corner Hobbs Street.  
 Bridge, north-west corner Elm Street.  
 Bridge, front of No. 26.  
 Bridge, north-west corner Chestnut Street.  
 Bridge, north-west corner Union Street.  
 Bridge, north-west corner Walnut Street.  
 Bridge, north-west corner Beech Street.  
 Bridge, north-west corner Ash Street.  
 Bridge, north-west corner Maple Street.  
 Bridge, near No. 242.  
 Bridge, north-west corner Russell Street.  
 Bridge, north-west corner Linden Street.  
 Brook, north-east corner Canal Street.

- Brook, north-west corner Elm Street.  
 Brook, north-west corner Phinehas Adams's lot.  
 Brook, north-west corner Chestnut Street.  
 Brook, north-west corner Pine Street.  
 Brook, north-west corner Union Street.  
 Canal, north-east corner Depot Street.  
 Canal, near old office door to Locomotive Works.  
 Cedar, north-east corner Canal Street.  
 Cedar, north-west corner Elm Street.  
 Cedar, front of No. 36.  
 Cedar, north-west corner Chestnut Street.  
 Cedar, north-west corner Pine Street.  
 Cedar, north-west corner Union Street.  
 Cedar, north-west corner Beech Street.  
 Cedar, north-west corner Maple Street.  
 Central, north-east corner Canal Street.  
 Central, north-west corner Elm Street.  
 Central, near gate to Merrimack Square.  
 Central, north-west corner Chestnut Street.  
 Central, north-west corner Pine street.  
 Central, north-west corner Union Street.  
 Central, north-west corner Beech Street.  
 Central, north-west corner Maple Street.  
 Central, north-west corner Lincoln Street.  
 Central, front of No. 374.  
 Chestnut, north-west corner Lowell Street.  
 Chestnut, opposite High Street.  
 Chestnut, north-west corner Pearl Street.  
 Chestnut, north-west corner Orange Street.  
 Chestnut, north-west corner Myrtle Street.  
 Chestnut, north-west corner Prospect Street.  
 Concord, opposite Vine Street.  
 Concord, north-west corner Chestnut Street.  
 Concord, north-west corner Union Street.  
 Concord, north-west corner Walnut Street.

Concord, north-west corner Beech.  
 Concord, north-west corner Nashua Street.  
 Concord, north-west corner Maple Street.  
 Concord, north-west corner Old Amherst.  
 Dean, north-east corner Canal Street.  
 Depot, 100 feet west of Franklin Street.  
 Depot, north-west corner Elm Street.  
 Elm, front of Fisk's book-store.  
 Franklin, opposite Middle Street.  
 Granite, north-east corner Canal Street.  
 Granite, north-west corner Elm.  
 Hanover, front of First Congregational church.  
 Hanover, north-west corner Chestnut Street.  
 Hanover, north-west corner Union Street.  
 Hanover, north-west corner Beech.  
 Hanover, north-west corner Maple Street.  
 Hanover, north-west corner Lincoln Street.  
 Hanover, north-west corner Ashland Street.  
 Hanover, north-west corner Hall Street.  
 Harrison, opposite No. 13.  
 Harrison, north-west corner Chestnut Street.  
 Harrison, north-west corner Pine Street.  
 Harrison, north-west corner Union Street.  
 Hollis, north-east corner Canal Street.  
 Hollis, north-east corner Hobbs Street.  
 Kidder, north-east corner Canal Street.  
 Kidder, north-east corner Hobbs Street.  
 Kidder, north-west corner Elm Street.  
 Kidder's Court, north-west corner Elm Street.  
 Langdon, north-east corner Canal Street.  
 Laurel, north-west corner Pine Street.  
 Laurel, north-west corner Union Street.  
 Laurel, north-west corner Beech Street.  
 Laurel, north-west corner Maple Street.  
 Laurel, north-west corner Lincoln Street.

- Laurel, near No. 244.  
 Laurel, north-west corner Wilson Street.  
 Lowell, north-west corner Beech Street.  
 Lowell, north-west corner Ash Street.  
 Lowell, north-west corner South Street.  
 Lowell, front of No. 276.  
 Lowell, north-west corner Wilson Road.  
 Manchester, front of James Brothers' stable.  
 Manchester, northwest corner Chestnut Street.  
 Manchester, north-west corner Pine Street.  
 Manchester, north-west corner Union Street.  
 Manchester, north-west corner Beech Street.  
 Manchester, north-west corner Maple Street.  
 Manchester, north-west corner Lincoln Street.  
 Manchester, north-west corner Wilson Street.  
 Maple, north-west corner Lowell Street.  
 Maple, front of No. 530.  
 Market, near No. 54 Amoskeag Corporation.  
 Market, near 2d Back Street, west of Elm Street.  
 Market, north-west corner Elm Street.  
 Massabesic, north-west corner Old Falls Road.  
 Massabesic, south-east corner Taylor Street.  
 Massabesic, avenue near pumping station.  
 Mechanic, north-east corner Canal Street.  
 Mechanic, near 2d Back Street, west of Elm Street.  
 Mechanic, north-west corner Elm Street.  
 Merrimack, north-east corner Canal Street.  
 Merrimack, near No. 111 Amoskeag Corporation.  
 Merrimack, north-west corner Franklin Street.  
 Merrimack, north-west corner Elm Street.  
 Merrimack, opposite gate to Merrimack Square.  
 Merrimack, north-west corner Chestnut Street.  
 Merrimack, north-west corner Pine Street.  
 Merrimack, north-west corner Union Street.  
 Merrimack, north-west corner Beech Street.

Merrimack, north-west corner Maple Street.  
 Merrimack, north-west corner Lincoln street.  
 Merrimack, near No. 362.  
 Merrimack, north-west corner Wilson Street.  
 Middle, north-east corner Canal Street.  
 Middle, near No. 67 Amoskeag Corporation.  
 Myrtle, opposite No. 33.  
 Myrtle, north-west corner Pine Street.  
 Myrtle, north-west corner Union Street.  
 Myrtle, north-west corner Walnut Street.  
 Myrtle, north-west corner Beech Street.  
 Myrtle, north-west corner Ash Street.  
 Myrtle, north-west corner Maple Street.  
 Orange, opposite Clark avenue.  
 Orange, north-west corner Pine Street.  
 Orange, north-west corner Union Street.  
 Orange, north-west corner Walnut Street.  
 Park, near No. 36.  
 Park, north-west corner Chestnut Street.  
 Park, north-west corner Union Street.  
 Park, north-west corner Maple Street.  
 Park, north-west corner Lincoln Street.  
 Pearl, north-west corner Clark Avenue.  
 Pearl, north-west corner Pine Street.  
 Pearl, north-west corner Union Street.  
 Pearl, north-west corner Ash Street.  
 Pearl, north-west corner Maple Street.  
 Pine, north-west corner Park Street.  
 Pine, north-west corner Hanover Street.  
 Pine, north-west corner Amherst Street.  
 Pine, north-west corner Concord Street.  
 Pine, north-west corner Lowell Street.  
 Pine, north-west corner High Street.  
 Pine, north-west corner Bridge Street.  
 Pिकासant, north-east corner Canal Street.

Pleasant, near No. 35 Manchester Corporation.  
 Pleasant, north-west corner Franklin Street.  
 Pleasant, north-west corner Elm Street.  
 Prospect, front of No. 16.  
 Prospect, north-west corner Pine Street.  
 Prospect, north-west corner Union Street.  
 Spring, north-east corner Canal Street.  
 Spring, north-east corner Charles Street.  
 Spring, north-west corner Elm Street.  
 Spruce, front of No. 40.  
 Spruce, north-west corner Chestnut Street.  
 Spruce, near Pine Back Street.  
 Spruce, north-west corner Union Street.  
 Spruce, north-west corner Beech Street.  
 Spruce, north-west corner Maple Street.  
 Stark, north-east corner Canal.  
 Stark, near No. 13 Stark Corporation.  
 Stark, north-west corner Elm Street.  
 State, north-west corner Granite Street.  
 State, opposite No. 57 Manchester Corporation.  
 State, opposite No. 13 Manchester Corporation.  
 Union, north-west corner Lowell Street.  
 Union, north-west corner High Street.  
 Walnut, north-west corner Lowell Street.  
 Walnut, opposite No. 79.  
 Water, near No. 38 Amoskeag Corporation.  
 Water, north-west corner Elm Street.

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Total number 210, of which all are in use but the one at the Pumping Station, Massabesic.

## NUMBERS AND LOCATIONS OF ALARM BOXES AND KEYS.

No. 3—Blood's Shop, Elm Street. Keys at E. P. Johnson & Co.'s Office and Samuel Colby's residence, cor. Elm and Young Streets.

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

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

No. 6—Engine House, Vine Street. Keys at Engine House, Vine Street.

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

No. 8—Elm Street, foot of Orange Street. Keys at Griffin & Jones' Grocery and C. C. Perry's Variety Store.

No. 12—Blood's Shop. Keys private.

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

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

No. 15—Cor. Pearl and Chestnut Streets. Keys at residences of Chas. Palmer and T. S. Montgomery.

No. 16—Cor. Lowell and Union Streets. Keys at residences of Rev. John O'Brien and R. Hassam.

No. 17—Cor. Amherst and Beech Streets. Keys at residences of J. S. Bacheller and H. P. Watts.

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

No. 23—Cor. Central and Beech Streets. Keys at residences of Maj. J. Stevens and G. F. Lincoln.

No. 24—Cor. Massabesic and Park Streets. Keys at residences of R. W. Flanders and Ira Emery.

No. 25—Cor. Hanover and Ashland Streets. Keys at residences of Dea. Daniel C. Gould and Horace Gordon.



No. 26—Cor. Bridge and Russell Streets. Keys at residences of E. V. Dillingham and William E. Porter.

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

No. 32—Langdon Mills, cor. Canal and Brook Streets. Keys at Martin's Paper Mill and at Langdon Mills Watch Room.

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

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

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

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

No. 43—Namaske Mills. Keys at Namaske Mills Watch Room.

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

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

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

No. 61—Cor. Elm and Hancock Streets, Bakersville. Keys at J. C. Howe's residence and M. O'Neil's Saloon.

No. 62—Massabesic Street, Hallsville. Keys at residences of Charles Chase and A. W. Bartlett.

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

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## INSTRUCTIONS TO KEY HOLDERS AND OTHERS.

1. Upon the discovery of a fire, notice should be immediately communicated to the nearest alarm box, keys to which are always in the hands of the police and responsible persons in the vicinity of the boxes.

2. Key holders, upon the discovery or positive information of a fire, will unlock the box, pull the hook down once as far as they can (firmly 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 that the box is locked before leaving it. Give an alarm for no cause other than an actual fire. Do not give an alarm for a chimney.

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 key to the same officer.

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

7. Alarms will be sounded upon the fire-bells thus: For box 5, five strokes, 1-1-1-1-1, with short intervals, and repeating. For box 32, three strokes, 1-1-1, with a pause, then two strokes, 1-1, a pause, and repeating. Alarms for other numbers are given in a like manner; the numbers of each box given four times for an alarm.

One stroke of the alarm dismisses all companies remaining at the Engine Houses. Two strokes dismisses the whole Department.

## CONDITION OF CISTERNS AND RESERVOIRS.

No.	LOCATION.	Distance to	Depth of	Sand.	Opening.
		water.	water.		
		Ft. In.	Ft. In.	Ft. In.	
1	Elm street, at City Hall.....	8 12	5 2	None	1
2	Elm street, near Smyth's Block.....	5	5 10	12	2
3	Gate, Mercantile Block.....	1	3	None	1
4	Cor. Chestnut and Hanover streets.....	1 4	2 6	None	1
5	Haseltine House, Manchester street.....	8	5	6	1
6	Pine st., between Manchester and Merrimack streets....	4 10	5 11	12	1
7	Junc. Hanover and Pine streets.....	5	8	None	1
8	Gate, junc. Hanover & Pine sts., feeds No. 1, No. 6, and No. 9.....	.	.	.....	1
9	Cor. Pine and Central streets.....	6	6	.....	2
10	Cor. Elm and Myrtle streets.....	3 5	4	3 6	1
11	Lowell street, near Nashua street.....	2	7	None	1
12	Gate, Junc. Amherst and Chestnut sts., draws off water on Concord Square.....	.	.	.....	1
13	Centre of Tremont Square.....	.	.	.....	1
14	Bridge street, head of Birch.....	6 5	4 5	None	1
15	Cor. Chestnut and Orange streets.....	6	4	1 8	1
16	Hanover st., corner Union.....	7	.	3 3	1
17	Cor. Laurel and Beech streets.....	5 7	6	2	1
18	Cor. Walnut and Amherst streets.....	8	2	None	1
19	Cor. Chestnut and Harrison streets.....	2 3	7	None	1
20	Gate, Hanover street, feeds No. 5.....	.	.	.....	.....
21	Bakersville.....	14 6	4	None	1
22	'Squog, Granite st., near Fradd & Follansbee's.....	6 4	6	2	1
23	'Squog, north Steam Mill, 'Squog river.....	.	.	.....	.....
24	'Squog, Granite street.....	6 6	5	None	1
25	'Squog near the Bowman place.....	12	7	None	2
26	Amoskeag Penstock, north Batting Mill.....	.	.	.....	.....
27	Amherst, corner of Hall street.....	.	.	.....	.....
28	Merrimack street, between Hall and Wilson streets.....	.	.	.....	.....
29	Corner Amherst and Hall streets.....	.	.	.....	.....
30	Near J. B. McCrillis' shop, Jancsville.....	.	.	.....	.....
31	Gas Works.....	.	.	.....	.....
32	Brook, south end of Elm street.....	.	.	.....	.....
33	Elm back street, on Central street.....	.	.	.....	.....
34	Elm back street, on Park street.....	.	.	.....	.....
35	Elm back street, on Spruce street.....	.	.	.....	.....
36	Elm back street, on Cedar street.....	.	.	.....	.....
	Gate, cor. Hanover and Chestnut streets, feeds Concord Square pond, and Reservoir at Smyth's Block.....	.	.	.....	.....



CITY OF MANCHESTER.

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SCHOOL DEPARTMENT.

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ORGANIZATION FOR 1873.

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CHARLES H. BARTLETT, Mayor,  
*ex-officio* CHAIRMAN.

JOHN P. NEWELL, *vice* BARTLETT, resigned.

CHARLES A. SMITH,  
President of the Common Council, *ex-officio*.

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MEMBERS OF SCHOOL COMMITTEE.

Ward 1.—Henry E. Burnham.

Ward 2.—Marshall P. Hall, *Clerk*.

Ward 3.—Daniel Clark.

Ward 4.—Nathan P. Hunt.

Ward 5.—Frank J. Murray.

Ward 6.—Frank G. Clark.

Edwin Kennedy, *vice* Clark resigned.

Ward 7.—George P. Rockwell.

Ward 8.—George H. Colby.

JOSEPH G. EDGERLY,

SUPERINTENDENT OF PUBLIC INSTRUCTION.

## STANDING COMMITTEES OF THE BOARD.

*Finance, Accounts, and Claims.*—Messrs. Daniel Clark, Smith, Hall, and the Mayor.

*Repairs, Furniture, and Supplies.*—Messrs. Edgerly, Colby, Smith and Hunt.

*Text-Books and Apparatus.*—Messrs. Hall, Edgerly, F. G. Clark and Burnham.

*Fuel and Heating.*—The Mayor, Messrs. Colby, Daniel Clark and Edgerly.

*Examination of Teachers.*—Messrs. Burnham, Murray, Hunt and Edgerly.

*Truancy.*—Messrs. F. G. Clark, Murray, Hall and Edgerly.

*Employment of Children in Manufacturing Establishments.*—Messrs. Hunt, Daniel Clark, Rockwell and Edgerly.

*Evening Schools.*—Messrs. Hall, Murray and Smith.

*Music.*—Messrs. Daniel Clark and Rockwell.

## SUB-COMMITTEES.

Schools in High School Building, at Wilson Hill, and Suburban Schools Nos. 7 and 8.—Messrs. Daniel Clark, Hall and Hunt.

Schools on Spring Street.—Messrs. Burnham and Daniel Clark.

Schools on Franklin Street.—Messrs. Hall and Rockwell.

Schools on Lincoln Street.—Messrs. Hunt and Hall.

Schools on Lowell Street, in Intermediate Building, and Bakersville.—Messrs. Murray and Daniel Clark.

Training School.—Messrs. F. G. Clark and Daniel Clark.

Suburban Schools Nos. 4, 5, 6 and 9.—Messrs. F. G. Clark and Murray.

Schools in Piscataquog.—Messrs. Rockwell and Colby.

Schools in Amoskeag, on Blodgett Street, and Suburban School No. 1.—Messrs. Colby and Burnham.

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NOTE.—Mr. Kennedy was appointed upon each of the committees where Mr. F. G. Clark served before his resignation, and also sub-committee on the Bakersville school.

## REPORT OF SCHOOL COMMITTEE.

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*To the City Council of the City of Manchester :*

The School Committee of 1873 submit the following report :

The Board has maintained forty-five regular day schools of the various grades, having an average daily attendance of twenty-two hundred and eighty-four pupils, and requiring the services of sixty-nine teachers, as the average number.

The total cost of these schools, as will appear in the Treasurer's accounts, has been forty-nine thousand sixty-two dollars and seventeen cents, expended as follows :

For Teaching, . . . . .	\$36,451 58	
Fuel, . . . . .	5,676 69	
Care of rooms, . . . . .	2,462 90	
Books and stationery, . . . . .	533 47	
Furniture and supplies, . . . . .	1,376 87	
Printing and advertising, . . . . .	500 42	
Contingent expenses, . . . . .	2,060 24	
		————— \$49,062 17

The item of \$5,676.73, charged to account of fuel, includes the purchase of 409 tons of coal by the committee, and charged to schools, but of which a part was delivered to and has been consumed in other departments of the city. A proper rendering of the fuel account of the schools would be as follows :

DR.

Estimated value of fuel on hand from		
1872, . . . . .	\$1,000	00
Purchases of 1873, . . . . .	5,676	73
	<u>        </u>	\$6,676 73

CR.

Amount transferred other accounts,	\$609	37
“        “        Evening schools,	200	00
“        on hand, (200 tons at \$9.62),	1,924	00
	<u>        </u>	\$2,733 37
		<u>        </u>
		\$3,943 36

Leaving the sum of \$3,943.36 as properly chargeable to the schools of 1873, instead of \$5,676.73. This will reduce the actual cost of schools for the year to \$47,328.80.

The funds for the support of the schools for the year have been derived as follows :

From balance from 1872, . . . . .	\$34	96
Appropriation, . . . . .	47,800	00
Tuitions received, . . . . .	266	00
	<u>        </u>	\$48,100 96

Deducting the expenses as above, there remains a balance of \$772.16.

An appropriation of \$1,500.00 was made for the evening schools, and there was a balance on hand from 1872, of \$379.31 ; total, \$1,879.31. The expense of evening schools for 1873 is \$1,723.87 ; balance on hand, \$255.44.

Extensive repairs and alterations have been made upon school-houses, the expense of which has been charged to another appropriation.

Attention was called early in the year to the fact that the outer doors of nearly every school-house in the city swung



inward. They have all been changed so as to open outward, and any apprehension of danger from that source, in case of fire or panic, is now removed.

The average daily attendance upon our schools, as stated above, has been 2,284; the average number "belonging" has been 2,450. Adding to this the estimated difference between the average number and the whole number, we find there have been 3,779 scholars, in all, connected with the schools the past year. This is an increase over last year, but still the showing is unsatisfactory, as all such statistics will be until we are able to reach every child in the city, of school age. We ought to be able to give the exact *non-attendance*, to report upon the growing ignorance of the town, as well as upon its education. As it is, we do not know how many children are kept at work, defrauded of their privileges, or how many are in private schools. Nor can these facts be known until we are furnished with an accurate census of children in the city, and the authority is given us to seek them out wherever they are.

The increase in daily attendance over last year is 174; the average number belonging is 172 greater, and the total number appears to be increased 279. This may be attributed, in part, to the growth of the city, and also to the faithful labors of the Truant Officer, which have largely contributed to the result.

The ratio of the number of teachers employed to the daily attendance, is as 1 to 33. This will sufficiently indicate that all our teachers have been well employed. Indeed, some, with much larger schools, have been overworked, and have required assistance. We have been unable to prevent the overcrowding of rooms in some parts of the city, and teacher and pupil have alike suffered in consequence. The section most pressed for room, is that lying south of Manchester street and east of Elm. The houses within these limits have all been full, and temporary schools have been

kept a portion of the year in ward rooms on Park and Spruce streets. Upon the completion of the new house on Ash street, such transfers may be made as will relieve this district for a time. The increasing population in the southern section of the city in the vicinity of the jail, and on the new streets to the east of that point, cannot now be accommodated nearer than Franklin or Merrimack streets, too far for small children, and a new house will be demanded for their use at no distant day.

In the old High-school building on Lowell street, we have had employed from four to eight teachers five evenings in each week since the beginning of October. In November we opened an evening school in 'Squog, where the immediate and very large attendance indicated a want long unsupplied. Two hundred and eleven persons, in age varying from fifteen to forty years, have attended these schools, whose earnest and continued efforts to learn have been the subject of much interest and gratification to the Board.

In October, an evening drawing school was opened, and has been continued since with marked success. The attendance has been large and steady, composed mainly of the class for whose benefit it was specially opened—the mechanic and the artisan. Their testimony will be our best argument, if any is needed, for the establishment and maintenance of this school.

We renew the recommendation of the committee of last year, that the old High-school house on Lowell street be remodeled by raising the roof and providing larger rooms for the use of evening schools.

It has been customary for committees in their annual reports to speak of the teachers of the city and their work, in commendation or otherwise, and sometimes to comment upon particular schools. The Superintendent has taken occasion, in his report, to speak more fully than usual of the

condition of the several schools and their relative merits, and we have not space to add to his remarks. We would not forbear, however, to praise, if faithful teachers would be rewarded thereby, nor the reverse, if necessary to convince any that we know the difference between good schools and poor.

The Training school has been in successful operation for the year, and from it we have generally taken such female teachers as were required to fill vacancies, and to act as substitutes. This institution has become a most valuable auxiliary in the conduct of our schools. We have not expected that it would invariably turn out good teachers. Strong beams cannot be hewn out of weak timber, and *trained* teachers are not always skilled teachers. Very much is expected of our Training school, and rightly so; it is regarded as a model in its management and methods.

There are two uses to which Training and Normal schools have sometimes been put, which should not be copied here. The one is, attempting to *educate* incompetent candidates instead of *training* a natural taste and ability to teach. Let it be understood that the establishment of this school makes it no easier for an incompetent person to find a place as teacher in this city. The other is, constant *experiment* upon teacher and pupil—making it a mere testing-place for the original and borrowed theories of ambitious school men, to the confusion and disgust of good teachers, and the spoiling of bright scholars.

The High school has registered 208 scholars at one time during the past year, and the average attendance has been 150, larger numbers than ever before reported. A larger number have entered from the Grammar schools.

We believe our people mistake in pushing children into this school too early. The High school should not be entered until the scholar is able, physically and mentally, to begin and maintain the hard, exacting work of a *student*.

The High school is assuming year by year a greater importance, calling for more care and labor from its teachers, and more interest on the part of the committee. With full numbers and ample equipment, its results should be commensurate with its high place among our schools. We look to see its standard for scholarship kept high, and its tone unmistakable on the side of sound morals and correct training.

Last year, all the schools, except the High, were put upon a revised course of study. It is too early to report upon the value of all the changes then introduced. Upon some points, however, we may speak with confidence, from the experience of the year. A place was given in the course for the study of *language*, as distinct from grammar, as now taught. Throughout the grades, daily practice is now had in the correct use of words, sentences, capitals, and punctuation, upon the principle that the best knowledge of anything comes from the *use* of it. The plan seems to be a practical one. Language becomes to the scholar "an *instrument* for practical use, and not an *object* to be dissected and examined for other purposes." The work is somewhat akin to the drill of a printing office, where a boy *handles* words, puts them together, pulls them in pieces, and corrects his errors with such painstaking that he is not likely to commit the same again; and every printer knows that a year at the compositor's case is worth three in the schools, for practical instruction in grammar, or "the art of speaking and writing a language correctly." Technical grammar is now begun in the higher divisions of the grammar schools: perhaps it might be well to postpone that study still further in the course.

A new arrangement of studies for the High school has now been prepared, intended to go into operation the next term. It embraces three distinct courses: a classical course of four years, a course in English alone, of three years, and a four year's course in English, French and drawing.

Much care has been bestowed upon the latter, to make it a complete and satisfactory course for those who seek a good English education. Drawing, free hand and mechanical, with its application to design and some of the industrial arts, has been made a prominent feature in it. A more extended study of Physiology and Hygiene, and Mental and Moral Philosophy, are introduced, for the benefit of young women who may become our future teachers, that they may not be, like some who have gone before them, ignorant of the laws of health, and of the orderly processes of physical and mental growth which make study safe and profitable for our children.

No duty of the school officer demands his earnest and conscientious thought like that of determining what and how children shall be taught. Education in its best sense means so much that it becomes a serious matter to define its methods and fix its bounds.

In the consideration of such matters, we have tried to apply this test: Will this proposed change or this new method be the best, on the whole, for *all* the two or three thousand children in these schools, for rich and poor, for feeble and strong, for the boys and girls who may have ten years to study in, and those who can have but five? For instance, shall we shorten the hours of school throughout the city? We may thus satisfy one class, but should we not defraud another and much larger class? One hour a day for a school year is eight weeks of time. In five years it amounts to a year's schooling. The one child, favored of fortune, may spare this, but is it just to take it from the ninety and nine who can have but five years in all?

Again, are our schools destroying the health of children? Before we decide, we ask the further questions: Are the majority injured, or the few, and is the mischief all done in the school-room? We admit the existence of evils, but the accountability rests not wholly with us. We are not

the only "educators;" we but share the responsibility with the whole people. The well-being of the child depends upon *education* and not upon schooling alone. And education, according to Webster, is "bringing up;" it means "instruction, tuition, nurture, breeding." It is marvelous that fathers and mothers do not better recognize the part they themselves should bear in the education of their children. It is in their own keeping. No rule of ours requires a father to keep his boy in school when he ought to be out; no requirement which we have made obliges a mother to keep a daughter at brain-work at times when she knows the body has other uses for all its reserve force. There is no place in our course of study for dissipation. It does not ask that children attempt to serve the mammon of society and at the same time to obey the high behests of education. It recognizes study as a leisurely process, and assumes that outside of the school "physical work and regimen shall be so apportioned, that repair shall exceed waste, and a margin be left for development."

We are satisfied that very little of the common criticism upon these matters is based upon a knowledge of the actual requirements in our schools. It is true, thorough work is still required there; but many changes have been introduced, tending to make our system more flexible. The time of actual study has been reduced; study out of school is not required nor advised by teachers in the lower grades; punishments affecting health are prohibited, physical exercises encouraged, recesses multiplied, and promotions so provided for, that the scholar may more readily advance, fall back, or rest, without disturbing the harmony of the school, or affecting the progress of his fellow-pupil. Attention is directed to facts in this connection, presented by the Superintendent, which may be new to some of our people.

In our review of the condition of the schools, we find

them to be systematic, thorough and strong in all that pertains to the purely intellectual progress of their pupils. Our children have been developed along this line, until they are as quick, and sharp, and "forward" as can be desired. Yet it is quite possible that labor has been bestowed in this direction to the neglect of some other good things. Attention to morals and manners used to be a requirement in the school. The typical youth of to-day gives little evidence that such things are known in the modern school. We miss in him some very precious things which mark the well-bred youth; gentle manners, reverence for men and women, deference to age, and respect for the wisdom and authority of his elders. The public school is rearing better scholars; let it be kept steadily to that other work, which is equally its province, the maturing of better men and women.

M. P. HALL, *for the Committee.*

MANCHESTER, Jan. 2, 1874. .





## SUPERINTENDENT'S REPORT.

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*Gentlemen of the School Committee :*

I submit the following, as the Nineteenth Annual Report of the Superintendent of Public Instruction of this city.

More teachers have been employed than in previous years ; the average attendance has been greater.

In former years the whole number of pupils registered was given only approximately, owing to the great difficulty experienced in ascertaining the exact number. The whole number, as reported from the different schools each year, is in the aggregate a much larger number than are actually enrolled, as many are registered at several different schools. This year the registers have been consulted to ascertain who were members of different schools, and the whole number is given correctly, or as nearly so as possible.

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### SCHOOL STATISTICS FOR 1873.

1. Whole number of boys attending not less than two weeks . . . . .	1,964
2. Whole number of girls attending not less than two weeks . . . . .	1,815
3. Whole number of pupils attending not less than two weeks . . . . .	3,779
4. Average number pupils belonging to the schools . . . . .	2,450

5. Average daily attendance . . . . .	2,284
6. Number of visits by members of School Board . . . . .	400
7. Number of visits by Superintendent . . . . .	1,165
8. Number of visits by citizens and others . . . . .	3,419
9. Salary of Principal of High School . . . . .	\$2,000
10. Salary of First and Second Assistant in the High School . . . . .	800
11. Salary of Principal of Grammar Schools . . . . .	1,500
12. Salary of Principal of Training School, Higher Department . . . . .	600
13. Salary of Principal of Training School, Primary Department . . . . .	500
14. Salaries of Assistants in Grammar Schools and Middle and Primary School Teachers, first year . . . . .	350
Second year . . . . .	375
Third year . . . . .	400
Fourth year and subsequently . . . . .	450
15. Number of weeks in school year . . . . .	40
16. Number of schools . . . . .	45
17. Number of teachers (average number for the year) . . . . .	69
18. School appropriation . . . . .	47,800
19. Appropriation for Evening Schools . . . . .	1,500
20. Appropriation for repairs of school buildings, . . . . .	6,000
21. Appropriation for new school building . . . . .	30,000
22. Number of school buildings in use . . . . .	21
23. Whole number of school-rooms . . . . .	67
24. Whole number of sittings . . . . .	3,087
25. Number graduated from High School . . . . .	27
26. Number admitted to High School from other schools in the city	
in July . . . . .	105
In December . . . . .	18

At the beginning of the year there were forty-three schools, with sixty-nine teachers, viz.: one High school with four teachers, one Intermediate school with two teachers, one Training school with four teachers, the three principal Grammar schools in the city proper with eighteen teachers, the Piscataquog Grammar school with three teachers, the Amoskeag Grammar school with one teacher, six Middle schools with one teacher each, fourteen Primary schools in the city proper, five Primary schools in Piscataquog, and two Primary schools in Amoskeag, with one teacher each; the schools at Bakersville and Hallsville with two teachers each, and six other suburban schools with one teacher each. An assistant was employed in one of the Primary schools in Piscataquog a part of the Spring term; a school was kept in Ward 5 Ward-room six weeks of the Spring term; another school was opened in May in Ward 6 Ward-room, which was in session till December 5th.

The Primary school in the old house at Amoskeag was discontinued at the close of the Summer term.

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### NAMES OF TEACHERS.

The following list contains the names of those teachers who have served in the different schools of the city within the past year:

#### HIGH SCHOOL—BEECH STREET.

Principal—William W. Colburn.

Assistant—Mary E. Clough.

“ Lucretia E. Manahan.

“ Emma J. Ela.

“ Mary A. Buzzell; 1 term.

## INTERMEDIATE SCHOOL—MANCHESTER STREET.

Principal—Alfred S. Hall; 2 terms.

“ Sylvester Brown; 1 term.

Assistant—Abbie S. McClintock.

## TRAINING SCHOOL—MERRIMACK STREET.

Principal Higher Department—Nancy S. Bunton.

Assistant “ “ Mintie C. Edgerly

Principal Primary Department—Martha N. Mason.

Assistant “ “ Anna O. Heath.

## SPRING-STREET GRAMMAR SCHOOL.

Principal—William E. Buck.

Assistant—Anstrice G. Flanders.

“ Sarah J. Greene.

“ Lizzie S. Campbell.

“ Mary A. Buzzell; 2 terms.

## FRANKLIN-STREET GRAMMAR SCHOOL.

Principal—Daniel A. Clifford.

Assistant—Mary F. Dana.

“ Lottie R. Adams; 2 terms.

“ Carrie E. Reid.

“ Josie A. Boshier; 1 term.

## LINCOLN-STREET SCHOOL.

Principal—Benjamin F. Dame.

Assistant—Lizzie H. Patterson.

“ Julia A. Baker.

“ Mary J. Fife.



- No. 6, Wilson Hill.—Abbie E. Abbott.
- “ 7, Wilson Hill.—Emma H. Perley.
- “ 8, Lowell Street.—Elvira S. Prior.
- “ 9, Manchester Street.—Helen M. Morill ; 1 term.  
Clara N. Brown ; 2 terms.
- “ 10, Manchester Street.—Nellie Pearson.
- “ 11, Franklin Street.—E. Jennie Campbell.
- “ 12, Franklin Street.—Martha W. Hubbard.
- “ 13, Spring Street.—Emma A. Cross.
- “ 14, Spring Street.—Gertrude W. Borden ; 1 term.  
Nellie M. Whitney ; 2 terms.
- “ 15, North Main Street.—Sarah D. Lord ; 1 term.  
Ida F. Gee ; 2 terms.  
Augusta S. Downs ; Assistant,  
part of one term.
- “ 16, North Main Street.—Celia M. Chase.
- “ 17, South Main Street.—Alice G. Lord.
- “ 18, Amoskeag.—Kate E. Joy ; 2 terms. This school  
was discontinued at the close of the  
summer term.
- “ 19, Amoskeag.—Nellie E. Tappan.
- “ 20, South Main Street.—Clara N. Brown ; 1 term.  
Sarah D. Lord ; 2 terms.
- “ 21, North Main Street.—Ella F. Salisbury.  
Ward 6 Ward-room.—Asa L. Platt.  
Ward 5 Ward-room.—Estella N. Howlett. This school  
was in session during a portion of the spring term only,  
and the attendance is reported in connection with other  
Primary schools.

## SUBURBAN SCHOOLS.

- No. 1, Stark District.—Nellie M. Cate.
- “ 3, Bakersville.—Principal, Addie M. Chase.  
Assistant, Addie A. Marshall ; 1 term.  
“ Cleora E. Bailey ; 2 terms.

- No. 4, Goffe's Falls.—Georgie A. Nute ; 1 term.  
 Belle D. Cory ; 1 term.  
 Edward P. Sherburne ; 1 term.
- “ 5, Harvey District.—Sylvester Brown ; 1 term.  
 Olive J. Randall ; 2 terms.
- “ 6, Webster's Mills.—Mary J. Reid ; 1 term.  
 Helen M. Locke ; 2 terms.
- “ 7, Hallsville.—Principal, Maria H. Hildreth.  
 Assistant, Mary B. Lane ; 2 terms.
- “ 8, Youngsville.—Marinna Waite ; 2 terms.  
 N. Amanda Wyman ; 1 term.
- “ Mosquito Pond.—Etta M. Geore ; 2 terms.  
 S. Isetta Locke ; 1 term.

## MUSIC TEACHER.

J. J. Kimball.

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 HIGH SCHOOL.

This school, at the beginning of the year, numbered 145, from which number it did not vary much for the first two terms. The whole number enrolled the fall term was 207, a larger number than ever before attending. An unusually large class entered at the beginning of the fall term, rendering it necessary to employ an additional teacher.

Probably the whole of the building will soon be needed for the accommodation of the High school, in which case the primary schools now in the building can be transferred to the new building on Bridge street. The classes now in the Grammar schools, intending to enter the High school, are quite large, and in all probability the action of the board in deciding to admit twice a year will have the effect of increasing the number of admissions, and if so, six teachers will be needed in the High school.

## INTERMEDIATE SCHOOL.

This is one of the most useful schools in the city, as it affords an opportunity for those who, from various causes, are unable to pursue a regular course of study in any of the graded schools, to become familiar with some of the common branches. At the present time, when there are so many who have been discharged from the mills, it would be well to establish another school similar in character to this, which should be composed of pupils from eight to fourteen years of age, who are no further advanced than pupils in primary schools. Such pupils, on account of their age and size, ought not to be in a school with children five or six years of age; they will not remain in school long enough to pursue an extended course, and could work better in a school by themselves.

## TRAINING SCHOOL.

The reports of the past four years have each noticed the workings of this school. Until this year the primary department was in the Intermediate building, the higher department in the Merrimack street building.

One year ago the following votes were passed by the School Committee:

First.—“That two departments for the the training of teachers be established in the Merrimack-street building, one on the second floor to be known as the *Higher Department of the Training School*, and one on the lower floor to be known as the *Primary Department of the Training School*.”

Second.—“That the *Principal* of the *Higher Department* shall have charge of the order in the yards and building, the general supervision and instruction of the teachers, and the order, discipline and instruction in the rooms of her department.”

Third.—“That the *Principal* of the *Primary Department* shall assist in the maintenance of order in the halls and yards of the building, and in the supervision and instruction of the teachers, and shall have the charge of the order, discipline and instruction in the rooms of her department.”



This arrangement went into effect at the beginning of the winter term. There have been no special regulations for the government of the school, but it has been conducted as has been deemed best for its interests.

Young ladies—graduates of the high school, and sometimes others—have been admitted to the school with the understanding that they were to remain six months without pay, then be assigned to such schools as the committee might determine. Previous to this year, the changes in the corps of teachers were so frequent that many were taken from the training-school who had been there but a few weeks, but this year there has not been that necessity of calling upon this school for teachers to fill vacancies, so that some have remained the full six months.

The number of pupils in this school has been so large as to require the services of more than one teacher in each room, so that assistant teachers would have been required had there not been several sub-teachers in the school.

With the large number of pupils and classes, the school has not been able to accomplish so much as it would had the rooms been graded like other Primary and Middle schools, but no pupils have been slighted on account of the large number of classes, as with the large number of sub-teachers considerable attention could be given to each class. The afternoon sessions are of two hours continuance. After the school is dismissed the regular teachers and sub-teachers assemble in one of the rooms, where the work of the day in the various rooms is reported and criticisms made, the work for the next day planned, and such topics considered as are suggested from time to time. These sessions are as important and valuable as any part of the school work, and are of great benefit to those preparing for teachers. On account of the large number of primary children in the section where the school is located, many of those belonging to the middle-school grade have been transferred to the Lincoln-street building.

The Training-school building should be re-arranged so as to provide for six rooms, or a building of two rooms erected on the Spruce-street lot.

#### GRAMMAR SCHOOLS.

There has been no change of teachers in the Lincoln-street school. On account of a lack of school accommodations in the northeast part of the city, more than scholars enough for four divisions of a grammar school are obliged to attend this school; hence, the school has not just the required number of grammar or middle school divisions, but the divisions are working harmoniously, the progress of no pupil being impeded by the arrangement of the school. At present there are five divisions, composed entirely of pupils qualified to be in a grammar school; the sixth division is composed partly of grammar school and partly of middle school pupils, the seventh is a middle school, the eighth partly middle and partly primary. The school to be established on Bridge street will draw some pupils from this school. Probably enough will remain to form five divisions of a grammar school and two middle schools, leaving one room for a primary.

In the Spring-street school there have been no changes in the corps of teachers of the four regular divisions. An additional teacher was employed for two terms. For several years previous to 1871 the frequent changes of teachers in this school retarded its progress, but now it is a gratifying fact that the school retains its teachers for a great length of time.

In 1867 there were seven different teachers, five in 1868, nine in 1869. The present principal of the school has been in the position four years, two of the assistants three years, the other assistant two years. During the years in which the frequent changes occurred there were many ex-

cellent teachers employed, but as classes in some of the divisions had four or five different teachers in one year, it was impossible to keep the school in good condition, and teachers were unnecessarily blamed. The school at present maintains a high rank. The efficiency of the school is the result of persevering labor on the part of the teachers. There are no *hobbies* in the school, no particular effort to make the school appear brilliant, and it does not appear as well to a stranger as some others, but one who visits the school from day to day becomes convinced of the thoroughness of the instruction given there.

At the Franklin-street school there have been several changes. One year ago Mr. Heath, for nearly seven years principal of this school, resigned; at the same time Miss Manahan, first assistant, was transferred to the High school. Miss Adams, of the third division, was granted leave of absence for the fall term on account of ill health.

With so many changes it could not be expected that the school would maintain its former rank, yet the work of the past year leads us to expect that for the coming year, as the teachers become more familiar with the school, it will regain its former standing.

The school at Piscataquog, called a grammar school, includes the two grades of middle schools, and the third and fourth divisions of the grammar school. The scholars belonging to the first and second divisions of a grammar school have chosen to attend the Franklin-street school, and as their number has been small it has been deemed best they should. They could be accommodated at the Franklin-street school without increasing the number of classes, while the number of classes could be decreased in the Piscataquog school. There are now in the two upper divisions of the Franklin-street school seventeen scholars residing in this ward, so there is not much probability that the Piscataquog school will be kept up to the grade prescribed for Grammar

schools. The lower grade schools in this section are well attended, but only a small proportion remain in the upper grades. At the present time the Piscataquog school numbers about one hundred. Mr. Bennett, for two years principal, resigned at the close of the summer term.

The Amoskeag grammar school has had an average daily attendance of 28 for the year. This school includes all the grades of a grammar school, together with a part of the middle school grade. There has been a change of teachers each term. Some special effort should be made the coming year to improve the condition of this school.

#### MIDDLE SCHOOLS.

There are six of this grade, viz. : one on Blodgett street, one on Lowell street, two on Franklin street, two on Spring street. The school on Wilson Hill, formerly No. 4 Middle school, was changed to a primary upon the opening of the school on Lincoln street, No. 2 on Lowell street was discontinued in 1872, Nos. 5 and 6 on Merrimack street are now a part of the training school. There are two middle schools in the Lincoln-street building, but they are regarded as a part of the grammar school. No. 3, now on Lowell street, will become a part of the new school on Bridge street. Both of the rooms on Blodgett street will soon be needed for primary schools, leaving two middle schools on Franklin street and two on Spring street. It is a question for consideration whether there should be a distinct grade for these schools, or that they should be regarded as a part of the grammar grade. There have been no changes in the teachers of this grade.

#### PRIMARY SCHOOLS.

There have been more changes among the teachers in this grade than elsewhere. Many of the primary schools

have been excessively crowded certain portions of the year, some of them being located in sections where pupils could not well be transferred to other schools. The Ward-rooms on Spruce and Park streets were used for a term. Probably they will be needed next year. Many of the children in these schools do not pass beyond the limits of the primary school, being withdrawn to work in the mills and elsewhere. This is especially true of those who have come from Canada. Some primary schools are composed almost entirely of this class, while the middle schools near them contain but few such, and the grammar schools none.

Many of these children are in school but a few weeks in the year, but generally as fast as one set of scholars leaves a school, another takes its place. In one of the primary schools on Manchester street, with an average daily attendance of 42, there have been 203 registered. Hence much of the additional accommodation will be needed for primary schools.

#### SUBURBAN SCHOOLS.

The school in the Stark District opened one year ago in the new building. There has been considerable interest manifested on the part of many of the parents, which has had a marked effect on the progress of the school. The school is the smallest in the city, the whole number registered being only 26, the average daily attendance 15.

The school at Bakersville has had an average daily attendance of 45. Some of the pupils, residing below Valley street, between Elm and Chestnut, must attend this school unless there is a house built in the vicinity of the County Jail. The Bakersville school will accommodate 70.

The school at Goffe's Falls has been larger than ever before, or at least for a great many years. There has been a change of teachers each term.

The average daily attendance for the year has been 34 ; in 1868, it was 11 ; in 1869, it was 17 ; in 1870, it was 16 ; in 1871, it was 21 ; in 1872, it was 27.

The line between Manchester and Londonderry is but a few rods from the school-house. Several pupils living in Londonderry, only a few rods from the line, have been allowed to attend this school, as their own school in Londonderry is over a mile from their homes. A portion of this town ought to be annexed to Manchester, at least for school purposes, for if the number in the school increases, the pupils from over the line will have to be excluded, which in all probability would deprive them of the benefit of school privileges, as they would not be likely to attend in their own district.

The schools in the Harvey, Webster Mills, Youngsville and Mosquito Pond districts have each had one change of teachers during the year.

The Youngsville school a part of the year has numbered between 40 and 50 ; the other three schools have not been large.

The number of pupils in the Hallsville school has decreased to such an extent that but one teacher is now needed, although the number of classes cannot be reduced much. Whole classes have not left the school, but some from each of them.

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## EVENING SCHOOLS.

These schools have been well attended. So much has been said in previous reports, that no special mention of them is needed at this time, except to express the hope that by another year better accommodations can be provided for them.

## TRUANCY.

Mr. Thayer has been engaged the entire year in looking after absentees and children not attending school. He has proved himself an efficient and zealous officer. Much of his labor is of such a nature that no special report can be made of it. Yet it might be well for him to make some kind of a report to the board, each week or each month, from which report the members could know what the work of the officer had been for the previous week or month.

The number of pupils in the schools has been increased by his efforts, many of those registered have attended more regularly than they otherwise would. Not only those attending the city schools, but many of those in the Catholic schools have been obliged to attend more constantly. We have no authority to compel children to attend any particular school, but we can compel them to attend somewhere.

There are in the Catholic schools 1500 children of whom no report is made, and as people in other cities read the reports of the schools of this city and notice that our population is 25,000, that there are at least 5,500 children of school ages in the city, but only 2,800 at any one time in school, and 3,779 the whole number registered for a year, they are led to think that a large number do not attend school, and our statistics make a poorer show than is made in many cities where there is no truant officer. Hence when we say that our truant law is successful, others say there are from 1,000 to 2,000 children not enrolled in the schools. Some of these scholars are in school a great part of the year.

I call attention to these facts as people in other cities have criticised our truant law, using the figures appearing in Manchester reports as an argument against compulsory education.

## EMPLOYMENT OF CHILDREN IN THE MILLS.

Two hundred and twenty-six certificates have been given this year against four hundred and twenty-one last year. Probably as many children have been employed this year as last, but it is evident that more have obtained employment without attending school the required time. It remains to be decided what shall be done in relation to this matter.

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## ATTENDANCE AT SCHOOL.

The average daily attendance has been higher than for many years. No school census has ever been taken, or at least not for many years. The School Committee are required by the laws of the State to make a report each year, stating the number of children between four and fourteen not attending school, but unless some provision is made for taking the school census, such a report certainly cannot be made. This is a subject deserving attention. Probably some arrangement can be made with the assessors so that they can make this enumeration when they take the inventory.

In a great many cities the names of pupils not absent or tardy for a year are published in the annual school report. This has been done here for the past three years, such pupils also receiving testimonials for their punctual attendance. The names are omitted in this report, although the testimonials have been awarded.

These testimonials are doubtless pleasing to the recipients, and have a tendency to increase the percentage of attendance. Quite a number are punctual at school because they hope to obtain this; many are thus induced to attend constantly who otherwise would be absent a great



deal; but on the other hand it frequently induces some to attend when they really should be at home, thus endangering their health. Should such ones lose the testimonial after all their efforts they become disheartened. It is well to urge all to attend as constantly as possible, consistent with their health, and notice should be taken of those who make extraordinary exertions to be in school; but no child should be urged to attend at the risk of his health.

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### STUDIES.

The course of study revised and adopted last year for all grades below the High school is working well. Good results have been obtained in the Study of Language in the Middle and some of the Primary schools. In some of these schools pupils can write as correctly as some classes that formerly left the Grammar school for the High school. The text-book on grammar is prescribed for the first class of the second division of Grammar schools, but it would be better were it not used in that division.

Drawing has received considerable attention: as much time has been devoted to it as it ought to receive each year. As it has not been one of the prescribed studies a great while, there may be danger that too much time will be given to it for the present, as it is difficult to tell just what is needed in this department. A part of the Spring term a special teacher of drawing was employed. Many of the teachers have attended the evening Drawing school.

At the close of the Summer term it was decided to have an exhibition of drawings from the various schools. In order to show the average work of the schools rather than to make an exhibition of the best drawings, it was decided that each school contribute drawings to represent the individual work of at least three-fourths of its members. To

prevent any competition among the schools, it was decided that no name appear on the face of any drawing, but that the drawings from the same grade of schools be placed together, the name of each pupil being on the back of each slate or paper.

There were about 2,500 different drawings on exhibition, including slates from primary schools, books from middle schools, books and drawings on paper from the grammar schools, and miscellaneous work from the high school. The drawings were placed in the High-school lecture-room, the room being open Wednesday and Thursday, July 2 and 3. Over 2,000 people visited the room during that time. Many were then convinced of the practicability of introducing this study into all grades of schools. Previous to the exhibition it had been the opinion of some that only a few could be benefited by pursuing this branch, but at that time it became evident that it could be taught like other studies.

In this connection it may not be deemed inappropriate to quote from the daily papers concerning the exhibition :

*From the Daily Union of July 3, 1873.*

THE EXHIBITION OF DRAWINGS.—This exhibition, which is a novel feature in the public exercises of our schools, is an entire success. The work of preparing the High-school lecture-room for the reception of the drawings, and the labor of their arrangement and classification, was completed yesterday, by the Superintendent and teachers, and the room was opened to the public last evening.

Some of the productions were very good, others very bad, and this evident sincerity made one of the principal charms of the exhibition: it was evidently a pretty fair average of the every-day work of the schools. Of course very few of the drawings had names affixed; the absence of the names to the Grammar-school productions was particularly noticeable, though it seems to us their productions compared very favorably with those of the High school.

We contend that music and drawing are more essentially gifts.

than are most other branches of study, yet that much can be done for the development of latent talent is every day being proved in schools.

The science of drawing has, until very recently, received but little attention in our schools, no teacher having been employed in that branch until within a short time, and even now the study is made a recreation rather than a task.

Should the exhibitions occur annually, as we trust they may, the progress will be very marked. It must be remembered that there are no pupils who have passed through a regular course in drawing.

The room was crowded all of the evening, and feelings of satisfaction found unanimous expression. So great was the interest felt, and so many people were present, that it has been decided to keep the room open during the day and evening.

*From the Daily Mirror of July 5, 1873.*

THE ART EXHIBITION OF THE SCHOOLS.—For the exhibition of drawings in the High-school lecture-room Wednesday and Thursday of this week, we hear none but words of praise on all sides. It was intended to be, and actually was, an illustration of what the schools have been doing of late in this department. Contributions representing three-fourths of the scholars were sent in from substantially all the schools, which amounted to nearly twenty-five hundred. They were arranged with a good deal of care on the walls of the room and on temporary frames, and occupied about all the available space. The room was decorated also with flowers and evergreens, and the whole presented an appearance at once attractive and instructive to all who are interested in the life of the schools. The drawings represented all ages and all grades, from the straight lines and numerals of some of the Primary scholars to the more elaborate efforts of the High school and those which adorn the teachers' table. All sorts of things were the subjects chosen—dogs, cats, horses, cows, vases, landscapes, the human face and figure, etc., etc. The punctuation points, the Roman and Arabic numerals, the musical staff with notes and music, some of which latter were original, were displayed, so that it is at once seen that this was no collection of the show-pictures of the term, but an honest exposition of what had been accomplished under the present drawing system.

If one chanced to notice on the north wall two heads of oxen, he

must have been struck by the remarkable fidelity to nature which they showed, and he would have been surprised to learn that they were made by one of the Primary scholars, a boy eight years old. Of course among the twenty-five hundred drawings there were some which bore traces of a taste and capabilities for art, which are thus entitled to appreciative criticism. But, after all, to our mind, on the slates on which the unskillful fingers of the Primary scholars had put here an intended straight line and there a precise Roman letter, whose surfaces had been rubbed and re-rubbed in the effort to coax an obstinate line into the perpendicular or curve, was to be read the lesson of it all. We do not understand that the object of this drill is to enable one to put into his parlor pictures made by his own hands, or to raise a corps of artists, but that the education of the eye and hand is the aim and end, and, we believe, the result of it. The teachers who have directed the fingers of the scholars over their papers and slates, and who have, with the Superintendent and others, done considerable work in the arrangement of the drawings, have their reward in that result.

The committee had the hearty coöperation of most of the teachers, many of whom spent a great deal of time in arranging the room and the drawings. This is an important branch of study, yet care should be exercised lest we give to it the time that belongs to other branches.

The High school course of study is now undergoing a thorough revision. There is much discussion and no little difficulty in determining what should be incorporated in such a course. Some contend that a great deal of attention should be given to the classics; some insist that mathematics should be made the most prominent; others, that among the studies the sciences are the most important; some would have the pupils spend most of their time in reviewing the studies of previous grades; some insist that music, drawing, and modern languages should receive more attention; some demand that the studies should be mostly of a disciplinary character, while others insist that only practical studies should be pursued.

There are those who think the High school should be

mainly for the benefit of boys fitting for college, while there are those who say that the city should not sustain such a school; that boys ought not to be fitted for college at the public expense.

Amid all these conflicting views we are called to decide what shall be the course of study pursued in a school composed of children representing all these classes. All cities do not require the same course. In some places a large proportion of the graduates of the Grammar school pass through the High school and enter college, while in Manchester not one in twenty-five from the Grammar schools will do it. With this in view it is desirable that our schools be so graded, the studies so arranged, that parents will not feel compelled to withdraw their children from school because the studies are not suited to them. Our schools are for no special class, but for the whole community, and the studies should be adapted to the wants of all classes.

It is charged that, although the common schools are supported by all classes, much that is taught in them is of no benefit to many after they leave the schools.

There is a demand for practical studies, but what are regarded as *practical* by one person are not so regarded by another.

In the High school there should be an opportunity the last year of the course to review the studies of the Grammar schools. After two or three years in the High school the pupils can review arithmetic, geography, grammar and history with advantage. Many of the principles not clearly understood in the Grammar schools can then be made clear.

Mechanical drawing might be taught in a manner that would be of essential benefit to many young men in this city who are intending to engage in industrial pursuits.

Surveying ought to have a place in the course, and some knowledge of book-keeping should be obtained there.

There should be a definite course of instruction in English language and literature.

Physiology should receive more attention in the schools than formerly. It has been studied the last year in the Grammar school, but it should be studied more thoroughly in the latter part of the High-school course. Most of the teachers in this city are graduates of this school. If two thousand children, annually, are to be intrusted to the care of the graduates of this school, it seems that Physiology should be well taught there.

It may be said that we cannot, in this school, undertake to qualify teachers for their work, any more than those of other pursuits, but the State claims to have jurisdiction over the education of the children. If the State has the right to tax people to build school-houses, employ teachers, and compel children to attend school, it ought to see to it that those who are to be teachers should have an opportunity to become familiar with those things which are of such vast importance to the youth in the schools. Not only those who intend to teach, but all who pass through the schools, ought to pay special attention to this subject, even if they are obliged to neglect some other studies. A familiarity with the laws of health is of more consequence than a knowledge of the classics or the sciences.

A teacher is needed in the High school to take charge of the natural sciences and some of the other studies. The increased number of pupils will necessitate the employment of additional teachers, but if a much larger number of pupils can receive the benefit of a High-school course of study, it will prove a good investment. Let it be understood that the school is for the benefit of *all* classes rather than for the education of a few in some special departments.

## EXAMINATIONS AND PROMOTIONS.

For the past five years promotions have been made regularly twice each year in all grades below the High school. This has been satisfactory, until recently, as so many have left before reaching the highest divisions of the Grammar school that the first divisions have not been filled. At the present time so many are preparing for the High school that some of the upper divisions of the Grammar schools are becoming crowded, and promotions to the High school should be made twice a year.

Some of the reasons in favor of admitting twice a year to the High school can be readily given.

At the annual examinations for admission to the High school, many pupils are nearly, but not quite, prepared. They can prepare themselves in six months, and it seems an act of injustice to compel them to remain a whole year in the Grammar school. Examinations cannot be so rigid where promotions are made but once a year, as all committees dislike to say to the pupils that they must remain a year to do the work of six months. Some of the pupils on being refused admittance to the High school, become discouraged by failure so nearly approaching success, and leave school.

After pupils are admitted to the High school it frequently happens that many have occasion to be absent considerably, by reason of sickness and other causes, sometimes being out a whole term. On their return to school they must do extra work in order to keep with their classes, take a partial course, or fall back a full year, and as a result many of them leave school, thereby losing the benefit of two or three years of study. If they were to lose but six months the case would be different.

There are also pupils who, from inattention to their studies or absence from school for insufficient reasons, are

unable to retain their standing in their classes. They deserve to lose their standing, but a six months' loss is sufficient for them.

There is no doubt that from twenty to forty per cent. more will enter the school under the new arrangement, and that more of those admitted will remain.

It has been charged against the graded system of schools, that the classification is so rigid as to render it impossible for a scholar to move faster than the class, regardless of his ability or willingness to work. It has been the aim in our schools to arrange the studies and classes so that pupils disposed to do extra work, or having the ability to do more than the other members of the class, could secure extra promotions, and such promotions are often made.

It frequently happens that pupils enter our schools who, on account of a lack of school privileges, are backward, for which reason they are obliged to enter one of the lower divisions where the children are younger than themselves. Others on account of sickness enter the lower divisions, while those of their own age are in the higher divisions. Soon many of these pupils, some of whom possess marked ability, outstrip their classmates, and it would be an act of injustice to compel them to remain behind. There are others who cannot, as the teachers well know, remain long in school. There are some studies in the higher grades to which they ought to give some attention, and these should be promoted even if they are no better scholars than some others who are intending to complete the full course.

The work for the schools below the High school is so arranged that it can be done in school, but if any desire to advance more rapidly they can study at home, thus sometimes securing extra promotions. In such cases the parents, not the teachers, are responsible for the extra work.

Sometimes a pupil is deficient in some branch, and fails to pass an examination. He cannot understand the subject,



although he may devote terms to it. If such a pupil is kept in the lower grades, he makes but little progress and wastes his time. There are pupils in all schools who in some study are naturally deficient, and if there is a rigid standard to which all must be held, some could not enter the higher divisions after years of study. It is sometimes said in reply to this, that such pupils might as well spend four years in the fourth division of the Grammar school, as to enter the higher divisions at the end of one, two or three years ; that the standard of admission should not be changed for the benefit of any whom Nature has not furnished with sufficient capacity to qualify themselves for promotion.

These are exceptional cases, and their promotions must be made out of the ordinary course, but it is hard to say that they shall not be promoted until they can attain a certain per cent. in their examinations, as sometimes such pupils upon commencing new studies work earnestly, seeming to understand the subject well. Some who are deficient in some branches, excel in others.

It may be urged that the promotion of such scholars, not so well qualified as others, two, three or five years younger than themselves, has a bad effect upon the lower classes, leading some to believe that they will obtain promotions whether qualified or not. No theory or plan in regard to promotions can be laid down, which can be followed to the letter. Sound judgment and good sense are necessary qualifications in the teacher, who can tell better than examining committees whether or not the pupil deserves promotion. The members of the class left behind must understand why others are promoted and they obliged to remain.

The plan of individual promotion has worked well in many cases. To show its effects let us consider a few cases. In January, 1871, a class of thirteen went from one of our middle schools to the fourth division of a Grammar school.

They have just completed three years in the Grammar school. Three have left the city or have ceased to attend school, the others have attended quite constantly, more constantly than the average of classes.

Of the number remaining, one is now in the first class of the first division, three in the second class of the first division, three in the first class of the second division, two in the second class of the second division, and one in the first class of the third division.

In the first class of the first division of one of our Grammar schools, three of the members entered the fourth division in January, 1869, six in September, 1869, one in April, 1870, one in January, 1871; these eleven went directly from the Middle schools to the Grammar schools; the other members have come from other places, entering the various divisions from time to time.

Of the members of the classes above mentioned; none have been pushed, none have been kept back. It is an average of what classes will do while attending regularly. One scholar entered the fourth division of a Grammar school one year ago and is now in the first division, doing in one year the work prescribed for three; there are others who have been two years in one division. We cannot be charged with having such a cast-iron system as to repress the ambition of one anxious to succeed. Let other places continue the plan of promoting by classes. We ought to adhere to our plan.

There have been no public examinations. I have endeavored to visit the schools as frequently as possible, to ascertain the standing of the classes, but no days have been set apart when parents and friends should be invited, as it is understood that the schools are at all times open to the inspection of any one, and it is better that the people should witness the regular work of the schools, than a special order of exercises. An examiner wishes to visit the school when

it is not laboring under the influence of any excitement caused by the presence of many visitors.

The High and Grammar schools are accustomed to have exhibitions at the close of the year, when classes graduate, but too much importance is attached to these exercises, too much time taken for them, too much attention diverted from the studies of the school, and too much expense incurred.

In my opinion there should be as little interference as possible with the regular school duties. There should be no exercises which tend to destroy or impair the regularity of school work. It must be borne in mind that all citizens have an equal interest in the schools. When the exercises are properly conducted, and not a great amount of time spent in preparing for them, they are beneficial. Scholars who have studied well for several years in a Grammar or High school, ought to be recognized in some way as they leave the school. Such exercises have a good effect upon the lower classes, but while preparation is made for them the work of the school should not be impeded or pupils over-tasked in the preparation.

#### HEALTH OF CHILDREN AND OVERWORK IN THE SCHOOLS.

So much has been said in former reports upon this subject that it may seem useless to discuss it at this time, but the subject is now engrossing so much attention that it seems necessary to allude to it. In considering the question I must of necessity repeat views expressed in former reports, especially in those of 1867 and 1871.

Four or five hours a day are enough for children entering school at the age of five, and attending constantly thirteen years, the time allowed for the completion of the full course. Such pupils, however, form a small proportion of the number enrolled.

The laws of the State require pupils between the ages

of eight and fourteen to attend school at least twelve weeks each year. There are many who cannot attend more than this. A great many children are sent to school too young, and are injured thereby. It would be better if none were admitted under six years of age. If parents will send their children to school at an earlier age, they must not complain that the children are obliged to do the work required of children a few years older.

We should insist that the work of the school should be done in the school, unless, as has been said, parents insist that their children shall do more. Particular care has been exercised in arranging the studies so that no work should be required out of school unless in extraordinary cases.

The teachers of the various grades have been consulted in relation to the subject.

Last May the following inquiries were submitted to the teachers in order that the opinions of all might be obtained, viz. :

- 1.—In order to complete the course of study prescribed for your grade, will it be necessary for pupils to study out of school ?
- 2.—In order to complete the course of study prescribed for your grade how many more weeks should be allowed ?
- 3.—Will it be practicable for your grade to do more work than is required by the new course of study ?
- 4.—What branches require more time and what ones less time than is now allotted to them ?
- 5.—Is it the practice of your pupils to carry home their books for the purpose of studying their lessons ?
- 6.—Do you *require* them to study at home ?
- 7.—Do you *advise* them to study at home ?

The general response was that pupils would not, under ordinary circumstances, be obliged to study out of school in order to perform the required amount of labor. A very few *required* or *advised* their pupils to study at home. Some changes were made to bring the labor into school hours.

The question is frequently asked, "Are there not a number of *weak, sickly, puny* children in the schools?" The question must be answered in the affirmative. The large number of such pupils is a source of alarm, and it is the duty of those in charge of the schools to investigate the subject for the purpose of ascertaining, if possible, the true condition of things, as in such matters those methods should be sought which are best adapted to secure good health. If the methods adopted are not those in accordance with what is required for the proper physical development of children, then shortening the hours of study in school will not remedy the evils.

I submit that the number of hours spent in a school-room is not the only thing to be considered. The amount of work required, the length of recitations, the time allowed for the recesses and for the intermission at noon, the methods of lighting, heating, and ventilating the rooms, the construction and arrangement of the seats and desks, all these things are to be taken into consideration in connection with the subject of the health of the pupils. There should be at least a half hour each day for recesses and physical exercises, and an intermission at noon of at least two hours. In some seasons of the year two hours and a half would be preferable, as was the case formerly in this city in the summer months.

Some contend that it would be better to have the recesses shortened, at the same time lessening the amount of time allowed for recreation, some favoring the plan of one session daily.

In answer to this I can only repeat what has been said many times by others who have given this subject careful consideration. Short alternate periods of rest and work are better than long and exhaustive periods of work followed by long periods of rest. While pupils are at work they should work steadily, but there is a limit to the power of fixing their attention.

It is cruel to compel children to sit still for an hour or an hour and a half studying their lessons. Primary schools should have no exercises over twenty minutes in length, many of their exercises ought not to be over ten or fifteen. All teachers in this city are requested to furnish the superintendent at the beginning of each term their order of exercises for their respective schools. In some of the rooms the programme is placed upon the board, where teacher, pupils and visitors can see at a glance in what order the recitations occur, and the time allowed for each exercise.

I have selected from the list of last term the programmes of a Primary school, a Middle school, a fourth and a second division of a Grammar school, from which it can be readily seen how much time is spent in recitations, and also for how long a time pupils are required to remain in their seats studying:

### ORDER OF EXERCISES.

#### PRIMARY SCHOOL, LOWER GRADE.

9.00	A. M.	Opening Exercises.
9.08	"	Singing.
9.20	"	Marching.
9.25	"	Spelling by sound.
9.35	"	Third class. Reading and Spelling.
9.50	"	Second class. " "
10.05	"	Physical exercise.
10.10	"	Counting lesson.
10.20	"	Oral Instruction.
10.30	"	Recess.
10.50	"	Drawing or writing.
11.10	"	Spelling. Whole School.
11.20	"	Language lesson.
11.35	"	First class. Reading and Spelling.
11.55	"	Closing exercises.
2 00	P. M.	Singing.
2.15	"	Third class. Reading and Spelling.
2.30	"	Physical exercise.

2.35	P. M.	Second class. Reading and Spelling.
2.50	"	Roll call.
2.55	"	Oral Instruction.
3.10	"	Recess.
3.30	"	First class. Reading and Spelling.
3.50	"	General Exercises.
3.55	"	Closing Exercises.

## MIDDLE SCHOOL, LOWER GRADE.

9.00	A. M.	Opening Exercises.
9.10	"	Singing.
9.25	"	Vocal Gymnastics.
9.35	"	Reading. First Class.
10.00	"	" Second Class.
10.30	"	Recess.
10.50	"	Arithmetic. Second Class.
11.20	"	General Exercises.
11.30	"	Arithmetic. First Class.
2.00	P. M.	Spelling. Second Class.
2.15	"	" First Class.
2.30	"	Writing.
3.00	"	Physical Exercises.
3.05	"	Reading. First Class.
3.30	"	Recess.
3.50	"	Reading. Second Class.
4.15	"	Drawing or Geography,(oral).
4.35	"	Language. Whole School.

## GRAMMAR SCHOOL, FOURTH DIVISION.

9.00	A. M.	Opening Exercises.
9.10	"	Spelling, (written). Whole School.
9.25	"	Writing.
9.55	"	Arithmetic. First Class.
10.30	"	Recess.
10.50	"	Arithmetic. Second Class.
11.20	"	Physical Exercises.
11.25	"	Reading. First Class.
2.00	P. M.	Spelling, (oral). Whole School.
2.15	"	Reading. Second Class.

2.45	P. M.	Language (oral). First Class.
3.10	"	Recess.
3.30	"	Language (oral). Second Class.
3.55	"	Geography. First Class.
4.25	"	Physical Exercises.
4.40	"	Music.

## GRAMMAR SCHOOL, SECOND DIVISION.

9.00	A. M.	Opening Exercises.
9.10	"	Spelling. Whole School.
9.25	"	Drawing or Writing.
9.55	"	Arithmetic. First Class.
10.30	"	Recess.
10.50	"	Arithmetic. Second Class.
11.20	"	Physical Exercises.
11.25	"	Reading. First Class.
2.00	P. M.	Reading. Second Class.
2.25	"	Grammar. First Class.
2.55	"	Music. Whole School.
3.10	"	Recess.
3.30	"	Grammar. Second Class.
3.55	"	History. First Class.
4.25	"	Physical Exercises.
4.35	"	History. Second Class.

The above programmes indicate the work of the different schools, as the studies are the same for all schools of the same grade, the order in which the recitations occur varying according to the plans of the different teachers. There is singing at certain times in the day, and there are other exercises for which no specified time can be arranged, yet I have generally found the schools working according to their programmes. The music teacher visits each school once in two weeks, and allowance must be made for such half days, as well as for the half days set apart for rhetorical exercises in the higher grades.

In some schools more time is taken for physical exercises than is specified on the programmes, for the reason that



there are times when a school becomes weary and needs a change of exercises.

It is the intention in Grammar and Middle schools to allow at least one hour each day for recesses and physical exercises, about ten minutes for devotional exercises in the morning, and fifteen for singing, leaving not over four hours and twenty minutes daily, for study and recitation. The programme is arranged for two classes in each division, but in some of the exercises, as writing and drawing, sometimes reading and spelling, both classes work together.

If there is an adherence to the programme, no scholar in a Grammar school will be obliged to study more than thirty minutes at one time, or more than two hours and a quarter a day, and this at different times.

I have dwelt at some length upon this point, for I am satisfied that it is not the number of hours spent in school that injures children so much as other things. I do not think if the school sessions were shortened the health of the children would be improved unless other changes were made. Possibly there are too many studies required; the children may become nervous and unable to rest when out of school. The health of the pupils is a very important subject for us to consider. It is better for a child to graduate from our schools in good health than to understand all the branches taught in the various grades.

The ventilation of the rooms is a subject to be considered. Many of the rooms have poor arrangements for ventilation, and with the best that can be done the air will be too impure for health and comfort, although an improvement in this respect upon a great many dwellings from which children come to the school. In some of the rooms there are windows upon one side of the room only, and to open any of the windows exposes the pupils in such a manner as to cause sickness. There frequently is some trouble with a chimney so that coal gas escapes into the school-

rooms, rendering the rooms unfit for occupancy. Many of these things should receive attention before there is too much complaint of overwork.

Again, the amount of work to be done during a term should be considered, and the time so apportioned to the different studies that the pupils can perform the labor without hurry or worry.

It is the testimony of many parents that their children break down on account of undue excitement, for it is impossible for some to cease thinking about their lessons even in the hours of night. Their sleep is disturbed on account of over-anxiety in regard to their lessons, their food is not relished, and they are troubled constantly. This would not be remedied by short sessions, as it would be no worse for them to worry and fret in the school-room than at home.

Some of the schools have recently adopted the plan of two recesses in the afternoon. This gives an opportunity to open all the windows and change the air in the room at the close of each hour. It is an excellent plan, and all schools should adopt it, no matter if it interferes with some long cherished programme.

The following extract from the school report of another city appeared in my report of 1867. It is as appropriate now as then :

“It is quite common at the present day to attribute everything in the shape of disease that exists in the community to excessive study in our schools. Has any child a pale face? it was caused by hard study. Is there a consumptive in our midst? she pursued too many studies while at school. Is there a fever flush upon the cheek of any pupil? long lessons in grammar and algebra caused it.

“Children spend less than one-seventh of their time in the school-room. Hence, some of the physical debility among pupils may be traced to other causes. There are many things in the household discipline and culture of our community which seriously affect the welfare and condition of the child at school. The habit of late hours—the

frequenting of places of amusement—the participation in scenes of excitement—the dance, or fashionable *soiree*—the habitual reading of works of fiction, or the popular light literature of the day—the inconsiderate indulgence of the appetite—the exposure, and insufficiency of dress, particularly of the neck and feet—these, and many kindred enormities of the social and family life, are among the prolific causes of juvenile debility, resulting in mental sluggishness and indifference, if not prostration.”

In all the discussions upon this subject but little has been said of the diseases of the eye. There are many in the schools unable to perform their regular studies on account of weak eyes, and some investigation should be made in relation to this to see whether the difficulty is occasioned by any special arrangement of the school-rooms, or by something entirely outside of the schools.

#### TEACHERS' MEETINGS.

The teachers have sustained an organization for the year. The meetings have been well attended, indicating a good degree of interest. The essays and discussions have been of great value. Various topics concerning the course of study and the management of the schools have been discussed. The teachers are entitled to commendation for sustaining such an organization entirely voluntarily on their part. Mr. Kimball and others have furnished vocal and instrumental music at the meetings. This has been a pleasant feature, and has added much to the interest.

The session of the Hillsborough County Institute at Wilton, and the State Teachers' Association at Claremont, were well attended by teachers from this city. Permission has been given teachers to close school for a day that they might visit schools in Boston and elsewhere.

It is to be hoped that the Teachers' Association will be encouraged by the Board, and that teachers will be granted

the privilege of attending the institutes, and visiting schools in other cities.

CONCLUSION.

More schools will be needed the coming year. The completion of the building on Bridge street will increase the school accommodations, as well as the expenses of the schools. With the increased expenditures for buildings and schools, our citizens reasonably look for better methods of instruction, better methods of discipline, that the youth of the city may be better fitted for the duties of citizenship. If our schools stand well to-day, it is because our people generally have an interest in them, and are willing to assist those who have the control of them.

All of which is most respectfully submitted.

JOSEPH G. EDGERLY,

*Superintendent of Public Instruction.*

MANCHESTER, N. H., Dec. 19, 1873.

TABLE SHOWING THE ATTENDANCE AT THE DIFFERENT SCHOOLS THE PAST YEAR.

SCHOOLS.	Whole number be- longing.			Average number belonging.	Average daily at- tendance.
	Boys.	Girls.	Total.		
High school, . . . . .	107	146	253	153	150
Spring-street Grammar school, . . . . .	98	147	245	167	162
Franklin-street Grammar school, . . . . .	106	124	230	164	161
Lincoln-street Grammar school, . . . . .	211	250	461	325	315
Intermediate school, . . . . .	28	49	177	53	51
Training school, . . . . .	207	181	388	157	151
Piscataquog Grammar school, . . . . .	80	63	143	75	72
Amoskeag Grammar school, . . . . .	39	26	65	35	28
Middle school No. 1 . . . . .	40	42	82	42	38
“ “ No. 3 . . . . .	26	29	55	36	34
“ “ No. 7 . . . . .	54	51	105	58	45
“ “ No. 8 . . . . .	44	42	86	43	42
“ “ No. 9 . . . . .	56	44	100	37	36
“ “ No. 10 . . . . .	49	52	101	37	34
Primary school No. 1 . . . . .	40	49	89	37	33
“ “ No. 2 . . . . .	71	55	126	40	35
“ “ No. 3 . . . . .	30	47	77	32	28
“ “ No. 4 . . . . .	37	37	74	36	31
“ “ No. 5 . . . . .	62	50	112	37	34
“ “ No. 6 . . . . .	37	38	75	36	35
“ “ No. 7 . . . . .	28	21	49	28	26
“ “ No. 8 . . . . .	95	71	166	42	37
“ “ No. 9 . . . . .	84	74	158	44	43
“ “ No. 10 . . . . .	103	100	203	44	42
“ “ No. 11 . . . . .	63	59	122	46	41
“ “ No. 12 . . . . .	58	48	106	52	48
“ “ No. 13 . . . . .	59	53	112	38	35
“ “ No. 14 . . . . .	51	44	95	35	31
“ “ No. 15 . . . . .	75	63	138	43	40
“ “ No. 16 . . . . .	64	53	117	40	38
“ “ No. 17 . . . . .	40	27	67	32	30
“ “ No. 18 . . . . .	20	30	50	26	22
“ “ No. 19 . . . . .	42	43	85	33	30
“ “ No. 20 . . . . .	48	51	99	38	33
“ “ No. 21 . . . . .	36	46	82	36	30
“ “ No. 22 . . . . .	37	26	63	28	26
School in District No. 1 . . . . .	16	10	26	18	15
“ “ No. 3 . . . . .	51	36	87	48	45
“ “ No. 4 . . . . .	36	30	66	37	34
“ “ No. 5 . . . . .	33	11	44	24	21
“ “ No. 6 . . . . .	17	21	38	24	19
“ “ No. 7 . . . . .	31	27	58	39	36
“ “ No. 8 . . . . .	27	35	62	36	31
“ “ No. 9 . . . . .	18	16	34	19	16
Total . . . . .				2450	2284

The whole number reported from each school, if added together, would be more than the whole number in all the schools, as some scholars are reported from two or more different schools. The whole number of different pupils attending last year was, Boys, 1964; Girls, 1815. Total, 3779.



QUESTIONS SUBMITTED TO CANDIDATES FOR  
ADMISSION TO THE HIGH SCHOOL AT THE  
ANNUAL EXAMINATION.

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ARITHMETIC.

1. Write the table of avoirdupois weight.
2. Find the product, sum, difference, and quotient of  $\frac{7}{8}$  and  $\frac{1}{4}$ .
3. What is the interest of \$50, from July 7, 1871, to Mar. 19, 1872, at  $8\frac{1}{2}$  per cent ?
4. A merchant sells flour at \$12.50 per bbl. and gains 25 per cent; what would have been the gain or loss per cent. had the flour been sold at \$9 per bbl.
5. Multiply .04 by .002; .05 by 1.2; divide .016 by .03; 1.6 by .02; 16 by .32. Write the answers in words.
6. Express 1016 by the Roman method of notation.
7. A borrowed of B, \$500 for six months, agreeing to pay 8 per cent. interest; how long a time should A loan B \$1,000, at 6 per cent. to compensate him ?
8. A pile of wood is 80 feet long, 12 feet wide, and 10 high. A man paid \$5 50 a cord for the wood, 75 cents a cord for chopping, 25 cents a cord for having it drawn out of the woods and 50 cents a cord for freight; the wood was sold at \$8 per cord. How much per cent. was gained on the cost ?
9. What is a fraction ?
10. How do you find the interest of a sum of money for a given time ?
11. John Williams hired of Charles Johnson \$200, payable in 6 months at 8 per cent. Write a promissory note, dating it Jan. 1, 1873, sign John Williams' name, and find the amount due at the time of settlement.

## LANGUAGE.

1. Correct the following where corrections are needed.
  - (a) They hadn't ought to have done that but between you and I they didn't know no better.
  - (b) Whom shall we send to the schools.
  - (c) Either I or she are wrong.
  - (d) I intended to have gone but he had went before I seen him.
  - (e) Them are the boys which done it but they wasn't careful.
  - (f) Who did you see.
2. Write a letter to James M. Brown of Boston, Mass., acknowledging the receipt of a copy of Smith's Astronomy.
3. Change the following stanza into prose.
 

Wild was the night, yet a wilder night  
Hung round the soldier's pillow,  
In his bosom there waged a fiercer fight,  
Than the fight on the wrathful billow.
4. He spoke well yesterday. Parse each word.
5. Give the principal parts of lie, do, sit, teach, preach, burst, go.
6. Write the plural of ox, knife, footman, sky, potato, chimney.
7. Change the verb in the following sentence into the perfect tense. Do you study geography?
8. Write a sentence containing a numeral adjective, one containing a relative pronoun, one containing a verb in the pluperfect tense.
9. Write a sentence containing the abbreviation for doctor, for percentum, for street.
10. Copy the following extract from "Independence Bell," making corrections where they are needed.
 

will they do it, dare they do it.  
who is speaking? what's the news;  
what of adams, what of sherman!  
oh god grant They wont refuse?  
make some way there let Me nearer,  
i am stifling, stifle then.  
when a Nations life's at Hazzard.  
we've no time to think of men.
11. It was the wild midnight;—a storm was in the sky  
The lightning gave its light, and the thunder echoed by;  
The torrent swept the glen, the ocean lashed the shore;  
Then rose the Spartan men, to make their bed in gore!



- (a). Make a list of nouns in the above extract; (b). a list of pronouns; (c). a list of transitive verbs; (d). a list of intransitive verbs; (e). a list of adjectives; (f). a list of adverbs.

## PHYSIOLOGY.

### TOPICS.

1. The bones.
2. The eye.
3. The respiratory organs.
4. The ear.
5. The vocal organs.
6. Hygiene of the nervous system.
7. Nutrition.
8. Hygiene of the muscles.

## GEOGRAPHY.

1. Describe the surface of New Hampshire.
2. Name and locate six of the leading commercial cities of the world.
3. A ship sails from Boston to Rio Janeiro and back; what would be the cargo in going and returning?
4. Where is the place located that has neither latitude nor longitude?
5. What and where are the following? Alaska; Huron; Itasca; Gauges; Caribbean; Cattetgat; Lisbon; Champlain; Hudson; Nantucket.
6. Through what waters would you pass in sailing from Quebec to New Orleans?
7. From what countries do we obtain the following named articles? 1, cinnamon; 2, nutmegs; 3, cloves; 4, coffee; 5, tea; 6, copper; 7, tin; 8, gutta-percha.
8. Name and locate the principal rivers of New Hampshire.
9. Name the states of the union bordering on the Atlantic.
10. Name the states of the union bordering on the Pacific.

## HISTORY.

1. What is History?
2. What were the "Articles of Confederation?" Give some account of their adoption, and name some of their defects.

3. What was the *Alabama*, and what is meant by the "Alabama Claims?"
4. For what is each of the following-named places distinguished in American history: Jamestown,—Lexington,—Gettysburg.—Plymouth,—Ticonderoga,—Valley Forge,—Plains of Abraham,—Buena Vista,—Mount Vernon?
- 5: What connection with American history had each of the following-named persons; Roger Williams,—William Penn,—Henry Clay,—Alexander Hamilton,—Millard Fillmore,—Benedict Arnold.—Ferdinand de Soto,—John Winthrop?
6. Give some account of the settlement of New Hampshire.
7. Name some of the wars known as the Inter-Colonial wars.
8. Name the Presidents and Vice-Presidents in order.

#### SPELLING.

Privilege, anxiety, melancholy, celebrate, mysterious, companion, narrative, believe, relief, symmetry, iniquity, impostor, exhaust, benevolence, avalanche, guilty, laborer, obedient, uneasy, patient, obliging, innocent, ceiling, colored, gnawed, excellence, absent, surprise, disturbed, manage, politician, forfeit, assistant, catechism, countenance, vaccinate, programme, cavalry, chariot, horizontal, sagacious, parallel, license, curiosity, savage, mariner, furious, disciple, quoits, Chinese.

# COURSE OF STUDY.

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The course of study, as published in the last annual report, has not been changed for any grade below the first division of the Grammar school. The following is the revised course for the first division of the Grammar school and the High school.

## GRAMMAR SCHOOL—FIRST DIVISION.

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### FALL TERM—SIXTEEN WEEKS.

#### FIRST CLASS.

Reading.—Fifth Reader.

Drawing, Writing, Spelling, and Book-keeping.

Music.—Observe previous directions.

Arithmetic.—Review of Practical and Mental.

Language.—Write abstracts of lessons of the day, of descriptions, stories, etc., read by the teacher; compositions upon topics suggested by events of the day.

#### SECOND CLASS.

Reading.—Fifth Reader.

History.—Campbell's, completed and reviewed.

Arithmetic.—Practical, completed.

Language.—Text book continued; pupils will write different kinds of letters, such as business letters, familiar letters of intro-

duction and friendship, notes of invitation, acceptance and regret; abstracts of lessons in history, geography, and other branches; selections of poetry in the Reader changed to prose. Attention given to writing promissory notes, bills of goods, etc. Observe directions for preceding grades.

Drawing, Writing and Spelling.

Music.—Singing at sight constitutes the chief study of the class, paying special attention to the correct method of producing tone. Pupils should understand all the signs and characters used in musical composition, and be able to comprehend and read at sight any ordinary music.

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## WINTER TERM—TWELVE WEEKS.

### FIRST CLASS.

Reader.—Fifth Reader.

Geography.—Intermediate, reviewed.

Physiology.

Drawing, Writing and Spelling.

Arithmetic.—Putnam Drill Cards; Walton's Tables and Charts.

Review of Mental.

Language and Music.—Observe previous directions.

### SECOND CLASS.

Reading.—Fifth Reader.

History.—Campbell's, completed and reviewed.

Arithmetic.—Practical to 294th page.

Language and Music.—Observe previous directions.

Drawing, Writing and Spelling.

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## SPRING TERM—TWELVE WEEKS.

### FIRST CLASS.

Reading.—Fifth Reader.

Arithmetic.—Practical reviewed.

Drawing, Writing, Spelling, and Book-keeping.

Language and Music.—Observe previous directions.

## SECOND CLASS.

Reading.—Fifth Reader.  
 Arithmetic.—Practical completed.  
 Geography.—Intermediate reviewed.  
 Physiology.  
 Language and Music.—Observe previous directions.  
 Drawing, Writing and Spelling.  
 Declamations in each grade of the Grammar School.

## HIGH SCHOOL.

In this school there are three distinct courses:—

*First.* An English course of three years.

*Second.* A course of four years, embracing the English studies, together with French and Drawing.

*Third.* A Classical course of four years.

The figures annexed to the following studies denote the number of recitations each week.

## ENGLISH COURSE OF THREE YEARS.

## FIRST YEAR—FIRST TERM—SIXTEEN WEEKS.

Language, including punctuation, analysis, parsing, reading, spelling, and defining, 4—text-book, Hillard's Sixth Reader. Robinson's Algebra, 3. Hooker's Natural History, 4. Drawing, 2. Music:—Pupils who have been through the Grammar schools are expected to have acquired sufficient knowledge of the rudiments of music to read common chorals at sight, and to give the contents of all Major, Minor and Chromatic Scales. Chorus practice daily, and a general review of all the previous work.

## SECOND TERM—TWELVE WEEKS.

Algebra, 4. Physical Geography, 4. Language, 3,—text-book; Quackenbos' English Composition. Drawing, 2. Music:—Chorus and Solfeggios practice, also the Tonic, Sub-Dominant, and Dominant in harmony: this department of music will receive careful attention. Also phrasing, respiration, and expression, and char-

acters indicating the different movements in music; as, Adagio, Largo, Andante, Allegro, etc.

THIRD TERM—TWELVE WEEKS.

Geometry, 4. Botany, 5. Language; Word study, derivations and synonyms, reading standard English works, 4. Drawing, 2. Music:—Chorus and Solféggios continued. Music in varied forms will be introduced, and especial attention given to voice culture and harmony. Four-part songs from the best composers will be studied and carefully analyzed and their general construction explained.

SECOND YEAR—FIRST TERM—SIXTEEN WEEKS.

Geometry, 4; Rhetoric, 3; Astronomy, 4; Reading or Drawing, 2.

SECOND TERM—TWELVE WEEKS.

Trigonometry, 4; Natural Philosophy, 4; English Language and Literature, 4; Drawing, 2.

THIRD TERM—TWELVE WEEKS.

Natural Philosophy, 4; Surveying, 3; Ancient History, 3; English Language and Literature, 3.

THIRD YEAR—FIRST TERM—SIXTEEN WEEKS.

Ancient History, 4; Physiology, 3; Arithmetic, reviewed, 3. Civil Government the first eight weeks of the term, 3; United States History, reviewed the last eight weeks of the term, 3.

SECOND TERM—TWELVE WEEKS.

Geology, 4; Mental Philosophy, 4; Geography, reviewed, 4; Spelling and Defining, 1.

THIRD TERM—TWELVE WEEKS.

Chemistry, 4; English Grammar, reviewed, 4; Political Economy, 3; Reading, 2.

FOUR YEARS' COURSE. INCLUDING ENGLISH,  
FRENCH, AND DRAWING.

FIRST YEAR—FIRST TERM—SIXTEEN WEEKS.

Language as in preceding course, 4; Algebra, 3; Natural History, 4; Drawing, 2.

SECOND TERM—TWELVE WEEKS.

Algebra, 4; Physical Geography, 4; Language, 3; Drawing, 2.

THIRD TERM—TWELVE WEEKS.

Geometry, 4; Ancient History, 3; Language, 4; Drawing, 2.

SECOND YEAR—FIRST TERM—SIXTEEN WEEKS.

Geometry, 4; Ancient History, 4; Language—synonyms—critical analysis of the language, 3; Drawing, 2.

SECOND TERM—TWELVE WEEKS.

Trigonometry, 4; Natural Philosophy, 4; Drawing, 2.

THIRD TERM—TWELVE WEEKS.

Natural Philosophy, 4; Botany, 5; Surveying, 3; Drawing, 2.

THIRD YEAR—FIRST TERM—SIXTEEN WEEKS.

Astronomy, 4; Rhetoric, 3; Drawing, 2; Physiology, 3.

SECOND TERM—TWELVE WEEKS.

Geology, 4; English Language and Literature, 4; French, 3; Drawing, 2.

THIRD TERM—TWELVE WEEKS.

English Language and Literature, 3; French, 4; Drawing, 2; Political Economy, 3.

## FOURTH YEAR—FIRST TERM—SIXTEEN WEEKS.

French, 4; Arithmetic, 3; Reading, 2; Civil Government, 8 weeks, 3; United States History, eight weeks, 3.

## SECOND-TERM—TWELVE WEEKS.

Mental Philosophy, 4; French, 4; Geography, 4; Spelling and Defining, 1.

## THIRD TERM—TWELVE WEEKS.

Chemistry, 4; French, 4; English Grammar, 4.

## CLASSICAL COURSE OF FOUR YEARS.

## FIRST YEAR—FIRST TERM—SIXTEEN WEEKS.

Language as in preceding courses, 4; Algebra, 3; Natural History, 4; Drawing, 2.

## SECOND TERM—TWELVE WEEKS.

Algebra, 4; Language, 3; Physical Geography, 4; Drawing, 2.

## THIRD TERM—TWELVE WEEKS.

Ancient History, 3; Geometry, 4; Latin Lessons, 4; Drawing, 2.

## SECOND YEAR—FIRST TERM—SIXTEEN WEEKS.

Ancient History, 4; Geometry, 4; Latin Lessons, 4; Drawing, 2.

## SECOND TERM—TWELVE WEEKS.

Natural Philosophy, 4; Trigonometry, 4; Cæsar, 4; Drawing, 2.

## THIRD TERM—TWELVE WEEKS.

Natural Philosophy, 4; Surveying, 3; Cæsar, 4; Drawing, 2.



## THIRD YEAR—FIRST TERM—SIXTEEN WEEKS.

Astronomy, 4; Rhetoric, 3; Virgil, 4; Reading, 2.

## SECOND TERM—TWELVE WEEKS.

Geology, 4; English Language and Literature, 4; Virgil, 4; Spelling and Defining, 1.

## THIRD TERM—TWELVE WEEKS.

Botany, 5; English Language and Literature, 3; Virgil, 4.

## FOURTH YEAR—FIRST TERM—SIXTEEN WEEKS.

Arithmetic, 3; United States History, eight weeks, 3; Civil Government, eight weeks, 3; Cicero, 4; Physiology, 3.

## SECOND TERM—TWELVE WEEKS.

Mental Philosophy, 4; Geography, 4; Cicero, 4.

## THIRD TERM—TWELVE WEEKS.

Chemistry, 4; English Grammar, 4; Odes of Horace, 4.

Declamations and Compositions, at regular intervals, throughout the course.



CITY OF MANCHESTER.

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SCHOOL DEPARTMENT.

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ORGANIZATION FOR 1874.

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JAMES A. WESTON, Mayor,  
*ex-officio*, chairman.

RUFUS H. PIKE,  
President of the Common Council, *ex-officio*.

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MEMBERS OF THE SCHOOL COMMITTEE.

- Ward 1.—Henry E. Burnham.
- Ward 2.—Marshall P. Hall.
- Ward 3.—John G. Lane.
- Ward 4.—Nathan P. Hunt, *Clerk*.
- Ward 5.—Frank J. Murray.
- Ward 6.—Edwin Kennedy.
- Ward 7.—George P. Rockwell.
- Ward 8.—John E. Stearns.

JOSEPH G. EDGERLY,

SUPERINTENDENT OF PUBLIC INSTRUCTION.

*Office*—No. 5 City Hall; Office Hours from 8 to 9 A. M.,  
school days.

## STANDING COMMITTEES OF THE BOARD.

*Finance, Accounts, and Claims.*—Messrs. Kennedy, Pike, Hall and the Mayor.

*Repairs, Furniture and Supplies.*—Messrs. Edgerly, Kennedy, Pike and Hunt.

*Text-Books and Apparatus.*—Messrs. Hall, Edgerly, Rockwell and Burnham.

*Fuel and Heating.*—Messrs. Hunt, Stearns, Rockwell, and Edgerly.

*Examination of Teachers.*—Messrs. Burnham, Murray, Hunt and Edgerly.

*Truancy.*—Messrs. Murray, Lane, Hall and Edgerly.

*Employment of Children in Manufacturing Establishments.*—Messrs. Lane, Hunt, Kennedy, Murray and Edgerly.

*Music.*—Messrs. Stearns and Rockwell.

*Drawing.*—Messrs. Rockwell, Hall and Burnham.

## SUB-COMMITTEES OF THE BOARD.

*High School and Training School.*—Messrs. Hall, Hunt and Rockwell.

*Spring Street.*—Messrs. Burnham and Lane.

*Franklin Street.*—Messrs. Hall and Rockwell.

*Lincoln Street.*—Messrs. Hunt and Kennedy.

*Intermediate Building and Wilson Hill.*—Messrs. Murray and Hall.

*Lowell Street and Blodgett Street.*—Messrs. Lane and Stearns.

*Suburban Schools Nos. 3, 4, 5, 6, 7, 8, 9.*—Messrs. Kennedy and Burnham.

*Piscataway.*—Messrs. Rockwell and Hunt.

*Ameskeag and Suburban School No. 1.*—Messrs. Stearns and Murray.

*Evening Schools.*—Messrs. Hall, Murray and Rockwell.

## SCHOOLS AND TEACHERS.

## HIGH SCHOOL—BEECH STREET.

Principal, W. W. Colburn.  
 Assistants, Mary E. Clough.  
               Lucretia E. Manahan.  
               Emma J. Ela.  
               Mary A. Buzzell.

## INTERMEDIATE SCHOOL—MANCHESTER STREET.

Principal, Alfred S. Hall.  
 Assistants, Abbie S. McClintock.  
               Kate E. Joy.

## TRAINING SCHOOL—MERRIMACK STREET.

Principal Higher Department, Nancy S. Bunton.  
                                   Assistant, Mintie C. Edgerly.  
 Principal Primary Department, Martha N. Nason.  
                                   Assistant, Anna O. Heath.

## SPRING-STREET GRAMMAR SCHOOL.

Principal, William E. Buck.  
 Assistants, Anstrice G. Flanders.  
               Sarah J. Greene.  
               Lizzie S. Campbell.

## FRANKLIN-STREET GRAMMAR SCHOOL.

Principal, Daniel A. Clifford.  
 Assistants, Mary F. Dana.  
               Lottie R. Adams.  
               Carrie E. Reid.

## LINCOLN-STREET GRAMMAR SCHOOL.

Principal, Benjamin F. Dame.

Assistants, Julia A. Baker.

Mary J. Fife.

Annette McDoel.

Eliza A. Young.

Isabelle R. Daniels.

Anna J. Dana.

Rocilla M. Tuson.

Lizzie H. Patterson.

## PISCATAQUOG GRAMMAR SCHOOL—CENTER STREET.

Principal, Sylvester Brown.

Assistants, Martha J. Boyd.

Mary A. Lear.

## AMOSKEAG GRAMMAR SCHOOL.

Emma A. H. Brown.

## MIDDLE SCHOOLS.

- No. 1, Blodgett street.—Nellie I. Sanderson.  
 “ 3, Lowell street.—Mary L. Sleeper.  
 “ 7, Franklin street.—Hattie G. Flanders.  
 “ 8, Franklin street.—C. Augusta Abbott.  
 “ 9, Spring street.—Hattie S. Tozer.  
 “ 10, Spring street.—Lizzie P. Gove.

## PRIMARY SCHOOLS.

- No. 1, Blodgett street.—Ellen B. Rowell.  
 “ 2, Lowell street.—Emma F. Beane.  
 “ 3, Beech street.—Georgianna Dow.

- No. 4, Beech street.—Helen M. Morrill.  
 “ 5, Lowell street.—Annie M. Offutt.  
 “ 6, Wilson Hill.—Abbie E. Abbott.  
 “ 7, Wilson Hill.—Emma H. Perley.  
 “ 8, Lowell street.—Elvira S. Prior.  
 “ 9, Manchester street.—Clara N. Brown.  
 “ 10, Manchester street.—Nellie Pearson.  
 “ 11, Franklin street.—E. Jennie Campbell.  
 “ 12, Franklin street.—Martha W. Hubbard.  
 “ 13, Spring street.—Emma A. Cross.  
 “ 14, Spring street.—Nellie M. Whitney.  
 “ 15, North Main street.—Ida F. Gee.  
 “ 16, North Main street.—Celia M. Chase.  
 “ 17, South Main street.—Alice G. Lord.  
 “ 19, Amoskeag.—Nellie E. Tappan.  
 “ 20, South Main street.—Sarah D. Lord.  
 “ 21, Center street.—Ella F. Salisbury.

## SUBURBAN SCHOOLS.

- No. 1, Stark District.—Nellie M. Cate.  
 “ 3, Bakersville.—Principal, Addie M. Chase.  
 Assistant, Cleora E. Bailey.  
 “ 4, Goffe’s Falls.—Edward P. Sherburne.  
 “ 5, Harvey District.—George P. Johnson.  
 “ 6, Webster’s Mills.—Olive J. Randall.  
 “ 7, Hallsville.—Maria H. Hildreth.  
 “ 8, Massabesic.—N. Amanda Wyman.  
 “ 9, Mosquito Pond.—S. Isetta Locke.

## MUSIC TEACHER.

J. J. Kimball.





ACCOUNT

OF

HENRY R. CHAMBERLIN,  
*CITY TREASURER,*

FROM

DECEMBER 31, 1872, TO DECEMBER 31, 1873.

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

To Cash in Treasury, January 1, 1873, . . . . .	\$16,970 88
Cash of Water Works, . . . . .	40,455 51
Water Bonds unsold Jan. 1, 1873, . . . . .	101,500 00
State Bonds unsold, . . . . .	123,800 00
Temporary Loan, . . . . .	159,120 00
Savings Bank Tax, . . . . .	33,476 80
Railroad Tax, . . . . .	19,629 56
Insurance Tax, . . . . .	689 25
Literary Fund, . . . . .	1,435 00
City Hall and Stores, . . . . .	2,359 00
City Farm, . . . . .	2,151 27
Police Court, . . . . .	9,162 86
City Scales, . . . . .	373 72
Paupers from other towns, . . . . .	73 38
Pine Grove Cemetery, . . . . .	2,286 88
Valley Cemetery, . . . . .	960 30
County of Hillsborough, . . . . .	2,224 29
City Teams, . . . . .	1,915 00
Overdrafts, . . . . .	358 73
License of Exhibitions and Shows, . . . . .	590 00
Land Sold from Farm, . . . . .	1,763 74
Dog Licenses, . . . . .	720 74
Sewer Licenses, . . . . .	918 97
Cost Non-Resident Taxes, . . . . .	33 00
Lumber sold, . . . . .	19 50
Rent of Hearse, . . . . .	125 00
Interest on State Bonds, . . . . .	6,819 00
Board of Inmates at State Reform School, . . . . .	180 29
Grass from Commons, . . . . .	49 00
Interest on Taxes, . . . . .	1,378 76
Rent of Tenements, . . . . .	96 00
Use of Aqueduct Water, . . . . .	117 50
Taxes collected 1865, . . . . .	3 00
"    "    1866, . . . . .	3 00
"    "    1867, . . . . .	190 48
"    "    1868, . . . . .	299 35
"    "    1869, . . . . .	565 31
"    "    1870, . . . . .	1,603 13

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Amount carried forward to page 234, . . . . . 534,418 20

*City of Manchester (ending December 31, 1873).*

Cr.

By Unpaid Bills, Jan. 1, 1873,	\$47,124	86
Paupers off the Farm,	5,432	91
City Farm,	11,398	37
City Teams,	5,599	18
Highway District No. 1,	518	26
“ “ “ 2,	13,029	73
“ “ “ 3,	793	06
“ “ “ 4,	597	75
“ “ “ 5,	618	07
“ “ “ 6,	463	91
“ “ “ 7,	605	76
“ “ “ 8,	551	23
“ “ “ 9,	431	91
“ “ “ 10,	1,187	85
“ “ “ 11,	1,101	10
“ “ “ 12,	392	50
“ “ “ 13,	290	55
New Highways,	6,182	78
Granite Bridge,	257	93
Amoskeag Falls Bridge,	205	25
Sewers and Drains,	12,363	41
Reservoirs,	729	58
Commons,	3,547	86
Valley Cemetery,	2,970	49
Pine Grove Cemetery,	2,745	79
Fire Department,	12,125	75
City Police,	19,164	63
City Officers,	9,704	26
Lighting Streets,	4,569	63
Militia,	608	33
Printing and Stationery,	2,430	64
Incidental Expenses,	13,601	47
City Hall,	8,115	98
City Library,	3,023	47
Paving Streets,	7,614	83
Watering Streets,	826	73
Discount on Taxes,	5,993	33
Abatement of Taxes,	1,557	56

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Amount carried forward to page 235, . . . 208,476 70

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

Amount brought forward from page 232.	\$534,418 20
By Taxes collected 1871.	4,586 69
"    "    1872.	27,779 69
"    "    1873.	275,306 65
Dog Tax, '69, \$5.00, '70, \$16.00, '71, \$13.00.	64 00
Mary E. Myers, Land, Hanover Street.	180 60
J. G. Edgerly, Tuition.	266 00
Water Rent.	1,029 53
License of Job Teams.	705 82
Accrued Interest on State Bonds.	146 60
Water Works.	11,217 64
Pike & Heald, Stove Pipe.	17 56
J. P. Newell, Old Bridge.	188 10
H. Dickey & Co., Brick.	90 15
Sewers and Drains, Brick from City Hall.	23 80
Pike & Heald, Old Iron.	14 35
Pike & Heald, Work, Paving.	2 25
J. G. Edgerly, Old Brick.	4 00
J. Q. A. Sargent, Work.	12 00
Wm. P. Richardson, dis. on Lumber.	1 50
J. G. Edgerly, Coal from Schools.	740 37
R. G. Aman, Old Fence.	10 00
Samuel Brown, Jr., Stone.	113 00
License to sell.	100 00
J. T. Fanning, Hay, etc.	63 00
J. T. Fanning, Supplies furnished.	114 07
Waterman Smith, Work on Well.	7 50
Daniel Clark, Coal from Schools.	69 02
Main St. School-house, Brick.	27 79
J. E. Bennett, Old Window.	4 50
"    "    Billiard License.	9 00
"    "    Old Copper.	43 75
"    "    Ward Room Lot, Rent.	12 00
"    "    Old School Shed.	12 00
Board of Inmates at Insane Asylum.	22 18
	<hr/>
	\$858,293 03
Outlawed Bills.	21 12
Unpaid Bills, Jan. 1, 1874.	62,998 10
	<hr/>
	\$921,312 25

*City of Manchester (ending December 31, 1873).* Cr.

	Amount brought forward from page 233,	\$268,476 70
By	State Tax,	54,642 00
	County Tax,	18,010 63
	Interest, \$3,841.40, Coupons, \$40,581.09,	44,422 49
	Temporary Loan,	63,000 00
	Reduction of City Debt,	1,000 00
	Court House,	786 92
	Insurance,	236 19
	Iron Fence, Merrimack Square,	62 50
	Repairs of Buildings,	960 49
	New School Houses,	28,239 75
	Repairs of School Houses,	6,733 19
	Evening Schools,	1,523 87
	School Department,	49,062 17
	Water-Works,	294,609 02
	Fire Alarm Telegraph,	4,709 64
	Land Damage,	3,835 94
	Canal Bridge,	1,180 05
	Decoration,	198 50
	Grading for Concrete,	1,892 90
	Pest House,	3,459 15
	Piscataquog Bridge,	3,267 04
		<hr/>
		\$790,909 14
	Water Bonds unsold,	68,100 00
	State Bonds unsold,	29,500 00
	Cash in Treasury,	32,803 11
		<hr/>
		\$921,312 25

HENRY R. CHAMBERLIN, *City Treasurer.*

MANCHESTER, *January 1, 1874.*

## FINANCE COMMITTEE'S REPORT.

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The undersigned, Joint Standing Committee on Finance, certify that we have examined the within account of Henry R. Chamberlin, City Treasurer, and find the same correctly cast and properly vouched.

During the year 1873 there has been received, (including the balance on hand, January 1, 1873,) the sum of eight hundred fifty-eight thousand two hundred ninety-three dollars and three cents (\$858,293.03), and there has been paid out during the same time, the sum of seven hundred twenty-seven thousand eight hundred eighty-nine dollars and ninety-two cents, (\$727,889.92), leaving in the treasury January 1, 1874, the sum of thirty-two thousand eight hundred three dollars and ten cents, (\$32,803.10).

There are Bonds in the treasury unsold as follows, to wit: State Bonds, twenty-nine thousand five hundred dollars: City Water Bonds, sixty-eight thousand one hundred dollars.

J. L. SMITH,  
R. H. PIKE,  
N. S. BEAN,  
WM. G. DUNHAM,  
J. P. NEWELL,

*Joint Standing Committee on Finance.*

## REVENUE ACCOUNT.

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To cash on hand January 1, 1873, . . . . .	\$57,426 39
Receipts for Water Bonds sold, . . . . .	33,400 00
Receipts for State Bonds sold, . . . . .	91,796 50
Taxes, 1873, collected, . . . . .	\$268,770 45
Abated, . . . . .	542 87
Discounted, . . . . .	5,993 33
	275,306 65
Taxes, 1872, collected, . . . . .	27,253 80
Abated, . . . . .	525 89
	27,779 69
Taxes, 1871, collected, . . . . .	4,404 61
Abated, . . . . .	225 08
	4,629 69
Taxes, 1870, collected, . . . . .	1,486 74
Abated, . . . . .	132 39
	1,619 13
Taxes, 1869, collected, . . . . .	531 57
Abated, . . . . .	38 74
	570 31
Taxes, 1868, collected, . . . . .	259 91
Abated, . . . . .	39 44
	299 35
Taxes, 1867, collected, . . . . .	143 53
Abated, . . . . .	46 95
	190 48
Taxes, 1866, abated, . . . . .	3 00
Taxes, 1865, abated, . . . . .	3 00

Costs on non-res. taxes, (H. R. C.)	15 00	
"    "    "    (W. G. E.)	18 00	
	<hr/>	33 00
Interest on taxes, (W. G. E.)	592 76	
Interest on taxes, (H. R. C.)	786 00	
	<hr/>	1,378 76
Tax on deposits in Sav. Banks, . . . . .		33,476 80
Railroad tax, . . . . .		19,629 56
Insurance tax, . . . . .		689 25
Literary Fund, . . . . .		1,435 00
Rent of City Hall stores, . . . . .		2,026 00
Rent of City Hall, . . . . .		333 00
Labor and produce from City Farm, . . . . .		2,151 27
Police Court costs and fines, . . . . .		9,162 86
1-2 fees from South scales, . . . . .	312 35	
1-2 fees from North scales, . . . . .	61 37	
	<hr/>	373 72
Town of Alexandria for burial of F. B. Kimball, . . . . .	28 00	
Town of Goffstown for burial of Kidder child, . . . . .	16 00	
Town of New Boston, aid to Joshua Rogers, . . . . .	2 00	
Town of Hooksett, aid to Mrs. Mary George, . . . . .	27 38	
	<hr/>	73 38
Receipts for lots in Pine Grove Cemetery, . . . . .		2,286 88
Receipts for lots in Valley Cem- etery, . . . . .	273 30	
Receipts for tomb rent, . . . . .	37 25	
Receipts for timber, . . . . .	637 91	
Receipts for interest, . . . . .	8 84	
	<hr/>	960 30
Highway Dis. No. 2, for work of City Teams, . . . . .	1,091 00	



New Highways, . . . . .	253 50	
Paving, . . . . .	172 50	
Sewers and Drains, . . . . .	36 00	
Grading for concrete walks, . . . . .	168 00	
Ash-Street school-house, . . . . .	78 00	
City Farm, . . . . .	6 00	
Reservoirs, . . . . .	17 00	
Pest-House, . . . . .	12 00	
Warren Harvey, . . . . .	81 00	
	<hr/>	1,915 00
County of Hillsboro' for support of inmates at Reform School, . . . . .		2,224 29
Overdraft on account Fire Dept, . . . . .	10 06	
"    "    "    City Hall, . . . . .	287 00	
Overdraft on account Highway, Dis. No. 7, . . . . .	61 67	
	<hr/>	358 73
License to shows, . . . . .		590 00
Land sold from City Farm, . . . . .		1,763 73
Dog licenses, . . . . .		720 74
Sewer licenses, . . . . .		918 97
Old plank from Canal Bridge, . . . . .		19 50
Rent of hearse, bal. for 1872, . . . . .	25 00	
Rent of hearse, for 1873, . . . . .	100 00	
	<hr/>	125 00
Board of inmates at Reform School, . . . . .		180 29
Interest on State Bonds, . . . . .		6,965 00
Grass from commons, . . . . .		49 00
Rent of tenements on Vine Street, . . . . .		96 00
Rent of aqueduct water (Hanover square), . . . . .		117 50
Land cor. Hanover and Belmont streets, . . . . .		180 00
Tuition from pupils out of town, . . . . .		266 00
Water rent, . . . . .		1,920 53
Licenses for job teams, . . . . .		705 83
Accrued interest on Water Bonds, . . . . .		11,217 64

Old iron sold from City Hall, . . . . .	31 91
Old iron sold from 'Squog Bridge, . . . . .	188 10
Brick sold from Lincoln-St. school-house, . . . . .	90 15
Brick sold from City Hall, . . . . .	51 50
Brick sold from schools, . . . . .	4 00
Pike & Heald for paving, . . . . .	2 25
J. Q. A. Sargent for work, . . . . .	12 00
Wm. P. Richardson, dis. on lumber, . . . . .	1 50
Coal sold, . . . . .	740 37
Old fence from Bakersville School-house, . . . . .	10 00
Stone sold by Saml. Brown, jr., . . . . .	113 00
Nicholas Nichols for license to sell, . . . . .	50 00
Hayden & Co., for license to sell, . . . . .	50 00
Hay sold from Water Works, . . . . .	63 00
Work on well for Waterman Smith, . . . . .	7 50
Supplies furnished by Water Works, . . . . .	114 07
Daniel Clark for coal, . . . . .	69 02
Old window sold, . . . . .	4 50
Billiard license, . . . . .	9 00
Old copper sold, . . . . .	43 75
Rent of No. 5 Ward Room lot, . . . . .	12 00
J. L. Kelly for old building, . . . . .	12 00
Board of inmates at Insane Asylum, . . . . .	22 18
Temporary Loan, . . . . .	159,120 00

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\$758,189 53

## ACCOUNTS OF APPROPRIATIONS.

### PAUPERS OFF FARM.

DR.

To Balance from last year, . . .	\$79 47	
Appropriation, . . . . .	1,200 00	
Reserved Fund, . . . . .	1,000 00	
County of Hillsbor'gh, for board of Inmates at Reform School,	2,224 29	
E. Ingham, " " . . . . .	23 14	
Fannie Wallace, " " . . . . .	70 50	
George W. Riddle, " " . . . . .	61 25	
Horace Pettee, guardian " . . . . .	26 00	
Overseers of Poor for board, &c., of Inmates of Insane Asylum,	22 18	
Town of Alexandria for burial of S. C. Kimball, . . . . .	28 00	
Town of Goffstown for burial of Kidder Child, . . . . .	16 00	
Town of Hooksett for aid to Mrs. Mary George, . . . . .	27 38	
Town of New Boston for aid to Joshua Rodgers, . . . . .	2 00	
	<hr style="width: 100%;"/>	
	4,780 21	
Balance overdrawn, . . . . .	652 70	
	<hr style="width: 100%;"/>	
		\$5,432 91

## EXPENDITURES.

CR.

By paid for board, &c., of Inmates at Reform School, . . . . .	\$3,600 61
for board of M. Gillis, N. H. Asylum, . . . . .	100 97
for board of John Connolly, N. H. Asylum, . . . . .	106 58
for board of Inmate, N. H. Asylum, . . . . .	22 18
for board of J. M. Dickey's family	20 00
for board of W. S. Dearborn, . . . . .	8 00
for board of Alfred Craig, . . . . .	40 93
for board of Etta Frost, . . . . .	99 00
J. Abbott for aid to Mrs. S. A. Haselton, . . . . .	60 00
for aid to Mrs. Toney, . . . . .	1 80
C. S. Fisher for burial of Kidder child, . . . . .	16 00
for aid to Roswell Towns, . . . . .	97 28
for rent of tenement for Mrs. Toney, . . . . .	40 00
for rent of tenement for Francis Cahill, . . . . .	13 00
for nurse to Mrs. Davis, . . . . .	96 00
for care of S. P. Greely, . . . . .	3 00
Z. F. Campbell for medicines, . . . . .	24 04
H. R. Barnard & Co., . . . . .	5 65
Fogg & James for team to Ref'm School, . . . . .	2 00
George Thayer & Son, for boots,	2 00
Mitchell & Gove, for boots, . . . . .	2 25
Town of Bow, for aid to Susan Collins, . . . . .	17 70
Moses George, cash paid for team and searching records, . . . . .	9 80

Paid for Provisions and Groceries,	\$656 67	
for Fuel. . . . .	387 45	
	<u>          </u>	\$5,432 91

## CITY FARM.

DR.

To Balance from last year, . . . .	\$385 12	
Appropriation, . . . . .	2,000 00	
Account of land sold from Farm,	6,862 58	
Receipts for labor and produce,	2,151 27	
	<u>          </u>	\$11,398 97

## EXPENDITURES.

CR.

By Supt's salary (J. Cross), 3 mos.	\$125 00
"    "    (G. Reed), 9 mos.	375 00
Paid for furniture, . . . . .	128 15
George Reed, for crockery, . . .	7 50
"    "    stoves, . . . . .	37 67
for stoves, stove furniture and repairs, . . . . .	107 04
H. S. Whitney, for plumbing and repairing pipe, . . . . .	23 87
for labor, . . . . .	444 33
for house work, . . . . .	56 75
for hardware, tools and seeds,	93 33
for tobacco, . . . . .	22 48
for boots and shoes, . . . . .	73 12
for repairing clock, . . . . .	2 00
for flour, grain and meal, . . . .	461 19
for Bible, . . . . .	1 00
for dry goods, . . . . .	222 09
for blacksmith work, . . . . .	55 42
for filing saw, . . . . .	90

Paid for groceries and provisions, .	\$762	59
for crockery, . . . . .	6	95
Reuben Morgan, for tea, . . . . .	3	50
for meat, . . . . .	136	11
for smoking hams, . . . . .	1	50
for pails, . . . . .	4	58
for repairing wagon and drag, . . . . .	6	20
for use of boar, . . . . .	3	00
for horse blanket, whip & comb . . . . .	7	25
for clothing, . . . . .	11	05
for soap, . . . . .	22	84
for potatoes, . . . . .	51	33
Thomas G. Worthley, for 1 pair oxen, . . . . .	225	00
John N. True, for 1 bull, . . . . .	40	00
Joseph Marsh for pasturage, . . . . .	43	00
S. C. Forsaith & Co., for shaft, . . . . .	1	80
for soap, . . . . .	4	50
for faucet and plow point, . . . . .	1	01
for fish, . . . . .	1	83
J. M. Robinson for repairing wall, . . . . .		50
	<hr/>	\$3,571 38

## REPAIRS CITY FARM BUILDINGS.

Paid Geo. W. Stevens, architect, . . . . .	\$150	00
Ireland & Emery per contract, . . . . .	3,845	00
Asa K. Emery extra carpenter work, . . . . .	750	21
John J. Bennett, mason work, . . . . .	335	92
A. Bodwell & Co., stone work, . . . . .	569	80
Fogg & James, team for Architect, . . . . .	27	00
Wm. McPherson, sinking well, . . . . .	484	56

Paid "N. S. Bean, No. 4," pumping out well, . . . . .	\$15 00	
Williams & Co. for soap-stone furniture, . . . . .	106 52	
Daniels & Co., for hardware, . .	41 32	
H. & H. R. Pettee, for lime & cement, . . . . .	58 43	
Concord Railroad, for freight,	1 49	
C. H. Hodgman & Co., for trucking, . . . . .	10 00	
Pike & Heald, piping building,	287 78	
D. H. Young for drain pipe, . .	48 45	
John L. Kennedy, painting and graining, . . . . .	175 91	
Amoskeag Mfg. Co. for iron doors and frames, . . . .	323 79	
Lamson & Marden for cover to well, . . . . .	6 00	
City Farm for excavation, . .	371 00	
Stewart & Robinson for plas- tering, . . . . .	81 75	
	<hr/>	\$7,689 93

## STONE SHED.

Paid Geo. W. Goffe for chestnut posts, . . . . .	\$19 00	
Daniels & Co., hardware, . .	7 96	
for labor, . . . . .	110 10	
	<hr/>	137 06
		<hr/>
Amount, . . . . .	\$11,398 37	
Balance to new account, . .		60
		<hr/>
		\$11,398 97

CITY TEAMS.		Dr.
To Balance from old account, . . . . .	\$244 04	
Appropriation, . . . . .	1,600 00	
Fire Department, . . . . .	1,600 00	
Reserved Fund, . . . . .	350 00	
Revenue account for work, . . . . .	1,834 00	
	<hr/>	\$5,628 04

EXPENDITURES.		Cr.
Paid Geo. W. Butterfield, teamster, . . . . .	\$379 00	
Augustus Merrill, " . . . . .	394 00	
Augustus Robie, " . . . . .	432 00	
Fogg & James, doctoring horse, . . . . .	5 00	
M. C. Derby, " . . . . .	163 50	
Z. F. Campbell for medicine, . . . . .	2 44	
S. F. Murry, " . . . . .	18 16	
for hooks and nails, . . . . .	2 45	
for making grain-chest, . . . . .	9 40	
for shoeing horses, . . . . .	217 10	
for making and repairing carts, . . . . .	448 18	
for hay and bedding, . . . . .	1,215 66	
for grain and meal, . . . . .	1,053 33	
for repairing pump, . . . . .	1 00	
for pails, oil, soap, &c., . . . . .	17 89	
for gas, . . . . .	2 97	
harnesses and repairs, . . . . .	186 25	
for 4 blankets, . . . . .	38 00	
for rubber coat, . . . . .	9 00	
Russell White for expense to Nashua, . . . . .	1 10	
B. C. Kendall for expense to Nashua, . . . . .	2 75	



Paid for 1 pair black horses,	. \$1,000 00	
		<hr/>
Amount,	. \$5,599 18	
Balance to new account,	. 28 86	
		<hr/>
		\$5,628 04

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### HIGHWAY DISTRICT No. 1.

		Dr.
To Balance from last year,	. \$144 30	
Appropriation,	. 200 00	
Reserved Fund,	. 225 00	
		<hr/>
		\$569 30

### EXPENDITURES.

		Cr.
By paid John Campbell, Supt.,	. \$37 88	
Laborers,	. 220 38	
for teams,	. 207 50	
for 2 picks & repairing picks,	. 2 50	
		<hr/>
Amount,	. \$518 26	
Balance to new account,	. 51 04	
		<hr/>
		\$569 30

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### HIGHWAY DISTRICT No. 2.

		Dr.
To Balance from old account,	. \$48 97	
Appropriation,	. 12,000 00	
Reserved Fund,	. 1,000 00	
Warren Harvey, work of teams,	81 00	
Waterman Smith, work on well,	7 50	
		<hr/>
		\$13,137 47

## EXPENDITURES.

CR.

By paid Russell White. Supt., . . .	\$378 00	
William T. Evans. Supt., . . .	291 00	
for lumber, . . . . .	1 67	
for tools, . . . . .	249 42	
for work of city teams, . . . . .	935 50	
for work of other teams, . . . . .	1,181 25	
for work of teamsters, . . . . .	977 50	
for laborers, . . . . .	6,423 43	
for blacksmith work, . . . . .	252 41	
for rubber boots, . . . . .	19 00	
for mason work, . . . . .	19 50	
for tape measure, . . . . .	1 50	
for pails, oil, dippers, etc., . . . . .	13 61	
for Engineer's services, . . . . .	150 00	
for concrete crossings, . . . . .	2,059 46	
for stone chips, . . . . .	24 00	
for covering-stones for culvert, . . . . .	24 00	
for whitewashing tree-boxes, . . . . .	28 00	
Amount, . . . . .	\$13,029 73	
Balance to new account, . . . . .	107 74	
	<u>          </u>	\$13,137 47

## HIGHWAY DISTRICT NO. 3.

DR.

To Balance from last year, . . . . .	\$10 44	
Appropriation, . . . . .	800 00	
	<u>          </u>	\$810 44

## EXPENDITURES.

CR.

By paid D. F. Miller, Supt., . . . . .	\$162 00
for laborers, . . . . .	304 99

By paid for work of teams, . . . . .	\$269 00	
for blacksmith work, . . . . .	2 85	
for lumber, . . . . .	5 25	
for gravel, . . . . .	46 40	
pick and handle, . . . . .	2 30	
	<hr/>	
Amount, . . . . .	\$793 06	
Balance to new account, . . . . .	17 38	
	<hr/>	\$810 44

## HIGHWAY DISTRICT NO. 4.

Dr.

To Balance from last year, . . . . .	\$119 97	
Appropriation, . . . . .	300 00	
Reserved fund, . . . . .	180 00	
W. P. Richardson, discount on lumber, . . . . .	1 50	
	<hr/>	\$601 47

## EXPENDITURES.

By paid C. C. Webster, Supt., . . . . .	\$9 00	
John P. Moore, " . . . . .	36 00	
for laborers, . . . . .	215 23	
for work of teams, . . . . .	89 12	
for stone culvert, . . . . .	15 09	
for plank and timber for bridge, . . . . .	236 42	
for nails and spikes, . . . . .	5 88	
	<hr/>	
Amount, . . . . .	\$597 75	
Balance to new account, . . . . .	3 72	
	<hr/>	\$601 47

## HIGHWAY DISTRICT NO. 5.

		Dr.
To Balance from last year, . . . . .	\$8 75	
Appropriation, . . . . .	500 00	
Reserved fund, . . . . .	110 00	
	<hr/>	\$618 75

## EXPENDITURES.

		Cr.
By paid for labor, . . . . .	\$504 59	
for teams, . . . . .	151 11	
for lumber, . . . . .	113 90	
for gravel, . . . . .	12 02	
for stone, . . . . .	3 55	
for shovel and pick, . . . . .	2 57	
	<hr/>	
Amount, . . . . .	\$618 07	
Balance to new account, . . . . .	68	
	<hr/>	\$618 75

## HIGHWAY DISTRICT NO. 6.

		Dr.
To Balance from last year, . . . . .	\$130 18	
Appropriation, . . . . .	300 00	
Reserved fund, . . . . .	50 60	
	<hr/>	\$480 18

## EXPENDITURES.

		Cr.
By paid Daniel H. Dickey, Supt., . . . . .	\$37 09	
for laborers, . . . . .	266 87	
for teams, . . . . .	130 04	
	<hr/>	
Amount, . . . . .	\$463 91	
Balance to new account, . . . . .	16 27	
	<hr/>	\$480 18

## HIGHWAY DISTRICT NO. 7.

To Balance from last year, . . . .	\$5 76	
Appropriation, . . . . .	600 00	
Reserved fund, . . . . .	50 00	
J. B. Eastman, overdraft (re- funded), . . . . .	61 67	
	<hr/>	\$717 43

## EXPENDITURES.

		CR.
By paid Peter O. Woodman, Supt.,	\$48 00	
Joseph Marsh, Supt., . . . . .	17 50	
for work of teams, . . . . .	154 18	
for laborers, . . . . .	371 06	
for plank, . . . . .	15 02	
	<hr/>	
Amount, . . . . .	\$605 76	
* Balance to new account, . . . . .	111 67	
	<hr/>	\$717 43

## HIGHWAY DISTRICT NO. 8.

		DR.
To Balance from last year, . . . .	\$210 21	
Appropriation, . . . . .	350 00	
Reserved Fund, . . . . .	50 00	
	<hr/>	\$610 21

## EXPENDITURES.

		CR.
By paid William Parsley, Supt., . .	\$120 50	
for work of teams, . . . . .	92 75	
for laborers, . . . . .	334 74	
for shovel and pick handle, . . . .	1 78	

By paid for nails, . . . . .	\$0 36	
for repairing tools, . . . . .	1 10	
	<u>          </u>	
Amount, . . . . .	\$551 23	
Balance to new account, . . . . .	58 98	
	<u>          </u>	\$610 21

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HIGHWAY DISTRICT NO. 9.

		DR.
To Balance from last year, . . . . .	\$85 47	
Appropriation, . . . . .	300 00	
Reserved Fund, . . . . .	50 00	
	<u>          </u>	\$435 47

EXPENDITURES.

		CR.
By paid A. W. Corning, Supt., . . . . .	\$41 00	
for work of teams, . . . . .	58 97	
for laborers, . . . . .	241 22	
Clough & Foster for lumber for bridge, . . . . .	82 72	
Concord Railroad, for freight on lumber, . . . . .	8 00	
	<u>          </u>	
Amount, . . . . .	\$431 91	
Balance to new account, . . . . .	3 56	
	<u>          </u>	\$435 47

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HIGHWAY DISTRICT NO. 10.

		DR.
To Balance from last year, . . . . .	\$248 64	
Appropriation, . . . . .	800 00	
Reserved Fund, . . . . .	150 00	
	<u>          </u>	\$1,198 64

EXPENDITURES.	CR.
By paid Samuel Brown, Supt., . . . . .	\$197 50
for work of teams, . . . . .	221 75
for laborers, . . . . .	563 20
for tools, . . . . .	77 30
blacksmith work, . . . . .	12 40
oil, lanterns, wicking, etc., . . . . .	7 52
spikes, . . . . .	3 60
brick, . . . . .	4 20
A. C. Wallace for lumber, . . . . .	133 83
G. H. Allen, for establishing line of Main street, . . . . .	56 50
	<hr/>
Amount, . . . . .	\$1,187 85
Balance to new account, . . . . .	10 79
	<hr/>
	\$1,198 64

### HIGHWAY DISTRICT NO. 11.

	DR.
To Balance from last year, . . . . .	\$21 19
Appropriation, . . . . .	1,000 00
Reserved Fund, . . . . .	80 00
	<hr/>
	\$1,101 19

EXPENDITURES.	CR.
By paid D. L. Robinson, Supt., . . . . .	\$62 51
Albert A. Partridge, Supt., . . . . .	131 00
for work of teams, . . . . .	185 45
for labor, . . . . .	378 37
for blacksmith work, . . . . .	2 41
nails, . . . . .	26 09
5 1-2 perch stone, . . . . .	22 00
1 spade, 2 shovels, 1 bar, 1 pick, and 3 hoes, . . . . .	10 35

By paid for laying sidewalk, . . . . .	\$38 03	
Daniel Farmer for lumber, . . . . .	17 50	
A. C. Wallace for lumber, . . . . .	96 24	
David Wells for lumber, . . . . .	131 15	
	<u>          </u>	
Amount, . . . . .	\$1,101 10	
Balance to new account, . . . . .	09	
	<u>          </u>	\$1,101 19

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HIGHWAY DISTRICT NO. 12.

		DR.
To Balance from last year, . . . . .	\$10 47	
Appropriation, . . . . .	400 00	
	<u>          </u>	\$410 47

EXPENDITURES.

		CR.
By City Farm for labor of men, . . . . .	\$298 00	
"    "    work of teams, . . . . .	70 50	
Waterman Smith for breaking roads, . . . . .	24 00	
	<u>          </u>	
Amount, . . . . .	\$392 50	
Balance to new account, . . . . .	17 97	
	<u>          </u>	\$410 47

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HIGHWAY DISTRICT NO. 13.

		DR.
To Balance from last year, . . . . .	\$22 83	
Appropriation, . . . . .	250 00	
Reserved Fund, . . . . .	25 00	
	<u>          </u>	\$297 83



## EXPENDITURES.

		Cr.
By paid Eben Carr, Superintendent,	\$56 25	
for work of teams, . . . . .	67 25	
for labor, . . . . .	155 25	
for gravel, . . . . .	2 00	
for tools, . . . . .	9 80	
	<hr/>	
Amount, . . . . .	290 55	
Balance to new account, . . . . .	7 28	
	<hr/>	
		\$297 83

## NEW HIGHWAYS.

		Dr.
To Balance from last year, . . . . .	\$333 10	
Appropriation, . . . . .	10,000 00	
	<hr/>	
		\$10,333 10

## EXPENDITURES.

		Cr.
By paid Wm. T. Evans, Supt., . . . . .	\$57 00	
Samuel Brown, Jr., Supt., . . . . .	36 00	
for labor, . . . . .	2,696 52	
George H. Allen, engineer, . . . . .	380 79	
Fogg and James, for teams for committee, . . . . .	12 00	
Luther Campbell, grading Beech street, . . . . .	497 75	
Warren Harvey, grading Beech street, . . . . .	215 00	
John P. Young, grading Milton street, . . . . .	175 00	
Taylor & Clark, for laying con- crete on south side of Concord street, . . . . .	235 50	

By paid Hackett & Fisher, do., . . .	\$208 50	
George Holbrook, for moving fence on south side of Con- cord street, . . . . .	40 40	
for stone monuments, . . . . .	3 00	
for work of city teams, . . . . .	253 50	
for work of other teams, . . . . .	798 50	
for work of teamsters, . . . . .	145 00	
A. W. Sanborn & Co., for repair- ing plow, . . . . .	6 00	
A. Bodwell, for stone wall at south end of Elm street, . . . . .	184 00	
J. M. Chandler, for powder, fuse, &c., . . . . .	50 35	
R. W. Flanders, for blacksmith work, . . . . .	38 30	
H. S. Whitney, for drain pipe, . . . . .	12 75	
J. L. Smith & Co., for grade stakes, . . . . .	7 37	
Frank Sanborn, for gravel, . . . . .	129 55	
		<hr/>
Amount, . . . . .	\$3,182 78	
Balance to new account, . . . . .	4,150 32	
		<hr/>
		\$10,333 10

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GRANITE BRIDGE.

To Balance from last year, . . . . .	\$116 45	Dr.
Reserved Fund, . . . . .	150 00	
		<hr/>
		\$265 45

## EXPENDITURES.

Cr.

By paid Albert J. Sawyer, for plank,	\$209 58	
Warren Harvey, for team work,	10 00	
for labor, . . . . .	38 35	
	<hr/>	
Amount, . . . . .	257 93	
Balance to new account, . . . . .	8 52	
	<hr/>	\$266 45

## AMOSKEAG FALLS BRIDGE.

Dr.

To Balance from last year, . . . . .	\$399 38	
Appropriation, . . . . .	200 00	
	<hr/>	\$599 38

## EXPENDITURES.

Cr.

By paid A. C. Wallace, for lumber,	\$121 25	
W. C. Rogers, for nails, . . . . .	5 00	
Muzzy Brothers, for oil, . . . . .	12 00	
T. L. Quimby, for lighting 4 gas lights, . . . . .	60 00	
for labor, . . . . .	7 00	
	<hr/>	
Amount, . . . . .	205 25	
Balance to new account, . . . . .	394 13	
	<hr/>	\$599 38

## SEWERS AND DRAINS.

Dr.

To Balance from old account, . . . . .	\$331 50
Appropriation, . . . . .	10,000 00

To Reserved Fund, . . . . .	\$1,010 00	
Fees received for entering sewers	918 37	
Cash received for stones sold by Samuel Brown, Jr., . . . . .	113 00	
	—————	\$12,372 87

## EXPENDITURES.

Cr.

By paid David H. Young, for pipe,	\$3,640 71
William McPherson, “ . . . . .	434 04
Nashua Drain Pipe Co., “ . . . . .	283 50
H. S. Whitney, “ . . . . .	276 90
Temple McQueston, “ . . . . .	22 50
Concord R. R. freight on “ . . . . .	7 97
Drake & Carpenter, for cement,	99 17
H. & H. R. Pettee, “ . . . . .	338 80
City Hall, for brick, . . . . .	23 80
E. L. Brown, for brick, . . . . .	44 00
D. B. Eastman, for brick, . . . . .	282 15
N. & W. F. Head, for brick, . . . . .	243 60
Concord R. R., freight on brick,	20 00
David Wells, for plank, . . . . .	58 97
Clough & Foster, for plank, . . . . .	2 50
A. J. Sawyer, for plank, . . . . .	4 21
Geo. W. Thayer & Co., for rub- ber boots, . . . . .	9 00
Plumer & Chandler for oil-cloth suit, . . . . .	12 50
Plumer & Chandler, rubber coat,	4 25
H. Fradd & Co. for oil, &c., . . . . .	11 97
Lewis Rice for damage to house by blasting, . . . . .	10 00
John B. Varick for tools, . . . . .	35 56
Barr & Clapp for tools, powder and fuse, . . . . .	107 15

By paid R. W. Flanders, repairing tools, . . . . .	\$31 90	
Putnam Jenkins, . . . . .	130 60	
A. P. Frye, . . . . .	17 15	
A. H. Lowell for castings, . . . . .	279 98	
Henry W. Clapp for castings, . . . . .	39 00	
G. H. Allen, engineering, . . . . .	159 00	
Geo. Holbrook for tool box and mortar bed, . . . . .	20 75	
N. B. Tilton for laying brick, . . . . .	170 00	
Gilman Tucker " . . . . .	64 75	
Benj. W. Robinson " . . . . .	98 00	
Chas. H. Robinson " . . . . .	10 00	
Hilas Dickey " . . . . .	32 00	
City teams, . . . . .	36 00	
Other teams, . . . . .	245 63	
J. L. Smith, stakes and lumber, . . . . .	50 00	
for labor, . . . . .	4,814 10	
Saml. Brown, jr., Supt., . . . . .	150 00	
Wm. T. Evans, Supt., . . . . .	42 00	
	<hr/>	
Amount, . . . . .	\$12,363 41	
Balance to new account, . . . . .	9 46	
	<hr/>	\$12,372 87

## RESERVOIRS.

To Balance from last year, . . . . .	DR.	\$1,761 45
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## EXPENDITURES.

By paid J. B. Varick for lock and bolts, . . . . .	\$2 00	CR.
Pike & Heald for work, . . . . .	6 50	
H. & H. R. Pettee for cement, . . . . .	2 75	

By paid Geo. Holbrook, carpenter work, . . . . .	\$174 26	
Henry Fisher, care of Reservoirs,	108 33	
B. W. Robinson, mason work,	4 00	
Henry French, carpenter work,	30 24	
for labor, . . . . .	184 50	
A. Bodwell, for stone work, . .	200 00	
work of city teams, . . . . .	17 00	
	<hr/>	
Amount, . . . . .	\$729 58	
Transferred to reserved fund, .	1,000 00	
Balance to new account, . . . .	31 87	
	<hr/>	\$1,761 45

## COMMONS.

DR.

To Balance from last year, . . .	\$42 06	
Appropriation, . . . . .	1,500 00	
Reserved Fund, . . . . .	2,000 00	
Receipts for grass, . . . . .	49 00	
	<hr/>	\$3,591 06

## EXPENDITURES.

CR.

By paid Oliver Gay for edge stone for south side of Mk. sq., . . .	\$395 20
G. H. Kimball for edge stone for south side of Mk. sq., . . .	5 00
Geo. H. Allen for engineering, . .	62 00
H. J. Poor for 2 casks nails, . . .	9 87
Geo. H. Dorr, selling grass, . . .	2 00
Hackett & Fisher for concreting walk, Mk. square, . . . . .	309 00
E. L. Brown for concreting walk, Mk. square, . . . . .	103 30

By paid E. L. Brown for concreting walk, Concord square, . . .	\$119 63	
Geo. Holbrook, repairing fence, . . .	12 75	
A. Dinsmore for plank, . . . . .	23 79	
G. F. Moore, laying brick, . . . . .	23 50	
W. Ireland for building fence, Concord square, . . . . .	86 74	
Job Team for moving tool chest, . . .	1 75	
G. H. Kimball for building wall, Hanover square, . . . . .	979 00	
A. H. Lowell for settees, . . . . .	156 00	
A. H. Daniels for hinges & bolts, . . .	2 74	
John L. Kennedy for painting Mk. square fence, . . . . .	150 27	
Clark & Garland, setting edge stone, Concord square, . . . . .	30 30	
Kimball & Bunton, edge stones on Concord square, . . . . .	199 55	
John L. Kennedy for painting tree-boxes, . . . . .	4 00	
for laborers on Hanover square, . . .	871 47	
Amount, . . . . .	\$3,547 86	
Balance to new account, . . . . .	43 20	
	<hr/>	\$3,591 06

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VALLEY CEMETERY.

		Dr.
To Appropriation, . . . . .	\$2,000 00	
Reserved Fund, . . . . .	300 00	
Receipts for tomb fees, . . . . .	37 25	
"    "    logs, . . . . .	637 91	
"    "    lots, . . . . .	276 30	
"    "    interest, . . . . .	8 84	
	<hr/>	\$3,269 30

## EXPENDITURES.

Cr.

By paid Gilman H. Kimball, bal. for wall, . . . . .	\$1,602 50
Gilman H. Kimball, excavating for wall, . . . . .	25 00
A. H. Daniels & Co. for tools, .	8 13
H. & H. R. Pettee for cement, .	2 60
A. H. Lowell for castings, .	33 05
Geo. Holbrook, repairing fence,	82 00
I. D. Palmer, repairing monu- ment, . . . . .	10 50
John B. Clarke for printing, .	12 00
T. McQueston for drain pipe, .	22 50
H. H. Philbrick for labor, .	12 00
Benj. Stevens " " .	433 35
Wm. C. Chase " " .	316 77
Plumer C. Webster for labor, .	22 75
William Howe " " .	77 00
David Allen " " .	17 60
Michael Hogan " " .	9 62
James Victory " " .	10 50
John Welch " " .	14 00
John O'Neil " " .	5 25
Larry McCarty " " .	10 50
James Donovan " " .	45 00
Thomas Downs " " .	19 87
A. B. Chase " " .	78 00
Warren Harvey for team, .	40 00
John Campbell " " .	30 00
Joseph Rich " " .	30 00
	<hr/>
Amount, . . . . .	\$2,970 49
Balance to new account, .	289 81
	<hr/>
	\$3,260 30



## PINE GROVE CEMETERY.

		DR.
To Balance from last year, . . .	\$1,050 22	
Reserved fund, . . . . .	350 00	
Receipts, . . . . .	2,286 88	
	<hr/>	\$3,687 10

## EXPENDITURES.

		CR.
By paid Wm. C. Chase for labor, . . .	\$247 28	
Granville Haselton " " . . .	484 00	
Kadmiel Haselton " " . . .	36 00	
J. & J. A. Poor for water-right, . . .	150 00	
Fogg & James for teams for committee, . . . . .	18 50	
Pike & Heald for pipe & strainer, . . .	5 99	
J. L. Kennedy for painting, . . .	13 20	
A. H. Lowell for iron fence, . . .	1,490 50	
John B. Clarke for printing, . . .	7 75	
Campbell & Hanscom for printing . . .	7 00	
Jos. B. Sawyer for salary, plans, cash paid, etc., . . . . .	219 59	
Daniels & Co. for pump, tubing and ladder, . . . . .	18 02	
Daniels & Co. for tools and oil cask, . . . . .	4 30	
A. C. Wallace for lumber, . . .	21 38	
J. Q. A. Sargent, . . . . .	22 28	
	<hr/>	
Amount, . . . . .	\$2,745 79	
Balance to new account, . . .	941 31	
	<hr/>	\$3,687 10

## FIRE DEPARTMENT.

DR.

To Balance from last year, . . .	\$224 48	
Appropriation, . . . . .	15,000 00	
Overdrafts, refunded, . . . . .	10 06	
	<hr/>	\$15,234 54

## EXPENDITURES.

CR.

## AMOSKEAG STEAMER COMPANY, NO. 1.

By paid pay-roll of members, . . .	\$825 00	
Geo. W. Butterfield, teamster, . . .	60 00	
Wm. H. Straw, teamster, . . . . .	21 00	
E. P. Johnson & Co. for wood and coal, . . . . .	80 32	
L. B. Bodwell & Co. for wood and coal, . . . . .	2 70	
C. N. Harvey, for wood and coal, . . .	4 20	
Robert Heath, " " " " . . . . .	27 00	
A. Merrill for carrying in coal, . . .	83	
Clough & Foster for wood, . . . . .	4 05	
M. Handly for sawing wood, . . . . .	15 95	
B. F. Fogg for repairing pipe, . . . . .	4 05	
Manchester Gas Light Co. for gas, . . .	27 48	
D. S. Ames for whip and repair- ing harness, . . . . .	4 95	
John B. Varick for oil and turpen- tine, . . . . .	6 31	
A. W. Sanborn for repairs, . . . . .	8 25	
Pike & Heald for repairs, . . . . .	20 47	
Daniels & Co. for pulley and hooks, . . . . .	1 87	
Loeke & Demick for matches, . . . . .	2 10	
Concord Railroad for freight, . . . . .	1 54	
	<hr/>	\$1,081 13

## FIRE KING STEAMER, NO. 2.

By paid pay roll of members, . . . . .	\$825 00	
A. Merrill, teamster, . . . . .	60 00	
A. Merrill for putting in coal, . . . . .	83	
Clough & Foster for wood, . . . . .	4 05	
C. N. Harvey " " . . . . .	4 20	
Robert Heath " " . . . . .	27 00	
E. P. Johnson & Co. for wood and coal, . . . . .	84 32	
L. B. Bodwell & Co. for wood and coal, . . . . .	5 70	
Ed. Bresnahan for sawing wood, . . . . .	8 70	
Manchester Gas Light Co. for gas, . . . . .	69 39	
Daniels & Co. for oil, spirits and rotten stone, . . . . .	4 97	
Daniels & Co. for hose, . . . . .	7 39	
Pike & Heald for repairing stove, pump, etc., . . . . .	32 78	
E. Branch for harness and straps, . . . . .	161 87	
Locke & Demick for matches, . . . . .	1 65	
Amoskeag Mfg. Co. for repairs and waste, . . . . .	80 32	
T. A. Lane for gas burners, . . . . .	1 50	
B. C. Kendall for cash paid for express, . . . . .	1 30	
John B. Varick for rubber hose, . . . . .	6 25	
	<hr/>	\$1,387 42

## E. W. HARRINGTON STEAMER, NO. 3.

By paid salary of members, bal. for 1872, . . . . .	\$25 00
salary of members for 1873, . . . . .	840 00
A. C. Wallace, for team to haul engine, . . . . .	75 00

By paid A. C. Wallace for wood, . . .	\$4 50	
Manchester Gas-Light Co. for gas,	11 88	
for plating trumpet, . . . . .	7 75	
Joseph Schofield for labor, . . . .	7 50	
John B. Varick for shovel, . . . . .	1 50	
Isaac S. Coffin for repairs, . . . . .	5 25	
Chas. O'Shaughnessy for repairs,	50 00	
Amoskeag Manuf'g Co., repairs,	39 55	
H. Fradd & Co. for supplies, . . . .	6 60	
D. J. Warren for team, . . . . .	6 60	
		<hr/> \$1,081 13

## N. S. BEAN STEAMER, NO. 4.

By paid pay roll of members, . . . . .	\$825 00	
pay roll of members, 1872, bal.	200 00	
A. Robie, teamster, . . . . .	60 00	
Manchester Gas-Light Co. for gas,	47 79	
A. Merrill for carrying in coal, . . .	84	
E. P. Johnson & Co. for wood and coal, . . . . .	80 33	
L. B. Bodwell, for wood, . . . . .	2 70	
Robert Heath, " . . . . .	25 20	
Clough & Foster, " . . . . .	4 05	
C. N. Harvey, " . . . . .	4 20	
T. Bresnahan, for sawing wood,	15 20	
R. W. Flanders, for rep. chains,	3 00	
Pike & Heald, repairing stoves and pump, . . . . .	15 45	
Locke & Demick, matches, etc.,	2 95	
Amoskeag Manuf'g. Co. for re- pairs and waste, . . . . .	15 30	
John B. Varick for oil, spirits, etc.,	3 00	
Edwin Branch, for whip, . . . . .	3 00	
D. S. Ames, for rep'ng harness,	6 00	
		<hr/> \$1,314 01

## EXCELSIOR HOOK AND LADDER COMPANY, NO. 1.

By paid pay roll of members, . . .	\$1,600 30	
Manchester Gas-Light Co. for gas, . . .	51 57	
T. R. Hubbard, for wood, . . .	2 00	
Clough & Foster, for wood, . . .	4 05	
R. Heath, for wood, . . .	27 00	
L. B. Bodwell & Co., for wood, . . .	2 70	
C. N. Harvey for wood, . . .	4 20	
E. P. Johnson & Co. for wood, . . .	5 70	
Ed. Bresnahan for sawing wood, . . .	7 20	
Daniels & Co. for rope and hooks, . . .	13 46	
A. W. Sanborn & Co. for repairs on carriage, . . . . .	94 72	
Wm. H. Raymond for team, . . .	1 50	
S. S. James & Bro., " . . .	3 00	
J. W. Abbott for team, . . .	1 50	
Geo. Holbrook for repairs, . . .	2 00	
J. B. Varick, hose and pipe, . . .	16 05	
Pike & Heald for oil, pipe and repairing stove, . . . . .	3 71	
	<hr/>	\$1,840 66

## PENNACOOK HOSE COMPANY, NO. 1.

By paid pay-roll of members, . . .	\$1,095 00
Manchester Gas-Light Co. for gas, . . .	18 90
Amoskeag Manuf'g Co. for re- pairs, . . . . .	34 00
A. W. Sanborn & Co. for repairs, . . .	9 00
Geo. Holbrook for repairs, . . .	1 75
B. F. Fogg for repairs of gas pipe, . . .	1 80
Pike & Heald for repairs of stoves and pump, . . . . .	11 57
S. Pushee for repairing jacket, . . .	1 00

By paid Daniels & Co. for rope & oil,	\$14 23
for feather duster, . . . . .	3 00
B. C. Kendall, cash paid express,	11 45
L. B. Bodwell & Co. for wood, .	2 70
C. N. Harvey for wood, . . . . .	4 20
Clough & Foster for wood, . . . . .	4 05
E. P. Johnson & Co. for wood, . . . . .	5 70
R. Heath for wood, . . . . .	27 00
T. Bresnahan for sawing wood, . . . . .	7 20
S. S. James & Bro. for team, . . . . .	49 50
for pipe, . . . . .	26 00
T. A. Lane for gas burners, . . . . .	3 03
H. C. Merrill for soap, . . . . .	72
Locke & Demick for matches, . . . . .	55
James G. Knights, soap and labor, . . . . .	1 25
	———— \$1,333 60

## MISCELLANEOUS.

By paid Wm. T. Evans, for examin- ing stoves, . . . . .	\$42 00
John B. Clarke, for printing re- ports, . . . . .	50 25
A. Ferren & Co. for oil cloth for engineer's room, . . . . .	25 54
F. N. McLaren for pole straps, . . . . .	3 50
Daniels & Co. for oil, . . . . .	7 55
George P. Palmer for oil, . . . . .	17 50
J. B. Varick for hardware, . . . . .	10 46
E. R. Coburn for paper, . . . . .	5 00
T. A. Lane, gas burners, . . . . .	3 69
U. S. & C. Express, . . . . .	55
for water rent, . . . . .	39 00
A. H. Daniels for rope, . . . . .	12 24
S. S. James & Bro. for team, . . . . .	4 00

By paid L. B. Bodwell & Co. for fuel,	\$3 00	
J. Rowley for waste, . . . . .	2 00	
for mattress, . . . . .	5 00	
A. F. Perry for medicine, . . . . .	7 93	
Charles A. Smith for bed-pan, . . . . .	1 75	
J. Q. A. Sargent for use of inva- lid bed, . . . . .	15 00	
J. Q. A. Sargent for piping en- gine house, . . . . .	147 85	
J. Q. A. Sargent for piping en- gineers' room, . . . . .	8 80	
Wm. Parker, jr. for lamp and can,	1 37	
Charles Williams, jr. for light- ning arrester, . . . . .	3 00	
A. L. Robertson for watching at fires, . . . . .	1 25	
L. E. Pike, watching at fires, . . . . .	1 25	
Pike & Heald for repairing pipe,	50	
New York Belting & Packing Co. for hose dressing, . . . . .	210 00	
Allen Fire Department Sup. Co. hose and couplings, . . . . .	153 41	
William A. Torrey & Co. for hose and couplings, . . . . .	61 75	
Newell & Stickney for hose, . . . . .	2,309 50	
N. E. Linen Hose Co. for hose,	125 00	
J. Stickney for repairing hose, . . . . .	20 50	
F. N. McLaren for straps for hose at Goffe's Falls, . . . . .	9 72	
H. A. Winship for 5 hats for en- gineers, . . . . .	40 00	
	-----	\$3,349 86
B. C. Kendall, care of telegraph,		301 00
B. C. Kendall for salary, . . . . .	115 00	
Wilberforce Ireland for salary, . . . . .	90 00	

By paid A. H. Lowell, for salary, . . . . .	\$65 00	
A. C. Wallace, " . . . . .	65 00	
Freeman Higgins, " . . . . .	65 00	
	<hr/>	\$400 00
Appropriation for teams transferred, . . . . .		1,600 00
		<hr/>
Amount, . . . . .		\$13,725 75
Balance to new account, . . . . .		1,508 79
		<hr/>
		\$15,234 54

## POLICE DEPARTMENT.

DR.

To Balance from old account, . . . . .	\$41 32	
Appropriation, . . . . .	10,000 00	
Receipts for costs and fines, . . . . .	9,162 86	
"    old stove, . . . . .	17 56	
	<hr/>	\$19,221 74

## EXPENDITURES.

CR.

By paid Samuel Upton, Police Justice, salary, . . . . .	\$1,000 00
Samuel Upton, rent 1 quarter, . . . . .	12 50
E. M. Topliff, Special Justice, . . . . .	8 00
Thomas Savage, " " . . . . .	2 00
H. E. Burnham, " " . . . . .	30 00
Wm. B. Patten, City Marshal, salary, . . . . .	41 60
Wm. B. Patten for cash paid, . . . . .	8 47
Gilman H. Kimball, City Marshal, salary, . . . . .	914 50
Gilman H. Kimball for traveling expenses, . . . . .	25 00



By paid John D. Howard, asst. marshal, salary, . . . . .	833 92
John D. Howard for team, . . . . .	21 50
Daniel R. Prescott, asst. marshal, salary, . . . . .	743 20
Daniel R. Prescott for team, . . . . .	274 50
Daniel R. Prescott, burying nuisances, . . . . .	55 86
Daniel R. Prescott, expense to Concord, . . . . .	3 50
W. G. Everett for team, . . . . .	1 00
S. S. James & Bro. for team, . . . . .	16 00
Fogg & James for team, . . . . .	6 25
G. H. Kimball, cash pd. witness fees, &c., . . . . .	43 58
for provisions for prisoners and travelers, . . . . .	154 90
for burying nuisances, . . . . .	14 50
for bedding, . . . . .	89 50
G. B. Fogg for repairing locks, . . . . .	11 00
H. C. Merrill, pails, matches, &c., . . . . .	9 00
T. R. Hubbard for repairing furniture, . . . . .	14 00
S. E. Dinsmore for desk, . . . . .	7 00
J. B. Jones for 7 prs. blankets, . . . . .	30 37
G. H. Kimball for badges, . . . . .	12 15
G. H. Kimball for blank books, . . . . .	8 75
P. C. Cheney & Co. for waste, . . . . .	1 54
Geo. E. Hersey for medical visit, . . . . .	3 00
S. F. Murry for sulphur, . . . . .	25
Thos. H. Tuson printing blanks, . . . . .	4 50
Pike & Heald for rep. stove, . . . . .	18 80
L. B. Bodwell & Co. for fuel, . . . . .	248 76
"Schools" for fuel, . . . . .	117 90
James Collins for fuel, . . . . .	2 00

By paid H. C. Sanborn for fuel, . . . . .	\$9 31	
William Stevens, putting in fuel, . . . . .	18 25	
for washing, . . . . .	86 85	
D. R. Prescott for soap, crash, &c., . . . . .	3 86	
Daniels & Co., oil, . . . . .	8 60	
A. M. Eastman, oil & matches, . . . . .	4 50	
Doane & Greenough for court blanks, . . . . .	11 00	
W. H. Fisk for court blanks, . . . . .	21 10	
J. V. Sullivan for stationery, . . . . .	10 44	
W. H. Fisk for stationery, . . . . .	2 50	
Campbell & Hanscom for adver- tising, . . . . .	43 49	
John B. Clarke for printing and advertising, . . . . .	120 00	
* Moore & Peasley for printing, . . . . .	14 75	
Manchester Water-Works for water, . . . . .	30 00	
Manchester Gas Light Co. for gas, . . . . .	496 00	
		<hr/> \$4,869 95

## NIGHT WATCHMEN.

Thos. L. Quimby, captain, . . . . .	\$912 50
Patrick Doyle, . . . . .	317 25
James Duffy, . . . . .	731 26
John C. Colburn, . . . . .	776 25
H. H. Noyes, . . . . .	821 25
Hiram Stearns, . . . . .	821 25
Edward Bonner, . . . . .	798 75
Samuel Boyce, . . . . .	699 75
George L. Stearns, . . . . .	672 75
David Thayer, . . . . .	160 89
James Bucklin, . . . . .	742 50
John F. Cassidy, . . . . .	748 25

John W. Webster, . . . .	\$740 25
W. H. B. Newhall, . . . .	805 50
Luther A. Ward, . . . .	455 63
B. F. Philbrick, . . . .	190 12
Charles W. Berry, . . . .	112 50
Benj. Stevens, . . . .	153 00
William Stevens, . . . .	91 27
James G. Knights, . . . .	33 76
Horatio W. Longa, . . . .	23 64
William G. Westover, . . . .	23 58
John Field, . . . .	27 00
H. H. Philbrick, . . . .	24 76
John D. Howard, . . . .	13 54
E. P. Cogswell, . . . .	19 14
Henry Bennett, . . . .	16 88
Edward Wyman, . . . .	11 26
Charles H. Patten, . . . .	65 25
Thomas Lynch, . . . .	12 38
David T. Burleigh, . . . .	5 50
George W. Varnum, . . . .	10 13
A. F. Hebard, . . . .	7 88
Samuel L. Mitchell, . . . .	9 00
T. P. Heath, . . . .	3 38
Benjamin W. Robinson, . . . .	3 38
Albert F. Quimby, . . . .	2 25
Henry B. Fairbanks, . . . .	2 25
Ferdinand Pfefferkorn, . . . .	1 13
Charles Canfield, . . . .	4 51
E. F. Hebard, . . . .	1 13
Horatio Fradd, . . . .	7 88
Albert H. Merrill, . . . .	4 50
Russell O. Burleigh, . . . .	2 25
Charles W. Barker, . . . .	4 50
Page S. Griffin, . . . .	2 25
B. J. Robinson, . . . .	1 13

## DAY POLICE.

Horatio W. Longa, . . . .	\$816 75
John D. Howard, . . . .	723 39
Patrick Doyle, . . . .	400 50
Henry Bennett, . . . .	83 26
Thomas L. Quimby, . . . .	68 28
James Duffy, . . . .	124 91
Edward Bonner, . . . .	63 02
H. H. Noyes, . . . .	55 14
Benjamin F. Philbrick, . . . .	101 25
Charles F. Berry, . . . .	92 38
George W. Varnum, . . . .	93 26
John W. Webster, . . . .	47 27
George L. Stearns, . . . .	45 01
James Bucklin, . . . .	41 65
Hiram Stearns, . . . .	33 76
John F. Cassidy, . . . .	38 52
John C. Colburn, . . . .	38 27
William H. B. Newhall, . . . .	37 13
Luther A. Ward, . . . .	31 52
H. H. Philbrick, . . . .	23 63
William G. Westover, . . . .	15 76
Samuel Boyce, . . . .	34 91
Orrin D. Carpenter, . . . .	10 12
David Thayer, . . . .	14 63
Benjamin Stevens, . . . .	14 62
C. C. Colby, . . . .	9 00
Samuel L. Mitchell, . . . .	9 00
Samuel Clark, . . . .	9 00
Elbridge G. Woodman, . . . .	9 00
John Waters, . . . .	10 00
James G. Knight, . . . .	9 01
Ephraim G. Hastings, . . . .	7 88
Augustus Merrill, . . . .	6 62
Thomas Howe, . . . .	5 63

Henry Hammond, . . . .	\$4 50
James E. Clough, . . . .	4 50
John E. Floyd, . . . .	4 50
Ferdinand Pfeifferkorn, . . . .	4 50
John Field, . . . .	6 75
George C. Batchelder, . . . .	3 38
J. P. Burroughs, . . . .	3 38
Edward Linchan, . . . .	3 38
Charles H. Reed, . . . .	3 37
G. H. Dickerman, . . . .	2 25
Horatio Fradd, . . . .	2 25
John Patterson, . . . .	2 25
N. B. Abbott, . . . .	2 25
Groves Brown, . . . .	2 25
E. P. Cogswell, . . . .	2 25
H. C. Sullivan, . . . .	2 25
John Roby, . . . .	2 26
Russell O. Burleigh, . . . .	2 25
Edward Wyman, . . . .	2 25
Charles H. Patten, . . . .	1 13
Henry B. Fairbanks, . . . .	1 13
John D. Edgerly, . . . .	1 13
E. F. Hebard, . . . .	1 13
Franklin Goss, . . . .	1 13
Albert H. Merrill, . . . .	1 13
Albert Story, . . . .	1 13
James M. Jewell, . . . .	1 13
J. F. Sargent, . . . .	1 13
B. J. Robinson, . . . .	1 13
Charles C. Frost, . . . .	1 13
George C. Cox, . . . .	1 13
	<hr/>
	3,199 52
Amount, . . . .	\$19,164 63
Balance to new account, . . . .	57 11
	<hr/>
	\$19,221 74

## SALARIES OF OFFICERS.

	DR.
To Balance from last year, . . . . .	\$65 69
Appropriation, . . . . .	10,000 00
	<u>          </u> \$10,065 69

## EXPENDITURES.

	CR.
By paid Chas. H. Bartlett, Mayor, . . . . .	\$137 00
John P. Newell, " . . . . .	887 26
Joseph E. Bennett, city clerk, . . . . .	1,000 00
Henry R. Chamberlin, treas., . . . . .	1,000 00
Wm. G. Everett, collector, . . . . .	1,000 00
Wm. Stevens, messenger, . . . . .	600 00
John H. Andrews, solicitor, . . . . .	100 00
Sylvanus B. Putnam, clerk of council, . . . . .	100 00
	<u>          </u> \$4,824 26

## ASSESSING TAXES.

Moses O. Pearson, clerk, . . . . .	\$201 00
Horace P. Simpson, . . . . .	201 00
Nicholas Nichols, . . . . .	201 00
George W. Pinkerton, . . . . .	216 00
Thomas Howe, . . . . .	120 00
Isaac D. Palmer, . . . . .	137 50
Isaac Whittemore, . . . . .	170 50
H. Fradd, . . . . .	120 00
Daniel Farmer, . . . . .	150 00
Joseph H. Haynes, . . . . .	201 00
	<u>          </u> \$1,718 00

## ABATING TAXES.

Moses O. Pearson, . . . . .	\$60 00
Horace P. Simpson, . . . . .	48 00

Nicholas Nichols, . . .	\$36 00	
George W. Pinkerton, . . .	120 00	
Thomas Howe, . . .	36 00	
Isaac D. Palmer, . . .	36 00	
Horatio Fradd, . . .	36 00	
Daniel Farmer, . . .	36 00	
	<hr/>	\$408 00

## INSPECTORS OF CHECK LISTS.

Moses O. Pearson, . . .	\$30 00	
Horace P. Simpson, . . .	30 00	
Nicholas Nichols, . . .	30 00	
Geo. W. Pinkerton, . . .	30 00	
Thomas Howe, . . .	30 00	
Isaac D. Palmer, . . .	30 00	
Horatio Fradd, . . .	30 00	
Daniel Farmer, . . .	30 00	
Isaac Whittemore, . . .	30 00	
	<hr/>	\$270 00
Oscar D. Abbott, city physician,		\$50 00

## BOARD OF HEALTH.

Oscar D. Abbott, . . .	\$25 00	
G. H. Kimball, . . .	25 00	
D. R. Prescott, . . .	25 00	
	<hr/>	\$75 00

## SCHOOL BOARD.

Joseph G. Edgerly, supt. pub. instruction, . . .	\$1,800 00
Henry E. Burnham, . . .	10 00
Marshall P. Hall, clerk, . . .	35 00

Daniel Clark, . . . .	\$10 00
Nathan P. Hunt, . . . .	10 00
Frank J. Murray, . . . .	10 00
Frank G. Clark, . . . .	3 25
Edwin Kennedy, . . . .	6 75
George P. Rockwell, . . . .	10 00
George H. Colby, . . . .	10 00
John P. Newell, . . . .	10 00
Charles A. Smith, . . . .	10 00
	<hr/>
	\$1,925 00

## OVERSEERS OF POOR.

Samuel S. Moulton, . . . .	\$25 00
Sayward J. Young, . . . .	25 00
Jeremiah Stickney, . . . .	25 00
Moses E. George, clerk, . . . .	75 00
John Horan, . . . .	12 50
Patrick A. Devine, . . . .	12 50
Jeremiah Abbott, . . . .	25 00
Allen N. Clapp, . . . .	25 00
Geo. S. Chandler, . . . .	25 00
	<hr/>
	\$250 00

## WARD OFFICERS.

## MODERATORS.

Charles Canfield, . . . .	\$3 00
John D. Powell, . . . .	3 00
John P. Newell, . . . .	3 00
Moulton Knowles, . . . .	3 00
Daniel F. Healy, . . . .	3 00
Geo. H. Dudley, . . . .	3 00
C. C. Favor, . . . .	3 00
Hiram Stearns, . . . .	3 00



## CLERKS.

Charles H. Osgood, . . .	\$5 00
Herman F. Straw, . . .	5 00
Henry S. Clark, . . .	5 00
Samuel S. Piper, . . .	5 00
Edward Egan, . . .	2 50
John J. Hayes, . . .	2 50
Daniel R. Prescott, . . .	5 00
George F. Perry, . . .	5 00
Charles M. Stevens, . . .	5 00

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 \$40 00

## SELECTMEN.

Horace C. Page, . . .	5 00
F. W. McKinley, . . .	5 00
Willis P. Fogg, . . .	5 00
Edwin H. Hobbs, . . .	5 00
John N. Marshall, . . .	5 00
John H. Rano, . . .	5 00
James Sutcliffe, . . .	5 00
Charles A. Pierce, . . .	5 00
Henry F. Morse, . . .	5 00
Augustus Wagner, . . .	5 00
Jasper P. George, . . .	5 00
Gustavus M. Sanborn, . . .	5 00
George Fox, . . .	5 00
Daniel Connor, . . .	5 00
William Howe, . . .	5 00
Groves Brown, . . .	5 00
Henry A. Gage, . . .	5 00
John B. Huse, . . .	5 00
John T. Dyson, . . .	5 00
Guy B. Dunham, . . .	5 00

Melzer E. Beard, . . . .	\$5 00	
Madison Gerry, . . . .	5 00	
George H. Colby, . . . .	5 00	
Thomas P. Frost, . . . .	5 00	
	<hr/>	\$120 00
Amount, . . . . .		\$9,704 26
Balance to new account, . . . .		361 43
		<hr/>
		\$10,065 69

## LIGHTING STREETS.

		Dr.
To Balance from last year, . . . .	\$16 83	
Appropriation, . . . . .	4,500 00	
Reserved fund, . . . . .	60 00	
	<hr/>	\$4,576 83

## EXPENDITURES.

		Cr.
By paid Manchester Gas Light Co.		
for gas, . . . . .	\$2,660 00	
Manchester Gas Light Co. for		
lighting, . . . . .	1,255 48	
Manchester Gas Light Co. for		
repairs, . . . . .	144 70	
Pike & Heald for repairs, . . . .	143 89	
W. F. Sleeper & Co. for oil, . . . .	8 60	
Sawyer Bros. & Co. " " . . . .	7 00	
Barr & Clapp " " . . . . .	24 62	
Chas. A. Smith for chimneys,		
wicking, etc., . . . . .	18 59	
H. H. Noyes for lighting lamps		
at Squog, . . . . .	20 75	

H. C. Dickey for lighting lamps at Bakersville, . . . . .	\$20 00	
A. H. Lowell for lamp posts, . . . . .	266 00	
	<hr/>	
Amount, . . . . .	\$4,569 63	
Balance to new account, . . . . .	7 20	
	<hr/>	\$4,576 83

## MILITIA.

		Dr.
To Appropriation, . . . . .		\$650 00

## EXPENDITURES.

		Cr.
By paid Amoskeag Veterans, . . . . .	\$100 00	
Clark Guards, . . . . .	100 00	
Sheridan Guards, . . . . .	100 00	
Manchester Veterans, . . . . .	100 00	
1st N. H. Battery, sect. "B." . . . .	100 00	
Straw Rifles, . . . . .	8 33	
Head Guards, . . . . .	100 00	
	<hr/>	
Amount, . . . . .	\$608 33	
Balance to new account, . . . . .	41 67	
	<hr/>	\$650 00

## PRINTING AND STATIONERY.

		Dr.
To Balance from last year, . . . . .	\$52 00	
Appropriation, . . . . .	2,000 00	
Reserved fund, . . . . .	400 00	
	<hr/>	\$2,452 00

## EXPENDITURES.

Cr.

By paid for books and stationery for City Clerk's office :

George C. Hoitt, . . . . .	\$88 75
Wm. H. Fisk, . . . . .	11 53
F. B. Eaton, . . . . .	14 37
John A. S. Jacobs, . . . . .	2 50
J. V. Sullivan, . . . . .	3 74
Doane & Greenough, . . . . .	4 75
Thos. H. Tuson, . . . . .	10 00
E. Whiting, . . . . .	2 75
Manchester Post Office, . . . . .	17 22

## COLLECTOR AND TREASURER'S OFFICE.

Doane & Greenough, . . . . .	\$105 95
William H. Fisk, . . . . .	24 07
John A. S. Jacobs, . . . . .	2 30
Manchester Post Office, . . . . .	86 00
William G. Everett, . . . . .	4 00
Campbell & Hanscom, for print- ing and advertising, . . . . .	179 79
Moore & Peasley, for printing, . . . . .	29 00
C. F. Livingston, for printing, . . . . .	105 35
John B. Clarke, for printing and advertising, . . . . .	1,345 95
Wm. H. Fisk, blank books for assessors, . . . . .	67 68
George H. Allen, for paper, . . . . .	28 27
Dan. R. Prescott, for stationery, . . . . .	24
S. Slade Piper, " " . . . . .	43
Republican Press Association, for advertising, . . . . .	12 00
Julius Mayer & Co., charts of Water-Works, . . . . .	284 00
Amount, . . . . .	<u>2,430 64</u>
Balance to new account, . . . . .	21 36

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 \$2,452 00

## INCIDENTAL EXPENSES.

DR.

To Balance from last year, . . . . .	\$279 88	
Appropriation, . . . . .	14,000 00	
Reserved Fund, . . . . .	7,000 00	
	<hr/>	\$21,279 88

## EXPENDITURES.

CR.

By paid C. S. Fisher, for removing and burying bodies, . . . . .	\$19 00
P. A. Devine, burying bodies from pest-house, . . . . .	33 00
A. W. Sanborn & Co., for repair- ing hearse, . . . . .	33 00
J. B. McCrillis, for repairing and storing hearse, . . . . .	10 25
Josiah Harvey, for loam for set- ting trees, . . . . .	2 50
H. B. Sloan, for costs in suits, . . . . .	25 00
Jason Weston, damage to garden Hillsborough County for costs on execution, . . . . .	12 43
John H. Andrews, for docketts, fees and telegrams, . . . . .	50 25
A. D. Sherer, for services at pest- house, . . . . .	381 50
R. J. P. Goodwin, for medical attendance at pest-house, . . . . .	24 00
O. D. Abbott, for medical attend- ance in small-pox cases, . . . . .	12 00
W. W. Wilkins, for medical at- tendance in small-pox cases, . . . . .	3 00
C. Chenette, for runners to pest- house carriage, . . . . .	40 00

G. H. Kimball, for disinfectants for pest-house, . . . . .	\$8 40
Z. F. Campbell, for disinfectants for pest-house, . . . . .	13 93
Pike & Heald, for repairing stove at pest-house, . . . . .	2 85
Piper & Hawley, for cloth for pest- house, . . . . .	3 87
Holton & Sprague, for cloth for pest-house, . . . . .	2 10
D. Libby, washer, for pest-house	6 25
A. H. Daniels & Co., for wringer for pest-house, . . . . .	10 00
O. D. Abbott, for vaccination, .	303 50
O. D. Abbott & A. L. Tremblay, for vaccination, . . . . .	88 00
John Ferguson, for vaccination,	82 00
M. Richards, for vaccination, .	192 00
M. Richards, care of small-pox patients, . . . . .	33 00
J. Q. A. Sargent, for repairing watering troughs, . . . . .	35 00
George H. Dudley, for shade tree destroyed, . . . . .	3 50
James Mitchell, for injury to house lot, . . . . .	40 00
E. S. Harvey, for injury to per- son by fall of bridge, . . . .	1,100 00
Mark E. Harvey, for injury to person by fall of bridge, . . .	1,000 00
Camille Duquette, for injury to person by fall of bridge, . . .	7,000 00
Wm. F. Lahey, for injury to per- son by defect in highway, . . .	50 17
David Allen, for injury to person by defect in street, . . . . .	50 00

Delia Sippet, for injury to person by defect in street, . . . .	\$500 00
Patrick Harrington, for injury to person by defect in street, . . . .	120 17
Mary Cash, for injury to person by defect in street, . . . .	175 00
Patrick Warren, for injury to person by defect in street, . . . .	50 00
John R. Hanson, for damage to wagon by defect in street, . . . .	4 50
Damon Y. Stearns, for damage to wagon by defect in street, . . . .	21 84
Hugh Couroy, for defense of snit John Hosley, for cash paid con- testing election, 1865, . . . .	26 00
D. R. Prescott, summoning wit- nesses, . . . . .	50 00
D. R. Prescott, summoning wit- nesses, . . . . .	10 22
Obadiah Jackson, for earth taken from lot, . . . . .	30 00
L. D. Colby, for damage to sheep by dogs, . . . . .	10 00
Melendy & Carpenter, for burial of body of E. A. Pease, . . . . .	17 00
Clark & Huse, for services as counsel, . . . . .	92 00
Briggs & Huse, for services as counsel, . . . . .	20 00
Cross & Burnham, for services as counsel, . . . . .	40 00
Isaac W. Smith, for services as counsel, . . . . .	156 45
Cheney & Whittemore, for boxes Stearns & Allen, for numbering streets, . . . . .	1 20
G. H. Allen, for numbering sts.,	17 50
	39 75

G. H. Allen, for team, . . . . .	\$10 00
Stearns & Allen, for establishing grades for sidewalks, . . . . .	17 50
Joseph E. Bennett, for making annual report, . . . . .	125 00
Joseph E. Bennett, cash paid for express, . . . . .	3 43
Hill & Co., for express, . . . . .	7 75
James F. Putnam, for bounty subscription refunded, . . . . .	5 94
James E. Clough, for cleaning vaults, . . . . .	34 00
Manchester Gas Light Co., for gas for ward room, . . . . .	1 08
Edwin Kennedy, for team to post warrants, . . . . .	1 50
C. B. Clarkson, for team to post warrants, . . . . .	1 50
D. R. Prescott, for team to notify jurors, . . . . .	6 00
H. R. Chamberlin, for telegrams, . . . . .	2 06
H. R. Chamberlin, note reporter, . . . . .	1 50
H. R. Chamberlin, expense to Boston, . . . . .	3 80
Manchester Water-Works, for water near Woodbury's, . . . . .	6 75
Wm. Parker, jr., for dippers and chains, . . . . .	5 55
E. Cutting, for stone work on roll way, city hall, . . . . .	6 00
L. A. Proctor, for shade trees, . . . . .	29 25
A. J. Sawyer, lumber for coal shed, . . . . .	36 42
George Holbrook, building coal shed, . . . . .	199 72



R. M. Yale, for union flag, . . . . .	\$80 25
George Holbrook, making tree boxes, . . . . .	86 10
H. C. Sullivan, repairing south scales, . . . . .	12 96
Wm. Stevens, repairing flag, . . . . .	1 50
John D. Linus, gratuity, . . . . .	350 00
Bill Posting Co., posting health notices, . . . . .	4 20
M. V. B. Kinne, for work on trough, . . . . .	7 39
E. P. Richardson, for copy of amendment to charter, . . . . .	2 00
J. E. Bennett, for team for com- mittees, . . . . .	2 25
J. P. Newell, for team, . . . . .	64 35
S. S. James & Bro., for team, . . . . .	1 00
R. A. Lawrence, for team, . . . . .	5 00
Wm. G. Everett, paid Dep. Sec. State for copying Non. Res. Tax list, . . . . .	7 00
Wm. G. Everett, paid G. W. Pinkerton for making bills, . . . . .	18 00
Wm. G. Everett, paid Jos. H. Haynes for making bills, . . . . .	18 00
Wm. G. Everett, paid express, . . . . .	40
W. W. Brown, for returns of births and deaths, . . . . .	12 25
W. W. Brown, for medical con- sultation, . . . . .	5 00
O. D. Abbott, for medical con- sultation, . . . . .	8 00
George A. Crosby, for medical consultation, . . . . .	8 00

Western Telegraph Co., for reporting time, . . . . .	812 50
Western Telegraph Co., for messages, . . . . .	2 67
G. H. Allen, running lines of Massabesic street, . . . . .	4 50
J. L. Kennedy, marking tape, . . . . .	75
Charles Williams, stove for No. 3 ward room, . . . . .	13 45
Fogg & James, teams for committees, . . . . .	44 75
Lamson & Marden, for monuments, . . . . .	3 00
Fred Swett, for right of way, . . . . .	10 00
J. H. Bufford & Sons, for maps of south end, . . . . .	100 00
John Lee, for damage to land, . . . . .	15 00
L. B. Bodwell & Co., wood for ward room, . . . . .	4 75
Barr & Clapp, for glass for Bowman house, broken by blasting, . . . . .	2 35
D. H. Young, whitewashing tree boxes, . . . . .	12 00
A. J. Lane, piping for watering trough, . . . . .	15 22
Amount, . . . . .	13,601 47
Reserved Fund, . . . . .	1,910 00
	<hr/>
	15,811 47
Balance to new account, . . . . .	5,468 41
	<hr/>
	\$21,279 88

## CITY HALL.

Dr.

To Balance from last year, . . .	\$947 06	
Appropriation, . . . . .	5,000 00	
Receipts for store rent, . . .	2,026 00	
"    "    Hall    "    . . .	333 00	
"    "    overdraft, . . .	287 00	
"    "    old iron & copper, . . .	60 35	
"    "    brick, . . . . .	51 50	
"    "    old windows, . . . . .	4 50	
	<hr/>	\$8,709 41

## EXPENDITURES.

## REPAIRS AND ALTERATIONS.

Cr.

By paid Daniels & Co. for hardware, . . .	\$212 75
A. H. Lowell for window weights, . . .	6 04
Pike & Heald for pipe and re- pairing stoves, . . . . .	100 29
Augustus G. Stevens, archi- tect (bal.), . . . . .	50 00
N. & W. F. Head for brick, . . .	1,058 00
A. C. Wallace for lumber, . . . . .	47 94
J. J. Bennett for brick masonry, . . .	383 88
E. G. Haynes for plastering, . . . . .	138 77
C. C. Fisk for whitewashing, . . . . .	49 75
H. & H. R. Pettee for lime and cement, . . . . .	71 10
Charles Bunton for iron work, . . . . .	13 63
Marshall Bros. for building par- tition, . . . . .	8 85
Concord R. R., freight on bricks, . . .	17 50
S. C. Forsaith & Co., castings, . . . . .	67 27
Geo. F. Worthley for teaming, . . . . .	30 00

E. Cutting for stone work, . . . . .	72	25	
E. Young for stone work, . . . . .	8	00	
J. Q. A. Sargent for piping and gas fixtures, . . . . .	756	13	
Walter Neal for carpenter work, . . . . .	1,207	60	
D. H. Young for soil pipe, . . . . .	267	64	
Morss & Whyte for wire netting, . . . . .	44	00	
Colley & Kelly for painting, . . . . .	870	36	
Fairbanks & Folsom, furnaces, . . . . .	310	73	
Barton & Co. for carpeting, . . . . .	143	16	
A. G. Fairbanks for chairs, . . . . .	82	50	
J. V. Sullivan for painting signs, . . . . .	15	00	
	<hr/>		\$6,043 14

## REPAIRING BELL TOWER.

A. C. Wallace for lumber, . . . . .	\$59	92	
Walter Neal for carpenter work, . . . . .	357	22	
B. W. Robinson for brick work, . . . . .	55	71	
J. C. Young for roofing, . . . . .	70	34	
	<hr/>		\$543 29
Manchester Gas Light Co., gas, . . . . .	246	47	
L. B. Bodwell & Co. for fuel, . . . . .	375	48	
Schools for fuel, . . . . .	78	60	
Israel M. Young for fuel, . . . . .	6	50	
S. F. Murry for disinfectant, . . . . .	3	25	
C. R. Colley for painting, . . . . .	47	74	
John L. Kennedy, setting glass, for washing, . . . . .	30	55	
	39	40	
Straw & Lovejoy, repairing clocks, . . . . .	28	86	
G. B. Fogg for repairing locks, . . . . .	13	70	
John Q. A. Sargent for hose and repairing pipe, . . . . .	12	00	
Straw & Lovejoy for 5 clocks, . . . . .	117	00	
L. A. Proctor for cleaning vault, . . . . .	8	00	

Pike & Heald for stoves, brooms, and repairs, . . . . .	90 67
Pike & Heald, repairing water pipe, . . . . .	39 91
J. Tuck & Co. for cleaning and laying carpets, . . . . .	10 25
T. R. Hubbard for laying carpet,	3 48
H. C. Merrill for matches, . . . . .	66
Daniels & Co. for duster, hard- ware, &c., . . . . .	9 93
Chas. A. Smith for dusters and water cooler, . . . . .	26 26
Fairbanks & Folsom for repairing stoves and furnaces, . . . . .	9 83
A. O. Parker for furniture, . . . . .	74 25
Chas. A. Smith for spittoons, . . . . .	14 19
J. Stickney for enamel cloth, . . . . .	2 12
Thomas A. Lane for repairing clock hammer, . . . . .	3 65
D. M. Goodwin for tin cases, . . . . .	10 00
J. L. Smith, lumber for book case,	5 36
Geo. H. Dudley for making same,	17 50
J. M. Chandler & Co., for pail, waste, &c., . . . . .	2 97
J. L. Kennedy, painting School Committee's Room, . . . . .	16 14
Geo. Holbrook, making coal bin,	11 50
E. R. Sargent for table, . . . . .	18 00
J. Twombly for repairing walk,	7 00
Stark Mills, cloth for awning, . . . . .	13 80
J. V. Sullivan, making awning,	5 00
B. F. Fogg for gas fixtures, . . . . .	6 03
for repairing soil pipe, . . . . .	17 19
Manchester Water-Works, water rent, . . . . .	60 00

H. R. Chamberlin for cash paid,	4 03	
George Holbrook, carpenter work,	29 68	
J. S. Holt for soap, . . . . .	11 49	
		<hr/>
		\$1,529 55
Amount, . . . . .		<hr/>
		\$8,115 98
Balance to new account, . . . . .		593 45
		<hr/>
		\$8,709 41

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CITY LIBRARY.

DR.

To Balance from last year, . . . . .	\$95 83	
Appropriation, . . . . .	3,750 00	
		<hr/>
		\$3,845 83

## EXPENDITURES.

CR.

By paid annual appropriation for books, . . . . .	\$1,000 00
C. H. Marshall, Librarian salary,	800 00
Manchester Gas Light Co., gas,	198 18
E. P. Johnson & Co. for fuel, . . . . .	265 76
Schools for coal, . . . . .	343 87
Foster & Clough for insurance, . . . . .	32 50
Geo. W. Merriam for iron-work,	3 87
Manchester Water-Works for wa- ter rent, . . . . .	11 07
Wm. H. Fisk for binding books,	224 59
Henry French for making steps,	7 45
John B. Clarke for printing, . . . . .	72 68
C. F. Livingston for printing, . . . . .	31 75
D. Allen for cutting grass, . . . . .	1 75

R. Gilchrist for spittoons, . . . . .	4 00	
Campbell & Hanscom for printing, . . . . .	26 00	
		<hr/>
Amount, . . . . .	\$3,023 47	
Balance to new account, . . . . .	822 36	
		<hr/>
		\$3,845 83

## PAVING STREETS.

DR.

To Balance from last year, . . . . .	\$10 00	
Appropriation, . . . . .	8,000 00	
Rec'd of J. Q. A. Sargent for work, . . . . .	12 00	
		<hr/>
		\$8,022 00

## EXPENDITURES.

CR.

By paid W. T. Evans, Supt., . . . . .	72 00
Samuel Brown, jr., Supt., . . . . .	6 00
John Eaton for paving blocks, . . . . .	331 47
Oliver Gay for paving blocks, . . . . .	22 50
Daniel W. Garland for paving blocks, . . . . .	429 00
P. E. Blanchard for paving blocks, . . . . .	167 60
Kimball & Bunton for paving blocks, . . . . .	3,088 86
G. H. Kimball for flagging, . . . . .	54 40
Hackett & Fisher, cobble stone, . . . . .	13 87
Waterman Smith, " " . . . . .	25 00
E. L. Brown, " " . . . . .	16 25
Geo. F. Worthley, " " . . . . .	52 50
Theophile Sargent, " " . . . . .	14 63
Thomas Wilson, " " . . . . .	5 00
John H. Proctor, " " . . . . .	34 50

City teams, . . . . .	172 50	
Other teams, . . . . .	537 00	
Teamsters, . . . . .	115 00	
Laborers, . . . . .	2,249 80	
R. W. Flanders, repairing tools,	14 85	
Geo. H. Allen, engineering, . .	134 00	
Westover & Cate, straight edge,	5 25	
J. L. Smith, stakes, . . . . .	22 00	
A. C. Wallace, stakes, . . . . .	6 45	
Tools, . . . . .	34 40	
		<hr/>
Amount, . . . . .	\$7,614 83	
Balance to new account, . . . .	407 17	
		<hr/>
		\$8,022 00

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WATERING STREETS.

		DR.
To Balance from last year, . . .	\$6 80	
Appropriation, . . . . .	800 00	
Reserved fund, . . . . .	20 00	
		<hr/>
		\$826 80

EXPENDITURES.

		CR.
By paid John Campbell for team and teamster, . . . . .	\$207 50	
Samuel Brown, jr., for team and teamster, . . . . .	471 25	
for repairing cart, . . . . .	88 08	
freight on sprinkler from Concord,	2 70	
Amoskeag Co. No. 1, for filling sprinkler, . . . . .	27 20	



Fire King Co. No. 2, for filling sprinkler, . . . . .	22 00	
N. S. Bean Co. No. 4, for filling sprinkler, . . . . .	8 00	
	<hr/>	
Amount, . . . . .	\$826 73	
Balance to new account, . . . . .	07	
	<hr/>	\$826 80

## DISCOUNT ON TAXES.

		DR.
To Balance from old account, . . . . .	\$171 90	
Appropriation, . . . . .	5,000 00	
Reserved fund, . . . . .	821 43	
	<hr/>	\$5,993 33

## EXPENDITURES.

		CR.
By paid sundry persons for discounts on taxes for 1873, paid prior to Aug., 1873, . . . . .		\$5,993 33

## ABATEMENT OF TAXES.

		DR.
To Balance from last year, . . . . .	\$896 00	
Reserved fund, . . . . .	670 00	
	<hr/>	\$1,566 00

## EXPENDITURES.

		CR.
By paid Gilman H. Kimball for wa- tering trough, 1865, . . . . .		3 00
Gilman H. Kimball for watering trough, 1866, . . . . .		3 00

1867.

Gilman H. Kimball for watering trough, . . . . .	3 00	
Hall & Kimball, overtax, . . . . .	6 84	
John H. Clark, paid in Canada,	4 91	
Chas. Yerrington, minor, . . . . .	4 91	
E. W. Farley, wrong, . . . . .	2 04	
Joseph Clement, taxed twice, . . . . .	4 91	
B. W. Bartlett, poor, . . . . .	4 91	
Bernard Williams, poor, . . . . .	4 91	
Joshua K. Hastings, poor, . . . . .	4 91	
William H. Perkins, poor, . . . . .	5 61	
	<hr/>	\$46 65

1868.

John Calef, for watering trough,	3 00	
Gilman Kimball, " " . . . . .	3 00	
Bernard Williams, poor, . . . . .	3 15	
Joshua K. Hastings, " . . . . .	3 15	
Wm. H. Perkins, " . . . . .	4 24	
James King, " . . . . .	22 90	
	<hr/>	\$39 44

1869.

Gilman H. Kimball, for water- ing trough, . . . . .	3 00	
John Calef, for watering trough,	3 00	
Bernard Williams, poor, . . . . .	3 72	
Joshua K. Hastings, " . . . . .	3 72	
John H. Clark, paid in Canada,	3 72	
Thomas Frain, minor, . . . . .	3 72	
Andrew Hunter, taxed twice, . . . . .	3 72	
George W. Wells, taxed wrong,	14 14	
	<hr/>	\$38 74

1870.

Bernard Williams, poor, . . . . .	3 27
Baxter P. Goodale, " . . . . .	3 27

Joshua K. Hastings, “ . . .	3 27
Samuel P. Greeley, “ . . .	3 27
Gilman H. Kimball, for watering trough, . . . . .	3 00
John Calef, for watering trough,	3 00
Orrin W. Batchelder, not here, .	3 27
George Smith, left city, . . .	3 27
Newell Brown, “ “ . . . .	3 27
Gorham Eaton, paid in Sanborn- ton, . . . . .	3 27
Albinus P. Philbrick, paid in Lowell, . . . . .	3 27
John Drown, paid in Bow, . . .	3 27
Henry H. Whitcomb, paid in Warner, . . . . .	3 27
Frank W. McKinley, paid in Auburn, . . . . .	3 27
Benjamin S. Stewart, paid in Auburn, . . . . .	3 27
William Dolber, paid in Candia,	3 27
Edward Ray, overtaxed, . . . .	7 67
John S. Elliott, “ . . . .	14 17
J. W. D. Knowlton, dead, . . .	4 27
George W. Nichols, wrong, . . .	38 15
James Dunn, minor, . . . . .	3 27
William H. Wyman, minor, . . .	3 27
Charles Norton, “ . . . . .	3 27
Michael Talty, over 70, . . . .	3 27
John Murphy, one arm, . . . .	3 27

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 \$132 39

## 1871.

Bernard Williams, poor, . . . .	5 12
Samuel A. Cheney, “ . . . .	3 12
Baxter P. Goodale, “ . . . .	3 12
Patrick McKeon, “ . . . . .	3 12
David Hutchins, “ . . . . .	3 12

David P. Haselton, poor, . . .	3 12
Samuel P. Greeley, " . . .	3 12
Benjamin H. Chase, overtaxed,	17 76
H. H. Fuller, . . . " . . .	10 40
Ellen P. Pearson, " . . .	4 64
Ebenezer Sargent, over 70, . . .	3 12
Michael Talty, " " . . .	3 12
Owen Sullivan, " " . . .	3 12
Narcisse Gamarche, minor, . . .	3 12
Miles Foster, . . . " . . .	3 12
William E. Hulme, " . . .	3 12
Duncan McNicol, . . . " . . .	3 12
Joseph Stone, . . . " . . .	3 12
Charles Norton, . . . " . . .	3 12
Peter McLaughlin, " . . .	3 12
William H. Thayer, " . . .	3 12
William H. Wyman, " . . .	3 12
Daniel B. Martin, " . . .	3 12
Frank P. Fifield, . . . " . . .	3 12
Gorham Eaton, paid in Sanborn- ton, . . . . .	3 12
Frank W. McKinley, paid in Auburn, . . . . .	3 12
James W. Burrows, paid in Cali- fornia, . . . . .	3 12
Daniel Drown, paid in Canada, . . .	3 12
John Drown, paid in Bow, . . .	3 12
Henry H. Whitcomb, paid in Warner, . . . . .	3 12
George I. Gove, paid in Weare,	3 12
Edwin Clay, paid in Canada, . . .	3 12
Joseph Clough, paid in Bow, . . .	3 12
Frank Kendall, paid in Litchfield,	3 12
Thomas F. Ridge, paid in Ports- mouth, . . . . .	3 12
Jas. O. Ward, paid in Campton,	3 12

Benj. S. Stewart, paid in Auburn,	3 12
Geo. W. Platts, paid in London- derry, . . . . .	3 12
Edward Currier, paid in Henni- ker, . . . . .	3 12
Ransom Tasker, paid in Strafford,	3 12
A. H. Sanborn, paid in Auburn,	3 12
William Dolber, paid in Candia,	3 12
Geo. D. Colby, paid in Concord,	3 12
T. D. M. Hunt, paid in Ames- bury, . . . . .	3 12
Charles Newton, not here, . . .	3 12
George Smith, " " . . . . .	3 12
Thomas Cagan, " " . . . . .	3 12
David H. Burbank, " " . . . . .	3 12
Joseph A. Merrill, dead, . . . .	3 12
W. N. Haradon, " . . . . .	3 12
L. & B. Hanover-street, occupied by Mrs. Morrill, poor, . . . . .	12 48
Patrick McGinness, lost by fire,	6 68
Francis Gilbert, lost an arm, . .	3 12
John Murphy, " " . . . . .	3 12
Charles O. Kay, taxed twice, . . .	3 12
Samuel H. Runnels, . . . . .	3 12
Gilman H. Kimball for watering trough, . . . . .	3 00
John Young, for watering trough,	3 00
John Calef, " " . . . . .	3 00
Jas. A. Stearns, " " . . . . .	3 00
Elbridge Gerry, no dog, . . . . .	1 00
H. H. Fuller, " . . . . .	1 00
Edward W. Upton, " . . . . .	1 00
Henry H. Marshall, " . . . . .	1 00
Thomas J. Morrison, no dog, . . .	1 00
Benjamin F. Norton, " . . . . .	1 00

1872.

A. W. Sanborn, no dog, . . . .	1 00
Andrew J. Butterfield, no dog, .	1 00
Daniel L. Stevens, " . . . .	1 00
Orrin W. Batchelder, " . . . .	1 00
H. H. Ladd, " . . . .	1 00
Thomas Conner, " . . . .	1 00
John Murphy, " . . . .	1 00
N. S. Clark, " . . . .	1 00
Jonas Everett, " . . . .	1 00
Walter Severance, taxed twice,	2 24
William H. Morrill, " . . . .	1 00
Samuel B. Nichols, " . . . .	2 24
Daniel W. Garland, " . . . .	2 24
James S. Brown, " . . . .	2 24
Alfred Hall, " . . . .	2 24
Charles J. Darrah, " . . . .	2 24
Frank R. Sanborn, " . . . .	2 24
John B. Smith, " . . . .	2 24
Lot cor. Prospect & Pine streets, taxed wrong, . . . .	13 44
Lot corner Prospect & Beech streets, taxed wrong, . . . .	11 20
Charles Theilcher, taxed wrong,	2 24
Estate of Nancy B. French, taxed wrong, . . . .	11 20
Wilson Day, taxed wrong, . . . .	85
William C. Clarke, " . . . .	11 20
Alpheus Gay, " . . . .	22 40
Land next west of land of Phinehas Adams, taxed wrong, . . . .	4 48
Andrew J. Dow, taxed wrong, . .	2 24
Richard W. Nelson, wrong name,	2 24
Fred. L. Nelson, " . . . .	2 24

H. N. Pinard, " .	2 24
Saml. F. Knowles, disabled soldier, . . . . .	2 24
Daniel M. Perkins, " .	2 24
Joseph B. Clark, " .	2 24
Edward Gerah, minor, . . .	2 24
Thomas Solon, disabled soldier,	2 24
Samuel Cheney, " " .	2 24
Jerry Sheehan, " " .	2 24
Nahum A. Webster, " " .	2 24
H. W. Bickford, " " .	2 24
Samuel G. Martin, dead, . . .	2 24
Lewis Seymour, " . . .	2 24
Charles C. Clark, " . . .	2 24
Joseph A. Merrill, " . . .	2 24
William McKean, " . . .	2 24
James Millett, " . . .	2 24
Michael Scanlan, " . . .	2 24
Leroy Taylor, " . . .	2 24
Michael Mackin, " . . .	2 24
Charles P. Emery, pd. in Derry,	2 24
John S. Dennett, pd. in Pittsfield,	2 24
J. H. French, paid in Canaan, .	2 24
Samuel Swett, paid in Bedford, .	2 24
Frank Dowse, pd. in Alexandria,	2 24
Byron Richardson, paid in Hook- sett, . . . . .	2 24
John B. Sargent, pd. in Bedford,	2 24
John R. Flint, paid in Milton,	2 24
Clem Cook, paid in Lyme, .	2 24
Joseph H. Chapman, paid in Newmarket, . . . . .	2 24
George W. Cheney, paid in Somersworth, . . . . .	2 24
David Collins, pd. in Wilmot, .	2 24

Ivory S. York, pd. in Great Falls,	2 24
Wm. P. Lang, paid in Tilton, .	2 24
Fred Holt, paid in Deerfield, .	2 24
Welman M. George, pd. in Brad- ford, . . . . .	2 24
Walter S. McKean, paid in Nashua, . . . . .	2 24
P. P. Hill, paid in Springfield, .	2 24
David Page, paid in Merrimack,	2 24
Benjamin P. Brooks, paid in Greenfield, . . . . .	2 24
Albinus P. Philbrick, paid in Lowell, . . . . .	2 24
Joseph Clough, paid in Bow, .	2 24
David Jones, paid in Warner, .	2 24
Moses Dustin, paid in Henniker,	2 24
N. H. Wilson, pd. in Dunbarton,	2 24
Lewis D. Caldwell, pd. in Lowell,	2 24
John F. Clough, pd. in Meredith,	2 24
Ransom Tasker, pd. in Strafford,	2 24
Edwin A. Eastman, pd. in New- market, . . . . .	2 24
S. S. Raymond, paid in Hop- kinton, . . . . .	2 24
Wm. O. Daniels, pd. in Franklin,	2 24
George Spencer, not here, .	2 24
Martin G. Brown, " . . .	2 24
John Farrell, " . . .	2 24
James Dustin, " . . .	2 24
John Proctor Young, overtaxed,	11 20
Blodgett & Clark, " .	11 20
Jonas J. Adams, " .	3 36
Brewery Property, " .	112 00
Nathan H. Pierce, no horse, .	90
John Johnson, overtaxed, .	11 20



Joseph Mason, no stock, . . .	2 24
Ebenezer Sargent, over 70, . . .	2 24
Samuel Campbell, " " . . .	2 24
Wm. Murphy, " " . . .	2 24
Michael Talty, " " . . .	2 24
James Lyons, " " . . .	2 24
Edward Gerah, minor, . . .	2 24
Leander Flanders, " . . .	2 24
Josiah Woods, " . . .	2 24
Lewis Roberts, " . . .	2 24
Frank Boyd, " . . .	2 24
John Connor, " . . .	2 24
Wm. E. French, " . . .	2 24
Joseph Martell, " . . .	2 24
Bernard Murray, " . . .	2 24
Allen Noricon, " . . .	2 24
James Gerald, " . . .	2 24
Michael Shannon, " . . .	2 24
Benj. C. Sweat, " . . .	2 24
J. D. L. Hall, " . . .	2 24
George H. Stewart, " . . .	2 24
Lewis George, " . . .	2 24
Allard Dominic, " . . .	2 24
Henry Clark, " . . .	2 24
Louis Levesque, " . . .	2 24
Dennis McCarty, " . . .	2 24
Peter McLaughlin, " . . .	2 24
Charles A. Blood, " . . .	2 24
Wm. E. Palmer, " . . .	2 24
Jeremiah Sullivan, " . . .	2 24
Thomas Dowd, taxed twice, . . .	2 24
Rufus W. Flanders, " " . . .	2 24
Henry Downs, " " . . .	2 24
Henry T. Abbott, " " . . .	2 24
Wm. G. Spence, " " . . .	2 24

Joseph Stark, taxed twice, . . .	2 24
John Miller, " " . . .	2 24
Anton Kreiger, " " . . .	2 24
Joseph Voran, " " . . .	2 24
James A. Stearns, for watering trough, . . . . .	3 00
John Calef, for watering trough,	3 00
John B. Clark, poor, . . .	2 24
Baxter P. Goodale, poor, . . .	2 24
L. & B. Hanover-street, occupied by Mrs. Morrill, . . . . .	11 20
James Collins, poor, . . .	2 24
David Hutchins, " . . .	2 24
Charles Lodibar, " . . .	2 24
David P. Haselton, " . . .	2 24
Frank L. Wilson, " . . .	8 40
Sam. P. Greeley, " . . .	2 24
Charles N. Clark, . . . . .	2 24
Patrick McKean, disabled soldier	2 24
H. D. W. Knowlton, in Asylum,	2 24
Michael Mullens, blind, . . .	2 24
Lots 183 & 184 Laurel-st., wrong	1 34
Sarah M. Perry, poor, . . . . .	4 48

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 \$525 89

1873.

James A. Stearns, for watering trough, . . . . .	3 00
John Calef, for watering trough,	3 00
Peter McLaughlin, minor, . . .	2 50
Charles W. Goodwin, " . . .	2 50
Eugene Morrison, " . . .	2 50
Frank A. Holbrook, " . . .	2 50
Peter Carnier, " . . .	2 50
Nelson H. Evans, " . . .	2 50
Joseph H. Marston, " . . .	2 50

George Evans,	minor,	.	2 50
Patrick Austin, jr.,	"	.	2 50
William Stone,	"	.	2 50
Edwin T. Lawrence,	"	.	2 50
William Simpkins,	"	.	2 50
Napoleon About,	"	.	2 50
William Bennett,	"	.	2 50
Joseph McShea, jr.,	"	.	2 50
Gustave Weisnar,	"	.	2 50
Edward Sweeney,	"	.	2 50
Peter Brown,	"	.	2 50
Frank Meserve,	"	.	2 50
James Madden,	"	.	2 50
Arthur E. Martin,	"	.	2 50
James Roach,	"	.	2 50
Charles Sadibam,	"	.	2 50
George Nevins,	"	.	2 50
John Flynn,	"	.	2 50
George Flanders,	"	.	2 50
John Farrell,	"	.	2 50
Alton Thompson,	"	.	2 50
Edward Hynes,	"	.	2 50
Magloire Bucher,	"	.	2 50
Frank Reid,	"	.	2 50
Frank C. Wilson,	"	.	2 50
Charles Eizenzeimer,	"	.	2 50
Henry Holmes,	"	.	2 50
Byron Libenworth,	"	.	2 50
Warren Hathaway,	"	.	2 50
John Bassett,	"	.	2 50
William Burbank,	"	.	2 50
James Fitzgerald,	"	.	2 50
Frank Dockham,	"	.	2 50
B. F. Stanton, paid in Haverhill,			
Mass.,	.	.	2 50

Geo. C. Johnson, paid in Hooksett, . . . . .	2 50
Darius Ham, paid in Wolfboro',	2 50
Henry E. Stearns, paid in Bradford, Vt., . . . . .	2 50
Josiah Sanborn, paid in Londonderry, . . . . .	2 50
Edwin A. Eastman, paid in New Market, . . . . .	2 50
Edgar Farrar, paid in Hollis, .	2 50
Fred. W. Chamberlin, paid in Chester, . . . . .	2 50
Jas. O. Ward, paid in Campton,	2 50
Charles J. Darrah, paid in Bedford, . . . . .	2 50
A. J. Fifield, paid in Candia, .	2 50
O. C. Kibby, paid in Concord, .	2 50
James Gerah, paid in Chester, .	2 50
John B. Smith, paid in Hillsborough, . . . . .	2 50
Stephen Downs, paid in Newburyport, . . . . .	2 50
Chas. P. Shepherd, paid in Fisherville, . . . . .	2 50
Bradley Kidder, paid in Goffstown, . . . . .	2 50
George E. Kidder, paid in Newbury, . . . . .	2 50
S. S. Raymond, paid in Hopkinton, . . . . .	2 50
James H. French, paid in Canaan,	2 50
F. L. Gilchrist, paid in Londonderry, . . . . .	2 50
Henry Whitcomb, paid in Warner, . . . . .	2 50

Lucien Davis, paid in Taunton, Mass., . . . . .	2 50
Frank G. Chapman, paid in West Fairlee, Vt., . . . . .	2 50
Alpheus J. Stephens, paid in Am- herst, . . . . .	2 50
Charles Carr, paid in Hooksett,	2 50
James C. Osgood, paid in Pitts- field, . . . . .	2 50
Frank Roby, paid in Methuen, .	2 50
A. W. Eastman, paid in Concord,	2 50
Thomas Cox, paid in Holderness,	2 50
James Clement, paid in Warner,	2 50
Andrew J. Dow, overtaxed, .	2 50
Josiah Crosby, overtaxed, .	13 00
Timo. Sullivan, overtaxed, .	7 50
Rebecca T. Nichols, overtaxed,	5 00
Sylvester P. Fiske, overtaxed on horse, . . . . .	5 00
Ellen P. Pearson, overtaxed, .	5 00
Wm. B. Bullard, overtaxed, .	12 50
L. & B., "A" street, overtaxed,	7 50
Mrs. W. P. Jackman, overtaxed,	5 00
John W. Brown, overtaxed, .	10 00
Brewery property, overtaxed, .	125 00
Chester W. Bartlett, overtaxed,	5 00
Person C. Young, overtaxed, .	1 12
William Whittle, overtaxed, .	2 50
Lucy E. Rogers, overtaxed, .	5 00
American Water & Gas Pipe Co.,	5 00
Charles Wells, no money, .	25 00
Frank P. Carpenter, no carriage,	2 50
William McMullen, taxed twice,	2 50
Charles Kendall, taxed twice, .	2 50
Patrick Burk, taxed twice, .	2 50

John Wilson, taxed twice, . . .	2 50
Charles A. Brown, taxed twice, . . .	2 50
John Bloomquist, jr., taxed twice, . . .	2 50
Daniel Clifford, over 70, . . .	2 50
James Lyons, over 70, . . .	2 50
Owen Sullivan, over 70, . . .	2 50
Joseph N. Prescott, over 70, . . .	2 50
John Nolan, over 70, . . .	2 50
Levi Woodman, over 70, . . .	2 50
John Mullins, disabled soldier, . . .	2 50
Patrick McKeon, disabled soldier, . . .	2 50
Patrick Mahoney, disabled soldier, . . .	2 50
Joseph Goodwin, no dog, . . .	1 00
A. M. Scarlet, no dog, . . .	1 00
Holland Knowlton, no dog, . . .	1 00
Robert Costello, no dog, . . .	1 00
George M. Ford, no dog, . . .	1 00
Wm. H. Richmond, no dog, . . .	1 00
Wm. A. Babcock, no dog, . . .	1 00
Leonard Demary, no dog, . . .	1 00
J. Bradbury Cilley, no dog, . . .	1 00
Bartholomew Carmody, no dog, . . .	1 00
John S. Spencer, no dog, . . .	1 00
Thomas Bolton, no dog, . . .	1 00
Simon Rogers, no dog, . . .	1 00
Charles Cheney, no dog, . . .	1 00
Gustavus M. Sanborn, no dog, . . .	1 00
Lorenzo J. Young, no horse, . . .	1 50
James U. Prince, no horse, . . .	1 50
John Horan, dead, . . .	2 50
George F. Judkins, dead, . . .	2 50
William A. Higgins, dead, . . .	2 50
Henry Wermers, lame, . . .	2 50
Peter Tosseau, poor, . . .	2 50

David Hutchins, poor, . . .	2 50	
Julius Durpney, poor, . . .	2 50	
David P. Heselton, poor, . . .	2 50	
Samuel P. Greeley, poor, . . .	2 50	
John M. Knowles, not here, . . .	2 50	
Charles Wright, not here, . . .	2 50	
Andrew J. Dow, wrong, . . .	2 50	
Henry I. Faucher, wrong, . . .	2 50	
Henry I. Faucher & Co., wrong,	15 00	
John Calef & Cyrus Moor, wrong,	4 25	
Jules Slavin, no such person, . . .	2 50	
Almer D. Gooden, watering trough, . . . . .	3 00	
John Young, watering trough, . . .	3 00	
Gilman H. Kimball, watering trough, . . . . .	3 00	
		<hr/>
		\$542 87
		<hr/>
Amount, . . . . .		1,557 36
Balance to new account, . . . . .		8 64
		<hr/>
		\$1,566 00

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STATE TAX.

	DR.
To Appropriation, . . . . .	\$54,642 00
	CR.
By paid State Treasurer, . . . . .	\$54,642 00

## COUNTY TAX.

	DR.
To Appropriation, . . . . .	\$18,010 63
	CR.
By paid County Treasurer, . . . . .	\$18,010 63

## INTEREST.

	DR.
To Balance from last year, . . . . .	\$859 93
Appropriation, . . . . .	26,000 00
Interest on State Bonds, . . . . .	6,819 00
Balance overdrawn, . . . . .	10,743 56
	————— \$44,422 49

## EXPENDITURES.

	CR.
By paid Manchester National Bank, . . . . .	\$876 25
Amoskeag " " . . . . .	876 25
City " " . . . . .	155 76
First " " . . . . .	808 92
Edward W. Harrington, . . . . .	153 75
N. Hunt's estate, . . . . .	210 00
Lois A. Lee, . . . . .	75 00
Louisa Wilson, . . . . .	15 00
Pittsfield Savings Bank, . . . . .	61 50
Chas. H. Carpenter, . . . . .	27 90
Tower, Giddings & Torry, . . . . .	115 38
Sarah E. Knight, . . . . .	10 00
Chas. E. Balch, . . . . .	38 25
George W. Dodge, . . . . .	25 00
S. D. Bennett, . . . . .	2 50



William Stearns, . . . .	6 00
Elijah Young, . . . .	2 00
C. A. Sulloway, . . . .	11 00
Millie J. Eastman, . . . .	7 70
Mary N. Preston, . . . .	10 00
Louisa Emerson, . . . .	15 00
J. W. Whittle, . . . .	8 00
J. H. Haynes, . . . .	41 00
John Wheeler, . . . .	8 00
Charles F. Warren, . . . .	10 00
Joseph M. Emery, . . . .	17 00
William McDonald, . . . .	166 00
Andrew J. Dow, . . . .	25 00
Sarah F. McQueston, . . . .	33 33
Hiram Hill, . . . .	20 00
Nat. B. Emery, . . . .	10 00
	<hr/>
Amount, . . . . .	\$3,841 49
Coupons from City Bonds, exclu- sive of Water Bonds, . . . .	21,585 00
Coupons from Water Bonds, . . . .	18,996 00
	<hr/>
	\$44,522 49

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TEMPORARY LOAN.

	DR.
To Amt. outstanding Jan. 1, 1873,	\$2,298 57
Loans during 1873, . . . .	159,126 00
	<hr/> \$161,418 57

EXPENDITURES.

	CR.
By loans paid during the year,	\$63,000 00
outstanding loan, Dec. 31, 1873,	98,418 57
	<hr/> \$161,418 57

## REDUCTION OF FUNDED DEBT.

	DR.
To Appropriation, . . . .	\$4,000 00

## EXPENDITURES.

	CR.
By paid City Bonds, issued Aug. 1,	
1869, . . . . .	\$1,600 00
Balance to new account, . . . .	2,400 00
	<u>          </u> \$4,000 00

## COURT HOUSE.

	DR.
To Balance from last year, . . . .	\$7 88
Reserved Fund, . . . . .	850 00
	<u>          </u> \$857 88

## EXPENDITURES.

	CR.
By paid J. Q. A. Sargent for gas	
fixtures, . . . . .	\$28 84
J. Q. A. Sargent, for repairing	
furnace, . . . . .	14 58
J. Q. A. Sargent for piping for	
water, . . . . .	41 55
J. C. Sanborn, piping for water,	451 97
Thos. A. Lane, " " . . . . .	164 12
Daniels & Co. for duster, brush,	
and shovel, . . . . .	4 85
Gilman B. Fogg for keys, . . . .	1 50
Pike & Heald for repairing stoves	
and water closets, . . . . .	10 25

J. B. Sawyer, ventilating vault,	7 50	
Fairbanks & Folsom for repair- ing pipe, &c., . . . . .	25 64	
J. L. Kennedy for setting glass, and varnishing doors, . . . .	13 12	
J. J. Bennett, repairing vault, .	16 50	
Geo. H. Dudley, for repairing drawers, . . . . .	6 50	
	<hr/>	
Amount, . . . . .	\$786 92	
Balance to new account, . . .	70 96	
	<hr/>	\$857 88

## INSURANCE.

		DR.
To Balance from last year, . . .	\$41 82	
Reserved fund, . . . . .	194 37	
	<hr/>	\$236 19

## EXPENDITURES.

		CR.
By paid Geo. A. French, premium,	\$18 75	
Phœnix Ins. Co., premium, . . .	36 00	
Home Ins. Co., premium, . . . .	37 50	
Merchants & Farmers' Ins. Co. assessment, . . . . .	6 25	
Quiney Mutual Fire Ins. Co., as- sessment, . . . . .	9 75	
Equitable F. and M. Ins. Co. pre- mium, . . . . .	43 75	
Ætna Ins. Co., premium, . . . .	38 25	
Continental Ins. Co., premium,	23 44	
E. P. Richardson, . . . . .	22 50	
	<hr/>	\$236 19

## IRON FENCE ON MERRIMACK SQUARE.

	DR.
To Balance from last year, . . . . .	\$524 87

## EXPENDITURES.

		CR.
By paid A. H. Lowell for 2 1-2 feet fence, . . . . .	\$12 50	
A. H. Lowell for hanging gates, . . . . .	50 00	
	<hr/>	
Amount, . . . . .	\$62 50	
Balance to new account, . . . . .	462 37	
	<hr/>	\$524 87

## REPAIRS OF BUILDINGS.

		DR.
To Balance from old account, . . . . .	\$79 15	
Appropriation, . . . . .	1,000 00	
	<hr/>	\$1,079 15

## EXPENDITURES.

		CR.
By paid E. G. Haynes for plastering at City Library, . . . . .	\$44 64	
Walter Neal, carpenter work at City Library, . . . . .	5 75	
A. G. Stevens, Supt., . . . . .	5 00	
Pike & Heald, piping Library building, . . . . .	208 96	
P. A. Devine for repairs at No. 5 ward room, . . . . .	3 00	
J. L. Smith for lumber for No. 6 ward room, . . . . .	53 36	

City Hall for brick for No. 6 ward room, . . . . .	2 10
J. J. Abbott, for painting for No. 6 ward room, . . . . .	31 61
Fairbanks & Folsom, for stopper and zinc, . . . . .	55

## VINE STREET ENGINE HOUSE.

B. Frank Fogg, piping building,	69 55
A. J. Laue, rep. gas fixtures, . .	1 13
Joel Daniels, painting and hang- ing paper, . . . . .	22 68
Geo. Holbrook, carpenter work,	378 01
G. L. Moore, whitewashing and repairing wall, . . . . .	110 22
J. S. Kidder & Co., lime and cement, . . . . .	5 75
J. L. Kennedy, setting glass and painting, . . . . .	14 73
W. C. Rogers, locks for coal shed,	3 45
Amount, . . . . .	<u>\$960 49</u>
Balance to new account, . . . . .	118 66
	<u>\$1,079 15</u>

## FIRE ALARM TELEGRAPH.

		DR.
To Appropriation, . . . . .	\$4,000 00	
Reserved fund, . . . . .	1,000 00	
	<u>\$5,000 00</u>	

## EXPENDITURES.

		CR.
By paid Charles Williams, jr., for wire, . . . . .	\$68 75	

Daniels & Co. for wire, . . . . .	8 68
Charles Williams, jr. for 2 call bells, . . . . .	36 00
John B. Varick for lock, baskets, and cord, . . . . .	5 24
Manchester Print Works for vit- riol, . . . . .	180 62
B. C. Kendall for cash paid and expenses, . . . . .	40 00
A. H. Lowell for zines, . . . . .	153 78
A. H. Lowell for castings, . . . . .	102 08
W. Ireland, building bell tower, . . . . .	1,120 81
M. V. B. Kinne, work on bell tower, . . . . .	25 58
Pike & Heald, roofing bell tower, . . . . .	35 46
John L. Kennedy, painting bell tower, . . . . .	101 09
A. C. Wallace, board of men, . . . . .	24 00
Howard Watch & Clock Co., for 1 gong, . . . . .	100 00
J. Stickney for enameled cloth, . . . . .	1 60
E. P. Johnson & Co. for coal, . . . . .	6 00
James R. Carr, work on telegraph, . . . . .	6 75
Gamewell & Co., one striker, . . . . .	1,000 00
C. G. Blake for services on new striker, . . . . .	12 00
William Blake & Co., bell for tower, . . . . .	1,369 25
Concord Railroad, freight on bell, . . . . .	5 95
C. H. Hodgman & Co., trucking bell, . . . . .	5 75
Express bills, . . . . .	11 54
T. A. Lane for piping tower, . . . . .	3 18
Colley & Kelley, painting poles and boxes, . . . . .	78 43

C. G. Blake, repairing battery,	31	50	
Manchester Locomotive Works			
for alarm by whistle 6 mos.,	150	00	
Moving striker at City Hall,	25	60	
			<hr/>
Amount, . . . . .	\$4,709	64	
Balance to new account,	290	36	
			<hr/>
			\$5,000 00

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LAND DAMAGE.

			DR.
To Balance from old account,	\$323	23	
Appropriation, . . . . .	6,000	00	
			<hr/>
			\$6,323 23

EXPENDITURES.

			CR.
By paid H. A. Gage for land for			
Cypress street, . . . . .	\$175	00	
John Templeton for land for			
Cypress street, . . . . .	175	00	
M. D. Stokes for land for Clarke			
street, . . . . .	100	00	
Cyrus Dunn, land for Clarke st.	100	00	
Sarah A. Hodgman for land			
for Lincoln street, . . . . .	10	00	
H. B. & Lucretia J. Sloane, land			
for Belmont street, . . . . .	504	89	
Maynard & Dickey for land for			
Hanover street, . . . . .	16	25	
C. D. Carpenter for land for			
Pearl street, . . . . .	700	00	
Nancy F. Gooden for land for			
Belmont street, . . . . .	105	38	

James Dearborn for land for Belmont street, . . . .	202 67	
John Hosley for land for Belmont street, . . . .	202 67	
George B. Brown for land for Maple street, . . . .	900 00	
Thomas J. Smith for land for Manchester street, . . . .	32 50	
A. T. Foss, land for Ashland st.	134 58	
Matthew McDonald for land for Ash back street, . . . .	7 06	
Paul Graff, land for Ashback st.,	170 00	
Mrs. Hannah H. Cheney for land for Concord street, . . . .	300 00	
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Amount, . . . . .	\$3,835 94	
Balance to new account, . . . .	2,487 29	
	<hr/>	\$6,323 23

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CANAL BRIDGE—GRANITE STREET.

		DR.
To cash received for old plank, . . . .	\$19 50	
Reserved Fund, . . . . .	1,181 24	
	<hr/>	\$1,200 74

EXPENDITURES.

		CR.
By Balance from last year, . . . .	\$20 69	
W. Ireland for carpenter work, . . . .	231 50	
Clough & Foster for lumber, . . . .	592 38	
J. L. Smith for lumber, . . . .	15 72	
A. C. Wallace for lumber, . . . .	34 13	
A. H. Lowell for castings, . . . .	5 83	



John B. Varick for spikes, . . . . .	80 16	
Oliver Gay for stone, . . . . .	32 40	
Sylvanus Smith for stone work, for laborers, . . . . .	41 43	
	141 50	
A. G. Stevens, Supt., . . . . .	5 00	
	<u>          </u>	\$1,200 74

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PISCATAQUOG BRIDGE.

		DR.
To Appropriation, . . . . .	\$3,000 00	
old iron sold, . . . . .	188 10	
Reserved Fund, . . . . .	78 94	
	<u>          </u>	\$3,267 04

EXPENDITURES.

		CR.
By paid Saml. Brown, Jr., Supt., . . . . .	\$57 75	
for teams, . . . . .	80 25	
for laborers, . . . . .	156 94	
A. C. Wallace for lumber, . . . . .	730 93	
N. R. Bixby for carpenter work, . . . . .	56 25	
E. P. Whidden for stone work, . . . . .	49 00	
M. Lane, " " . . . . .	24 00	
J. C. Colley, " " . . . . .	11 25	
John Prindable, " " . . . . .	28 75	
T. Connor, " " . . . . .	23 63	
Peter Flemming, " " . . . . .	30 00	
Amoskeag Mfg. Co. for use of derrick, . . . . .	25 00	
Dutton Woods for superstruc- ture, . . . . .	1,884 05	
Putnam Jenkins for bolts, . . . . .	12 00	

Putnam Jenkins, cutting up old bridge, . . . . .	17 64	
John L. Kennedy, for painting bridge, . . . . .	79 60	
	<u>          </u>	\$3,267 04

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GRADING FOR CONCRETE.

	DR.
To Appropriation, . . . . .	\$4,000 00

EXPENDITURES.

	CR.
By paid H. S. Whitney, drain pipe, . . . . .	14 38
Geo. H. Allen for engineering, . . . . .	119 00
M. E. Harvey, work of teams, . . . . .	191 25
John Campbell, " " . . . . .	10 00
Wm. Foster, " " . . . . .	60 00
F. Wells, " " . . . . .	170 00
E. L. Brown, " " . . . . .	191 25
Warren Harvey, " " . . . . .	107 50
City teams, " " . . . . .	168 00
City teamsters, . . . . .	155 86
laborers, . . . . .	705 66
	<u>          </u>
Amount, . . . . .	\$1,892 90
Reserved Fund, . . . . .	1,500 00
Balance to new account, . . . . .	607 10
	<u>          </u>
	\$4,000 00

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PEST HOUSE.

	DR.
To Appropriation, . . . . .	\$5,000 00

## EXPENDITURES.

		Cr.
By paid J. L. Smith for lumber for batters, . . . . .	\$9 88	
A. G. Stevens for plans, . . . .	40 00	
R. A. Lawrence for job team, . .	2 25	
J. H. Maynard on acct. of build- ing, . . . . .	3,000 00	
H. S. Whitney for boring and piping well, . . . . .	137 15	
laborers, excavating and grading,	257 87	
City teams, . . . . .	12 00	
	<hr/>	
Amount, . . . . .	\$3,459 15	
Balance to new account, . . . .	1,540 85	
	<hr/>	\$5,000 00

## DECORATION OF SOLDIERS' GRAVES.

	Dr.
To Appropriation, . . . . .	\$200 00

## EXPENDITURES.

		Cr.
By paid C. F. Livingston for flags,	\$24 12	
German Band for services, . . . .	42 00	
George H. Dodge for rings for wreaths, . . . . .	4 00	
Henry French, lumber & work, . .	17 39	
Jasper P. George for cash paid for sundries, . . . . .	14 25	
B. L. Hartshorn for job team, . .	19 00	
John B. Clarke for advertising,	6 80	

Campbell & Hanscom for advertising, . . . . .	\$8 00	
Piper & Hawley for cloth, . . . . .	10 92	
William Shepherd for carriages, . . . . .	13 50	
Colley & Kelly for painting decorations, . . . . .	10 00	
G. B. Fogg for cask of powder, . . . . .	4 75	
Daniels & Co., twine and nails, . . . . .	6 35	
Jeremiah Hodge for rods, . . . . .	10 92	
Baldwin & Batchelder for use of piano, . . . . .	6 50	
	<hr/>	
Amount, . . . . .	\$198 50	
Balance to new account, . . . . .	1 50	
	<hr/>	\$200 00

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EVENING SCHOOLS.

		DR.
To Balance from old account, . . . . .	\$379 31	
Appropriation, . . . . .	1,500 00	
	<hr/>	\$1,879 31

EXPENDITURES.

		CR.
By paid "Schools" for coal, . . . . .	\$200 00	
George H. Dudley, for moving furniture, . . . . .	28 25	
J. Q. A. Sargent for gas-piping and fixtures, . . . . .	44 87	
Joseph Tuck for care of rooms, . . . . .	88 50	
Volney W. Fairbanks for care of rooms, . . . . .	9 50	
Manchester Gas Light Co., gas, . . . . .	48 13	

John B. Clarke for advertising and printing, . . . . .	\$27 40
Campbell & Hanseom, advertis- ing and printing, . . . . .	15 75
posting notices, . . . . .	2 79
Concord Railroad for freight on furniture, . . . . .	7 36
Joseph W. Ross for ink-wells, . .	17 50
J. B. Jones for chairs & settees,	19 80
George H. Allen, drawing paper,	23 27
Bell Adams, teaching, . . . . .	18 00
Elvira S. Priou, " . . . . .	53 00
Nellie Jackson, " . . . . .	18 00
Addie M. Lear, " . . . . .	48 50
N. H. Wilson, " . . . . .	81 00
Belle B. Corey, " . . . . .	45 00
Jonathan Smith, " . . . . .	110 00
Henry Wight, " . . . . .	60 00
Sylvester Brown, teaching, . . .	60 00
Mary Lessard, " . . . . .	36 00
Edward P. Sherburn, " . . . . .	50 00
Henry Colby, " . . . . .	55 00
J. Warren Thwing, " . . . . .	150 00
Mattie S. Moore, " . . . . .	55 00
Estella N. Howlett, " . . . . .	31 50
Addie A. Stearns, " . . . . .	46 80
Mary A. Smith, " . . . . .	27 50
Samuel T. Page, " . . . . .	28 00
Martha J. Boyd, " . . . . .	17 25
	<hr/>
Amount, . . . . .	1,523 87
Balance to new account, . . . . .	355 44
	<hr/>
	\$1,879 31

## REPAIRS OF SCHOOL-HOUSES.

		DR.
To Balance from last year, . . .	\$23 96	
Appropriation, . . . . .	6,000 00	
Reserved Fund, . . . . .	699 23	
Cash for old fence at Bakersville,	10 00	
	<hr/>	\$6,733 19

## EXPENDITURES.

		CR.
By paid Jas. O. Adams, for services on committee, 1869, . . .	\$100 00	
John L. Kennedy, for painting and glazing, . . . . .	665 61	
Colley & Kelly, for varnishing, .	2 25	
J. J. Abbott, for painting and varnishing, . . . . .	170 10	
John L. Kelly, for painting and varnishing, . . . . .	242 06	
Joel Daniels, for painting and varnishing, . . . . .	77 18	
Wm. McPherson, for putting in well at Hallsville, . . . . .	22 87	
T. McQueston, for putting in well at Bakersville, . . . . .	13 50	
T. A. Lane, repairing steam pipe,	20 53	
John Q. A. Sargent, gas fixtures and repairing furnaces, . . .	126 69	
Pike & Heald, for pumps, repair- ing roofs, &c., . . . . .	191 05	
Fairbanks & Folsom, stove pipe,	27 93	
Geo. W. Stevens, architectural services, . . . . .	100 00	
Geo. H. Dudley, carpenter work,	1,152 17	
Geo. Holbrook, " " . . . . .	85 75	

W. Ireland, carpenter work, . . .	\$1,096 59
M. V. B. Kinne, " " . . .	277 73
Jere. Hodge, for lumber, . . .	145 83
J. L. Smith, " " . . .	18 04
A. C. Wallace, " " . . .	84 35
Leonard Stratton, for work, . . .	60 00
City Hall, for brick, . . .	27 70
Hackett & Fisher, for laying con- crete walks, . . . . .	538 96
Joseph L. Ross, for seats and desks, . . . . .	325 00
William O. Haskell & Son, for settees and fluid, . . . . .	418 00
G. F. Boshier, for furniture, . . .	11 30
Job teams, . . . . .	34 33
Concord Railroad, for freight, . . .	18 50
John C. Young, repairing roofs, . . .	156 16
G. H. Kimball, for thresholds, . . .	18 00
Lamson & Marden, stone posts, . . .	8 00
Daniels & Co., for hardware, . . .	26 42
J. B. Varick, " " . . .	103 24
A. G. Stevens, architectural services, . . . . .	5 00
Geo. H. Allen, surveying lots, . . .	15 50
Straw & Lovejoy, for clocks and repairs, . . . . .	18 25
Dunlap & Baker, for clocks and repairs, . . . . .	10 50
B. W. Robinson, white-washing and plastering, . . . . .	12 00
E. G. Haynes, white-washing and plastering, . . . . .	156 60
James Eastman, white-washing and plastering, . . . . .	28 25

James F. Smith, grading Bakersville lot, . . . . .	\$110 10	
John Calef, grading Bakersville lot, . . . . .	10 00	
W. P. Stratton, repairing pump, . . . . .	2 25	
	<u>          </u>	\$6,733 19

## NEW SCHOOL-HOUSES.

DR.

To Balance from last year, . . . . .	\$228 38	
Appropriation, . . . . .	30,000 00	
Rec'd of H. Dickey, for brick, . . . . .	90 15	
Rec'd of J. L. Kelly, for old shed, . . . . .	12 00	
	<u>          </u>	\$30,330 53

## EXPENDITURES.

CR.

## ASH-STREET SCHOOL-HOUSE.

By paid Geo. W. Stevens, for architectural services, . . . . .	\$650 00
Gilman H. Kimball, for foundation (balance of account), . . . . .	1,206 25
Gil. H. Kimball, for stone work, . . . . .	264 89
Lamson & Marden, " " . . . . .	2,651 57
Alpheus Gay, on acct. of building, . . . . .	22,000 00
Howard Clock & Watch Co., for clock faces, . . . . .	52 00
George H. Dudley, for building privy, . . . . .	4 00
Pike & Heald, for pump, . . . . .	26 07
Pike & Heald, for vane, . . . . .	77 25
W. W. Hubbard, for sash, . . . . .	265 00



Daniels & Co., for glass and glazing, . . . . .	\$359 12	
Labor, grading, . . . . .	636 20	
A. H. Lowell, for chimney caps, . . . . .	47 40	
		<hr/>
Amount, . . . . .	28,239 75	
Balance to new account, . . . . .	2,090 78	
		<hr/>
		\$30,330 53

## SCHOOLS.

		Dr.
To Balance from last year, . . . . .	\$34 96	
Appropriation, . . . . .	47,800 00	
Receipts for tuition, . . . . .	266 00	
Reserved Fund, . . . . .	150 00	
		<hr/>
		\$48,250 96

## EXPENDITURES.

## FUEL ACCOUNT.

		Cr.
By paid Samuel W. Page for sawing wood, . . . . .	\$8 50	
S. B. Hill for sawing wood, . . . . .	1 50	
Fardy Conway, " " . . . . .	67	
* Thomas Foley, " " . . . . .	67	
Chas. F. Morrill, " " . . . . .	1 25	
Harrington, " " . . . . .	9 00	
John Bashaw, " " . . . . .	4 00	
Sylvester Brown, " " . . . . .	1 00	
Abram Blake, " " . . . . .	4 25	
Joseph Tuck, " " . . . . .	2 50	
E. Stearns, " " . . . . .	1 13	
John McIntire, " " . . . . .	20 00	

Geo. H. Colby for wood, . . . . .	\$13 59	
William Campbell for wood, . . . . .	49 75	
Harvey & Wallace, " . . . . .	253 25	
W. W. Hubbard, " . . . . .	2 50	
Clough & Foster, " . . . . .	96 50	
D. B. Eastman, " . . . . .	20 00	
David Wells, " . . . . .	27 20	
John P. Moore, " . . . . .	6 00	
John Campbell, " . . . . .	62 00	
H. Richards, " . . . . .	34 00	
E. P. Johnson & Co. for coal, . . . . .	622 85	
D. L. Robinson for wood, . . . . .	308 00	
J. F. Dustin, sawing wood, . . . . .	10 12	
L. B. Bodwell & Co. for wood, . . . . .	41 63	
C. W. Rowell, " . . . . .	15 00	
Robert Hall, " . . . . .	4 50	
N. S. Butterfield for soft coal, . . . . .	76 94	
Bangs & Horton, for coal, . . . . .	2,008 18	
Daniel Clark, freight on coal, . . . . .	441 00	
Schooner "M. Sewell" for freight on coal, . . . . .	477 62	
Concord Railroad for freight on coal, . . . . .	732 34	
Warren Harvey, teaming coal, . . . . .	319 26	
		<hr/>
Amount, . . . . .	\$5,676 69	
Charged to other accounts, . . . . .	809 39	
		<hr/>
		\$4,867 30

## FURNITURE AND SUPPLIES.

By paid G. F. Boshier for chairs, . . . . .	\$19 25
John B. Varick for sundries, . . . . .	57 37
Daniels & Co. for sundries, . . . . .	39 04
Ginn Brothers for charts, . . . . .	69 00

J. L. Hammett & Sons, charts, crayons, &c., . . . . .	\$186 74
Sullivan Bros. for matting, . . . . .	16 00
F. B. Eaton for books, ink, &c., . . . . .	44 74
Thos. R. Hubbard for table and chairs, . . . . .	20 90
A. F. Hall for dippers and pails, . . . . .	2 41
Pike & Heald for pumps, &c., . . . . .	65 00
David Libby for brooms, . . . . .	20 50
Gilman B. Fogg for keys, . . . . .	2 01
Joseph L. Ross for desks, . . . . .	309 50
S. F. Murry & Co. for chemicals, . . . . .	4 00
Thompson, Bigelow & Brown, cards, . . . . .	12 32
Nichols & Hall for pencils, . . . . .	69 60
T. R. V. Bradley for tables, . . . . .	5 00
Jacobs & Co. for paper, . . . . .	7 00
A. C. Stockin for charts, . . . . .	12 80
Straw & Lovejoy for clocks, . . . . .	16 00
Dunlap & Baker for clocks, . . . . .	36 25
J. V. Sullivan, books & stationery, . . . . .	22 04
Brewer & Tileston for charts, . . . . .	29 09
Barton & Co. for rugs, . . . . .	7 00
Wm. Parker, jr., dippers and brushes, . . . . .	9 55
Knight, Adams & Co. for slates, . . . . .	5 40
W. W. Colburn for 26 stuffed birds, . . . . .	25 00
Perry & Spalding for maps, . . . . .	20 00
E. A. Briggs for drawing copies, . . . . .	58 73
Walworth, Ainsworth & Co. for drawing books, . . . . .	11 52
Isaac S. Coffin for dippers, . . . . .	2 75
Fairbanks & Folsom, dippers & pails, . . . . .	1 80

C. F. Livingston, spelling cards,	\$5 50
E. F. Higgins for water pot,	1 25
H. M. Bailey for dippers,	9 45
Thos. Chubbuck for diplomas,	34 50
Wm. H. Fisk, books & stationery,	103 11
Chas. A. Smith, dusters, bell, &c.,	14 75
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	\$1,376 87

## BOOKS AND STATIONERY.

By paid A. C. Stockin, for books,	\$65 70
Wilson, Hinckle & Co., books,	6 04
J. L. Hammett & Son, for books,	4 11
Manchester P. O., for postage,	5 78
Thompson, Bigelow & Co., books,	16 56
William Henshaw, for books,	8 00
A. Quimby, " " .	82 45
Lee & Shepherd, " " .	6 00
J. G. Edgerly, " " .	10 60
John L. Shorey, " " .	20 00
Ginn Brothers, " " .	25 00
E. R. Coburn, " " .	34 56
Brewer & Tileston, " " .	115 41
Walworth, Ainsworth & Co., for books, . . . . .	8 28
Daniel Clark, for Johnston's Natural History, . . . . .	15 50
J. V. Sullivan, for stationery,	18 22
F. B. Eaton, " " .	46 98
William H. Fisk, . . . . .	40 90
Knight & Adams, . . . . .	3 38
	<hr/>
	\$533 47

## PRINTING AND ADVERTISING.

By paid John B. Clarke, . . . . .	\$234 45
Moore & Peasley, . . . . .	31 75

C. F. Livingston, . . . .	\$142 50	
Campbell & Hanscom, . . . .	79 72	
Geo. C. Hoitt, for binding, . . . .	12 00	
	<hr/>	\$500 42

## CARE OF ROOMS.

By paid Wm. P. Merrill, . . . .	\$6 00	
Mary J. Reid, . . . .	5 00	
Clara N. Brown, . . . .	7 50	
Maria H. Hildreth, . . . .	20 90	
Marianna Waite, . . . .	10 00	
Etta M. George, . . . .	9 00	
Addie M. Chase, . . . .	54 50	
Alice G. Lord, . . . .	9 00	
J. G. Edgerly, . . . .	2 50	
Belle B. Corey, . . . .	4 00	
Olive J. Randall, . . . .	12 00	
Helen M. Locke, . . . .	8 00	
N. Amanda Wyman, . . . .	5 00	
S. Isetta Locke, . . . .	4 00	
Edward P. Sherburn, . . . .	4 00	
George B. Hadley, . . . .	24 00	
Sylvester Brown, . . . .	9 00	
Nellie M. Cate, . . . .	16 00	
Charles F. Morrill, . . . .	24 00	
D. A. Clifford, . . . .	6 00	
William E. Buck, . . . .	6 00	
A. Blake, . . . .	58 00	
Geo. E. Moores, . . . .	192 00	
Joseph Tuck & Co., . . . .	147 00	
Leonard Stratton, . . . .	197 00	
John A. Barker, . . . .	727 50	
Volney W. Fairbanks, . . . .	895 00	
	<hr/>	\$2,462 90

## CONTINGENT EXPENSES.

By paid David Thayer, Truant	
Officer, . . . . .	\$600 00
Manchester Gas Light Co., gas,	37 26
Manchester P. O. for postage, .	10 40
C. H. Hodgman, job team, . . .	4 75
J. A. Caverly, " . . . . .	4 00
R. A. Lawrence, " . . . . .	7 00
L. A. Ward, " . . . . .	12 10
C. E. Clough, " . . . . .	8 00
F. G. Clark for team, . . . . .	4 00
S. S. James & Bro. for team, . .	40 00
Edwin Kennedy, " . . . . .	6 00
Fogg & James for team for J. J.	
Kimball, . . . . .	167 00
Fogg & James for team for J. G.	
Edgerly, . . . . .	120 00
Sullivan Bros. for dippers, . . .	14 10
Moore & Peasley, printing cards,	11 50
Samuel W. Page, cleaning house,	1 50
J. J. Abbott for setting glass, . .	13 83
Joel Daniels for setting glass, . .	91
John L. Kennedy, setting glass,	10 12
Fairbanks & Folsom for stoves,	
pipe, &c., . . . . .	54 34
Campbell & Hanscom for print-	
ing rules, . . . . .	7 25
E. G. Haynes for repairing	
plastering, . . . . .	20 87
H. C. Merrill for oil, . . . . .	45
W. H. Elliott for clock, . . . . .	2 50
John Mooar for repairing clock,	1 50
A. C. Wallace for lumber, . . . .	21 16
George H. Dudley for carpenter	
work, . . . . .	60 25

E. G. Richardson, tuning pianos,	\$4 50
I. S. Whitney, tuning pianos, .	31 75
J. M. Sanborn, " " .	3 50
Leonard Stratton for setting glass, &c., . . . . .	5 72
S. F. Murry for chemicals, .	3 43
U. S. & Canada Express, . .	8 50
J. G. Edgerly, for cash paid for sundries, . . . . .	27 02
Jere. Hodge for pointers, .	12 62
D. L. Robinson, for cash paid for cleaning houses. . . .	13 80
George H. Colby for cash paid for cleaning houses, . . .	4 00
Patrick Hickey, cleaning house,	8 50
Whittemore & Co. for cleaning vaults, . . . . .	69 00
C. C. Webster, cleaning vaults,	25 00
Mary J. Reid, cleaning room, .	1 00
J. F. Dustin for cleaning school yard, . . . . .	10 50
Langdon Simons, rent of piano,	6 25
Barton & Co. for cambric, .	2 55
Johnson Brothers for cambric, .	16 72
Jackson & Co., " .	1 83
Daniels & Co. for hardware, .	178 53
J. B. Varick, " .	1 18
Wm. C. Rogers for lock & keys,	1 00
G. B. Fogg for keys, . . . .	13 82
H. F. Morse, filling diplomas, .	28 70
J. Q. A. Sargent, 4 chandeliers for Lincoln-st. school-house,	130 00
J. Q. A. Sargent, gas fixtures,	21 17
Chas. Williams for pipe and cleaning stoves, . . . . .	25 65

B. W. Robinson for repairing plastering, . . . .	\$7 00
Joseph Tuck for labor, . . .	2 00
V. W. Fairbanks for labor dur- ing vacation, . . . .	79 05
W. W. Colburn for cash paid for cabinet specimens, . . . .	21 90
Geo. H. Colby for repairs, . . .	7 25
Geo. E. Moores for labor, . . .	3 10
John A. Barker for labor, . . .	39 83
Holton & Sprague for cambric, . .	3 05
	<hr/>
	\$2,060 24

## TEACHERS' SALARIES.

By paid William W. Colburn, . . .	\$2,000 00
Lucretia E. Manahan, . . . .	807 50
Mary E. Clough, . . . .	800 00
Emma J. Ela, . . . .	450 00
Alfred S. Hall, . . . .	770 00
Abbie S. McClintock, . . . .	360 00
Nancy S. Bunton, . . . .	600 00
Mintie G. Edgerly, . . . .	450 00
Martha N. Mason, . . . .	500 00
Annie O. Heath, . . . .	360 00
William E. Buck, . . . .	1,500 00
Mary A. Buzzell, . . . .	400 00
Anstrice G. Flanders, . . . .	450 00
Sarah J. Greenc, . . . .	393 75
Lizzie S. Campbell, . . . .	375 00
Daniel A. Clifford, . . . .	1,500 00
Mary F. Dana, . . . .	350 00
Lottie R. Adams, . . . .	270 00
Carrie E. Reid, . . . .	450 00
Benjamin F. Dame, . . . .	1,500 00
Lizzie H. Patterson, . . . .	350 00



Julia A. Baker,	.	.	.	\$500 00
Mary J. Fife,	.	.	.	450 00
Annette McDoel,	.	.	.	427 50
Eliza J. Young,	.	.	.	438 75
Belle R. Daniels,	.	.	.	385 00
Anna J. Dana,	.	.	.	365 00
Rocilla M. Tuson,	.	.	.	335 00
Allen A. Bennett,	.	.	.	480 00
Martha J. Boyd,	.	.	.	367 50
Addie M. Lear,	.	.	.	303 75
Charles F. Morrill,	.	.	.	240 00
Geo. B. Hadley,	.	.	.	225 00
Sarah B. Hadley,	.	.	.	170 00
Nellie J. Sanderson,	.	.	.	450 00
Mary L. Sleeper,	.	.	.	450 00
Hattie G. Flanders,	.	.	.	438 75
C. Augusta Abbott,	.	.	.	450 00
Hattie S. Tozer,	.	.	.	385 00
Ellen B. Rowell,	.	.	.	450 00
Emma F. Bean,	.	.	.	400 00
Georgianna Dow,	.	.	.	405 00
Mary E. Ireland,	.	.	.	135 00
Annie M. Offutt,	.	.	.	350 00
Abbie E. Abbott,	.	.	.	450 00
Emma H. Perley,	.	.	.	318 75
Helen M. Morrill,	.	.	.	450 00
Nellie Pearson,	.	.	.	358 75
E. Jennie Campbell,	.	.	.	335 00
Martha W. Hubbard,	.	.	.	337 50
Emma A. Cross,	.	.	.	438 75
Gertrude W. Borden,	.	.	.	98 45
Sarah D. Lord,	.	.	.	450 00
Celia M. Chase,	.	.	.	358 13
Alice G. Lord,	.	.	.	412 50
Clara N. Brown,	.	.	.	450 00

Ella F. Salisbury, . . . .	\$337 50
Nellie E. Tappan, . . . .	350 00
Kate E. Joy, . . . .	245 00
Nellie M. Kate, . . . .	312 50
Addie M. Chase, . . . .	450 00
Addie A. Marshall, . . . .	120 00
George A. Nute, . . . .	120 00
Sylvester Brown, . . . .	705 00
Mary J. Reid, . . . .	120 00
Maria H. Hildreth, . . . .	300 00
Mary B. Lane, . . . .	122 50
Marianna Waite, . . . .	240 00
Etta M. George, . . . .	240 00
Cleora E. Bailey, . . . .	273 75
Nellie M. Whitney, . . . .	332 50
Elvira S. Priou, . . . .	281 25
Annie H. Abbott, . . . .	132 50
Belle B. Corey, . . . .	172 50
Ida F. Gee, . . . .	294 50
J. J. Kimball, . . . .	1,500 00
Charles R. Treat, . . . .	118 00
Lizzie P. Gove, . . . .	348 75
Josie A. Boshier, . . . .	170 00
E. A. Briggs, . . . .	300 00
Ara L. Platt, . . . .	157 50
Estella N. Howlett, . . . .	41 25
S. Isetta Locke, . . . .	100 00
Augusta S. Downs, . . . .	41 25
Olive J. Randall, . . . .	197 50
Helen M. Locke, . . . .	197 50
Mattie Clough, . . . .	25 50
Cora F. Nichols, . . . .	15 00
Addie St. Clair, . . . .	100 00
S. Amanda Wyman, . . . .	112 50
Jonathan Smith, . . . .	3 00

William H. M. Cate, . . . . .	4 00	
Edward P. Sherburne, . . . . .	175 00	
		<u>\$36,451 58</u>

## RECAPITULATION.

Fuel, . . . . .	\$4,867 30	
Furniture and supplies, . . . . .	1,376 87	
Books and stationery, . . . . .	533 47	
Printing and advertising, . . . . .	500 42	
Care of rooms, . . . . .	2,462 90	
Contingent expenses, . . . . .	2,060 24	
Teachers' salaries, . . . . .	36,451 58	
		<u>                    </u>
Amount, . . . . .	\$48,252 78	
Balance to new account, . . . . .	2 18	
		<u>\$48,254 96</u>

## LAND SOLD FROM CITY FARM.

		DR.
To amount on hand Jan. 1, 1873, . . . . .	\$7,620 17	
Receipts on notes during the year, . . . . .	1,763 74	
		<u>\$9,383 91</u>

## EXPENDITURES.

		CR.
By transferred to account of City		
Farm, . . . . .	\$6,862 58	
Balance to new account, . . . . .	2,521 33	
		<u>\$9,383 91</u>

## WATER WORKS.

DR.

To Water Bonds on hand Jan. 1,		
1873, . . . . .	\$101,500	00
Cash on hand Jan. 1, 1873,	40,455	51
Appropriation, . . . . .	150,000	00
Receipts for water rents, . . . . .	1,920	53
Receipts of J. T. Fanning, . . . . .	573	61
Receipts for supplies to laborers,	114	07
Accrued interest on Water		
Bonds sold, . . . . .	193	26
Accrued interest on State Bonds		
sold, . . . . .	146	00
	<u>          </u>	<u>\$294,965 98</u>

## EXPENDITURES.

CR.

By pd. Mayor's drafts in 1873,	\$294,609	02
*Less sum included in acct. for		
1872, . . . . .	10,450	77
	<u>          </u>	<u>          </u>
Mayor's drafts on acct. of 1873,	284,158	25
Balance to new account, . . . . .	10,807	73
	<u>          </u>	<u>\$294,965 98</u>

\*This item is the balance obtained as follows, and is found in the statement of the Water Works account for 1872, to wit:

Dec. 31, 1872. Discount on Water Bonds		
sold to date, . . . . .	\$9,047	50
Coupons paid, . . . . .	8,811	00
	<u>          </u>	<u>          </u>
	\$17,858	50
Accrued interest on bonds at sale, . . . . .	7,407	82
	<u>          </u>	<u>          </u>
	\$10,450	77

This difference of statement results from the closing of Water Commissioners' accounts December 20, while the Treasurer's accounts close December 31, and the above balance was carried forward to the draft of January, 1873.

## SOLDIERS' MONUMENT.

		Dr.
To New Hampshire State Bond, . . .	\$1,000 00	
Appropriation, . . . . .	1,000 00	
Annual interest on bond, . . . . .	60 00	
	\$2,060 00	

## RESERVED FUND.

		Dr.
To Appropriation, . . . . .	\$7,847 37	
Account of interest on taxes, . . . . .	3,741 73	
"    "    Reservoirs, . . . . .	1,000 00	
"    "    Grading for concrete, . . . . .	1,500 00	
"    "    Incidental expenses, . . . . .	1,910 00	
Receipts from State Treasury, bal. over estimated revenue, . . . . .	10,998 61	
	\$26,997 71	

## EXPENDITURES.

		Cr.
By Highway District No. 1, . . . . .	\$225 00	
"    "    "    2, . . . . .	1,000 00	
"    "    "    4, . . . . .	180 00	
"    "    "    5, . . . . .	110 00	
"    "    "    6, . . . . .	50 00	
"    "    "    7, . . . . .	50 00	
"    "    "    8, . . . . .	50 00	
"    "    "    9, . . . . .	50 00	
"    "    "    10, . . . . .	150 00	
"    "    "    11, . . . . .	80 00	
"    "    "    13, . . . . .	25 00	
Valley Cemetery, . . . . .	300 00	
Court House, . . . . .	200 00	

Fire Alarm Telegraph, . . . . .	1,000	00
Paupers off Farm, . . . . .	1,000	00
Commons, . . . . .	2,000	00
Piscataquog bridge, . . . . .	78	94
Granite-street canal bridge, . . . . .	1,181	24
Abatement of taxes, . . . . .	670	00
Printing and stationery, . . . . .	400	00
Court House, . . . . .	650	00
Repairs of school-houses, . . . . .	699	23
Discount on taxes, . . . . .	821	43
Insurance, . . . . .	194	37
Pine Grove Cemetery, . . . . .	350	00
City teams, . . . . .	350	00
Incidental expenses, . . . . .	7,000	00
Watering streets, . . . . .	20	00
Lighting streets, . . . . .	60	00
Granite Bridge, . . . . .	150	00
Sewers and drains, . . . . .	1,010	00
Schools, . . . . .	150	00
	<hr/>	
Amount, . . . . .	\$20,255	21
Balance to new account, . . . . .	6,742	50
	<hr/>	
		\$26,997 71

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### OUTSTANDING TAXES.

List for 1873, . . . . .	\$25,461	35
“ 1872, . . . . .	3,568	08
“ 1871, . . . . .	6,786	41
“ 1870, . . . . .	7,232	35
“ 1869, . . . . .	6,646	04
“ 1868, . . . . .	5,233	85
“ 1867, . . . . .	6,206	53

## VALUATION, TAXES, &amp;C.

YEAR.	Valuation.	Taxes.	No. Polls	Poll Tax.	Val. of Poll.
1838 . . .	\$555,270	\$2,235 49	244	\$1 66	\$300
1839 . . .	604,963	3,029 84	427	2 14	300
1840 . . .	946,200	3,986 56	772	2 20	300
1841 . . .	1,229,054	9,563 74	892	3 49	300
1842 . . .	1,439,524	12,952 44	1,653	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 . . .	5,832,989	48,974 23	2,820	2 37	300
1851 . . .	6,9 6,462	51,798 47	2,910	2 25	300
1852 . . .	6,795,682	54,379 45	2,745	1 92	240
1853 . . .	6,995,528	61,545 81	2,907	1 82	240
1854 . . .	8,237,617	62,022 44	2,814	1 80	240
1855 . . .	8,833,248	71,952 09	3,725	1 94	240
1856 . . .	9,244,062	114,214 08	3,769	2 96	240
1857 . . .	9,983,862	84,862 98	3,695	2 04	240
1858 . . .	10,259,980	78,210 85	3,695	1 83	240
1859 . . .	9,853,310	81,368 01	3,495	1 92	240
1860 . . .	9,644,937	86,894 87	3,651	2 16	240
1861 . . .	9,343,254	99,104 96	3,974	2 40	240
1862 . . .	8,891,250	84,827 45	3,071	2 21	249
1863 . . .	9,397,786	96,233 86	2,995	2 49	246
1864 . . .	9,517,512	142,815 98	3,168	3 59	249
1865 . . .	9,478,358	209,696 29	3,176	5 13	249
1866 . . .	10,050,929	245,567 19	4,114	5 59	249
1867 . . .	10,191,556	267,457 39	4,170	4 61	249
1868 . . .	9,929,072	208,783 07	4,583	2 85	150
1869 . . .	10,205,303	251,922 43	4,799	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

## CITY DEBT.

Date of Notes.	To whom payable.	When payable.	Principal.
July 1, 1854	City Bonds.	July 1, 1874	\$20,000 00
Jan. 1, 1856	" "	Jan. 1, 1880	10,000 00
July 1, 1857	" "	July 1, 1877	22,500 00
July 9, 1858	Nehemiah Hunt.	July 9, 1878	2,400 00
July 22, 1858	" "	July 22, 1878	1,100 00
July 1, 1862	City Bonds.	July 1, 1882	22,500 00
Jan. 1, 1863	" "	Jan. 1, 1888	35,000 00
Oct. 31, 1863	" "	Nov. 1, 1893	70,000 00
April 1, 1864	" "	April 1, 1884	70,000 00
July 1, 1864	" "	July 1, 1894	50,000 00
April 1, 1865	" "	April 1, 1885	10,000 00
Aug. 1, 1869	" "	Aug. 1, 1874	1,500 00
Aug. 1, 1869	" "	Aug. 1, 1875	1,500 00
Aug. 1, 1869	" "	Aug. 1, 1876	1,500 00
Aug. 1, 1869	" "	Aug. 1, 1877	1,500 00
Aug. 1, 1869	" "	Aug. 1, 1878	1,500 00
Aug. 1, 1869	" "	Aug. 1, 1879	10,000 00
Aug. 1, 1869	" "	Aug. 1, 1880	1,500 00
Aug. 1, 1869	" "	Aug. 1, 1881	10,000 00
Aug. 1, 1869	" "	Aug. 1, 1882	1,500 00
Aug. 1, 1869	" "	Aug. 1, 1883	5,000 00
Aug. 1, 1869	" "	Aug. 1, 1884	1,500 00
Aug. 1, 1869	" "	Aug. 1, 1885	1,500 00
Aug. 1, 1869	" "	Aug. 1, 1886	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, 1872	" "	Jan. 1, 1892	100,000 00
Jan. 1, 1872	" "	Jan. 1, 1897	100,000 00
Jan. 1, 1872	" "	Jan. 1, 1902	100,000 00



Amount funded debt Jan. 1, 1873,	\$762,100 00
Decrease during the year, . . . .	1,600 00
	<hr/>
Amount funded debt Jan. 1, 1874, . . . .	\$760,500 00
Amount temporary loan Jan. 1,	
1873, . . . . .	2,298 57
Increase during the year, . . . .	96,120 00
	<hr/>
Amount temporary loan Jan. 1,	
1874, . . . . .	98,418 57
Amount interest due, estimated, . . . .	20,990 00
Outstanding bills due Jan. 1, 1874,	62,998 10
	<hr/>
Total indebtedness Jan. 1, 1874,	\$941,916 67
Cash in treasury Jan. 1, 1874, . . . .	\$32,803 11
Notes due the city, . . . . .	3,163 40
Interest on same, . . . . .	490 00
Water bonds unsold, . . . . .	68,100 00
State " " . . . . .	29,500 00
	<hr/>
	\$134,056 51
Net indebtedness Jan. 1, 1874, . . . . .	807,860 16
Net indebtedness Jan. 1, 1873, . . . . .	530,680 91
	<hr/>
Increase of indebtedness during the year,	\$277,179 25

Attest, JOSEPH E. BENNETT,  
*City Auditor.*

## CITY PROPERTY.

City Library building, . . . . .	\$29,000 00
Iron Fence on Commons, . . . . .	15,700 00
City Hall and Lot, . . . . .	60,000 00
City Farm and permanent improvements, .	24,000 00
Stock, tools, furniture, and provisions at City Farm, . . . . .	6,038 34
Engines, hose and apparatus, . . . . .	48,040 95
Engine house and stable, Vine st., . . . .	15,900 00
Reservoirs, . . . . .	10,000 00
Hearse, houses, tombs, and new cemetery, .	4,900 00
Court House and Lot, . . . . .	50,000 00
Common sewers, . . . . .	73,000 00
Safes, furniture and fixtures at City Hall, .	3,000 00
Street lanterns, posts and pipes, . . . .	3,000 00
Water Works, . . . . .	294,609 02
Horses, carts, plows, and tools for streets, .	3,000 00
Ward room and lot, Manchester Street, . .	3,000 00
Ward room and lot, Park Street, . . . .	600 00
Engine house and lot, Ward Seven, . . . .	2,300 00
Water pipe, wagon and apparatus for water- ing streets, . . . . .	2,000 00
Stock in Suncook Valley Railroad, . . . .	50,000 00
Gravel lot, Lowell Street, . . . . .	1,500 00
“ Belmont Street, . . . . .	1,200 00
“ Ward 7 (one-half acre), . . . . .	50 00
“ Bakersville (one acre), . . . . .	100 00
Fire Alarm Telegraph, . . . . .	12,000 00
“ Bell Tower, . . . . .	3,682 14
	<hr/>
	\$717,120 45

## SCHOOL PROPERTY.

Blodgett-street school-house and lot,	\$3,000 00	
Movable furniture, maps, charts, etc.,	150 00	\$3,150 00
Bridge-street house and lot, . . .		500 00
Old High school-house and lot, . . .	6,500 00	
Movable furniture, maps, etc., . . .	200 00	6,700 00
New High school-house, . . .	45,000 00	
Movable furniture, maps, charts,		
books and apparatus, . . .	2,000 00	47,000 00
Wilson-Hill house and lot, . . .	3,300 00	
Movable furniture, maps, etc., . . .	125 00	3,425 00
Merrimack-street house and lot, . . .	15,000 00	
Movable furniture, maps, etc., . . .	350 00	15,350 00
Manchester-street house and lot, . . .	8,000 00	
Movable furniture, maps, etc., . . .	300 00	8,300 00
Park-street house and lot, . . .	8,000 00	
Movable furniture, maps, etc., . . .	400 00	8,400 00
Franklin-street house and lot, . . .	18,000 00	
Movable furniture, maps, etc., . . .	400 00	18,400 00
Spring-street house and lot, . . .	14,000 00	
Movable furniture, maps, etc., . . .	400 00	14,400 00
Stark house and lot, . . .	3,000 00	
Movable furniture, maps, etc., . . .	200 00	3,200 00
Bakersville house and lot, . . .	3,500 00	
Movable furniture, maps, etc., . . .	75 00	3,575 00
Goffe's Falls house and lot, . . .	3,600 00	
Movable furniture, maps, etc., . . .	100 00	3,700 00
House and lot near Harvey's, . . .	2,500 00	
Movable furniture, maps, etc., . . .	50 00	2,550 00
House and lot near Clough's mill, . . .	600 00	
Movable furniture, maps, etc., . . .	50 00	650 00
Hallsville house and lot, . . .	3,500 00	
Movable furniture, maps, etc., . . .	75 00	3,575 00
Massabesic house and lot, . . .	1,400 00	
Movable furniture, maps, etc., . . .	40 00	1,440 00

Mosquito Pond house and lot, . . .	1,000 00	
Movable furniture, maps, etc., . . .	50 00	1,050 00
Center-street house and lot, . . .	5,000 00	
Movable furniture, maps, etc., . . .	125 00	5,125 00
Ash-street house and lot, . . .		30,000 00
Lincoln-street house and lot, . . .	50,000 00	
Movable furniture, maps, etc., . . .	400 00	50,400 00
South house and lot, 'Squog, . . .	2,800 00	
Movable furniture, maps, etc., . . .	60 00	2,860 00
Amoskeag house and lot, . . .	3,700 00	
Movable furniture, maps, etc., . . .	125 00	3,825 00
Main-street house and lot, . . .	12,000 00	
Movable furniture, maps, etc., . . .	100 00	12,100 00
		<hr/>
Amount of School Property, . . .		249,675 00
"    City Property, . . .		717,120 45
		<hr/>
Total Property, . . . . .		966,795 45

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