

CITY DOCUMENT, No. 34.

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VALEDICTORY ADDRESS OF HON. C. B. PRATT,

A D D R E S S

OF

HON. FRANK H. KELLEY,

MAYOR OF THE CITY OF WORCESTER, JAN. 5, 1880;

WITH THE

A N N U A L R E P O R T S

OF THE SEVERAL DEPARTMENTS,

FOR THE

FINANCIAL YEAR ENDING NOV. 30, 1879.

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WORCESTER:  
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VALEDICTORY ADDRESS  
OF  
HON. CHAS. B. PRATT,  
MAYOR OF THE CITY OF WORCESTER, MASS.  
DECEMBER 29, 1879.

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REMARKS AND RESOLUTIONS.

CITY OF WORCESTER,  
IN CITY COUNCIL, Dec. 29, 1879.

*Ordered*, That a Convention of the two branches of the City Council be held this evening, at 8 o'clock, for the purpose of listening to a Valedictory address from His Honor, the Mayor.

In pursuance of the above order, the City Council being in Convention, Alderman Marsh addressed the Mayor as follows :

MR. MAYOR :—As we are assembled here in Convention to listen to a review of the labors of your three years' administration, it has seemed to us fitting and proper to present and place upon record resolutions expressive of our appreciation of your faithful services as Mayor, and in so doing we are happy to believe that we represent a large constituency. That such an expression of our views will be acceptable to you, we feel assured.

In concluding, he offered the following resolutions, and moved their adoption :

*Resolved*, That we, members of the City Council of Worcester, in joint convention assembled, hereby desire to express to His Honor, Mayor Pratt, and to place upon record, our sense of the value of his services as Mayor, and also to convey to him the assurance of our friendly personal regard.

*Resolved*, That we bear willing testimony to his rare executive ability, to his punctual and constant attendance at all meetings, to his uniform courtesy of manner, and to his marked success in the dispatch of public business.

*Resolved,* That we extend to him our best wishes for his future welfare, and entertain the hope that the remembrance of the pleasant relations which have existed between us will long be tenderly cherished.

Alderman Kelly seconding the resolutions, addressed the convention as follows :

MR. MAYOR:—I rise to second the motion made by Alderman Marsh. I sincerely and cordially endorse the sentiments of the resolutions, which, I believe, express the feelings of every member of the Convention. To have served Worcester as its Chief Magistrate for so many years, acceptably to its citizens, is a distinction of which you have reason to be proud. In retiring from office you carry with you the respect and good wishes of all. I cannot say that I do not envy you in the relief you will experience in throwing off the burden and responsibility which have been upon you so long. How well those who are about to assume them will succeed, time will tell. You have my personal regard and good wishes for your future health and happiness.

MR. MAYOR:—I desire at this time to offer my hearty support of the resolutions before us, and, as the resolutions, and what has already been said upon them, express my feelings so much better than any words of mine can do, I will simply say Amen to the whole.

The President of the Common Council, Mr. Boyden, spoke as follows :

MR. MAYOR:—The resolutions presented by Alderman Marsh perhaps express in language more concise and impressive than I can use, the sentiments which we, as members of the City Council, desire to convey to his Honor, the Mayor, at this time, but I cannot forbear to add my word of congratulation and good will to what has already been said. I congratulate you, then, Mr. Mayor, upon the completion of three successive terms of official duty in a manner able to draw from your opponents even, as well as friends, the commendation of having been a faithful, earnest and capable chief magistrate. Those of us who retire from official position with the close of the year, can congratulate ourselves that it has fallen to our lot to be connected, in however humble a manner, with an administration which, I trust, it will not be considered egotistical to say, will be written in the history of the city as successful, honest and economical; and no one knows better than we, his associates, that the success attending the conduct of municipal affairs has been largely due to the ability, the promptness and fidelity with which His Honor, the Mayor, has performed the duties of his office.

Citizens generally are prompt to call the Mayor responsible for any mal-administration of city affairs, whether it occur in departmental work or in the Council Chamber, but are not so ready to see the hand which guides the municipal machine when it runs smoothly and without friction, performing in a quiet, effective manner, its allotted task of serving the public with good government.



We then, in placing upon record our appreciation of the manner His Honor, Mayor Pratt, has served the city for the past year, as expressed in the language of the resolutions, do no more than an act of justice, and I believe every member of the Common Council will concur with me in this expression and in the adoption of the resolutions.

Councilman Thayer then addressed the Convention, and said :

I take pleasure in rising to further endorse the spirit and sentiment of these resolutions. Having been connected, in a humble capacity, with the city government since the time you were first inaugurated Mayor, I feel that my intimate acquaintance with your administration fits me to pass judgment upon it as one pre-eminently distinguished for ability, impartiality, and honesty.

You, sir, was called to the administration of the affairs of this city at a time when its financial condition was assuming an alarming aspect. Our city at that time had a valuation in real and personal estate of less than \$50,000,000; a population of less than 50,000, and yet, for sewer construction, the introduction of water works, the building of school houses and other public buildings necessary in a great and flourishing city like ours, we had incurred an indebtedness of \$250,000 of money.

The excessive rainfalls and floods had a little while previous filled our reservoir beyond its capacity, the defectively constructed dam gave way, and the mad waters rushed down past houses and villages, mills, railroads and bridges, carrying destruction and devastation in their course. The people of this city awoke upon that Spring morning to learn that by the breaking of the Lynde Brook Dam there was an additional claim of two hundred thousand dollars for damages against our city. The parties injured by the loss of property were none too amiable, and were not backward in their threats and demands for speedy payments and full compensation.

This was the condition of things when you was first inaugurated. The exigencies of the times and occasion demanded keen foresight, wise discrimination, strong executive ability, and above all, a good judge of human nature. About this time there came up from the eastern and southern portion of our city, an earnest appeal for better drainage, and a more complete sewerage. By the previous system of sewerage, the highlands upon the north and west had perfect sewerage, but the filth was deposited upon the flats of the eastern portion of the city, creating cesspools around, from which emanated foul, unwholesome and nauseating vapors and gases, breeding miasma and disease.

Here was an imperative demand for a necessary public improvement. There must be some outlet for this sewage in order that the health and life of the people in this section might be preserved, and their property protected. This sewer has been partially completed at an expense of \$200,000, and the debt funded at a low rate of interest.

Foster street has been extended at a cost of more than a hundred thousand dollars. All of these extra expenditures have been incurred at a time of great financial and business depression which our city has passed through in

common with the rest of the country. And in these depressed times our people demanded that the tide of indebtedness running out from the city should be stemmed, and instead of getting deeper into debt, we should turn short about and begin to pay off the indebtedness. To do this, without increasing the rate of taxation, required no little financial executive ability. But, sir, under your three years administration, I am happy to be able to state, this desired end has been obtained, and the credit of the City of Worcester stands among the first of the Cities in New England.

The recommendation for true economy, and a careful watchfulness over the expenditures of the people's money, which has been incorporated in your several messages to the City Council, coupled with the hearty co-operation of those associated with you, has gone far toward bringing about this desired end.

In your first inaugural you promised your best services and most constant attention to the duties of your high office, to the end that this city of ours might be well and economically governed, with honesty, frugality, and impartiality. How well you have kept that promise, then made, let the voice of the increased majorities with which you have been twice returned to your high office, tell.

Councilman O'Gorman addressed the Convention as follows :

MR. MAYOR, AND GENTLEMEN OF THE CONVENTION :—It is indeed a pleasure to me at this time to add my tribute to this offering in honor of our worthy and highly esteemed chief executive officer. I can fully endorse every sentiment that has been uttered by the gentlemen who have preceded me, and add thereto ; for certain circumstances have brought me more than once to His Honor as the suppliant for those who could not, from the very nature of their unfortunate condition, speak for themselves ; in no case were their wants ignored, but at many times their wants have been provided for by his own direct order. An incident that bespeaks his character more forcibly than any language of mine, transpired at a meeting of one of the committees of the City Council, of which I have the honor to be a member. It is this : A somewhat perplexing question was under consideration ; various methods were suggested looking to its adjustment. After much deliberation by the gentlemen of the committee, His Honor remarked : " Gentlemen, our first duty is to find out what is right, and having found that out, to do it, no matter who is pleased or displeased." To this striking trait of his character more than to anything, is due the great success of his administration. Add to this his strict attention to duty, his kindness to all, his firmness in emergency, his constant care for the best interests of this city and her people, and it may be truly said he leaves the charge given him by his fellow citizens with a consciousness of having done his duty, and may well say : " I have served the State, and merited these kind words said of me by those who were associated with me in the discharge of her affairs."

At the conclusion of Councilman O'Gorman's address, the resolutions were unanimously adopted by a rising vote.

The Mayor responded as follows :

*Gentlemen of the City Council :*

I thank you most sincerely for your approbation of my official conduct, which you have been pleased to embody in the resolutions just passed. I shall value the expression of it all the more highly, coming, as it does, at the close of so long a continuous service.

In addition to the constant and exacting duties of the office of Mayor, and the responsibility which attaches to it, the trials, the petty annoyances and the wearisome perplexities which surround it, and which must be encountered, are far more numerous and more burdensome than anyone who has not held the office can well imagine. No one can fully appreciate them until he has fairly grappled with them. And while I express to you my gratitude for this mark of your kindness, you will permit me to say, that whatever measure of success I may have achieved in the discharge of my duties, must be attributed in a great degree to your uniform kindness, and your unwavering support in the whole course of my official relations. Without the encouragement and assistance which I have at all times received from you, and from the co-ordinate branches of the Government, I feel that my labors would not have been marked with that degree of success which you have been kind enough to accord to them.

In taking leave of the position which, by the kindness of our fellow citizens, I have occupied for the three years past, it will not be deemed impertinent in me, perhaps, to pass briefly in review some of the more important measures which have come up for consideration and action during that time, and the work which has been accomplished. Such a review is due to you as well as myself, and certainly nothing can be more fitting or more appropriate, than that we should render an account of our stewardship to our constituents, in surrendering to them the trust which they have, with such generous confidence, thrice committed to us.

When the Government of eighteen hundred and seventy-seven entered upon its duties, it met, at the very threshold,

several very important matters demanding immediate attention, which came, naturally enough, from former administrations. The existence of such a state of things, while it imposed great labor and heavy responsibility upon the new administration, reflected no discredit upon our immediate predecessors. At the same time, they were matters which required decisive action, and called for the exercise of all the prudence and address at our command.

The first and most pressing of these questions came from the department having charge of the works for supplying the city with water. The extensive work of reconstructing and restoring the Lynde Brook dam was approaching completion. The expense attending it was necessarily heavy, and had been provided for by our predecessors. But the damages resulting from the destruction of the old dam, for which we were to provide the means of payment, assumed more formidable proportions. The difficulties to be encountered in the adjustment of the numerous claims growing out of the disaster, promised to be of the gravest character, requiring the most judicious management. Under the direction of eminent legal authority, the question of the *liability* of the city to make good the losses occasioned, directly or indirectly, by the breaking away of the reservoir dam, was waived. Upon this point, under the circumstances, there seemed to be no necessity for litigation. It only remained for us, therefore, to secure the most favorable terms for the city that we could, from the various claimants. In many cases we were met in a conciliatory spirit by those whose property had been destroyed or damaged, or whose business had been seriously interrupted by the accident. In other cases, long and tedious negotiations followed. But in all the claims but one, of any consequence, the adjustment has been effected with the parties themselves, and without a resort to legal proceedings. The final settlement has been made in nearly all cases, and upon such terms as must, I think, commend themselves to the good sense of our citizens, as being favorable to the interests of the city, and at the same time as doing substantial justice to the claimants themselves. The whole amount paid out for these damages is \$179,857.81; in addition to this there has been paid



out for pumping, labor on the dam, and an old claim of the Crompton Carpet Company, the sum of \$15,516.66.

Besides the large expenditures just enumerated, sums to the amount of \$24,180.32 have been paid for extending the water mains in different directions, and in different parts of the city, in some instances for affording a supply to new takers, and in others for making connections to promote circulation, thereby rendering the supply purer and more desirable for consumers. And I believe I hazard nothing in saying, that at no time have the means of supplying the inhabitants of the city with water been more complete, or in better order and condition than they are at present.

The care and maintenance of the streets, sidewalks and highways, in a city like ours, demand of us constant watchfulness and a large public expenditure. The work in this department is never finished, and the demand for new work and improvements never ceases. In addition to the ordinary work of the department, we have had upon our hands the vexed question of the Foster Street Extension. We were obliged to take the matter and deal with it as we found it. As the event proved, we had no choice. Before it reached us, the question had, from time to time, assumed different forms; and, although we sought to relieve the city of the burden which its construction would necessarily bring with it, our efforts in that direction were wholly fruitless. We were forced to yield, in compliance with a mandate from the Court, and execute the work. The street has been constructed at an expense of \$109,667.52. The betterments have been assessed, and in some cases been adjusted by the abutters. Whether the advantage to be derived by our citizens from the work, will prove to be what the friends of the project claimed for it, time only can determine. We have done what devolved upon us in as economical and prudent a manner as circumstances would allow; and I can only hope that our successors will experience less trouble and annoyance in disposing of whatever questions, growing out of this enterprise, may remain to be adjusted, than has fallen to our lot.

A portion of Main Street has been re-paved during the present year; and upon other streets, in different parts of the city,

improvements, extraordinary in their character, have been made during the three years now just ending, at an expense of nearly thirty thousand dollars. I believe we leave no important work in this department, for those who come after us, with the exception of what may be required in the completion of Quinsigamond Avenue.

By far the largest expenditure that has been made during our term of service, in the way of public improvements, has been in the construction of the Island Sewer. The execution of this work had been postponed from year to year, by successive administrations, upon the highly proper plea of economy, until necessity would admit the plea no longer. Sanitary considerations imperatively demanded some relief for the Island District, from the accumulation of sewerage flowing to it from other parts of the city. It became our duty to inaugurate and carry out this important work. The time at which the enterprise was undertaken, and has been carried forward, has, in some respects, been highly favorable. Materials of all kinds needed about it were cheap, and labor was abundant. And, although the manner of conducting the work, by placing it under the immediate charge of the Sewer Department, has received some criticism, as was to be anticipated, I think the final result, judging it in all its bearings, will fully demonstrate the wisdom of the course adopted. The work has been done in the most thorough and substantial manner, in all respects, and in such a manner as will render any material outlay upon it, for a long time in the future, wholly unnecessary. The city may well be congratulated upon the successful accomplishment of so important a public improvement. The whole expense incurred amounts to \$203,066.53. That portion of Millbury Street located over the sewer has been graded and completed, and is now open to public travel.

The other works of this department have been the occasional construction of sewers in different localities, as the convenience of our citizens, and the public health seemed to demand, and the ordinary care of the sewers, generally. So far as my knowledge goes, I am not aware of any important work that this department will be called upon for, in the immediate fu-



ture, beyond what construction may be needed for utilizing the Island Sewer, just completed, and that required for affording relief to the abutters on the Front Street Sewer.

But with all these extraordinary expenses, amounting to upwards of half a million of dollars, crowded, as they have been, into a space of three years, the volume of our public indebtedness has not been perceptibly increased. Nor has this been accomplished by the imposition of excessive or unusually heavy taxes. The rate of taxation for these three years, will compare favorably with that of any other three consecutive years, for a comparatively long period of our municipal history. And, when we bear in mind that these three years, just passed, cover a period of universal depression in business, many of the more important branches of our industry being virtually paralyzed, and that this has all been effected without any perceptible addition to the burdens of taxation, or any noteworthy embarrassment to our people, and that, too, under a constantly decreasing valuation of taxable property, the city may well be congratulated upon the success which has attended your labors and efforts.

By the courtesy of our City Treasurer, I am able to present the following statement, which shows at a glance, the condition of our city finances as they were when we received our charge, and as they are when we leave it. It carries with it its own explanation.

	Nov. 30, 1876.	Nov. 30, 1877.	Nov. 30, 1878.	Nov. 30, 1879.
Total Debt.....	\$2,492,300 00	\$2,509,200 00	\$2,507,100 00	\$2,542,300 00
Cash Assets.....	150,158 44	220,338 98	163,478 59	187,136 36
	\$2,342,141 96	\$2,288,861 02	\$2,343,621 41	\$2,355,163 64

By referring to the foregoing figures it will be observed that during the last three financial years, ending November 30, 1879, there has been a net increase of the city debt, amounting in all to the sum of \$13,021.68. During the same period, city indebtedness amounting to \$650,000.00, and bearing interest, for the

most part, at the rates of six and seven per cent., has been paid, and new loans to the amount of \$700,000.00, and bearing interest at the rate of five per cent., have been negotiated at an average premium of \$4.27 above par. The difference, namely \$50,000.00, represents the exact increase of our gross city indebtedness since November 30, 1876. The present funded debt comprises bonds at five per cent. amounting to \$733,000.00, and bonds at six per cent., amounting to \$1,809,000.00. There is no floating debt now outstanding.

On the 30th of November, 1879, the several sinking funds of the City, amounted to \$94,737.46. Of this amount the sum of \$20,120.57 is held for the redemption of old City debt outstanding in 1875, and the balance to meet the funded indebtedness created during the last three years. Since the 30th of November 1876, the city has contributed to the several sinking funds, exclusive of the unexpended balances etc. of 1879, the liberal sum of \$391,193.85, out of which amount the Commissioners have paid, in cash, the sum of \$350,000.00, towards liquidating our funded debt maturing in 1877, 1878 and 1879. The further sum of \$79,057.73, comprising revenue derived from certain special assessments and sundry unexpended balances, will be payable to the commissioners early in January 1880, as an additional contribution to the several funds now in their hands.

It is certainly a gratifying feature of our financial condition, that our bonds are readily taken up in the market for investment, and always command a handsome premium. I hope this is a feature we shall be able to boast of as long as we have any indebtedness at all. At the same time I trust it will never prove a sufficient temptation for any future administration to make material additions to our permanent debt which would otherwise be avoided.

The educational interests of the City have by no means been overlooked. Indeed, no administration which aims at a conscientious discharge of its duty, can well afford to do that. Our people are always liberal in their contributions for the support of schools; and any administration that neglects the duty of properly watching the conduct and management of these agencies of popular education, and the judicious appli-

cation of the means provided for their maintainance, betrays, to that extent, its trust. The improvement of these schools should be the first object aimed at, always. I trust it has been ours. While I may have differed, perhaps, from some of those associated with me in their care and direction, the difference has been an honest one. I have only expressed my convictions, — convictions which have in no degree had their origin in any factious or idle criticism, on my part, but from a real interest in the schools themselves, and an earnest desire to see them fulfil their mission the most efficiently, and in such a manner as will render them most serviceable to all our people. The sentiments to which I have taken the liberty to give utterance in my communications to you at different times, I still believe to be well founded; and I have only to hope that the expression of them will, in some degree, awaken public interest upon the subject, and lead to a more constant watchfulness, and a more faithful and zealous care of these institutions, which constitute the very foundation of our civil and religious liberty.

During the last three years, our school accommodations have been very considerably enlarged. One new building has been erected on Winslow Street, one on Grafton Street, and one at Lake View, at a total expense of \$31,684.96. In addition to this, temporary accommodations have been fitted up in different parts of the city to meet the more pressing demands of a rapidly increasing population. These temporary accommodations must of necessity give place, at no distant day, to those of a more permanent character.

The Police and the Fire Departments have both performed their appropriate and allotted work in a most commendable manner, and the organization of both has been kept up to a high state of efficiency. They deserve, as I doubt not they receive, the thanks of all our citizens, for the faithfulness they have manifested in the discharge of the duties which belong to them, respectively; and in no way are those thanks more intelligibly evinced than by the marked sense of security in relation to life and property, which pervades the community.

The steadiness of purpose, and the promptness and efficiency of execution, which have characterized the operations of the

Police Department for the last three years, afford, as it seems to me, a powerful, if not a conclusive argument, in favor of the principle which I have so persistently urged in my recommendations to you upon the subject—*permanency of the force*. It seems to me that the experiment which has been tried during this time, has proved in every way satisfactory, and I trust that the success which has attended it, will be sufficient to commend the principle to our successors, as affording the best means of providing an efficient Police force, and, so far, of ensuring good order and quiet in our community.

The public grounds have never been under more able or more careful management than at the present time. The parks have been constantly beautified and improved, and are now rapidly becoming objects of attraction. They have already become, in a great measure, what they were designed to be, resorts for all classes of our people who have need of healthful recreation. And while the work of improving these public places and making them more attractive, is in charge of so able and efficient a head, and the work can be accomplished in so faithful and economical a manner as it has been done for the past few years, I am quite confident our citizens will most heartily approve of the appropriations we have made in that direction.

The City Farm has been under the care of a faithful Superintendent, and its condition at the present time is highly satisfactory. Some changes have been made which have been thus far regarded as improvements. The scavenger department, which was at one time an expensive appendage—so much so that the abandonment of it was seriously contemplated—has been so conducted as to become, substantially, self-supporting; and while it is no longer an expense to the city, performs its share of the sanitary work, a function which was one of the original purposes of its creation.

One of the first subjects to which I called the attention of the City Council, in entering upon my official duties, was the consideration of the funds and property bequeathed to the city by the late George Jaques, for the support and maintenance of the City Hospital. Measures were taken at an early day which resulted in the establishment of a permanent Commission for its

care and management. The success which has attended the labors of the Commission has been all that could have been anticipated. The condition of the property, being in the charge of able and practical business men, is now satisfactory. The income arising from the fund is constantly increasing, and at no distant day will, in all probability, be ample for the support of the hospital, without the aid of any general appropriation from the City Council for that purpose.

In the work of erecting a hospital building upon the land donated to the city for that purpose by Mr. Jaques, that progress has not been made which I could have wished, or which all our citizens who have the honor and good name of the city at heart, had a right to expect of us. Our action in relation to the prosecution of this work is indefensible. In whatever aspect the matter is presented, or from whatever point it is viewed, we must stand condemned. The building should have been erected long ago; and our postponement, or rather our neglect of the duty, year after year, reflects great discredit upon the City, and places our people in an unenviable position. It has a tendency to discourage, if it does not actually prevent, those benevolently disposed, from following the good example of Mr. Jaques, by making the city almoners of their wealth, in the cause of relieving human suffering, by creating a doubt as to whether their purposes will ever be carried out, or the bounty which they bestow will ever be applied. Under the circumstances, we have had, and now have, but one course to pursue. The question of what is our duty is not open to argument. And those who seek to embarrass it, for the purpose of relieving the City of its obligations, by discussing the fitness of the site, the ultimate intentions of the donor, or the donor's probable course could he have anticipated so early a demise, are assuming a false position. The question of the fitness or unfitness of the site, was submitted by Mr. Jaques to those in whom the City had confidence as being competent to decide it, and was definitely settled before the gift was made. The deed confirming the gift, and vesting the title to the land in the City, contained certain conditions, plain, direct, and intelligible, incapable of misconstruction, and fully defining the meaning and



setting forth the wishes of the giver. These conditions indicated the plain intention on the part of Mr. Jaques, to have this land used for the purposes for which it was given, and in good faith. The City accepted the gift, with a full knowledge and understanding of those conditions. The force and meaning of them could not be misapprehended. By accepting the deed, the city entered into a solemn compact to carry those conditions out. The land is still retained, but the conditions in the deed of gift, by which it is held, are not complied with. The whole matter, therefore, resolves itself into a question of common honesty, so simple that any one may comprehend it, and so striking that no one can overlook it, or ignore it. The City, moreover, has by no means improved its position by having made application to the Courts for relief from its obligations, and having its application denied.

But I indulge in the hope that our successors will pursue a wiser course, in relation to this important trust, and one directed more by a sense of justice, of right, and of gratitude, than ours or that of our predecessors, has been. With them will be the power, as it has been with us, to make reparation in this matter, so far as reparation can be made. They will possess, as we have possessed and lost, or, what is worse, thrown away, the golden opportunity of redeeming the faith and integrity of our city, to some extent, from the effects of this great wrong, and showing that we can be the faithful dispensers of a princely gift consecrated to the work of relieving the sufferings of humanity, which are to be met with always, and everywhere, around us.

*Gentlemen of the Council:*

We are about to leave these seats to our successors. The memory of the associations formed in these chambers will be treasured up by me with peculiar pride and satisfaction, as among the most agreeable of my life. And I trust that when we go forth from these places, our relations will be no less cordial and friendly than they have been here. Again thanking you for your courtesy and kindness to me, and for the aid and encouragement which you have afforded me in the discharge of my duties, I take my leave of you, wishing you, in all sincerity, abundant prosperity and happiness in the future.



# MAYOR'S ADDRESS.

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*Gentlemen of the Board of Aldermen,*

*and of the Common Council:*

In assuming the responsibility of administering the municipal government for the coming year, our first duty is to make ourselves familiar with the work entrusted to our care. To this end I propose to lay before you, at this time, in as brief and concise a manner as possible, such information as I have been able to gather during the limited time allotted me for the purpose. Before proceeding, however, directly to the subject in hand, I cannot forbear to congratulate you upon the revival of business, so long depressed, and upon the prospect of a return of prosperity to our industries throughout the country.

Our own city, containing so many elements of thrift and enterprise, and such a variety of mechanical pursuits, is among the first to experience the change. Our manufacturing establishments are already sounding with the busy hum of industry, and our people are again wearing the cheerful smile of contentment. During the year just closed we have escaped the perils of fire to an unusual extent, and our people have enjoyed an average degree of health. For all these, and numerous other blessings, we should be profoundly thankful to that Supreme Intelligence which governs the universe.

I need not admonish you to be diligent and faithful to the interests committed by the people to your care. Many of you have already given much of your time and services to the city, and the citizens have manifested their confidence in you by repeatedly recalling you to your several positions of honor and responsibility. The new members will, necessarily, be obliged

to give more study to the affairs of the city, but I trust that they will find their new duties agreeable, and that their services will prove acceptable to their constituents.

Every good citizen owes a certain portion of his time and services to the government whose benefits he enjoys. While the services rendered by you will doubtless prove valuable, and in fact may be more conspicuous for the time than any which are rendered in other departments, still it should not be forgotten that the various boards to which you delegate authority are also quietly doing a large amount of gratuitous labor in behalf of the city. These boards embrace many of our best citizens, who have really more at stake than many of us. They should be heartily supported, and no interference should be allowed in the performance of their legitimate work.

Good men who have proved their ability and fidelity to duty in these, or in any other departments of the city's service, should be retained as long as they can be had.

#### FINANCES.

The present financial condition of the city should receive your careful consideration, and, by keeping it constantly in mind, you will be enabled to form better judgments upon the many questions you will be called upon to decide, involving the expenditure of money. It is obvious to any one who will take the trouble to examine the subject that the larger part of our municipal indebtedness has been contracted in constructing the city aqueduct, and the system of sewerage, which became its indispensable concomitant.

It cannot be denied that these great enterprises, pushed with so much vigor up to the present time, have had much to do with the growth and prosperity of our city. It should not be forgotten that during the last thirty years we have emerged from the modest proportions of a country village to the respectable dimensions of a metropolitan town.

Situated as we are, forty miles from the sea, with no river or other natural water supply available even for domestic purposes, no stream into which we could empty our sewage, in fact

with no special advantages wherewith to build a city, what else but the indomitable energy and courage of our people, displayed in overcoming these obstacles, would have given us the Worcester of to-day? . With no rival of its size in the extent and variety of its manufactures, in its educational facilities, or in the general intelligence of its people, certainly we have good reason to congratulate ourselves upon its present proud position among the cities of the Commonwealth.

I am informed by the Treasurer that the bonded city debt at the close of the last fiscal year amounted to \$2,542,300.00, classified as follows: Funded city loan, \$1,845,000.00; funded sewer loan, \$311,900.00; funded water loan, \$385,400.00; and that there was no temporary loan outstanding Nov. 30, 1879. Of the above amount \$733,000.00 bear five per cent. interest, and the balance, \$1,809,300.00, interest at the rate of six per cent. The following table will show the amount of bonds outstanding, amount of debt paid, the amount of bonds renewed, and of new loans placed during the last year:

STATEMENT OF FUNDED CITY DEBT.

Titles of Loans.	Amount Dec 1, 1878.	Paid in 1879.	Balance Outstanding.	Debt re- newed and new loans, 1879.	Total Debt outstanding November 30, 1879.
Funded City Loan,	\$1,779,000	\$174,000	\$1,605,000	\$240,000	\$1,845,000
Funded Sewer Loan,	228,200	16,300	211,900	100,000	311,900
Funded Water Loan,	399,900	14,500	385,400		385,400
Temporary Loans,	100,000	100,000			
Totals,	\$2,507,100	\$304,800	\$2,202,300	\$340,000	\$2,542,300

Bonds to the amount of \$162,100.00 mature in June and July next, and to the amount of \$500,000.00 on the first day of January 1881, making a total of \$662,100.00 to be provided for during our term of service.

The wisdom of the Legislature in passing the Statute of 1875, regulating municipal indebtedness and providing a check upon the prevailing extravagance of towns and cities is unquestioned. This statute was enacted none too soon.

Under the provisions of our City Ordinance made the same

year, a sinking fund was established for the redemption of the indebtedness contracted prior to that date, designated as the old debt, on or before June 1, 1905. The same ordinance provides for the establishment of sinking funds for the extinguishment of all new debts, as the same shall mature.

The whole amount of the sinking funds November 30, 1879, was \$94,737.46, of which \$20,120.57 was on account of old debt, and the balance on account of new loans since 1875. Additional sums amounting to \$79,057.73, being the balances of last year's appropriations and sundry assessments, were contributed to the several sinking funds early this month.

During the last four years \$547,400.00 of the old debt has been paid out of funds in the hands of the Commissioners. This large reduction of our old indebtedness is one of the favorable signs of the times, and its accomplishment is highly creditable to those who have had the management of our city finances.

Besides the ordinary running expenses of the government for the current year, including the large interest account to be provided for, we shall be compelled to complete the construction of Quinsigamond avenue, at an estimated expense of \$16,000, including unpaid land damages. We shall also, undoubtedly, be called upon to build a six feet brick and stone sewer through this street to drain the western portion of the Island and to take the sewage of the Piedmont district, at an estimated cost of \$65,000. To connect the Island sewer with the Mill Brook sewer at Cambridge street it is estimated will cost \$6,000.

#### CLAIMS AGAINST THE CITY.

There are sundry suits pending against the city growing out of various sewer assessments, the construction of Quinsigamond avenue and Foster street, and the pollution of land by sewage deposit from the Piedmont sewer.

The claims growing out of the Lynde Brook Reservoir have all been settled but three, which are now in suit; one of the parties claiming \$3,000, another \$12,000, and the third \$40,000. These suits will probably have to be tried, unless the parties reduce their claims very materially.

There are three suits pending for damages for personal injuries on account of defective ways. Other claims are as follows: One for balance due for building the new road from Quinsigamond towards Millbury; one in favor of John W. Wetherell for damages for constructing a sewer across Pleasant street on his land near Park avenue; one in favor of R. A. M. Johnson, for damage caused by lowering the grade of Jackson street; and one of Uriah Stone, for damages caused by percolation of water from Hunt's reservoir.

The amounts for which we may become liable in these several suits cannot be readily estimated, as they are mostly for unliquidated damages.

#### HIGHWAYS.

Within the city limits there are 142 miles of public streets; 55 miles of private streets; 19 stone arch bridges, 16 wooden bridges and 2 iron bridges, besides numerous small culverts; all of which are to be kept in repair for the safety and convenience of those who use them, as well as in the interests of true economy. The principal work of the Highway Department during the past year, aside from ordinary repairs, has been the completion of the Foster street extension and the relaying of 5,883 yards of stone paving on Main street, substituting small granite blocks for the large square ones that were formerly in general use. I urgently recommend a liberal appropriation for paving during the coming year. A certain amount of this kind of work should be done from year to year, and its cost would, in my opinion, be a wise and economical expenditure. The places which most need paving, and which are found expensive to keep in repair, are South Main street, from Piedmont street to Benefit street; Trumbull street; Green street, as far as the railroad crossing; Park street, running westerly to Main street; Grove street, beginning at the junction of Salisbury street, to the wire mill; and Lincoln street, from Lincoln Square to a short distance beyond Linwood place. Lincoln Square, also, ought eventually to be paved.

This amount and kind of work could not, of course, all be done in a single year; but the most important locations should



be selected and paved this season. The small Belgian blocks have proved the most serviceable for paving purposes, both here and elsewhere.

Quinsigamond avenue, running in a northerly direction from the junction of Cambridge and Millbury streets, diagonally across the Island, and intersecting with Southbridge street near the southwesterly corner of the Sargent Card Clothing Co.'s factory, was laid out by decree dated April 29th, 1878, and an order to construct the same was adopted March 10th, 1879, the time allowed for its construction having been once extended by the Legislature. Work costing \$5,676.59 has already been done thereon, mostly by filling in the debris from the Island sewer, below Cambridge street. The time limited by law for completing the making of this street expires April 28th, 1881, and it must be done on or before that date, in order to secure any betterments that might be assessed to abutters and other parties benefitted thereby. The contemplated sewer, virtually an extension of the Island sewer, should be constructed in connection with this street. The estimated cost of completing the street, including unpaid land damages awarded, is \$16,000.

No other important work in the way of new streets is anticipated this year, so far as I know. It is to be hoped that some equitable arrangement can be made with the Providence & Worcester Railroad Co. to improve Southbridge street by rebuilding their bridge crossing that street below the South Worcester station. The expenditures of this department during the last year were \$63,130.07. The amount charged to street construction, including Foster street, was \$52,558.05.

#### LIGHTING STREETS.

The city has established in all 690 gas lights and 756 gasoline lights. The cost of erecting gas light fixtures, including the iron post, lantern, setting, etc., is from twenty-five to twenty-eight dollars each, and the cost of maintaining the same under the present contract with the Gas Company, which holds until October 1, 1882, is twenty dollars a year. To put a gasoline light in order to be used costs nine dollars, and to maintain it



under the new contract, which was made last year, and which expires the 1st of May next, costs \$15.60 a year.

It cost last year to light the city the sum of \$27,298.84. The gas light is much the most satisfactory, and probably in the long run is the cheaper. I think it would not be advisable to introduce the gasoline on any street where there is a gas main, or where the Gas Company could be induced to lay one.

#### WATER.

The present capacity of our water works is about 290 days' supply. At this time, however, we have but 140 days' supply in the reservoirs. The rate of consumption is about 2,500,000 gallons per day, an amount equal to 50 gallons daily for each inhabitant. This rate is altogether too much, as compared with that of other cities at home and abroad. Meters have done much to prevent waste, but there is room for still greater improvement. If the amount used could be reduced by a uniform system of measurement to 30 gallons per day for each inhabitant, it would diminish the amount to be drawn from the reservoirs 1,000,000 gallons per day, or 365,000,000 gallons per year, a total amount equal to about one-half the present capacity of storage. Could this be done, the question of additional supply would not, in my judgment, trouble us for some years to come.

With closer economy we might deal more liberally than at present with manufactories using water in considerable quantities. The fostering of manufacturing enterprises should be regarded as one of our first duties, it being one of the most important factors in the growth and prosperity of Worcester.

The dam and gate house are said to be in good condition, and perfectly safe, and the grounds about the reservoir are being improved every year.

The objectionable quality of the City water was quite noticeable a year or two ago. The same trouble was reported in other localities, the cause of which is still an unsolved problem among scientific men. A request for a water main to Quinsigamond will undoubtedly be made early this year. Petitions for ex-

tensions of water pipes are already referred to us, and should receive your attention at an early day.

The aqueduct consists at present of 77 miles of main and distributive pipes, constructed at a cost of about \$1,250,000.00. The revenue derived from water rates last year was \$73,296.40.

#### SEWERS.

The principal work of this department for the last two years has been the construction of the Island Sewer, so called, which has been completed from the north line of Cambridge street to Quinsigamond, a distance of 4,000 feet. The total cost of this great public improvement is \$203,066.53.

To fully utilize this sewer, as it was originally contemplated, it will be necessary to construct a six feet brick and stone sewer through Quinsigamond Avenue in order to drain the western portion of the Island and to take the sewage of the Piedmont district which now empties into Mill brook near the Sargent Card Clothing manufactory. It will also be necessary to make a junction at Cambridge street with the Mill brook sewer, which now carries the largest part of the sewage of the whole city.

An attempt was made a few years since, at considerable expense, to relieve the Front street sewer by diverting the sewage through Pleasant street across Main street into Mechanic street. This relief, however, was but partial, as it is found that the Front street sewer, which was built some thirty years ago, is inadequate by reason of its small size and its high grade, to drain the cellars of the new and handsome blocks on that street. The city has already been threatened with suits for damage caused by flooding the cellars of these blocks, and other buildings, with the back water from the sewer. The trouble can be remedied by lowering the grade of the sewer and increasing its size, at an estimated cost of eight thousand dollars,—a work which I recommend to be done the present year.

The sewage of the Pine Meadow district, Lincoln Brook district, and the South Main Street district, near New Worcester, will have to be attended to in the near future.

Our system of sewerage consists now of 37.69 miles of sewers, 957 catch basins, and 1,458 man holes. The number of permits to enter the public sewers to date is 2,402. The total cost up to this time has been \$1,574,430.93.

#### FIRE DEPARTMENT.

The Fire Department consists at present of a Chief Engineer and four Assistant Engineers, forty-two members of steamer companies, thirty members of hook and ladder companies, fifty-nine members of hose companies, and four members of the Babcock Fire Extinguisher company, making a total of one hundred and forty men. The apparatus consists of five steamers, four of which are in service and one held in reserve, twelve four-wheeled hose carriages carrying eight thousand feet of hose, three hook and ladder trucks, one of which is held in reserve, and one chemical engine.

Two thousand feet of American jacket hose were purchased last year, which, together with the 14,800 feet of various kinds on hand, make up a reasonably good supply for the present needs of the department. Owing however to the rapid deterioration of all kinds of hose it is a matter of economy for the city to purchase a certain amount each year.

The large alarm bell located on Pleasant street has been recently taken down and recast into three smaller ones, very much to the satisfaction of all concerned. One bell striker and four signal boxes have also been lately put up by the department. A new house for Hose Company No. 3 was built last year on the corner of Grafton and Providence streets, at an expense of \$4,178.52.

While this department has an excellent reputation and is justly held in high esteem by our citizens, I am informed that some changes might be made which would render it still more efficient without increasing its cost. The officers of the various companies, it is believed, should be appointed by the Board of Engineers, with the approval of the Board of Alderman, instead of being elected by the members, as at present. It is also thought that two of the four hand hose carriages could be dis-

pensed with, without detriment to the department, by changing the other two to horse carriages, and having another chemical engine located in the central part of the city to occupy one of the two houses made vacant by the change.

The telephone companies' wires have been so numerous erected of late, and located in such a manner, that they have already become a serious annoyance to this department. They stretch across streets and alleys in the vicinity of some of our most valuable buildings so as to make it almost impossible to raise long ladders and to work the fire apparatus to advantage. These companies should be required to change the location of their wires, and the superintendent of the fire alarm telegraph should be authorized to look after the putting up of all wires and other similar obstructions to the free working of the fire department. The cost of maintaining the department last year was \$40.452.81. This sum is exclusive of twelve hundred dollars contributed by the city for the support of the Fire Patrol,—an association which has done excellent service since its organization.

#### POLICE.

The present police force consists of fifty-two men, regularly appointed, including the Marshal and two Assistant Marshals, and three special policemen, who do full duty and draw full pay, besides numerous other specials who act in a private way without compensation. There are forty different districts or "beats" to cover, none of which should be neglected; and six of these are of such a character as to make it necessary for two officers to patrol each one of them in company. I am convinced that the force is too small and that it should be increased by the addition of from ten to fifteen men at once. I am also of the opinion that the appointments in this department should be permanent, and that removals should only be made for cause. This opinion has been frequently expressed by my predecessors, but nothing has come of it. I trust that such steps as may be necessary will be taken at once to accomplish this desirable end. Policemen are not unlike other men, and therefore should be above all mere political influences, as otherwise they are liable

to be governed mainly by what they think to be for their own interest. They should be subject to strict military discipline in order to promote harmony and efficiency in the department. The men composing the force should be within a certain age, sound in body, possessing intelligence and good character, and able to resist all contaminating influences. Brutality, the exhibition of temper, or a vindictive spirit shown towards offenders, should be sufficient causes to disqualify men for this position. These officers of the law should bear in mind that they are the servants of the people, and should so conduct themselves that by their simple presence, no less than by their kindness of heart extended even to the degraded and vicious, they may be able to exert a better moral influence than can ever be expected from any exhibition of any mere physical force. The display of clubs and pistols should never be made except under circumstances of great personal peril.

In organizing the department for the coming year some changes may be found desirable. Questions in regard to the utility and necessity of the mounted police, and other matters pertaining to the cost and efficiency of the force, will call for our careful consideration. The cost of the department last year was \$47,357.60.

#### PUBLIC LIBRARY.

The appropriation for this department last year was \$8,000. To this sum was added the dog money, and the receipts at the library for fines, etc. The total receipts for the year, exclusive of the interest on the Green Library and reading room funds was \$11,318.10. Total expenditures, \$11,307.91. The sum of \$2,200 was expended for the purchase of books. The average amount annually spent for books during the last seven years, is upwards of \$4,000. The annual report of the directors, which will soon be laid before you, shows that the use of the library has been very large during the past year, and that those in charge have aimed to raise the character of the books purchased. The use of the reference department has grown from almost no use, nine years ago, to a delivery to students and readers of more than 34,000 volumes last year.



This institution is closely allied to our schools, in spreading knowledge broadcast in the community. The material prosperity of our city, as well as its intellectual growth, is advanced by this institution. I bespeak for it your careful consideration and generous support.

#### PUBLIC GROUNDS.

The department of public grounds has been liberally supported for the past few years, and the commissioners have shown good judgment in improving and beautifying the public parks of the city. The able chairman of this commission has certainly displayed good taste in the discharge of his duties, and deserves much credit for his unselfish devotion to the interests of the public grounds of the city.

The expenditures of this department last year amounted to \$4,971.64.

#### CITY ORDINANCES.

The City Ordinances have not been revised since 1867. As there is much in them that is useless and confusing, they, as well as the City Charter, should be revised and codified, so as to conform to recent statutes—expunging all unnecessary provisions, and making the same as simple as possible. A special committee of the last City Council made some progress in this direction, and you will have the benefit of their labors. It may be necessary to ask the Legislature for authority in this matter; if so, I doubt not it can be easily obtained.

#### BOARD OF HEALTH.

The Board of Health was established in pursuance of the Statute of 1877, which was duly accepted by a vote of the citizens. It consists of the City physician, *ex-officio*, and two other members. The Board; while it has already done some good, has never received that encouragement and support which it should have had, in order to give the law a fair trial. The State Board of Health, created by the Legislature of 1869, has furnished us,



annually, much valuable information concerning public hygiene. Local Boards were designed to be auxiliary to the State Board. To prevent disease by instituting the best sanitary conditions among the people, is the object of this and similar boards throughout the country. The eminent Dr. Rush, one of the few men who live in the memory of men after the lapse of a century, once declared that the means of preventing certain pestilential diseases, were as much within the control of human reason and industry, as were those of preventing the evils of lightning and common fire. This opinion, expressed nearly one hundred years ago, has been largely acted upon by scientific men, especially in Massachusetts, during the last ten years.

I urgently recommend that more attention be given in the future to this important subject. I confidently believe that competent men can be found who would give a portion of their time and attention to this matter for a very moderate compensation.

After a few years of service on the part of an intelligent and prudent Board of Health, I have no doubt that our people would be convinced of its utility.

#### THE PUBLIC CHARITIES.

Our Charities are said to be judiciously managed, the method and system adopted by the department being calculated to insure the best results from the amount disbursed. I recommend that liberality be exercised in our disbursements, as it is better that many unworthy ones be aided than that any deserving person should suffer. The almshouse and outbuildings are reported to be in good repair.

On account of the many alterations made in the settlement laws, during recent years, there is every reason to believe that the numbers to be cared for by this department will be largely increased in the future. The idiotic, the harmlessly insane, the vicious, and all others, are now crowded together into small and poorly ventilated apartments at the almshouse. A recent visit to this establishment convinced me of the necessity of an additional wing to the main building, in order to be able to classify and give better accommodations to the inmates.

The whole expense of the pauper department last year was \$36,046.39.

#### SCHOOLS.

Our Common School system has been fostered by the State from its foundation. It is so interwoven with our system of government, and forms so important a factor in it, that the one is dependent upon the other. The very foundation of our Republic rests upon the idea of general intelligence among the people. Man, as an individual, stands for something under our civilization. Formerly he was accounted as nothing, compared with the welfare of the State. The theory now is exactly reversed, and the State claims to have the tenderest interest in the welfare of each and every one—the poor and the rich alike. Most people believe that a well stored mind is the pearl of great price, and that the best legacy we can leave our children is a good education.

The School Board is a distinct part of the City Government, elected by and directly answerable to the people like ourselves, and wholly responsible for the judicious expenditure of the largest item of our annual appropriations. It is our duty to understand the exact relation existing between us and this board, and to cheerfully furnish the means necessary to carry on its important work without embarrassment. It is the duty of that board to judge of the necessity of more school accommodations, and no school house can be built or materially altered without its approval of the location and plans. While that body, therefore, has well-defined functions, and is, within its appropriate sphere, not accountable to the City Council there is no need of the least want of harmony, since all are working for a common end—the good of the city.

During the past year there is every reason to believe that the schools have been economically and successfully conducted. The expenditures of the present year will of necessity be somewhat larger on account of the greater number of pupils, the consequent increase of the teaching force, and the rise in labor and materials. The number of children of school age has, for the past two or three years, increased by about 400 annually. Last

year one school house was built on Grafton street, and the year before one on Winslow street, each of these accommodating about 200 pupils, or one-half the increase for those years respectively. For several years previous no new houses were built. One of our first duties will be to consider the propriety of more school accommodations in the vicinity of Oxford street and Edgeworth street, concerning which communications from the School Board have been referred to you by the last City Government.

The expenditures of this Department last year were \$142,070.72, and are classified as follows :

Cost of Instructors.....	\$133,242 34
Repairs of Houses and Furniture.....	5,017 66
	<hr/>
	\$138,260 00
The Day Schools cost....	\$135,367 85
And the Evening Schools, and the Free Evening	
Drawing Schools.....	2,892 15
	<hr/>
	\$138,260 00
Permanent Improvement in School Houses,	\$1,207 79
Rents for extra School Rooms, and Sup't's	
Office.....	1,630 00
	<hr/>
	\$2,837 79
Premium on Insurance Policies, etc. ....	972 93
	<hr/>
Total,	\$142,070 72

The whole number of pupils registered in the Day Schools last year was 10,029; in Evening Schools, 811; average number belonging to Day Schools, 7,745; to Evening Schools, 293.

The cost per scholar, reckoned on the average number attending was in Day Schools, \$17.47; in Evening Schools, \$5.03.

The number of teachers employed in Day Schools was 200; number in Evening Schools, 27.

The following table will show the number of pupils in school at the close of each term, Winter, Spring, Summer and Fall, from 1873 to 1879, inclusive :

NUMBER OF PUPILS AT THE CLOSE OF EACH TERM IN THE  
YEARS 1873-79.

	1873	1874	1875	1876	1877	1878	1879	Incr'e '78 to '79
End of Winter Term about Feb. 15		6492	6394	6781	6917	7203	7724	521 Feb,
“ Spring “ Apr. 30		6414	6438	6851	6852	7307	7662	355 Apr.
“ Summer “ June 30	5950	6266	6400	6751	6810	7422	7716	294 June.
“ Fall “ Nov. 30	6562	6729	7037	7134	7348	7873	8159	286 Nov.

CITY HOSPITAL.

I think it is not out of place for me to say that the administration of the City Hospital has been conducted with such efficiency, fidelity and economy, as to have proved satisfactory to the City Government from the first, and to have commanded the constantly increasing approbation of the public at large. The usefulness of the institution is certainly becoming more and more conspicuous from year to year. The Trustees inform us in their annual report, which has already been presented, that the accommodations in the buildings on the Jaques homestead are sufficient for present wants, and would probably meet the requirements of the city for some years to come.

The propriety of making immediate provision for large future wants, by building at once, on the lot at the corner of Queen and Prince streets, which Mr. Jaques gave for that purpose, some time before his death, has been considered by a committee of the City Council, during the past year, and their report will be brought to your notice, among other matters of unfinished business. While it is obvious that larger accommodations are not immediately needed, and that the erection of a hospital building would involve a considerable expenditure, besides requiring a somewhat larger annual appropriation for running expenses, it should also be borne in mind that we are now occupying the best part of the homestead estate, which will soon have a considerable market value, and that any sale of the Jaques lands makes an addition to the fund whose income goes to the support of the hospital. Hitherto, in my opinion, nothing has been lost by waiting, and the fact that we have not yet built on the lot referred to, can hardly be regarded as indicating any lack of respect for the memory of Mr. Jaques, who, as we all know, wished only to benefit the city. Mr. Jaques, who was a

trustee of the hospital, was of course deeply interested in the institution, and, in connection with others, was confident that we could not long remain in the Bigelow mansion, which at the time the gift was made, we were occupying for hospital purposes.

In this connection it may be proper to say that it has seemed to many, and especially to the very respectable medical gentlemen serving upon the staff, that it would be much better in a sanitary, as well as in an economical point of view, for the institution to remain, at least for the present, where it is now located. On the other hand, a large number of our citizens, whose opinions command respect, including my immediate predecessor, have thought that the delay in building on the gift lot, should be regarded as the breaking of a solemn contract, made in good faith by the parties interested, and that therefore we were justly chargeable with a want of respect to the memory of one of the city's most unselfish benefactors.

Some ten years ago the late Deacon Ichabod Washburn, in addition to other acts of benevolence, placed a sum of money in the hands of trustees to be used at their discretion, in building a memorial hospital of such special character as they might deem advisable. I am informed that the money has been kept at interest and now amounts to a considerable sum, and that the trustees are desirous of utilizing it for the purpose for which it was donated. If the city could make some amicable arrangement with the Washburn trustees whereby two distinct hospitals could be built within one enclosure, each caring for different classes of patients, and so connected as to be under one superintendent, it would undoubtedly prove advantageous to all concerned. To this end I earnestly recommend that a committee be appointed to confer with the Washburn trustees, and, if no arrangement can be made with them, that you consider at the earliest possible time the expediency of erecting, during the present year, an inexpensive hospital building of sufficient capacity to accommodate forty or fifty patients of the class for which this important public charity was originally designed.

#### HOPE CEMETERY.

Hope Cemetery contains about 67 acres of land, and, by its situation and natural features, is peculiarly adapted for the pur-



poses for which it was designed. The hand of taste has already scattered among the trees enduring memorials of marble and granite, and has produced a landscape of picturesque beauty. No place in the environs of our city possesses stronger attractions to the visitor. To the mourner, especially, it offers seclusion, amid the consoling influences of nature. The history of mankind, in all ages, shows that the human heart clings to the grave of its disappointed hopes and wishes. In no place can this truth be more fully realized than in our own beautiful cemetery, where, amidst the quiet verdure of the fields, and under the cheerful light of heaven we learn to recognize the great law of nature which declares that to die is but to live again.

It is hardly necessary to add that the interests of Hope Cemetery are judiciously cared for by the commissioners, whose services have been freely given, without compensation of any kind, except the consciousness of having faithfully administered the important trusts confided to them by the City Council. For information in regard their doings last year, I beg to refer you to their report, which will shortly be laid before you by the commissioners.

#### CONCLUSION.

In conclusion, gentlemen, permit me to say, that I have purposely avoided wearying you with the figures and details of the several departments of the government, full reports of which will soon be placed before you in print. As to the recommendations in some of these reports, I intend at this time to express no opinion whatever, preferring to wait until a greater familiarity with the subjects therein considered shall enable me to form a more intelligent judgment than can be possible at the present time.

It remains only for me to add that I shall rely largely upon your generous support and cordial co-operation in everything which pertains to the welfare of our people.

In entering upon the important office to which I have been elected, I am actuated by only one motive—an honorable ambition to win the regard and esteem of our fellow-citizens, and to make my administration fill a not unimportant page in the history of our beloved city.

# REPORT

OF THE

# AUDITOR.

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CITY OF WORCESTER,  
AUDITOR'S OFFICE, January 5, 1880.

*To the Honorable City Council:—*

GENTLEMEN.—In conformity with the requirements of Section 16 of the “Ordinance relating to Finance and establishing Sinking Funds,” the undersigned presents herewith his Annual Report of the receipts and expenses of the City of Worcester, exhibiting the same as classified in the several Department Accounts, in connection with the appropriations for the financial year ending November 30, 1879, and showing the balances unexpended at that date, the Liabilities and Cash Assets then existing, and a Schedule of the City Property.

Respectfully submitted,

HENRY GRIFFIN,

*Receipts.*

The receipts for the year ending November 30, 1879, are shown in aggregates, as credited to the following accounts:

No. of Acct.

1.	City Hall,	\$1,003 85
2.	City Hospital,	4,384 12
3.	Collector's Sales, surplus account,	35 15
4.	Fire Department,	935 64
5.	Free Public Library,	3,318 10
6.	Highway Department,	18,708 71
7.	Incidental Expenses,	8,585 94
8.	Interest,	13,604 93
9.	Lighting Streets,	84 77
10.	Liquor Licenses,	22,909 00
11.	Loans, Funded City,	240,000 00
12.	Loans, Funded Sewer,	100,000 00
13.	Loans, Temporary,	405,000 00
14.	Pauper Department, City Relief,	3,766 44
15.	Pauper Department, Farm,	3,508 35
16.	Pauper Department, House Offal,	4,313 08
17.	Police Department,	5,179 48
18.	Premium on City Bonds,	22,156 00
19.	Public Grounds,	7 00
20.	Real Estate, Lien Account,	411 72
21.	School Department,	404 68
22.	School Houses,	88 02
23.	Sewer Assessment, Old Account,	105 85
24.	Sewer Assessment, New Account,	6,892 54
25.	Sewers, Construction,	1,636 11
26.	Sewers, Island Account,	1,749 31
27.	Sewers, Maintenance,	37 62
28.	Sidewalk Assessment,	2,459 44
29.	Sinking Fund, 1875, General Debt,	108,508 89
30.	Sinking Fund, 1876, Water Loan,	129 01
31.	Sinking Fund, 1877, Lynde Brook Damages,	452 87
32.	Sinking Fund, 1878, " " "	589 50
33.	Sinking Fund, 1879, " " "	294 42
34.	Sinking Fund, 1879, Island Sewer,	971 11
35.	Sinking Fund, 1879, Foster Street,	736 04
36.	State Aid,	11,811 68
37.	Street Betterment Assessment,	13,140 66
38.	Taxes, 1874,	9 88
39.	Taxes, 1876,	347 58
40.	Taxes, 1877,	123 04
41.	Taxes, 1878,	25,890 14
42.	Taxes, 1878, Corporation,	29,235 75
43.	Taxes, 1878, National Bank, State Acct.,	6,173 17
44.	Taxes, 1879,	638,572 32
45.	Water Works, Construction,	13,938 64
46.	Water Works, Maintenance,	73,149 40

Total Receipts,

\$1,795,359 95

*Expenses.*

The claims for the year ending November 30, 1879, as approved and drawn for in the Auditor's office, are shown in aggregates, as charged to the following accounts:—

No. of Acct.

1.	Abatements and Discount,	\$40,703 48
2.	Board of Health,	93 94
3.	City Hall,	4,741 18
4.	City Hospital,	8,368 78
5.	Collector's Sales, Surplus Account,	66 21
6.	Fire Department,	40,452 81
7.	Fire Department, Fire Patrol,	1,200 00
8.	Free Public Library,	11,307 91
9.	Free Public Library, Repairing Building,	
10.	Highway Department,	63,130 07
11.	Incidental Expenses,	11,133 21
12.	Interest,	120,035 12
13.	Interest on Sewer Loan,	16,192 00
14.	Interest on Water Loan,	22,959 00
15.	Lighting Streets,	27,298 84
16.	Liquor Licenses,	5,727 25
17.	Loans, Funded City,	174,000 00
18.	Loans, Funded Sewer,	16,300 00
19.	Loans, Funded Water,	14,500 00
20.	Loans, Temporary,	505,000 00
21.	Lynde Brook Damages,	21,560 18
22.	Pauper Department, City Relief,	15,795 76
23.	Pauper Department, Farm,	14,942 05
24.	Pauper Department, House Offal,	3,835 90
25.	Pauper Department, Truant School,	1,472 68
26.	Police Department,	47,357 60
27.	Public Grounds,	4,971 64
28.	Real Estate, Lien Account,	433 17
29.	Salaries,	19,508 01
30.	School Department,	142,070 72
31.	School Houses,	10,753 80
32.	Sewers, Construction,	5,124 72
33.	Sewers, Island Account,	84,608 74
34.	Sewers, Maintenance,	6,344 78
35.	Sinking Fund, 1875, General Debt,	110,245 90
36.	Sinking Fund, 1876, Water Loan,	1,832 48
37.	Sinking Fund, 1877, Lynde Brook Damages,	9,347 57
38.	Sinking Fund, 1878, " " "	5,375 66
39.	Sinking Fund, 1879, " " "	5,774 08
40.	Sinking Fund, 1879, Island Sewer,	12,017 42
41.	Sinking Fund, 1879, Foster street,	13,997 33
42.	State Aid,	11,658 75
43.	Street Construction,	7,743 07
44.	Street Construction, Foster street,	44,814 98
45.	Taxes, 1878, Corporation,	14 04
46.	Taxes, 1878, County,	25,927 62
47.	Taxes, 1878, National Bank, State Account,	21,692 90
48.	Taxes, 1878, State,	28,510 00
49.	Taxes, 1879, County,	23,248 43
50.	Water Works, Construction,	23,354 09
51.	Water Works, Maintenance,	11,066 91

Total Expenses,

\$1,818,610.79

# MAYOR'S DRAFTS

AND

## TREASURER'S PAYMENTS COMPARED.

The column of Differences, Nov. 30, 1879, in the following Statement, shows the amount drawn for and charged to City Accounts, in the Auditor's Office, but not paid by the City Treasurer at that date.

No.	ACCOUNT.	Differences Nov. 30, 1878.	Mayor's Drafts.	TOTAL.	Treasurer's Payments.	Differences Nov. 30, 1879
1	Abatements and Discount....		40,703 48	40,703 48	40,703 48	
2	Board of Health .....		93 94	93 94	93 94	
3	City Hall.....	260 11	4,741 18	5,001 29	4,733 29	268 00
4	City Hospital.....	737 76	8,368 78	9,106 54	8,387 33	719 21
5	Collector's sales, surplus acc't.		66 21	66 21	66 21	
6	Fire Department.....	10,109 96	40,452 81	50,562 77	39,855 69	10,707 08
7	Fire Department, Fire Patrol.	100 00	1,200 00	1,300 00	1,200 00	100 00
8	Free Public Library.....	1,056 89	11,307 91	12,364 80	11,309 07	1,056 73
9	Free Public Lib'y, rep'g b'd'g	57 66		57 66	57 66	
10	Highway Department.....	4,280 55	63,130 07	67,410 62	65,038 02	2,372 60
11	Incidental Expenses.....	320 48	11,133 21	11,453 69	11,054 23	399 46
12	Interest.....		120,035 12	120,035 12	120,035 12	
13	Interest on Sewer Loan.....		16,192 00	16,192 00	16,192 00	
14	Interest on Water Loan.....		22,959 00	22,959 00	22,959 00	
15	Lighting Streets.....	2,351 15	27,298 84	29,649 99	27,209 94	2,440 05
16	Liquor Licenses.....		5,727 25	5,727 25	5,727 25	
17	Loans, Funded City.....		174,000 00	174,000 00	174,000 00	
18	Loans, Funded Sewer.....		16,300 00	16,300 00	16,300 00	
19	Loans, Funded Water.....		14,500 00	14,500 00	14,500 00	
20	Loans, Temporary.....		505,000 00	505,000 00	505,000 00	
21	Lynde Brook Damages.....	222 06	21,560 18	21,782 24	21,782 24	
22	Pauper Dep't, City Relief....	776 78	15,795 76	16,572 54	15,839 62	732 92
23	Pauper Dep't, Farm.....	1,635 36	14,942 05	16,577 41	15,754 27	823 14
24	Pauper Dep't, House offal....	200 77	3,835 90	4,036 67	3,932 77	103 90
25	Pauper Dep't, Truant School.	29 25	1,472 68	1,501 93	1,480 93	21 00
26	Police Department.....	3,726 88	47,357 60	51,084 48	47,268 72	3,815 76
27	Public Grounds.....	561 90	4,971 64	5,533 54	4,934 21	599 33
28	Real Estate, "Lien Account,"		433 17	433 17	433 17	
29	Salaries.....	1,648 20	19,508 01	21,156 21	19,632 39	1,523 82
30	School Department.....	13,342 70	142,070 72	155,413 42	141,746 45	13,666 97
31	School Houses.....	1 50	10,753 80	10,755 30	8,137 04	2,618 26
32	Sewers, Construction.....	2,331 99	5,124 72	7,456 71	7,390 21	66 50
33	Sewers, Island Account.....	14,046 96	84,608 74	98,655 70	97,196 23	1,459 47
34	Sewers, Maintenance.....	603 59	6,344 78	6,948 37	6,492 61	455 76
35	Sinking Fund, 1875, gen'l debt		110,245 90	110,245 90	110,245 90	
36	Sinking Fund, 1876, Water Loan		1,832 48	1,832 48	1,832 48	
37	Sinking Fund, 1877, Lynde... Brook Damages.....		9,347 57	9,347 57	9,347 57	
38	Sinking Fund, 1878, Lynde... Brook Damages.....		5,375 66	5 375 66	5,375 66	
39	Sinking Fund, 1879, Lynde... Brook Damages.....		5,774 08	5,774 08	5,774 08	
40	Sinking Fund, 1879, Island... Sewer.....		12,017 42	12,017 42	12,017 42	
41	Sinking Fund, 1879, Foster St.		13,997 33	13,997 33	13,997 33	
42	State Aid.....		11,658 75	11,658 75	11,658 75	
43	Street Construction.....		7,743 07	7,743 07	7,743 07	
44	Street Construct'n, Foster St.	84 00	44,814 98	44,898 98	44,808 98	
45	Taxes, 1878, Corporation.....		14 04	14 04	14 04	
46	Taxes, 1878, County.....		25,927 62	25,927 62	25,927 62	
47	Taxes, 1878, National Bank. State Account.....		21,692 90	21,692 90	21,692 90	
48	Taxes, 1878, State.....		28,510 00	28,510 00	28,510 00	
49	Taxes, 1879, County.....		23,248 43	23,248 43	23,248 43	
50	Water Works, Construction...	945 71	23,354 09	24,299 80	22,274 01	2,025 79
51	Water Works, Maintenance..	1,308 43	11,066 91	12,375 54	11,541 42	833 92
		\$60,740 64	\$1,818,610 78	\$1,879,351 42	\$1,832,542 75	\$46,808 67



# REPORT

## OF THE

# CITY TREASURER.

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OFFICE OF THE CITY TREASURER, }  
 WORCESTER, MASS., January 5, 1880. }

*To the Honorable City Council:*

The undersigned herewith presents the annual account of Receipts and Payments in the Treasury Department for the year ending November 30, 1879, from which it appears that the

Cash in the Treasury, Dec. 1, 1878, was	-	-	-	\$176,390 37
Received during the year,	-	-	-	1,795,359 95
Total,	-	-	-	<u>\$1,971,750 32</u>
Paid during the year,	-	-	-	<u>1,832,542 75</u>
Balance in Cash, Nov. 30., 1879,	-	-	-	\$139,207 57
From which deduct unpaid drafts,	-	-	-	<u>46,808 67</u>
Leaving balance, as per Auditor's account, of	-	-	-	\$92,398 90

The several items, comprised in the above aggregates, appear in the accompanying account current.

Respectfully submitted,

WM. S. BARTON,

*City Treasurer.*

Dr. CITY OF WORCESTER, in account current from Dec. 1, 1878, to

To authorized payments charged to City Accounts, as follows:

No. of Acct.					
1.	Abatements and Discount,	-	-	-	\$40,703 48
2.	Board of Health,	-	-	-	93 94
3.	City Hall,	-	-	-	4,733 29
4.	City Hospital,	-	-	-	8,387 33
5.	Collector's Sales, Surplus Account,	-	-	-	66 21
6.	Fire Department,	-	-	-	39,855 69
7.	Fire Department, Fire Patrol,	-	-	-	1,200 00
8.	Free Public Library,	-	-	-	11,309 07
9.	Free Public Library, Repairing Building,	-	-	-	57 66
10.	Highway Department,	-	-	-	65,038 02
11.	Incidental Expenses,	-	-	-	11,054 23
12.	Interest,	-	-	-	120,035 12
13.	Interest on Sewer Loan,	-	-	-	16,192 00
14.	Interest on Water Loan,	-	-	-	22,959 00
15.	Lighting Streets,	-	-	-	27,209 94
16.	Liquor Licenses,	-	-	-	5,727 25
17.	Loans, Funded City,	-	-	-	174,000 00
18.	Loans, Funded Sewer,	-	-	-	16,300 00
19.	Loans, Funded Water,	-	-	-	14,500 00
20.	Loans, Temporary,	-	-	-	505,000 00
21.	Lynde Brook Damages,	-	-	-	21,782 24
22.	Pauper Department, City Relief,	-	-	-	15,839 62
23.	Pauper Department, Farm,	-	-	-	15,754 27
24.	Pauper Department, House Offal,	-	-	-	3,932 77
25.	Pauper Department, Truant School,	-	-	-	1,480 93
26.	Police Department,	-	-	-	47,268 72
27.	Public Grounds,	-	-	-	4,934 21
28.	Real Estate, Lien Account,	-	-	-	433 17
29.	Salaries,	-	-	-	19,632 39
30.	School Department,	-	-	-	141,746 45
31.	School Houses,	-	-	-	8,137 04
32.	Sewers, Construction,	-	-	-	7,390 21
33.	Sewers, Island Account,	-	-	-	97,196 23
34.	Sewers, Maintenance,	-	-	-	6,492 61
35.	Sinking Fund, 1875, General Debt,	-	-	-	110,245 90
36.	Sinking Fund, 1876, Water Loan,	-	-	-	1,832 48
37.	Sinking Fund, 1877, Lynde Brook Damages,	-	-	-	9,347 57
38.	Sinking Fund, 1878, Lynde Brook Damages,	-	-	-	5,375 66
39.	Sinking Fund, 1879, Lynde Brook Damages,	-	-	-	5,774 08
40.	Sinking Fund, 1879, Island Sewer,	-	-	-	12,017 42
41.	Sinking Fund, 1879, Foster Street,	-	-	-	13,997 33
42.	State Aid,	-	-	-	11,658 75
43.	Street Construction,	-	-	-	7,743 07
44.	Street Construction, Foster Street,	-	-	-	44,898 98
45.	Taxes, 1878, Corporation,	-	-	-	14 04
46.	Taxes, 1878, County,	-	-	-	25,927 62
47.	Taxes, 1878, National Bank, State Account,	-	-	-	21,692 90
48.	Taxes, 1878, State,	-	-	-	28,510 00
49.	Taxes, 1879, County,	-	-	-	23,248 43
50.	Water Works, Construction,	-	-	-	22,274 01
51.	Water Works, Maintenance,	-	-	-	11,541 42
	Balance, Cash in Treasury, Nov. 30, 1879,	-	-	-	\$1,832,542 75
					139,207 57
					\$1,971,750 32

Nov. 30, 1879, with WM. S. BARTON, *City Treasurer.**Cr.*

By Cash received and credited to City Accounts, as follows:

No. of Acct.

1.	City Hall,	-	-	-	-	-	\$1,003	85
2.	City Hospital,	-	-	-	-	-	4,384	12
3.	Collector's Sales, Surplus Account,	-	-	-	-	-	35	15
4.	Fire Department,	-	-	-	-	-	935	64
5.	Free Public Library,	-	-	-	-	-	3,318	10
6.	Highway Department,	-	-	-	-	-	18,708	71
7.	Incidental Expenses,	-	-	-	-	-	8,585	94
8.	Interest,	-	-	-	-	-	13,604	93
9.	Lighting Streets,	-	-	-	-	-	84	77
10.	Liquor Licenses,	-	-	-	-	-	22,909	00
11.	Loans, Funded City,	-	-	-	-	-	240,000	00
12.	Loans, Funded Sewer,	-	-	-	-	-	100,000	00
13.	Loans, Temporary,	-	-	-	-	-	405,000	00
14.	Pauper Department, City Relief,	-	-	-	-	-	3,766	44
15.	Pauper Department, Farm,	-	-	-	-	-	3,508	35
16.	Pauper Department, House Offal,	-	-	-	-	-	4,313	08
17.	Police Department,	-	-	-	-	-	5,179	48
18.	Premium on City Bonds,	-	-	-	-	-	22,156	00
19.	Public Grounds,	-	-	-	-	-	7	00
20.	Real Estate, Lien Account,	-	-	-	-	-	411	72
21.	School Department,	-	-	-	-	-	404	68
22.	School Houses,	-	-	-	-	-	88	02
23.	Sewer Assessment, Old Account,	-	-	-	-	-	105	85
24.	Sewer Assessment, New Account;	-	-	-	-	-	6,892	54
25.	Sewers, Construction,	-	-	-	-	-	1,636	11
26.	Sewers, Island Account,	-	-	-	-	-	1,749	31
27.	Sewers, Maintenance,	-	-	-	-	-	37	62
28.	Sidewalk Assessment,	-	-	-	-	-	2,459	44
29.	Sinking Fund, 1875, General Debt,	-	-	-	-	-	108,508	89
30.	Sinking Fund, 1876, Water Loan,	-	-	-	-	-	129	01
31.	Sinking Fund, 1877, Lynde Brook Damages,	-	-	-	-	-	452	87
32.	Sinking Fund, 1878, Lynde Brook Damages,	-	-	-	-	-	589	50
33.	Sinking Fund, 1879, Lynde Brook Damages,	-	-	-	-	-	294	42
34.	Sinking Fund, 1879, Island Sewer,	-	-	-	-	-	971	11
35.	Sinking Fund, 1879, Foster Street,	-	-	-	-	-	736	04
36.	State Aid,	-	-	-	-	-	11,811	68
37.	Street Betterment Assessment,	-	-	-	-	-	13,140	66
38.	Taxes, 1874,	-	-	-	-	-	9	88
39.	Taxes, 1876,	-	-	-	-	-	347	58
40.	Taxes, 1877,	-	-	-	-	-	123	04
41.	Taxes, 1878,	-	-	-	-	-	25,890	14
42.	Taxes, 1878, Corporation,	-	-	-	-	-	29,235	75
43.	Taxes, 1878, National Bank, State Account,	-	-	-	-	-	6,173	17
44.	Taxes, 1879,	-	-	-	-	-	638,572	32
45.	Water Works, Construction,	-	-	-	-	-	13,938	64
46.	Water Works, Maintenance,	-	-	-	-	-	73,149	40
							<hr/>	
Balance, Cash in Treasury, Dec. 1, 1878,							\$1,795,359	95
							176,390	37
							<hr/>	
							\$1,971,750	32

Correct, per Book Account,

WM. S. BARTON,

*City Treasurer.*

WORCESTER, MASS., January 5, 1880.

# REPORT

## OF THE

### Treasurer of Sundry Trust Funds.

OFFICE OF THE CITY TREASURER, }  
 WORCESTER, MASS., January 5, 1880. }

*To the Honorable City Council:*

The undersigned herewith presents the following statement of Receipts, Payments, Investments at par value, and Balances carried forward on account of the several Trust Funds in his custody, as Treasurer, at the close of the financial year ending November 30, 1879.

#### Dr. John Green Library Fund.

Investments, Dec. 1, 1878,	-	-	-	-	-	\$37,496 14
Cash on deposit, book account, Dec. 1, 1878,	-	-	-	-	-	1,869 51
						<u>\$39,365 65</u>
Income during year,	-	-	-	-	-	2,189 34
Total,	-	-	-	-	-	<u>\$41,554 99</u>
Payments during year,	-	-	-	-	-	1,689 67
						<u>\$39,865 32</u>
Balance carried forward, viz:						
Investments: First Mortgages,	-	-	-	-	\$26,001 00	
" Bank stock,	-	-	-	-	9,300 00	
" Savings Bank deposits,					2,734 66	
					<u>\$38,035 66</u>	
Cash on deposit, book account,	-	-	-	-	1,829 66	
					<u>          </u>	\$39,865 32

**George Jaques Hospital Fund.**

Investments, Dec. 1, 1878,	-	-	-	-	-	\$31,613 89
Cash on deposit, Dec. 1, 1878,	-	-	-	-	-	529 27
						<u>\$32,143 16</u>
Income during year,	-	-	-	-	-	8,687 21
Total,	-	-	-	-	-	<u>\$40,830 37</u>
Payments during year,	-	-	-	-	-	2,767 69
						<u>\$38,062 68</u>

Balance carried forward, viz:

Investments: First Mortgages,	-	\$21,475 00
“ City Bond,	-	5,000 00
“ Town Note,	-	5,000 00
“ Bank Stock,	-	1,500 00
“ Savings Bank deposits,	-	4,069 39

\$37,044 39

Cash on deposit,	-	-	-	-	1,018 29
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\$38,062 68**Isaac Davis Hospital Fund.**

Investments, Dec. 1, 1878,	-	-	-	-	-	\$1,446 60
Income during year,	-	-	-	-	-	98 65
Total,	-	-	-	-	-	<u>\$1,545 25</u>

Amount carried forward, viz:

Investments: Railroad Bond,	-	\$1,000 00
“ Savings Bank deposits,	-	545 25

\$1,545 25**Albert Curtis Hospital Fund.**

Investments, December 1, 1878,	-	-	-	-	\$1,076 29
Income during year,	-	-	-	-	47 15
Total,	-	-	-	-	<u>\$1,123 44</u>
Payments during year,	-	-	-	-	56 70
					<u>\$1,066 74</u>

Balance carried forward, viz:

Investments: Savings Bank deposits,	-	<u>\$1,066 74</u>
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\$1,066 74**John B. Shaw Hospital Fund.**

Investments, December 1, 1878,	-	-	-	-	\$64 27
Income during year,	-	-	-	-	47 62
Total,	-	-	-	-	<u>\$111 89</u>

Amount carried forward, viz:

Investments: Savings Bank deposits,	-	<u>\$111 89</u>
-------------------------------------	---	-----------------

\$111 89



**A. H. Bullock High School Fund.**

Investments, December 1, 1878,	-	-	-	-	\$1,400 00
Income during year,	-	-	-	-	78 32
Total, -	-	-	-	-	\$1,478 32
Payments during year, -	-	-	-	-	19 82
					<u>\$1,458 50</u>

Balance carried forward, viz:

Investments: City Bond,	-	-	\$1,100 00
“ Savings Bank deposits,	-	-	358 50

\$1,458 50

**Hope Cemetery Fund.**

Investments, December 1, 1878,	-	-	-	-	\$3,960 64
Cash on deposit, December 1, 1878,	-	-	-	-	1,224 51
					<u>\$5,185 15</u>
Income during year, -	-	-	-	-	2,704 07
Total, -	-	-	-	-	\$7,889 22
Payments during year, -	-	-	-	-	3,047 98
					<u>\$4,841 24</u>

Balance carried forward, viz:

Investments: Savings Bank deposits (general),	\$4,148 32
“ “ “ “ (special),	150 00

	<u>\$4,298 32</u>
Cash on deposit, -	- 542 92

\$4,841 24

Total amount of funds, - - - - - \$86,951 62

**Comparative Statement.**

	Nov. 30, 1878.	Nov. 30, 1879.
Green Library Fund,	- \$39,365 65	\$39,865 32
Jaques Hospital “	- 32,143 16	38,062 68
Davis “ “	- 1,446 60	1,545 25
Curtis “ “	- 1,076 29	1,066 74
Shaw “ “	- 64 27	111 89
Bullock High School Fund	- 1,400 00	1,458 50
Hope Cemetery Fund,	- 5,185 15	4,841 24
	<u>\$80,681 12</u>	<u>\$86,951 62</u>

Respectfully submitted,

WM. S. BARTON,

*Treasurer.*

# AUDITOR'S REPORT.

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SHOWING the appropriation for each City Account; the Receipts and Expenses for the year ending November 30, 1879, and the balances unexpended at that date.

## *Abatements and Discounts.*

Appropriation,	\$40,000 00	
Amount transferred from Incidental Expenses,	850 00	\$40,850 00

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### EXPENDED.

For Abatements allowed by Assessors,	\$2,957 49	
Discount allowed for prompt payment,	37,745 99	

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Total as per item No. 1 of Expenses,		\$40,703 48
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Balance unexpended transferred to Sinking Fund,		\$146 52
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## *Board of Health.*

Appropriation,	\$400 00	\$400 00
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### EXPENDED.

For Salary of F. C. Bigelow,	\$83 33	
Advertising,	5 00	
Printing,	75	
Stationery,	4 86	

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Total as per item No. 2 of Expenses,		\$93 94
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Balance unexpended transferred to Sinking Fund,	\$306 06
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*City Hall.*

Appropriation,	\$3,300 00	
Amount transferred from Incidental Expenses,	500 00	\$3,800 00

## RECEIVED.

For Rent of Court Room,	\$1,000 00	
Material sold,	3 85	
Total as per item No. 1 of Re- ceipts,		\$1,003 85
		<u>\$4,803 85</u>

## EXPENDED.

For Furniture, fixtures, and repairing same,	\$131 28	
Repairs on building,	541 12	
Gas,	1,177 89	
Fuel,	479 69	
Care of heating apparatus, &c.,	540 00	
Brooms, brushes, matches, &c.,	97 34	
Ice,	22 50	
Carting ashes, and trucking,	8 75	
Clocks, and repairing same,	16 00	
Safe,	245 00	
Cleaning snow from sidewalks,	57 80	
Boiler, and setting same,	748 81	
Fixtures for heating apparatus,	675 00	
Total as per item No. 3 of Ex- penses,		<u>\$4,741 18</u>
Balance unexpended transferred to Sinking Fund,		\$62 67

*City Hospital.*

Appropriation,	\$7,000 00	\$7,000 00
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## RECEIVED.

For Care of Paupers, from Commonwealth,	\$751 22	
Board of Patients,	915 67	
Net income from Commissioners of Jaques Hospital Fund,	2,600 15	
Sale of swine and calf,	42 17	
“ Pork,	22 06	
“ Manure,	12 00	
“ Produce,	24 75	
“ Surgical instruments,	5 75	
“ Medicine,	3 35	
Storage,	7 00	
Total as per item No. 2 of Re- ceipts,		\$4,384 12
		<u>\$11,384 12</u>

## EXPENDED.

For Salary of Dr. J. B. Rich,	\$700 00
Extra services, Dr. J. B. Rich,	100 00
Services of Nurses and Domestic,	2,125 77
Groceries and provisions,	2,147 80
Carpets, bedding, table linen, etc.,	161 87
Crockery, tin-ware, etc.,	44 50
Furniture, fixtures, and repairing same,	111 76
Repairs on buildings,	56 07
Surgical Instruments, and repair- ing same,	155 99
Medicines,	602 31
Fuel,	405 91
Gas,	256 28
Printing,	52 59
Postage, express, etc.,	16 90

For Stationery,	\$25 89	
Hay and grain,	205 88	
Ice,	82 61	
Blacksmithing,	26 03	
Hardware and tools,	12 99	
Hack hire,	2 50	
Shearing horse, etc.,	6 00	
Repairing harnesses,	7 53	
Repairing carriage,	20 00	
Shoes,	4 85	
Disinfectant powder,	16 40	
Seeds, etc.,	3 85	
Labor on land with team,	5 00	
Rent of telephone,	11 50	
Rent to Com'rs of Jaques Hospital Fund,	1,000 00	
Total as per item No. 4 of expenses,		<u>\$8,368 78</u>
Balance unexpended transferred to Sinking Fund,		<u>\$3,015 34</u>

***Collector's Sales.***—(*Surplus Account.*)

Balance brought forward,	\$256 09
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RECEIVED.

From sale of estates, in excess of taxes and costs, as per item No. 3 of Re- ceipts,	35 15	
	<u>35 15</u>	\$291 24

EXPENDED.

Amount in excess of taxes and costs re- paid, as per item No. 5 of expenses,	\$66 21
Balance,	<u>\$225 03</u>



*Fire Department.*

Appropriation,	\$43,000 00	\$43,000 00
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## RECEIVED.

For labor of men and teams,	610 00
Manure,	176 87
Horse,	75 00
Material sold,	29 42
Use of steamer,	12 00
Amounts refunded,	17 35
Flushing sewer,	3 00
Use of roof of engine house,	12 00

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Total as per item No. 4 of Re-  
ceipts,

\$935 64

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 \$43,935 64

## EXPENDED.

For salary of S. E. Combs, Chief Eng'r,	\$1,109 97
"    Wm. Brophy, Asst.    "	1,000 00
"    G. N. Rawson,    "    "	200 00
"    J. W. Loring,    "    "	200 00
"    Sam'l H. Day, Asst Eng'r and Clerk,	250 00
Pay Roll of Men, Steamer No. 1,	1,157 08
"    "    "    "    2,	1,046 67
"    "    "    "    3,	1,271 67
"    "    "    "    4,	1,274 00
"    "    City Hose Co., No. 1,	878 34
"    "    Ocean "    "    2,	888 33
"    "    Eagle "    "    3,	895 00
"    "    Niagara "    "    4,	903 33
"    "    Yankee "    "    5,	920 00
"    "    Tiger Hose Co., No. 6,	855 00
"    "    Protector Hose Co., No. 7,	855 00

Pay Roll of men, Hook and Ladder Co.	
No. 1,	1,755 00
"    "    Hook and Ladder Co.,	
No. 2,	1,275 00
"    "    Babcock Extinguisher,	
No. 1,	291 67
"    "    Stewards and Drivers,	6,421 00
For New apparatus,	44 87
Repairs of apparatus,	740 81
Repairs of houses,	1,714 98
Alarms for fire,	41 00
Materials for, and repair of tele-	
graph,	1,526 99
Hose,	1,055 49
Hay, grain and straw,	1,604 32
Horses for drawing apparatus,	578 50
Harnesses, blankets, and repairing	
same,	240 01
Repairing wagons and carts,	129 45
Medicine and attendance for horses,	21 15
Oil, soap, brushes, &c.,	250 84
Fuel,	671 64
Gas,	350 68
Advertising,	6 75
Printing,	102 46
Blacksmithing,	272 73
Freight and trucking,	26 62
Furniture, fixtures and repairing same,	263 36
Washing of bedding,	228 07
Express, stamps, &c.,	21 85
Hardware, tools and iron,	676 73
Ice,	7 56
Paints and oil,	43 75
Horses and pasturing same,	536 25
Wagon,	110 75
Rent of shop,	100 00
Hack hire for committee,	43 00
Medical attendance on Michael Henry,	9 00

For Rent of telephones and repairing same,	\$126 00	
Exchange of and mounting bells,	380 60	
Fire alarm indicator,	200 00	
Fire Extinguishers,	174 00	
Striker for fire alarm,	474 20	
Travelling expenses of Engineer,	52 82	
		<hr/>
	\$36,274 29	

## NEW ENGINE HOUSE, GRAFTON STREET.

For Engineering and plans,	\$114 87	
Digging and stoning cellar,	563 00	
Contract, paid Charles A. Vaughn,	3,180 00	
Mason and carpenter work, and extra labor,	263 57	
Weather vane,	25 00	
Grading, stone, and gas pipe,	32 08	
		<hr/>
	4,178 52	

Total as per item No. 6 of Expenses,	\$40,452 81
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Balance unexpended transferred to Sinking Fund,	\$3,482 83
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***Fire Patrol.***

Appropriation,	\$1,200 00	\$1,200 00
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## EXPENDED.

Paid Drafts, per order of Fire Department, as per item No. 7 of Expenses,	\$1,200 00
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***Free Public Library.***

Appropriation,	\$8,000 00	\$8,000 00
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## RECEIVED.

For Dog Fund, from County,	\$2,810 98	
Fines, &c.,	507 12	
		<hr/>
Total as per item No. 5 of Receipts,		\$3,318 10
		<hr/>
		\$11,318 10

## EXPENDED.

For Salary of S. S. Green, Librarian,	\$2,041 66	
“ “ Assistants,	3,472 99	
“ “ Janitor,	416 67	
Books and stationery,	2,444 81	
Binding books,	856 62	
Brooms, dusters, matches, &c.,	26 68	
Fuel,	254 94	
Gas,	928 83	
Printing,	86 82	
Stamps, express, &c.,	169 38	
Cleaning building and removing ashes,	40 62	
Insurance,	25 00	
Water,	68 35	
Repairing building,	282 44	
Repairing clock,	1 50	
Furniture, fixtures, and repairing same,	57 13	
Postal cards for printing,	45 00	
Hose and couplings,	75 00	
Removing snow from sidewalk,	7 35	
Traveling expenses of Librarian,	6 12	
		<hr/>
Total as per item No. 8 of Ex- penses,		\$11,307 91
		<hr/>
Balance unexpended transferred to Sinking Fund,		\$10 19

*Free Public Library.—(Repairing Building.)*

Balance unexpended,		\$986 66
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*Highway Department.*

Appropriation. (Highways, Side-		
walks and Paving),	\$45,000 00	\$45,000 00

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## RECEIVED.

For Amount transferred from Side-		
walk Assessment,	\$2,459 44	
Labor, materials, &c., as per item		
No 6 of Receipts,	18,708 71	
	<hr/>	\$21,168 15
		<hr/>
		\$66,168 15

## EXPENDED.

For Salary of David F. Parker, Com-	
missioner,	\$1,318 83
Salary of Wm. H. Heywood, Act-	
ing Commissioner,	311 10
Labor of men, as per pay rolls,	26,541 08
Clerical labor,	200 00
Extra labor of men and teams,	1,609 80
Engineering,	918 32
Hardware, tools and repairs of	
tools,	291 21
Blacksmithing,	968 49
Brick,	1,203 50
Paving blocks,	7,738 63
Curb stone,	1,633 04
Flag stone,	515 44
Cobble stone,	113 02
Gravel,	388 50



For Cement, pipe and sand,	\$979 60
Paving,	3,280 15
Stone posts, wall stone, setting and laying same,	690 59
Powder and fuse,	9 70
Oil, lanterns, brooms, &c.,	42 54
Printing,	44 22
Repairs on barn,	36 66
Harnesses, blankets, and repair- ing same,	307 96
Hay, grain and straw,	2,517 09
Carts, wagons, sleighs, and repair- ing same,	217 24
Freight and trucking,	419 23
Medicine for horses and medical attendance,	60 55
Removing snow,	32 93
Blank books, stationery, stamps, &c.,	9 79
Fuel,	73 25
Gas,	25 68
Water,	28 00
Swine,	56 21
Lumber and carpenter work,	2,551 45
Painting signs,	1 50
Traveling expenses,	35 19
Horse hire,	5 50
Horses,	1,047 50
Use of derrick, etc., Foster street,	347 00
Supplying watering troughs,	34 48
Laying railroad track, Foster street,	776 73
Iron bridge, " "	2,600 00
Painting bridge, " "	65 00
Lumber and labor, " "	137 87
Railway iron, " "	873 37
Fence, Court House hill,	480 75
Catch basins,	100 00
Painting,	75 67

For Release of damages, paid Lyman		
Drury and others,	\$300 00	
Damage from raising grade, paid		
J. B. O'Leary,	33 74	
Legal expenses, Southbridge		
street,	50 32	
Water pipe and labor,	7 70	
Sabra Whiting, personal injury,	15 00	
Bridget Connors, "	200 00	
Emeline Dorman, personal injury		
and legal expenses,	408 95	
Honora Smith, personal injury,	400 00	
	<hr/>	
Total as per item No. 10 of Expenses		\$63,130 07
		<hr/>
Balance unexpended transferred to Sinking		
Fund,		\$3,038 08

*Incidental Expenses.*

Appropriation	\$5,000 00	
Less amount transferred to		
City Hall,	\$500 00	
Less amount transferred to		
Abatements and Dis-		
count,	850 00	1,350 00
	<hr/>	<hr/>
		\$3,650 00

## RECEIVED.

From City Clerk, for office fees,	\$1,937 80
" recording marriages and	
deaths,	174 85
" collecting and recording	
births,	562 28
" Licenses,	1,367 26
" Dog licenses,	1,431 00

For Peddlers' license,	\$25 00	
One-half fees, weighing on City scales,	752 09	
Rent of Armories from Common- wealth,	1,400 00	
Stationery,	89 35	
Postal cards, for printing,	45 00	
Use of settees,	17 10	
Summonses,	70 40	
Costs on taxes, 1876,	20	
“ “ 1877,	4 50	
“ “ 1878,	592 99	
“ sewer assessments, old account,	1 96	
Costs on sewer assessments, new account,	52 75	
Costs on street betterment as- sessments,	13 50	
Costs on sidewalk assessments,	9 56	
Costs on lien account,	21 95	
Amount refunded on account of indigent soldiers,	16 40	
		<hr/>
Total as per item No. 7 of Receipts,		\$8,585 94
		<hr/>
		\$12,235 94

## EXPENDED.

For Insurance on Armory,	\$225 00
Gas for “	207 46
Coal for “	63 50
Janitor for “	60 00
Repairs of “	134 37
Water for “	25 00
Services of engineers on plans, &c.,	213 15
Engineers instruments and repair- ing same,	215 65
Advertising,	808 58

For Printing,	\$1,159 52
Services of Ward Clerks and Inspectors,	225 50
Rent, furniture, care and heating ward rooms,	98 60
Coal for City Scales,	7 55
Blank books, stationery, stamps, &c.,	854 53
Postal cards,	370 00
Return of deaths by undertakers,	249 00
Collecting births,	727 64
Care of church clocks,	50 00
Directories, and advertising in the same,	210 00
Hack and horse hire,	40 50
Central District Court, legal fees,	33 20
Serving summonses,	150 50
Examining records and recording deeds,	\$105 55
Killing and burying dogs,	60 00
Telegraphing Cambridge time,	70 50
Clerical labor for City Clerk,	819 75
Return of marriages and deaths,	174 85
Indigent soldiers and seamen,	1,063 40
Use of Horticultural Hall,	15 00
E. H. Towne, services as Registrar,	100 00
J. P. Houghton, " "	100 00
Samuel Utley, " "	100 00
Amount refunded on account of taxes,	213 10
Express and telegrams,	18 75
Travelling expenses of Committees,	36 50
Printing Bonds,	24 00
Repairing City Scales,	35 00
Memorial Day expenses,	418 12
Flag staff, flag, and repairs,	155 17
Services of bands for Fourth of July,	280 00
Ringling bells, " "	12 00
Firing salute, " "	125 00
Band stand,	228 24

For Recovering bodies at Lake Quin-		
sigamond,	\$35 00	
Band concerts,	300 00	
B. W. Abbott, services as auctioneer,	10 00	
Posting tax notices,	12 00	
Desk for Supt. Public Buildings,	28 00	
Rent of Telephone,	4 50	
Adjusting Weights and Measures,	7 00	
Stone work for Thomas' tomb,	2 50	
Henry T. Kelley, war bounty,	100 00	
Plans for Hospital Building,	150 00	
Sprinkling around pub. buildings		
and squares,	200 00	
	<hr/>	
Total as per item No. 11 of Ex-		
penses,		\$11,133 21
		<hr/>
Balance unexpended transferred		
to Sinking Fund,		\$1,102 73

*Interest.*

Appropriation,	\$115,000 00	\$115,000 00
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## RECEIVED.

For Interest on deposits,	\$1,429 54	
"    Sidewalk assessments,	12 20	
"    Street Betterment as-		
sessments,	249 22	
"    on Sewer assessments,		
old account,	37 74	
"    on Sewer assessments,		
new account,	1,504 96	
"    accrued on Certificates		
of Indebtedness, from		
Chas. A. Sweet & Co.,	311 11	
"    accrued on Certificates		
of Indebtedness, from State		
Mutual Life Assurance Co.,	877 78	



For Interest accrued on Certificates of Indebtedness, from Commis- sioners of Sinking Funds,	\$219 44	
“ accrued on Certificates of Indebtedness, from sundry persons,	180 57	
“ from Commissioners of Sinking Funds on Inv'tm'ts,	7,492 49	
“ on Notes anticipated,	116 67	
“ Lien account,	63 45	
“ Taxes 1874,	2 50	
“ “ 1876,	7 22	
“ “ 1877,	9 45	
“ “ 1878,	1,076 26	
“ “ 1879,	14 33	
<hr/>		
Total as per item No. 8 of Re- ceipts,		\$13,604 93
		<hr/>
		\$128,604 93

## EXPENDED.

For Interest on Funded City and Tem- porary Loans, as per item No. 12 of Expenses,	\$120,035 12	
<hr/>		
Balance unexpended transferred to sinking fund,	\$8,569 81	

*Interest on Sewer Loan.*

Appropriation,	\$17,000 00	\$17,000 00
	<hr/>	

## EXPENDED.

For Interest on Funded Sewer Loan, as per item No. 13 of Expenses,	\$16,192 00	
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Balance unexpended transferred to sinking fund,	\$808 00	

*Interest on Water Loan.*

Receipts for water rates, transferred from Water Works, Maintenance Acct,	\$22,959 00
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## EXPENDED.

For interest on Funded Water Loan, as per item No. 14 of Expenses,	\$22,959 00
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*Lighting Streets.*

Appropriation,	\$28,000 00	\$28,000 00
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## RECEIVED.

For lanterns, posts, &c.,	\$84 77	
Total as per item No. 9 of Re- ceipts,		\$84 77
		\$28,084 77

## EXPENDED.

For Gas, Worcester Gas Light Co.,	\$10,207 25
Lighting, Globe Gas Light Co.,	5,205 65
Lighting, United States Street Lighting Co.,	6,680 09
Lighting and care of lamps,	3,100 01
Lamp posts and frames,	490 89
Lanterns and lamps,	828 21
Re-setting and repairs of lamps,	220 12
Ladders, and repairing same,	24 00
Oil, matches, &c.,	79 50
Alcohol,	176 45
Paints, oil and glass,	190 66
Trucking and freight,	7 90
Printing,	6 50
Engineering,	1 59

For Extra labor on street lamps,	\$56 50	
Signs,	23 52	
	<hr/>	
Total as per item No. 15 of Ex-		\$27,298 84
penses,		<hr/>
Balance unexpended transferred		
to sinking fund,		\$785 93

*Liquor Licenses.*

Received for Licenses for sale of Li-		
quor as per item No. 10 of		
Receipts,	\$22,909 00	\$22,909 00
	<hr/>	
Less amount transferred to Island		
Sewer account, per order of		
City Council,	\$16,181 75	
Less amount transferred to Sewers,		
Construction account, North Pond,		
as per order of City Council,	\$1,000 00	
	<hr/>	\$17,181 75
		<hr/>
		\$5,727 25

## EXPENDED.

Paid Commonwealth of Massachusetts,	
one-fourth of fees for Liquor Li-	
censes, as per item No. 16 of Ex-	
penses,	\$5,727 25

*Loans — Funded City.*

Amount, November 30, 1878,	\$1,779,000 00	
	<hr/>	\$1,779,000 00

## RECEIVED.

For Certificates of Indebtedness, ac-	
count Lynde Brook damages, due	
January 1, 1889,	\$40,000 00

For Certificates of Indebtedness, account of old loans renewed, due April 1, 1905, \$100,000 00

For Certificates of Indebtedness, account of Foster Street, due April 1, 1889, \$100,000 00

Total as per item No. 11 of Receipts,	\$240,000 00
	<hr/>
	\$2,019,000 00

## EXPENDED.

For City Bonds and Certificates of Indebtedness, payable in 1879, cancelled as per item No. 17 of Expenses, \$174,000 00

Amount November 30, 1879,	\$1,845 000 00
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*Loans — Funded Sewer.*

Amount, November 30, 1878,	\$228,200 00
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## RECEIVED.

For Certificates of Indebtedness, account of Island Sewer, due January 1, 1899, as per item No. 12 of Receipts, \$100,000 00

	\$328,200 00
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## EXPENDED.

For City Bonds, payable in 1879, cancelled as per item No. 18 of Expenses, \$16,300 00

Amount November 30, 1879,	\$311,900 00
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***Loans — Funded Water.***

Amount November 30, 1878,	\$399,900 00	\$399,900 00
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**EXPENDED.**

For City Bonds, payable in 1879, cancelled as per item No. 19 of Expenses,		\$14,500 00
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Amount November 30, 1879,		\$385,400 00
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***Loans — Temporary.***

Amount November 30, 1878,	\$100,000 00	
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**RECEIVED.**

For Loans authorized by City Council, as per item No. 13, of Receipts,	\$405,000 00	
		\$505,000 00

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**EXPENDED.**

For City Notes cancelled as per item No. 20 of Expenses,		\$505,000 00
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***Lynde Brook Damages.***

Balance November 30, 1878,	\$1,702 37	
Appropriation,	40,000 00	
		\$41,702 37

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**EXPENDED.**

For Damages to individuals and Corporations by breaking of the Lynde Brook Reservoir dam :		
Paid College of the Holy Cross,	\$100 00	
Martin Hines,	75 00	



Paid Lovell Baker, Curtis estate,	\$1,436 84	
“ “ James “	3,571 22	
Nichols, Dupee & Co., James est.,	15,346 14	
Witness fees, James case,	99 50	
Referees, in case of Baker, James and others,	799 75	
Geo. F. Verry, legal costs, Baker and others,	131 73	
	<hr/>	
Total as per item No. 21 of Ex- penses,		\$21,560 18
		<hr/>
Balance,		\$20,142 19

***Pauper Department: City Relief.***

Appropriation,	\$14,000 00	\$14,000 00
	<hr/>	
Less Amount transferred to Pauper Department, Farm,	\$1,433 70	
Less Amount transferred to Police Department,	178 12	\$1,611 82
	<hr/>	<hr/>
		\$12,388 18

RECEIVED.

From Commonwealth, for support of State Paupers,	\$392 86	
Commonwealth, for burials of State Paupers,	200 00	
County, Cities, Towns, and indi- viduals for aid to their poor,	3,173 58	
	<hr/>	
Total as per item No. 14 of Re- ceipts,		\$3,766 44
		<hr/>
		\$16,154 62

## EXPENDED.

For Salary of Geo. W. Gale, Clerk,	\$1,200 00
"    Dr. D. W. Niles, City	
Physician, balance,	193 33
Salary of Dr. Rufus Woodward,	
City Physician,	683 33
Medical consultations,	40 00
Medicines,	534 55
Burials,	544 00
Transportation and cash allow-	
ances,	734 17
Clerical labor,	215 25
Groceries and provisions,	3,063 44
Fuel,	1,829 64
Blank books, stationery and stamps,	136 37
Boots, shoes and clothing,	34 00
Printing,	93 84
Board of girls at State Industrial	
School,	55 00
Board of boys at State Reform	
School,	462 00
Care of Insane at Worcester Lu-	
natic Hospital,	4,273 51
Care of Insane at Asylum for	
Chronic Insane,	367 70
Care of Insane, Commonwealth,	21 86
Hospital for Insane, Northamp-	
ton,	65 93
State Hospital for Insane, Dan-	
vers,	42 28
Provisions for police lodgers, &c.,	89 37
City of Boston, aid to sundry	
persons,	151 35
City of Cambridge, " "	23 12
City of Chelsea, " "	7 25
Commonwealth, " "	150 00
City of Haverhill, " "	5 95

Town of Newburyport, aid to sundry persons,	\$30 50
“ New Bedford, “ “	5 50
“ Springfield, “ “	18 28
“ Grafton, “ “	94 00
“ Methuen, “ “	49 24
“ Milford, “ “	11 00
“ Millbury, “ “	59 54
“ Northbridge, “ “	89 30
“ No. Brookfield, “ “	50 88
“ W. Brookfield, “ “	14 17
“ Southboro’, “ “	3 00
“ Warren, “ “	20 68
Board of sick and aged poor,	100 00
Dr. Geo. A. Jordan, attendance on Mary J. Stearns,	179 93
Rent of Telephone,	52 50

Total as per item No. 22 of Expenses,	<u>\$15,795 76</u>
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Balance unexpended, transferred to Sinking Fund,	\$358 86
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***Pauper Department. Farm.***

Appropriation,	\$10,000 00	
Amount transferred from Pauper Department (City Relief),	1,433 70	
	<u>          </u>	\$11,433 70

RECEIVED.

For Board of men and horses for Scavenger Department,	\$1,941 00
Board of teacher and scholars of Truant School,	1,143 58

Produce sold,	\$91 95
Materials sold,	11 80
Calf, hides and tallow,	49 65
Ox yokes, plow and iron,	27 62
Hay,	210 00
Telegraph poles,	28 75
Amount of bill not called for,	4 00

Total as per item No. 15 of Re-  
ceipts,

\$3,508 35  


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\$14,942 05

## EXPENDED.

For Salary of B. F. Parkhurst, Super- intendent,	\$900 00
Groceries and provisions,	2,888 42
Grass seed, grain and feed,	890 01
Boots and shoes,	117 45
Clothing,	128 58
Crockery and tinware,	43 51
Fuel,	435 90
Medicines,	108 98
Dry goods, bedding, &c.,	288 42
Hardware, tools and repairing same,	183 13
Repair of building and miscella- neous repairs,	1,022 68
Furniture, fixtures and repairing same,	116 15
Extra labor,	2,008 18
Blacksmithing,	158 63
Horses and other stock,	244 65
Wagons, sleighs, and repairing same,	35 00
Harnesses, blankets, " "	41 60
Chaplain,	85 00
Worcester Spy and other papers,	24 00
Cash allowances,	12 05

For Manure,	\$557 80	
Taxes in Town of Shrewsbury,	45 63	
Paving,	30 25	
Making cider,	79 19	
Postage, express, &c.,	5 37	
Travelling expenses of Sup't,	1 50	
Care of sick animals,	10 00	
Wire for fence,	30 97	
Engineering,	5 56	
Disinfectant powder,	21 52	
Furnace,	374 70	
Labor and materials on dam,	3,091 66	
Lumber and carpenter work on dam,	588 60	
Cement for dam,	102 30	
Water wheel and freight,	264 66	
<hr/>		
Total as per item No. 23 of Ex- penses,		\$14,942 05

***Pauper Department: House Offal.***

Appropriation,	\$2,000 00	\$2,000 00
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**RECEIVED.**

For Manure,	480 00
Pork and swine,	3,750 08
Swill,	63 00
Bones,	20 00

Total as per item No. 16 of Re- ceipts,	\$4,313 08
	<hr/>
	\$6,313 08

**EXPENDED.**

For Collecting house offal,	\$1,217 74
Extra labor,	3 00
Hay, straw and grain,	130 50
Board of men and horses,	1,941 00



For Fuel,	\$27 10
Harnesses, blankets, and repair- ing same,	41 34
Repairing wagons,	104 09
Blacksmithing,	109 69
Hardware, tools, buckets, &c.,	27 56
Swine,	44 00
Horse and hack hire,	106 00
Repairs of buildings,	68 95
Professional services for stock,	8 00
Sawdust,	6 93

Total as per item No. 24 of Ex- penses,	<u>\$3,835 90</u>
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Balance unexpended transferred to Sinking Fund,	\$2,477 18
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***Pauper Department: Truant School.***

Appropriation,	<u>\$1,500 00</u>	\$1,500 00
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**EXPENDED.**

For Salary of teacher,	\$250 00
Board of teacher and scholars,	1,143 58
Boots and shoes,	16 05
Clothing,	60 88
Youth's Companion,	2 17

Total as per item No. 25 of Ex- penses,	<u>\$1,472 68</u>
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Balance unexpended transferred to Sinking Fund,	\$27 32
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*Police Department.*

Appropriation,	\$42,000 00	
Amount transferred from Pauper Department (City Relief),	178 12	
	<hr/>	\$42,178 12

## RECEIVED.

For Officers fees, from Clerk of Central District Court,	\$4,856 65	
Cloth,	318 33	
Extra services of police,	4 50	
	<hr/>	
Total as per item No. 17 of Receipts,		\$5,179 48
		<hr/>
		\$47,357 60

## EXPENDED.

For Salary of W. A. Washburn, City Marshal,	\$1,600 00	
Salary of E. D. McFarland, Asst. Marshal,	1,200 00	
Salary of J. W. Hadley, Asst. Marshal,	1,200 00	
Policemen as per pay rolls,	41,277 23	
Services of extra police,	193 50	
Cloth, buttons and badges,	515 10	
Advertising,	47 97	
Printing,	24 00	
Telegrams and express,	61 44	
Stationery, blank books, &c.,	43 85	
Brooms, lamps, matches, &c.,	45 65	
Ice,	\$8 31	
Photographs,	13 25	
Belts, clubs, &c.,	45 80	
Travelling expenses,	11 20	

For Detectives,	\$101 50	
Hack hire,	18 50	
Exchange of horse,	40 00	
Board of horses,	870 00	
Saddles, bridles, blankets, and re- pairing same,	45 30	
		<hr/>
Total as per item No. 26 of Ex- penses,		\$47,357 60

*Premium on City Bonds.*

## RECEIVED.

For sale of Bonds above par, as fol- lows, viz :		
On Funded City Loan, due Jan- uary 1, 1889,	\$2,436 00	
On Funded City Loan, due April 1, 1889,	5,680 00	
On Funded Sewer Loan, due Jan- uary 1, 1899,	8,250 00	
On Funded City Loan, due April 1, 1905,	5,790 00	
		<hr/>
Total as per item No. 18 of Re- ceipts,		\$22,156 00

## EXPENDED.

Amount transferred to Commissioners of Sinking Funds, as follows, viz :	
Account of General Debt Sinking Fund, 1875,	\$5,790 00
Account Lynde Brook Damages Sinking Fund, 1879,	2,436 00
For Account Island Sewer Sinking Fund, 1879,	8,250 00

Account Foster Street Sinking Fund, 1879,	\$5,680 00
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\$22,156 00

***Public Grounds.***

Appropriation,	\$5,000 00	\$5,000 00
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RECEIVED.

For Geese,	\$7 00
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Total as per item No. 19 of Re-  
ceipts,

\$7 00

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\$5,007 00

EXPENDED.

For Grading and other labor,	\$2,448 83
Labor of men with teams,	115 39
Plants, trees, planting and trim- ming,	973 97
Hardware and tools,	185 64
Grass seed and fertilizers,	99 07
Loam and manure,	497 67
Printing,	32 23
Lumber and carpenter work,	92 04
Gravel,	11 00
Blacksmithing,	13 55
Engineering,	28 18
Pipe, cement and labor,	184 08
Plumbing,	10 25
Stationery,	1 75
Freight and trucking,	11 78
Grain,	7 60
Building tool house,	258 61

Total as per item No. 27 of Expenses,	\$4,971 64
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Balance unexpended transferred to Sinking Fund,	\$35 36
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***Real Estate, Lien Account.***

Balance November 30, 1878, brought forward,	\$844 74
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Amount abated and disclaimed, since November 30, 1878,	144 94
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\$699 80

**EXPENDED.**

For Real Estate sold for taxes and purchased by the Collector, as per item No. 28 of Expenses,	\$433 17
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\$1,132 97

**RECEIVED.**

For amount of taxes and charges in redemption, as per item No. 20 of Receipts,	\$411 72
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Balance November 30, 1879,	\$721 25
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***Salaries.***

Appropriation,	\$21,000 00	\$21,000 00
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**EXPENDED.**

Paid Charles B. Pratt, Mayor,	\$1,500 00
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Wm. S. Barton, Treasurer and Collector,	2,320 00
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Francis T. Blackmer, City Solicitor,	1,576 00
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Enoch H. Towne, City Clerk,	1,500 00
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Paid Chas. A. Allen, City Engineer,	\$1,510 01	
Henry Griffin, City Auditor,	1,020 02	
Wm. L. Clark, Assessor,	1,109 63	
Josiah P. Houghton “	1,010 00	
Lyman A. Ely “	1,009 99	
Assistant Assessors,	376 50	
Charles H. Peck, Supt. Public Buildings,	1,100 00	
Charles Marvin, City Messenger,	909 99	
Chas. B. Damon, Bookkeeper,	1,000 00	
R. R. Shepard, Sealer of Weights and Measures,	210 00	
R. R. Shepard, Inspector of Milk,	50 00	
Theo. H. Bartlett, general clerical assistant,	1,000 00	
S. H. Coe, Clerk Common Council,	300 00	
Page to Common Council,	25 00	
Clerical labor for Assessors,	602 25	
“ “ Treasurer,	1,378 62	
<hr/>		
Total as per item No. 29 of Ex- penses,		\$19,508 01
<hr/>		
Balance unexpended transferred to Sinking Fund,		\$1,491 99

### *School Department.*

Appropriation,	\$142,000 00	\$142,000 00
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### RECEIVED.

For School books,	\$174 06
Tuition,	14 75
Materials sold,	17 41
Fines, &c.,	6 83
Stationery,	100 00



For Amount refunded (surplus of Sewing School account),	\$26 43
Repairs on Quinsigamond School House,	65 20
	<hr/>
Total as per item No. 21 of Re- ceipts,	\$404 68
	<hr/>
	\$142,404 68

## EXPENDED.

For Salary of A. P. Marble, Supt.	\$2,430 00
“ Teachers, as per pay rolls,	111,951 01
“ Janitors, as per pay rolls,	5,530 93
“ Truant Officers,	1,653 34
Clerical labor,	802 63
Horse hire,	243 00
Rent of Superintendent's office,	1,000 00
“ School rooms,	630 00
Fuel,	5,338 83
Gas,	301 99
Advertising,	58 72
Printing,	498 18
Miscellaneous repairs,	4,895 53
Furniture, fixtures, and repairing same,	366 88
School books and stationery,	2,095 67
Materials and Chemical Apparatus for High School,	34 04
Express, stamps, &c.,	62 92
Trucking, freight, and removing ashes,	285 24
Stoves and stove furniture,	96 67
Repairing stoves,	1,135 42
Labor cleaning school houses,	470 92
Clocks, and repairing same,	146 55
Musical instruments,	215 17

For Brooms, mats, dusters, soap, &c.,	\$379 38	
Removing snow around school houses,	175 35	
Water,	411 29	
Insurance,	568 25	
Ringin <sup>g</sup> signal bell,	10 00	
Cleaning out vaults,	53 00	
Travelin <sup>g</sup> expenses of Committee and Superintendent,	83 13	
Disinfectant powder,	34 90	
Horse hire for Truant officers,	4 50	
Assistant in examinations,	22 00	
Music at High School reception,	20 00	
Telephone and repairs,	65 28	
		<hr/>
Total as per item No. 30 of Expenses,		\$142,070 72
		<hr/>
Balance unexpended transferred to Sinking Fund,		\$333 96

*School Houses.*

Appropriation,	\$13,500 00	\$13,500 00
	<hr/>	

## RECEIVED.

For Barn, house, trees, &c., sold, as per item No. 22 of Receipts,	\$88 02
	<hr/>
	\$13,588 02

## EXPENDED.

## Grafton Street School House :

Contract,	\$6,355 43
Extra work,	119 00
Plans,	100 00
Insurance,	62 50

## For Carpenter work and

lumber,	\$119 84
Mason work,	416 95
Plumbing,	13 50
Furnaces,	511 00
School furniture,	596 90
Concrete walk,	256 76
Drain pipe and labor,	30 96
Digging cellar,	108 04
Engineering,	15 83
Moving old house, &c.,	110 00
Clocks,	42 00
Trucking,	21 10
Grading,	185 70
Water pipe,	17 90
Horse hire,	6 50
Express and telegrams,	3 22
Advertising,	5 62

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## Total for Grafton Street

School house, \$9,098 75

## For Lake View school house:

Contract, Wm. Power, \$1,010 00	
Extra labor,	82 00
Painting,	57 06
Furniture,	152 25
Stove and furniture,	50 15
Plan,	36 00
Engineering,	8 40
Advertising,	1 12
Freight, trucking, &c.,	11 22
Building fence,	91 98
Insurance,	12 00
Digging well,	142 87

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## Total for Lake View

School house, \$1,655 05

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Total as per item No. 31 of Expenses,	\$10,753 80
Balance,	\$2,834 22
Amount transferred to Sinking Fund,	\$896 65
Balance unexpended,	\$1,937 57

*Sewer Assessment: Old Account.*

Balance uncollected Nov. 30, 1878, \$5,042 72

## RECEIVED.

From Sundry persons as per item No. 23 of Receipts, and transferred to Sinking Fund,	\$105 85
Balance uncollected Nov. 30, 1879,	\$4,936 87

*Sewer Assessment: New Account.*

Balance uncollected Nov. 30, 1878,	\$7,792 23
Amount assessed Dec. 30, 1878,	1,904 96
	\$9,697 19

## RECEIVED.

From sundry persons, as per item No. 24 of Receipts, and transferred to Sinking Fund,	\$6,892 54
Balance uncollected Nov. 30, 1879,	\$2,804 65

*Sewers: Construction.*

Appropriation,	\$4,000 00
“ for North Pond dam,	1,000 00
	\$5,000 00

## RECEIVED.

Amount transferred from Liquor Licenses for North Pond dam account,	\$1,000 00	
For amount of legacy from estate of Henry Chapin,	\$560 16	
Labor, materials, &c.,	164 50	
Cement,	57 20	
Repairs on North Pond dam, 121 parts from S. Salisbury,	854 25	
Total, as per item No. 25 of receipts,	<u>\$1,636 11</u>	<u>\$2,636 11</u>
		<u>\$7,636 11</u>

## EXPENDED.

For Laborers, as per pay rolls,	\$1,920 76
Engineering,	226 04
Freight and teaming,	266 01
Inlets and border stone,	399 61
Sand, cement, drain pipe, &c.,	655 37
Castings and man hole covers,	110 00
Tools, iron and steel,	21 45
Powder and fuse,	31 62
Blacksmithing,	47 64
Lanterns, oil, &c.,	3 20
Advertising,	29 75
Paving,	4 03
Brick,	191 02
Wall stone,	169 20
Catch basin covers,	36 00
Horse hire,	1 50
Printing,	3 00
Analysis of water,	20 00
	<u>\$4,136 20</u>

For North Pond dam :

Pay roll of laborers,	\$633 51
Labor of men and teams,	94 50

For Foremen,	\$54 28	
Engineering,	14 70	
Gravel,	99 92	
Lumber,	47 86	
Trucking and horse hire,	41 50	
Stationery,	2 25	
	<hr/>	\$988 52
Total, as per item No. 32 of expenses,		\$5,124 72
		<hr/>
Balance unexpended, transferred to Sinking Fund,		\$2,511 39

*Sewers: Island Account.*

Balance Nov. 30, 1878,	\$34,415 10	
Appropriation,	30,000 00	
Amount transferred from Foster street,	2,262 58	
	<hr/>	\$66,677 68

## RECEIVED.

Amount transferred from Liquor Licenses,	\$16,181 75	
For Labor, iron, coal, &c.,	\$47 43	
Cement,	162 70	
Coal and lumber,	73 82	
Blacksmithing,	105 30	
Stove, junk, grass, &c.,	48 56	
Rent of barn,	9 00	
“ pasture in part,	30 00	
Catch basin, Vernon st.,	100 00	
Grading Millbury st.,	1,172 50	
	<hr/>	
Total, as per Item No. 26 of Receipts,	\$1,749 31	
	<hr/>	\$17,931 06
		<hr/>
		\$84,608 74



## EXPENDED.

For Laborers, men and teams, as per	
pay rolls,	\$38,864 43
R. H. Chamberlain, salary (part),	1,166 68
Engineering,	1,828 65
Paid Mundell & Whittaker, rock excavation,	25,031 63
Paid Brigham Converse, stone,	6,067 82
Horse keeping,	214 50
Powder,	76 50
C. S. Chapin, time keeper,	155 00
Clerical labor,	90 75
Advertising,	13 50
Coal,	1,439 71
Oil, soap, &c.,	194 60
Hardware and tools,	175 22
Lumber and carpenter work,	315 46
Iron and steel,	62 01
Pipe and couplings,	28 04
Blacksmithing,	42 98
Cement,	4,477 83
Freight and trucking cement,	1,023 04
Sand and sewer pipe,	453 64
Trucking,	70 23
Hack and horse hire,	133 00
Rubber goods.	36 90
Cordage and packing,	148 52
Lanterns, globes, wicks, &c.,	36 72
Repairing engine and boiler,	127 23
Rent of land,	625 00
Pumping,	171 30
Pump and fixtures,	370 60
Stove,	18 00
Stationery,	7 90
Gravel,	513 70
Catch basin stone,	176 75
Catch basin covers,	28 80
Man hole covers,	11 00

For Steel tape,	\$12 50
Repairing fence,	30 00
Brick,	243 60
Paid James Halpin, damage to his estate,	125 00

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Total, as per item No. 33 of Expenses,	\$84,608 74
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*Sewers : Maintenance.*

Appropriation,	\$7,000 00	\$7,000 00
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## RECEIVED.

For materials sold, as per item No. 27 of Receipts,	\$37 62
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\$7,037 62

## EXPENDED.

For Laborers, as per pay rolls,	\$4,577 48
R. H. Chamberlain, salary (part),	233 32
Rubber goods,	41 00
Trucking and freight,	885 72
Sewer pipe, cement and sand,	19 15
Catch basin covers,	328 08
Pipe and coupling,	14 12
Lumber and carpenter work,	27 88
Blacksmithing,	49 06
Hardware, tools, and repairing same,	58 16
Rent for storage,	75 00
Oil, cordage, &c.,	6 00
Printing,	4 00
Blank books and stationery,	19 97
Brick,	5 50
Engineering,	34

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Total, as per item No. 34 of Expenses,	\$6,344 78
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Balance unexpended, transferred to Sinking Fund,	\$692 84
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*Sidewalk Assessment.*

## RECEIVED.

From sundry persons for assessments, as per item No. 28 of Receipts,	\$2,459 44
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## EXPENDED.

Transferred to Highway Department, as per order of City Council,	\$2,459 44
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*Sinking Fund: General Debt, 1875.*

Balance November 30, 1878,	<u>\$18,383 56</u>	\$18,383 56
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## RECEIVED.

Amount transferred from premium ac- count,	\$5,790 00
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Amount paid to Commissioners of Sinking Fund, on account of balances of 1878,	\$99,941 95
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Amount of premium and interest, from Commissioners of Sinking Fund, collected on invest- ments,	<u>\$4,513 95</u>
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Total, as per item No. 35 of Expenses,	<u>\$110,245 90</u>
	\$128,629 46

## EXPENDED.

Paid by Commissioners of Sinking Fund, as follows, viz:	
Bonds maturing and canceled, 1879,	\$104,800 00

Paid by Commissioners of Sinking Fund for premiums and in- terest on investments,	\$3,708 89
Total, as per item No. 29 of Receipts,	<hr/> \$108,508 89
Balance Nov. 30, 1879, in hands of Commissioners of Sinking Fund,	<hr/> \$20,120 57

*Sinking Fund, 1876: Water.*

Balance Nov. 30, 1878, in hands of Commissioners of Sinking Fund,	\$5,958 94
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RECEIVED.

Amount of special appropriation, as per order of City Council,	\$1,500 00
Amount of premium and interest, from Commissioners of Sink- ing Fund, collected on in- vestments,	332 48
Total, as per item No. 36 of Expenses,	<hr/> \$1,832 48
	<hr/> \$7,791 42

EXPENDED.

Paid by Commissioners of Sinking Fund, for premium and in- terest on investments, as per item No. 30 of Receipts,	\$129 01
Balance Nov. 30, 1879, in hands of Commissioners of Sinking Fund,	<hr/> \$7,662 41

***Sinking Fund, 1877 : Lynde Brook Damages.***

Balance Nov. 30, 1878, in hands of Commissioners of Sinking Fund,	\$17,245 24
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## RECEIVED.

Amount of special appropriation, as per order of City Council,	\$8,000 00
Amount of premium and interest, from Commissioners of Sink- ing Funds, collected on in- vestments,	\$1,347 57
	<hr/>
Total, as per item No. 37 of Expenses,	\$9,347 57
	<hr/>
	\$26,592 81

## EXPENDED.

Paid by Commissioners of Sinking Fund, for premium and in- terest on investments, as per item No. 31 of Receipts,	\$452 87
	<hr/>
Balance Nov. 30, 1879, in hands of Commissioners of Sinking Fund,	\$26,139 94

***Sinking Fund, 1878 : Lynde Brook Damages.***

Balance Nov. 30, 1878, in hands of Commissioners of Sinking Fund,	\$6,241 12
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## RECEIVED.

Amount of special appropriation, as per order of City Council,	\$4,800 00
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Amount of premium and interest, from Commissioners of Sinking Fund, collected on investments,	\$575 66
Total, as per item No. 38 of Expenses,	\$5,375 66
	<hr/> \$11,616 78

## EXPENDED.

Paid by Commissioners of Sinking Funds for Premium and interest on investments, as per item No. 32 of Receipts,	\$589 50
Balance Nov. 30, 1879, in hands of Commissioners of Sinking Fund,	\$11,027 28

*Sinking Fund, 1879 : Lynde Brook Damages.*

## RECEIVED.

Amount of special appropriation, as per order of City Council,	\$3,200 00
Amount transferred from premium account,	2,436 00
Amount of premium and interest from Commissioners of Sinking Funds, collected on investments,	138 08
Total, as per item No. 39 of Expenses,	\$5,774 08

## EXPENDED.

Paid by Commissioners of Sinking Fund, for premium and interest on investments, as per item No. 33 of Receipts,	\$294 42
Balance Nov. 30, 1879, in hands of Commissioners of Sinking Funds,	\$5,479 66



***Sinking Fund, 1879: Island Sewer.***

## RECEIVED.

Amount of special Appropriations, as per order of City Council,	\$3,500 00	
Amount transferred from premium account,	8,250 00	
Amount of premium and interest from Commissioners of Sinking Funds, collected on investments,	267 42	
	<hr/>	
Total, as per item No. 40 of Expenses,		\$12,017 42

## EXPENDED.

Paid by Commissioners of Sinking Funds, for premium and interest on investments, as per item No. 34, of Receipts,	\$971 11	
	<hr/>	
Balance Nov. 30, 1879, in hands of Commissioners of Sinking Funds,		\$11,046 31

***Sinking Fund, 1879; Foster Street.***

## RECEIVED.

Amount of special appropriation, as per order of City Council,	\$8,000 00	
Amount transferred from premium account,	5,680 00	
Amount of premium and interest from Commissioners of Sinking Funds, collected on investments,	317 33	
	<hr/>	
Total, as per item No. 41 of Expenses,		\$13,997 33

## EXPENDED.

Paid by Commissioners of Sinking Fund, for premium and interest on investments, as per item No. 35 of Receipts,	\$736 04
Balance Nov. 30, 1879, in hands of Commissioners of Sinking Fund,	\$13,261 29

*State Aid.*

Balance November 30, 1878,	\$29,874 62
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## EXPENDED.

Paid soldiers and families in Dec., 1878,	\$1,122 25
“ “ “ Jan., 1879,	967 00
“ “ “ Feb., “	963 25
“ “ “ March, “	993 50
“ “ “ April, “	1,057 50
“ “ “ May, “	1,088 50
“ “ “ June, “	990 25
“ “ “ July, “	884 00
“ “ “ Aug., “	896 00
“ “ “ Sept., “	921 50
“ “ “ Oct., “	885 50
“ “ “ Nov., “	889 50

Total, as per item No. 42 of Expenses,	\$11,658 75
	\$41,533 37

## RECEIVED.

For amount allowed by State Auditor, as per item No. 36, of Receipts,	\$11,811 68
Balance due from the State,	\$29,721 69

*Street Betterment Assessments.*

## RECEIVED.

For Assessments for Betterments, as follows, viz.:	
On account of Canterbury Street,	\$55 59

On account of Crescent street,	\$480 00
“ “ Foster “	12,225 00
“ “ Newton “	105 36
“ “ Pratt “	218 21
“ “ Wellington, “	56 50

Total as per item No. 37 of Receipts, and transferred to Sinking Fund,	\$13,140 66
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*Street Construction.*

Appropriation,	\$8,000 00
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## EXPENDED.

Legal expenses,	\$2 10	
Grading by Highway Department,	167 82	
		\$169 92
<b>FOR AITCHISON STREET.</b>		
Legal expenses,		32 39
<b>FOR AUSTIN STREET.</b>		
Land, Calvin Butler,		40 00
<b>FOR CROWN STREET.</b>		
Grading by Highway Department,		168 40
<b>FOR HOLLYWOOD STREET.</b>		
Grading by Highway Department,		199 70
<b>FOR KINGSBURY STREET.</b>		
Grading by Highway Department,		99 62
<b>FOR MILLBURY STREET.</b>		
Grading by Highway Department,		217 25
<b>FOR TREMONT STREET.</b>		
Grading by Highway Department,		302 30
<b>FOR WALDO STREET.</b>		
Grading by Highway Department,		18 76

## FOR QUEEN STREET.

Grading by Highway Department, \$153 54

## FOR QUINSIGAMOND AVENUE.

Patrick Connors, Land, \$200 00

Michael Naylor, " 805 56

Nanette Huber, " 533 12

John S. Ballard, " 1,517 64

Walburger Eidt, " 200 00

Cutter &amp; Co., " 26 32

Thos. Wharton's Estate, 125 00

Grading by Highway De-

partment, 2,933 55 \$6,341 19

Total as per item No. 43 of expenses, \$7,743 07

Balance unexpended, transferred to Sinking Fund, \$256 93

*Street Construction. Foster Street.*

Balance, Nov. 30, 1878, \$35,467 77

Appropriation, 30,000 00

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\$65,467 77

Less amount transferred to Sewer,

Island Account, 2,262 58

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\$63,205 19

## EXPENDED.

Paid George Sessions & Son, removing  
bodies,

\$68 75

Mary Donahue and others,  
land damages,

125 00

John O'Meara, land and dam-  
age to estate,

2,855 52

Peter Rich, heirs, land and  
damage to estate,

3,960 00

Nancy R. Barker, land damage,

103 50

W. A. Williams, "

3,800 00

Viaduct Company, "

1,942 75

J. C. Wellington, "

2,981 73

Worcester & Nashua Railroad		
Co., land,	\$15,500 00	
James J. Warren, land,	1,095 00	
Grading, Lumber, &c., by		
Highway Department,	12,266 06	
Legal expenses, Worcester &		
Nashua Railroad Case,	16 00	
Witness Fees in Wellington		
Case,	91 72	
Travelling expenses, Solicitor		
and Engineer,	8 95	
	<hr/>	
Total as per item No. 44 of Expenses,		\$44,814 98
		<hr/>
Balance unexpended Nov. 30, 1879,		\$18,390 21

***Taxes, 1874.***

Balance uncollected Nov. 30, 1878,	\$6,122 68
------------------------------------	------------

**RECEIVED.**

From sundry persons, as per item		
No. 38 of Receipts,	\$9 88	
	<hr/>	
Balance uncollected Nov. 30, 1879,		\$6,112 80

***Taxes, 1875.***

Balance uncollected Nov. 30, 1879,	\$6,191 70
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***Taxes, 1876.***

Balance uncollected Nov. 30, 1878,	\$5,734 58
------------------------------------	------------

**RECEIVED.**

From sundry persons, as per item		
No. 39 of Receipts,	\$347 58	
	<hr/>	
Balance uncollected Nov. 30, 1879,		\$5,387 00

*Taxes, 1877.*

Balance uncollected Nov. 30, 1878,	\$4,686 84
------------------------------------	------------

## RECEIVED.

From sundry persons, as per item  
No. 40 of Receipts, \$123 04

Balance uncollected Nov. 30, 1879,	\$4,563 80
------------------------------------	------------

*Taxes, 1878.*

Balance uncollected Nov. 30, 1878,      \$31,166 82

## RECEIVED.

From sundry persons, as per item	
No. 41 of Receipts,	\$25,890 14

Balance uncollected Nov. 30, 1879,	\$5,276 68
------------------------------------	------------

*Taxes, 1878. Corporation.*

Balance due Nov. 30, 1878, \$29,940 83

## RECEIVED.

From the Commonwealth, as per		
item No. 42 of Receipts,	\$29,235 75	
	<hr/>	\$705 08

## EXPENDED.

Amount refunded, as per item No.	
45 of Expenses,	\$14 04
	<hr/>
Balance due from the State,	\$719 12

*Taxes, 1878. County.*

Balance due the County, Nov. 30,	
1878, brought forward,	\$25,927 62



## EXPENDED.

Amount paid to County Treasurer, Total as per item No. 46 of Ex- penses,	\$25,927 62
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*Taxes, 1878. National Bank. State Account.*

Amount assessed in 1878,	\$27,866 07
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## RECEIVED.

Amount from State Treasurer, as per item No. 43 of Receipts,	\$6,173 17	\$21,692 90
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## EXPENDED.

Amount paid to State Treasurer, as per item No. 47 of Expenses,	\$21,692 90
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*Taxes, 1878. State.*

Amount assessed for State Tax,	\$28,510 00
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## EXPENDED.

Amount paid to State Treasurer, as per item No. 48 of Expenses,	\$28,510 00
--	-------------

*Taxes, 1879.*

Amount assessed for State Tax,	\$14,255 00
“ “ “ County Tax,	46,496 85
Amount assessed for City and Na- tional Bank Tax,	607,319 53
Amount assessed, additional, for women,	150 00
Amount assessed, supplementary list,	263 60
	<hr/>
	\$668,484 98

## RECEIVED.

From sundry persons, as per item No. 44 of Receipts,	\$638,572 32
Balance uncollected Nov. 30, 1879,	<hr/>
	\$29,912 66

***Taxes, 1879 : County.***

Amount assessed, 1879,	\$46,496 85
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**EXPENDED.**

Amount paid to County Treasurer, as per item No. 49 of Expenses,	\$23,248 43
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Balance due County Nov. 30, 1879,	\$23,248 42
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***Water Works : Construction Account.***

Appropriation,	\$15,000 00
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**RECEIVED.**

For service pipe, meters, labor, &c., as per item No. 45 of Receipts,	\$13,938 64
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\$28,938 64

**EXPENDED.**

For Labor of men, as per pay rolls,	\$4,808 91
F. E. Hall, salary as Commissioner,	1,519 99
Clerical labor,	439 50
Engineering,	10 35
Union Water Meter Co., meters, couplings, etc.,	6,911 20
W. E. Desper & Co., meters, and repairing same,	2,502 82
Hydrants, water gates and pipes,	514 00
Castings,	811 10
Plumbing,	60 07
Pipe and fittings,	1,373 79
Cement, pipe and sand,	60 50
Lead,	261 81
Hardware and tools,	62 66
Blacksmithing,	163 91
Lumber and carpenter work,	65 16

Freight and trucking,	\$383 87
Iron pipe,	3,077 72
Lead pipe,	62 53
Rubber goods,	8 64
Stationery, blank books and stamps,	5 32
Powder and fuse,	41 68
Steel,	10 92
Land near reservoir,	90 00
Examination of deeds,	2 50
Travelling expenses,	26 35
Abatement,	32
Coal,	12 00
Gas,	1 20
Oil,	6 09
Paving,	3 50
Jute packing,	9 79
Belting,	5 89
Grading,	40 00

Total, as per item No. 50 of Expenses,	<u>\$23,354 09</u>
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Balance unexpended, transferred to Sinking Fund,	<u>\$5,584 55</u>
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***Water Works : Maintenance Account.***

RECEIVED.

For assessment of Water, 1878,	\$5,821 53
“ “ 1879,	67,327 87

Total, as per item No. 46 of Receipts,	<u>\$73,149 40</u>
--	--------------------

Less amount transferred, per order  
of City Council, as follows, viz :

Commissioners of Sinking Funds, on account of Lynde Brook damages,	\$3,200 00
Commissioners of Sinking Funds, on account of Island Sewer,	3,500 00

Commissioners of Sinking Funds,		
on account of Foster Street,	\$8,000 00	
Commissioners of Sinking Funds,		
on account of Water Loan,	1,500 00	
Less amount transferred to interest		
on Water Loan,	22,959 00	
	<hr/>	\$39,159 00
		<hr/>
		\$33,990 40

## EXPENDED.

For labor of men, as per pay rolls,	\$5,912 47
Labor of men and teams,	207 70
J. Stewart Brown, salary as registrar,	1,110 00
Clerical labor, canvassing,	433 75
Clerical labor, writing,	151 50
Care of Reservoir,	200 00
Abatements on water rates,	182 55
Blacksmithing,	160 72
Hardware and tools,	51 79
Lumber and carpenter work,	567 60
Rubber goods,	6 62
Oil, lanterns, &c.,	15 35
Gas,	9 01
Fuel,	39 20
Printing,	108 71
Trucking and freight,	5 15
Plumbing,	19 77
Union Water Meter Co., meters	
and repairing same,	578 30
Blank books, stationery and	
stamps,	117 59
Horse hire,	5 50
Hay and grain,	311 78
Sewer pipe, sand and cement,	25 22
Taxes in Leicester,	68 80
Express, telegrams, &c.,	4 38
Engineering,	16 18

Harnesses, blankets, and repair-		
ing same,	\$31 95	
Paints and oil,	107 00	
Repairs,	27 55	
Pipe and couplings,	21 33	
Horse,	190 00	
Care of sick horse,	5 00	
Materials for hydrants,	9 75	
Water tank,	35 00	
Scales,	46 00	
Cordage and packing,	13 27	
Furniture and fixtures,	14 30	
Wagon, and painting same,	195 00	
Belting,	3 45	
Paving,	24 50	
Gravel,	17 00	
Boat,	5 00	
Rent of telephone,	5 50	
Damage by bursting of water		
pipe,	5 67	
Total as per item No. 51 of Expenses,		\$11,066 91
Balance unexpended, transferred to Sinking Fund,		\$22,923 49

***Balances Unexpended: Transferred to Sinking Fund.***

From Abatements and Discount,	\$146 52
Board of Health,	306 06
City Hall,	62 67
City Hospital,	3,015 34
Fire Department,	3,482 83
Free Public Library,	10 19
Highways,	3,038 08
Incidental expenses,	1,102 73
Interest,	8,569 81
Interest on Sewer Loan,	808 00
Lighting streets,	785 93
Pauper Dept., City Relief,	358 86

Pauper Dept., House Offal,	\$2,477 18	
“ “ Truant School,	27 32	
Public Grounds,	35 36	
Salaries,	1,491 99	
School Department,	333 96	
School Houses,	896 65	
Sewers, construction,	2,511 39	
“ maintenance,	692 84	
Street Construction,	256 93	
Water Works, construction,	5,584 55	
“ “ maintenance,	22,923 49	
	<hr/>	\$58,918 68
Sewer assessment, old account	\$105 85	
“ “ new “	6,892 54	
Street betterment assessments,	13,140 66	
	<hr/>	\$20,139 05
Total,		<hr/> \$79,057 73

### *City Debt, Nov. 30, 1879.*

#### FUNDED CITY LOAN.

Due June 1, 1880 (interest 5 per ct.),	\$8,000 00	
“ 1881, “ “	4,000 00	
“ 1882, “ “	6,000 00	
“ 1883, “ “	10,000 00	
“ 1884, “ “	5,000 00	
Jan. 1, 1887, “ “	100,000 00	
“ 1888, “ “	60,000 00	
“ 1889, “ “	40,000 00	
April 1, 1889, “ “	100,000 00	
“ 1905, “ “	100,000 00	
“ 1905, “ “	100,000 00	
	<hr/>	\$533,000 00
Jan. 1, 1881 (interest 6 per ct.),	\$500,000 00	
June 1, 1881, “ “	12,000 00	
April 1, 1892, “ “	800,000 00	
	<hr/>	\$1,312,000 00
Total,		<hr/> \$1,845,000 00



*Funded Sewer Loan.*

Due Jan. 1, 1899 (interest 5 per ct.), \$100,000 00 \$100,000 00

June 1, 1880,	"	6	"	\$40,000 00
" 15, 1880,	"	6	"	3,000 00
July 1, 1880,	"	6	"	100,000 00
June 15, 1881,	"	6	"	1,000 00
July 1, 1881,	"	6	"	67,900 00

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\$211,900 00

Total, \$311,900 00

*Funded Water Loan.*

Due Dec. 1, 1906 (interest 5 per ct.), \$100,000 00 \$100 000 00

Due June 1, 1880 (interest 6 per ct.), \$11,100 00

" 1881,	"	"	1,000 00
July 1, 1881,	"	"	2,000 00
June 1, 1882,	"	"	12,000 00
" 1885,	"	"	5,000 00
July 1, 1885,	"	"	100,000 00
June 1, 1886,	"	"	26,000 00
July 1, 1886,	"	"	50,000 00
June 1, 1887,	"	"	23,000 00
" 1888,	"	"	3,000 00
Dec. 1, 1890,	"	"	50,000 00
June 1, 1891,	"	"	2,300 00

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\$285,400 00

Total, \$385,400 00

## RECAPITULATION.

Funded City Loan,	\$1,845,000 00
“ Sewer Loan,	311,900 00
“ Water Loan,	385,400 00
Total,	<hr/> \$2,542,300 00

*Liabilities.*

Loan, Funded City,	\$1,845,000 00	
“ “ Sewer,	311,900 00	
“ “ Water,	385,400 00	
	<hr/>	\$2,542,300 00
One-half County Tax, 1879,	\$23,248 42	
State Tax, 1879,	14,255 00	
National Bank Tax, State Account, 1879,	21,244 51	
Collector's Sales, Surplus Account,	225 03	
	<hr/>	\$58,972 96
		<hr/> \$2,601,272 96

*Cash Assets.*

Boston, Barre & Gardner Railroad Stock, par value,	\$262,200 00
Due from Commonwealth for State Aid,	29,721 69
“ “ “ Corporation Tax,	32,077 89
“ “ “ National Bank Tax,	
State Account,	6,243 87
“ “ “ Aid to Indigent Soldiers and Seamen,	977 00
“ “ “ Military Aid,	78 00
Taxes of 1874, uncollected,	\$6,112 80
“ 1875, “	6,191 70
“ 1876, “	5,387 00
“ 1877, “	4,563 80
“ 1878, “	5,276 68
“ 1879, “	29,912 66
	<hr/> \$57,444 64
Assessments for School Books, from 1874 to 1879, inclusive,	804 65
“ Sewers and Drains, Old Account,	4,936 87
“ “ “ New Account,	2,804 65
“ Sidewalks,	621 05
“ Street Betterments,	28,550 72
Due on Highway Department Account,	462 40
“ Lighting Streets Account,	4 62
“ Pauper Department, City Relief Account,	442 36
“ Real Estate, Lien Account,	721 25
“ Sewers, Construction (North Pond) Acc't,	603 00
“ Water Works, Construction Account,	1,530 26
“ “ Maintenance Account,	5,276 28

Cash in hands of Commissioners of Sinking Funds,	\$94,737 46	
"    Treasury,	92,398 90	
	<hr/>	\$622,637 56
Liabilities over Cash Assets,		\$1,978,635 40

*Ledger Balances.*

	Dr.	Cr.
Boston, Barre & Gardner Railroad Co.,	\$262,200 00	
Collector's Sales, Surplus Account,		\$225 03
Loans, Funded City,		1,845,000 00
"    "    Sewer,		311,900 00
"    "    Water,		385,400 00
Real Estate, Lien Account,	721 25	
Sewer Assessments, Old Account,		105 85
"    "    New Account,		6,892 54
Sinking Fund, General Debt, 1875,	20,120 57	
"    "    Water, 1876,	7,662 41	
"    "    Lynde Brook Damages, 1877,	26,139 94	
"    "    "    "    "    1878,	11,027 28	
"    "    "    "    "    1879,	5,479 66	
"    "    Island Sewer, 1879,	11,046 31	
"    "    Foster Street, 1879,	13,261 29	
State Aid,	29,721 69	
Street Betterment Assessments,		13,140 66
Taxes, Corporation,	32,077 89	
"    County,		23,248 42
"    National Bank, State Account,		15,000 64
"    State,		14,255 00
"    1874,	6,112 80	
"    1875,	6,191 70	
"    1876,	5,387 00	
"    1877,	4,563 80	
"    1878,	5,276 68	
"    1879,	29,912 66	
City Treasury,	92,398 90	
City of Worcester,	2,045,866 31	
	<hr/>	<hr/>
	\$2,615,168 14	\$2,615,168 14

# Schedule of City Property.

DECEMBER 1, 1879.

*In charge of the following Persons and Departments:*

## CITY ENGINEER:

Personal Property,	.	.	.	.	.	.	\$688 00
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## COMMISSIONERS OF PUBLIC GROUNDS:

Personal Property,	.	.	.	.	.	.	\$900 00
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## COMMITTEE ON LIGHTING STREETS:

690 Gas Lanterns, 756 Gasoline Lamps, with Building and Fixtures,	.	.	.	.	.	\$23,000 00
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## DIRECTORS OF FREE PUBLIC LIBRARY :

Library Building,	.	.	.	.	\$28,000 00
9,902 feet of land, at \$2.00 per foot,	.	.	.	.	19,804 00
					<u>\$47,804 00</u>
Personal Property,	.	.	.	.	23,000 00
					<u>\$70,804 00</u>

## FIRE DEPARTMENT:

### *Beacon Street.*

8,000 feet of land, at 25 cts. per foot,	.	.	\$2,000 00
Engine House,	.	.	5,400 00
			<u>\$7,400 00</u>

### *Bigelow Court.*

5,310 feet of land, at \$1.50,	.	.	\$7,965 00
Engine House,	.	.	9,500 00
			<u>\$17,465 00</u>

### *Carlton Street.*

1,270 feet of land, at \$1.25,	.	.	\$1,587 50
Engine House,	.	.	1,800 00
			<u>\$3,387 50</u>

### *Exchange Street.*

500 feet of land, at \$2.00,	.	.	\$1,000 00
Engine House,	.	.	1,800 00
			<u>\$2,800 00</u>

*Grafton Street.* (On School House lot.)

Engine House,	.	.	.	.	.	\$4,000 00
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*Lamartine Street.*

8,400 feet of land, at 12½ cts.,	.	.	.	.	\$1,050 00	
Engine House,	.	.	.	.	8,600 00	
						\$9,650 00

*Myrtle Street.*

1,277 feet of land, at 90 cts.,	.	.	.	.	\$1,149 30	
Engine House,	.	.	.	.	2,700 00	
						\$3,849 30

*New Worcester.*

Land,	.	.	.	.	\$ 500 00	
Engine House,	.	.	.	.	1,000 00	
						\$1,500 00

*Pleasant Street.*

6,106 feet of land, at 14 cts.,	.	.	.	.	\$ 854 84	
Engine House,	.	.	.	.	8,100 00	
						\$8,954 84

*School Street.*

7,688 feet of land, at 50 cts.,	.	.	.	.	\$3,844 00	
Engine House,	.	.	.	.	4,500 00	
						\$8,344 00

*Thomas Street.*

Land,	.	.	.	.	\$7,000 00	
Engine House,	.	.	.	.	4,500 00	
						\$11,500 00

*John Street.*

1,836 feet of land, at 50 cts.,	.	.	.	.	\$ 918 00	
Engine House,	.	.	.	.	4,050 00	
						\$4,968 00
Five Steamers,	.	.	.	.		\$22,800 00
Thirteen Hose Carriages,	.	.	.	.		6,700 00
Three Ladder Trucks,	.	.	.	.		4,600 00
Other Personal Property, including Fire Alarm						
Telegraph,	.	.	.	.		61,000 00
						\$178,918 64

Total Fire Department Personal Property,	.	.		\$95,100 00
Total Fire Department Real Estate,	.	.		83,818 64

Total,	.	.	.	.	.	\$178,918 64
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## CITY HOSPITAL:

Furniture, Surgical Instruments, etc.,	.	.	.	\$3,500 00
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## HIGHWAY DEPARTMENT:

50,331 feet of land on Salem Street, at 33 cts.,	\$16,609 25
Stable, Sheds, etc.,	10,000 00
Land (1 acre),	100 00

Land (2½ acres), Quinsigamond Village, . . . . .	\$225 00	
Gravel Pit near Paxton, . . . . .	15 00	
Personal Property, . . . . .	7,852 88	
	<hr/>	\$34,802 11

## PAUPER DEPARTMENT:

Real Estate, . . . . .	\$62,000 00	
Stock and Tools at the Farm, . . . . .	6,958 85	
Household Goods, . . . . .	5,411 89	
Building, Stock, etc., in Scavenger Department, . . . . .	6,002 00	
	<hr/>	\$80,372 74

## POLICE DEPARTMENT:

Personal Property under care of City Marshal, . . . . .	\$1,200 00
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## SCHOOL DEPARTMENT:

Land and Houses, . . . . .	\$843,000 00	
Personal Property, . . . . .	75,000 00	
	<hr/>	\$918,000 00

## SEWER DEPARTMENT:

Personal Property, . . . . .	\$ 539 75	
Personal Property, Island Sewer, . . . . .	5,000 00	
	<hr/>	\$5,539 75

## WATER DEPARTMENT:

Real Estate in Leicester, at Bell Pond, and on Thomas Street, together with the Reservoir Pipes, Hydrants, Fixtures and Tools, costing . . . . .	\$1,247,381 39
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## MISCELLANEOUS:

Central Park, 7 acres.  
 Hope Cemetery, 67 acres.  
 Elm Park, 28 acres.

*Land Unimproved.*

90,624 feet of land, Pine Court, at 40 cts., . . . . .	\$36,249 60	
38,696 feet of land, Lamartine Street, at 12½ cts., . . . . .	4,837 00	
6,533 feet of land, Union Street, at 50 cts., . . . . .	3,266 50	
19,500 feet of land, Summer Street, at 75 cts., . . . . .	14,625 00	
50,745 feet of land, Mechanic and Foster Streets, at \$1.00, . . . . .	50,745 00	
	<hr/>	\$109,723 10
City Hall Building, . . . . .	\$20,000 00	
Furniture, etc., in City Hall, . . . . .	5,000 00	
City Scales, Lincoln Square, . . . . .	300 00	
City Scales, New Worcester, . . . . .	300 00	
City Scales, Salem Square, . . . . .	400 00	
City Scales, Quinsigamond, . . . . .	300 00	
	<hr/>	\$26,300 00
Total, . . . . .		\$2,701,129 73



# REPORT

## OF THE

### COMMISSIONERS OF THE SINKING FUNDS.

---

WORCESTER, MASS, December 29, 1879.

*To the Honorable City Council :*

The undersigned beg leave to present the following report of their transactions for the financial year ending Nov. 30, 1879.

Balance Dec. 1, 1878,	.	.	.	.	\$47,828 86	
Receipts for the year,	.	.	.	.	158,590 44	
Total,	.	.	.	.	.	\$206,419 30
Payments for the year,	.	.	.	.	.	111,681 84
Balance Nov. 30, 1879,	.	.	.	.	.	\$94,737 46

Sundry statements, in tabular form, prepared by W. S. Barton, Esq., Treasurer of the Board, accompany this report and make a part thereof.

Respectfully submitted,

D. WALDO LINCOLN,  
SAM'L WOODWARD,  
EDWARD L. DAVIS,

*Commissioners of the Sinking Fund.*

*To the Commissioners of the Sinking Funds :*

GENTLEMEN:—The undersigned respectfully presents the following statements, showing the transactions of your board, for the financial year ending Nov. 30, 1879.

## STATEMENT OF SINKING FUNDS, Nov. 30, 1879.

	TITLE OF FUND.	Amount Dec. 1, 1878.	Receipts during year.	Total.	Payments during year.	Balances Nov. 30, 1879.
No.1	General Debt Sinking Fund, 1875,	\$18,383 56	\$110,245 90	\$128,629 46	\$108,508 89	\$20,120 57
2	Water Loan, Sinking Fund, 1876,	5,958 94	1,832 48	7,791 42	129 01	7,662 41
3	Lynde Brook Damages, do. 1877,	17,245 24	9,347 57	26,592 81	452 87	26,139 94
4	“ “ “ do. 1878,	6,241 12	5,375 66	11,616 78	589 50	11,027 28
5	“ “ “ do. 1879,		5,774 08	5,774 08	294 42	5,479 66
6	Island Sewer, do. 1879,		12,017 42	12,017 42	971 11	11,046 31
7	Foster Street, do. 1879,		13,997 33	13,997 33	736 04	13,261 29
	Totals,	\$47,828 86	\$158,590 44	\$206,419 30	\$111,681 84	\$94,737 46

## RECEIPTS AND PAYMENTS, DEC. 1, 1878, TO NOV. 30, 1879.

No. of Fund.	City Appro- priations Rec'd	Int. and Pre- mium Rec'd.	Total Receipts.	City Indebt- edness paid.	Int. and Pre- mium paid.	Total Payments.
1	\$105,731 95	\$4,513 95	\$110,245 90	\$104,800 00	\$3,708 89	\$108,508 89
2	1,500 00	332 48	1,832 48	.....	129 01	129 01
3	8,000 00	1,347 57	9,347 57	. ....	452 87	452 87
4	4,800 00	575 66	5,375 66	.... .	589 50	589 50
5	5,636 00	138 08	5,774 08	. ....	294 42	294 42
6	11,750 00	267 42	12,017 42	.....	971 11	971 11
7	13,680 00	317 33	13,997 33	.....	736 04	736 04
Totals	\$151,097 95	\$7,492 49	\$158,590 44	\$104,800 00	\$6,881 84	\$111,681 84

## INVESTMENTS AND BALANCES.

November 30, 1879.

	To meet Funded City Indebted- ness as follows, viz. :	When Con- tracted	City fives. Due 1887 to 1906	City Sixes. Due Apr. 1, 1892	Cash on Deposit	Balances, Nov. 30, 1879
No. 1	\$2,042,300.00, due 1880 to 1905	1861 to 1875	\$20,000 00	.....	\$120 57	\$20,120 57
2	100,000.00, due Dec. 1, 1906	1876	7,500 00	.....	162 41	7,662 41
3	100,000.00, due Jan. 1, 1887	1877	18,000 00	\$7,500 00	639 94	26,139 94
4	60,000.00, due Jan. 1, 1888	1878	6,000 00	4,500 00	527 28	11,027 28
5	40,000.00, due Jan. 1, 1889	1879	5,000 00	.....	479 66	5,479 66
6	100,000.00, due Jan. 1, 1899	1879	10,500 00	. . . . .	546 31	11,046 31
7	100,000 00, due Apr. 1, 1889	1879	12,500 00	.....	761 29	13,261 29
Totals	\$2,542,300 00.		\$79,500 00	\$12,000 00	\$3,237 46	\$94,737 46

Correct per book account,

WM. S. BARTON,

*Treasurer.*

WORCESTER, MASS., Dec. 29, 1879.

## STATEMENT OF FUNDED CITY DEBT.

November 30, 1879.

TITLE OF LOANS.	Amount Dec. 1, 1878.	Paid in 1879.	Balance outstanding.	Debt renew- ed and new Loans, 1879.	Total Debt outstanding Nov. 30, 1879.
Funded City Loans,	\$1,779,000 00	\$174,000 00	\$1,605,000 00	\$240,000 00	\$1,845,000 00
“ Sewer Loans	228,200 00	16,300 00	211,900 00	100,000 00	311,900 00
“ Water Loans	399,900 00	14,500 00	385,400 00	.....	385,400 00
Temporary Loans,	100,000 00	100,000 00	.....	.....	.....
Totals, . . .	\$2,507,100 00	\$304,800 00	\$2,202,300 00	\$340,000 00	\$2,542,300 00

# REPORT

OF THE

## Committee on Accounts.

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CITY OF WORCESTER,  
IN COMMITTEE, December-8, 1879.

The Joint Standing Committee on Accounts having attended to the duties devolving upon them under provisions of Section 17 of the Ordinance in relation to Finance, beg leave to report:

That they have examined the books and accounts of the City Treasurer, and all securities in his hands belonging to the City, trust funds excepted, and find that his books are carefully and correctly kept, and that the securities are properly accounted for.

They further report that it appears from the books of the Treasurer that his cash receipts from all sources for the financial year ending Nov. 30, 1879, were

\$1,795,359 95

To which add cash on hand Nov. 30, 1878,

176,390 37

Making a total of

\$1,971,750 32

And that his cash payments were

1,832,542 75

Leaving a balance Nov. 30, 1879, of

\$139,207·57

Which they have verified by actual count, and by an examination of the several bank balances standing to the credit of the city.

The securities held by the Treasurer were found to be as follows:

1 Certificate of 2,622 shares in the stock of the Boston, Barre & Gardner R. R. Co. (par value),	-	-	-	-	-	\$262,200 00
33 Collector's deeds to the city, representing sundry liens on real estate sold for taxes, and amounting in all to	-	-	-	-	-	\$721 25
Total,	-	-	-	-	-	\$262,921 25

Of the several taxes, assessments and department bills which have been charged through the Auditor's office, and committed to the Treasurer for collection, the following were outstanding and unpaid at the close of business on Saturday, November 29, 1879:

TAXES, VIZ:	Polls.	Real Estate.	Personal.	
1874.....	\$4,710 00		\$1,402 80	\$6,112 80
1875....	4,872 00		1,319 70	6,191 70
1876.....	4,536 00		851 00	5,387 00
1877.....	4,028 00		535 80	4,563 80
1878.....	4,904 00		372 68	5,276 68
1879.....	5,618 00	\$22,337 64	1,957 02	29,912 66
	<u>\$28,668 00</u>	<u>\$22,337 64</u>	<u>\$6,439 00</u>	<u>\$57,444 64</u>

School book taxes, 1874 to 1879, inclusive,	-	-	-	-	\$804 65
Sewer assessments, old series,	-	-	-	-	4,936 87
“ “ new series,	-	-	-	-	2,804 65
Sidewalk assessments,	-	-	-	-	621 05
Street betterment assessments,	-	-	-	-	23,550 72
Highway Department bills; labor and materials,	-	-	-	-	462 40
Lighting Streets Department; lantern broken,	-	-	-	-	4 62
Pauper Department, City Relief; aid to paupers,	-	-	-	-	442 36
Sewer Department; repairs on North Pond Dam,	-	-	-	-	603 00
Water Department; labor and materials,	-	-	-	-	1,530 26
Water Department; rates and metered water,	-	-	-	-	5,276 28
Total,					\$103,481 50

Of the outstanding assessments for sewers and street betterments, eight of the former, amounting to \$4,925 67, and three of the latter, amounting to \$2,698 87, are being contested in the Superior Court. Thirty-four of the assessments for betterments, on account of the extension of Foster street, amounting to \$25,200.00, still remain unsettled. Most of the unpaid department bills were recently rendered to the Treasurer for collection.

Respectfully submitted,

H. A. MARSH,

F. H. KELLEY,

F. W. WARD,

J. J. WHITE,

*Committee on Accounts.*



# Report of the City Clerk.

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CITY OF WORCESTER,  
CITY CLERK'S OFFICE, Dec. 31, 1879.

*To the Honorable City Council :*

In conformity to Section 2 of Chapter 9 of the City Ordinances, the following report of all moneys received in this office as "fees or otherwise," during the year ending Nov. 30, 1879, is herewith presented.

From Licensed Amusements,	\$710 50
“ “ Auctioneers,	32 00
“ “ Billiard Tables and Bowling Alleys,	114 60
“ “ Dogs,	1,395 00
“ “ Fire Works,	10 00
“ “ Hacks and Job Wagons,	234 00
“ “ Intelligence Offices,	6 00
“ “ Junk Dealers,	38 33
“ “ Pawn Brokers,	73 33
“ Office Fees,	2,360 83
Total,	<u>\$4,974 59</u>

This sum has been paid to the City Treasurer, and receipts taken therefor.

There has been paid to Edward A. Brown, County Treasurer, the sum of \$2,949.00 for dog licenses.

Respectfully submitted,

E. H. TOWNE,

*City Clerk.*

# ANNUAL REPORT

## OF THE COMMISSION OF

# PUBLIC GROUNDS.

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*To the Honorable CITY COUNCIL.*

The COMMISSION OF PUBLIC GROUNDS, in compliance with the Twenty-First Section of the Municipal Charter, hereby submit a "Report of their acts and doings, of the condition of "the Public Grounds and Shade Trees thereon, and in said "streets and highways, and an account of Receipts and Ex- "penditures for the same," as required during the month of January:

*City of Worcester*

*In account with*

### COMMISSION OF PUBLIC GROUNDS.

#### DR.

To Appropriation for A. D. 1879,	\$5,000 00
Revenue, for Geese slain by Dogs,	7 00
	<hr/>
	\$5,007 00

#### EXPENDITURES.

For Manual Labor,	\$2,448 83
Hire of Teams and men,	113 39
Plants, Trees, Planting and Pruning,	973 97
Tools and Hardware,	185 64
Grass-seed and Fertilizers,	99 07
Loam and Manure,	497 67
Printing Annual Report, &c., &c.,	32 23
Lumber and Carpentry,	92 04

For Grain,	7 60
Gravel,	11 00
Blacksmith work,	13 55
Engineering, setting tree-guides, and map of Elm Park,	28 18
Water Pipe, Drain Pipe, Cement, labor, &c.,	184 08
Plumbing, Pump on Common, &c., &c.,	10 25
Stationery,	1 75
Freight and trucking,	11 78
Tool and Boat House, materials, constructing,	258 61
	<hr/>
	\$4,971 64
Unexpended and transferred to Sinking Fund,	\$35 37

Upon the third day of April, A. D., 1871, the *Honorable Council*, both branches concurring, on motion of *Alderman Frank H. Kelley*, unanimously

*Resolved*, That the *City Council* assure the COMMISSIONERS of their cordial co-operation in any effort for the improvement of the Common, and to that end will appropriate such necessary means and facilities as shall promise the most efficient and rapid execution of the work, consistent with a judicious economy.

From that day to this, the *Honorable Council* has readily granted all reasonable requests of the COMMISSION; which, in return, spared no effort to justify such manifest confidence. Mayors have succeeded each other, in queer alternation, as personal politics bore sway; but, through all these municipal changes, the COMMISSION OF PUBLIC GROUNDS have received—they believe, merited—executive co-operation and trust. And, while they could wish for no heartier friendship than was accorded to them by *His Honor*, whose elusion of a longer continuance in office has just disappointed his fellow-citizens; they can but esteem it of happy augury that the affairs of the city should be directed by one who proved himself,—as the above-quoted Resolution attests,—a friend in need, when, from the inexperience of the COMMISSION, it was to be a friend indeed.

The usual polite inquiry by the *Auditor*, necessary perhaps, but none the less perplexing,—“what sum will be wanted by the COMMISSION OF PUBLIC GROUNDS for the ensuing year?” recurs with the precision of the Winter solstice. Balances, if unexpended, unintended certainly, are merged and disappear in

the Sinking Fund. Requirements present themselves, or are urged, with inexorable persistency; which must be met in any way that is found effectual; and for which an abrupt official no! is never accepted as a sufficient answer. One citizen desires shade trees along the street that he chiefly frequents, and scoffs at the explanations why he does not get them upon his first peremptory demand. It is so natural for each of us to consider his own wants imperative, and to esteem hope deferred as the proper lot of every one but himself. And then, again, he desires shade trees,—not Public Grounds! His private lawns, or gardens, are ample for all his purposes of recreation, and, if more is expected, “Am I my brother’s keeper?”

The complacency with which some men will stroke a

“belly with fat capon lined,”

and, contemplating the keen edge upon their axe that was just ground at the public expense, thank God! that they are not extravagant, like the COMMISSION OF PUBLIC GROUNDS, for example! Some such patriots content themselves with taxing the childless, for free education. Others enforce a levy, that the houseless may enjoy the benefit of an efficient Fire Department. There is even a platoon, more or less,—who advocate the maintenance of a Police Force,—on foot or mounted, (in athletic slang, “go as you please!”) that the legion from whom the City Treasurer is powerless to extract a Poll Tax, may suffer no loss “in mind, body, or estate.”

It should be pretty obvious to even a dull observer, that it takes all sorts of men to make—a city. The appetites, passions, tastes, of those men,—the municipal population—are fortunately dissimilar. Fortunately, since otherwise a stagnation worse than mortal paralysis would fall upon the community. Hence the absolute necessity of consideration for the opinions, prejudices, if you please, of others; and a frank recognition of the fact that our dislikes should not be a measure for the preferences of another. Is it not the truest philosophy which lives and lets live? That, surely, is the wisest administration which, recognizing all alike, builds good roads, encourages sound

learning, and plants the *Academe* with shady groves. Such places become more attractive with the passing years, arresting the notice of the casual traveller, and inducing the permanent settlement of the cultivated man, who, not unfairly, judges that the true character of a people may be inferred from the neat and tasteful aspect of their private and public grounds.

Nor should it be forgotten that Time is an element which can be made to favor this COMMISSION, only, of all the civic departments. Not even a rill may run in Old Maids' Brook; Bladder Pond may subside to its lowest level; but vegetable growth is continuous—as some naturalists think, incessant. How important, then, that there should be neither interruption nor delay to the planting of those trees, upon which we are to depend for future adornment and shelter! The COMMISSION OF PUBLIC GROUNDS, felicitating themselves upon much that has been accomplished, visible to all, can look back upon the evident results of their labors, without fearing any such invidious contrasts as have been drawn, once or twice, by men who could trace better than they could dig. And yet, all over the city, they can find streets without a single shade-tree to ward off the fierce rays of the summer sun; or to stop a runaway horse, when, in his mad career, he would switch off the wrecked carriage dangling at his heels to a thronged and affrighted sidewalk. By their own direct efforts in the past year, they have done what was possible. They have been seriously disappointed by the lâches of some who promised to set out trees, if the COMMISSION would but furnish them, along the streets whereon they abutted. In notable instances, those trees have been kept heeled in until the season became too far advanced for out-door planting. An effort will be made during the coming Spring to get away from the work on Elm Park, pressing as it will be, long enough to attend, in person, to some streets which should be supplied with trees at once. When those trees shall have been planted, the individual coöperation of our fellow-citizens is solicited, in advance, to prevent possible or punish actual mutilation.

Meanwhile, the example of Senator Hoar is open for imitation by any of his fellow-citizens—no caveat having been lodged



hitherto. Like Rice (Darius) and Jaques, Hadwen and Harts-horns, he was desirous of doing something for posterity, and—did it. Having planted either side of Hanover Street, from Belmont northward, the COMMISSION supplemented his work by supplying guards and repairing the walks. Articles in the newspapers, last Autumn, advised a subscription fund in aid of the sum ordinarily applicable to the setting out of shade trees. Any citizen thus disposed, may achieve as much at comparatively slight expense, by conference and coöperation with this COMMISSION. While time now wastes, unimproved, trees might be growing and affording ever-increasing shade.

In their estimate for an appropriation, the COMMISSION kept in view the continuance of work upon Elm Park; the care (which comprises pruning and, at times, excision or eradication) of shade trees; with such limited planting as sparse means may allow. They would be rejoiced above measure, the *Honorable Council* concurring with them in their judgment of its importance, were they to be enabled to set out shade trees along the whole length of Millbury Street, on both sides, wherever practicable. They would be glad to repeat the experiment of old upon Vernon Street, guaranteeing that the method of planting should be sufficient, under their own supervision, whether the jack-knife was withheld or not. Belmont Street has never been out of their mind; but agents of the State having promised to set out trees, if provided by the COMMISSION, along the entire line whereon the Commonwealth abutted, attention was temporarily diverted from the westerly end of the old Turnpike. Not everything can be done simultaneously, even by the COMMISSION OF PUBLIC GROUNDS; whose faith, though boundless, is inadequate to move a cubic yard of excavation—much more, human inertia. Shade trees should be planted, in quantity and at once, to gain time and growth; but, to that end, the means must be supplied by the *Honorable Council*. Their constituents are more than willing.

The uses to which the Common may be degraded is a legitimate matter for discussion. There does not seem to be any good reason why writers for the press, in column of attack, should go out of their way to berate and vilify the COMMISSION

OF PUBLIC GROUNDS. Its admitted purpose is for a *Common* and *Training Field*. What constitutes a training field is obvious enough, and has been made even more manifest at the pleasure of the Continentals, or of the Volunteer Militia. Wherein it may be a common is not so plain. Possibly it is on that account that the "tract of ground bounded by Front, Main, Park "and Salem streets" is confided to the "sole care, superintend-  
"ence and management" of a COMMISSION, by which "all nec-  
"essary rules and regulations in the execution of their trust  
"may be" established. Unfortunately, the charter did not clothe the COMMISSION with power to enforce those rules and regulations.

The COMMISSION are clear for what that *Common* should not be abused. Convenient and sufficient paths having been built, the green lawns should be protected, in the interest of all, from intrusion and consequent disfigurement by any. Upon public holidays, of course, there would be greater license. Nor, with the consent of the COMMISSION, will facilities be furnished for the bummer and hoodlum, whom we have too much with us, that they may, at their dirty ease, insult passers-by of either sex. It is but a short while since a large number of settees were fixed in position along the various pathways. Not a day elapsed that some one was not mutilated, broken or wrenched from its place. They were removed, finally, upon a general and intolerable complaint from ladies in every condition in life, —the bee as well as the butterfly,—that they could never pass those settees without having to listen to filthy language and ribald comment. Undoubtedly, they would have supplied a comfortable rest for well-behaved citizens. But the bummer and dead-beat are also citizens, likewise wish a rest in the shade, and are devout disciples of the hoodlum gospel, that,—

"They should get who have the power,  
And they should keep who can."

It may be urged that 'smut' within the *Public Grounds* should be summarily suppressed. Very true. Yet how shall its eruption be stayed, if the police cannot, or will not, tend vent?

Again, in the early Summer, after the *City Council* had voted



to have a series of out-door concerts, it became desirable to locate a band-stand. Not a word was said to the COMMISSION. Yet, assuming that various unsuitable places had been occupied, because of objection to any location upon the *Common*, it was thought in good taste, as well as just, to spice the newspapers, as follows: "Many are foolish enough to believe that the Common is admirably adapted to such purposes." Such peppery writers must have been astonished to find how easy it was to get a stand erected upon the Common, when the COMMISSION OF PUBLIC GROUNDS were treated with even ordinary civility, and had the assurance, to which they were entitled, that the structure should not only be ornamental, but should be restricted to its appropriate uses. Whether that restriction was respected upon all occasions is perhaps questionable. There is, at least, cause for a suspicion that, upon an evening when the platform subsided beneath an untterrified caucus, whether from gross weight or inherent unsoundness, the hardy burglars who invaded Mechanics' Hall so easily, made light of breaking into that band-stand, beneath the infrequent

"Glimpses of the Moon."

Such mishaps should work no impeachment of the vigilance of the Superintendent of Public Buildings, who was doubtless hearkening, with both ears, to the voice of the people.

While upon this subject, and in this mood, it occurs to the COMMISSION that no better opportunity will ever present itself, of thanking an unknown friend for the conception and gift of a characteristic and expressive

"Dessin pour cet Jet d' Eau—dedie' avec beaucoup de respect au M. E. W. Lincoln."

The language may betray the nationality of the artist. But true Art is of no race; and tongues, confused at Babel, have been harmonized since. The intrinsic grace,—*esprit*,—so to speak, of *cet Dessin*, is of every clime and all schools: in brief—inimitable as indescribable. Barbarossa may as well arouse!

The COMMISSION OF PUBLIC GROUNDS yield none of their views, heretofore expressed at considerable length, relative to

the development of the natural beauties wherewith Worcester is so lavishly endowed. But,—that others may be induced to share the same opinions,—it is indispensable that their gospel,—like all other—should be preached in and out of season. It is even better to repeat what was once stated well, than to risk weakening an argument, by putting it in other—perhaps inferior—phrase. Thus, in their Annual Report for A. D. 1871:—

“The opinion of the Commission is decided that the city of Worcester should obtain, from the Great and General Court, power to occupy and possess Lake Quinsigamond, for the purposes of a PUBLIC PARK, without prejudice to the rights of riparian owners, whatever they may be. In this way, if in no other, could the level of its waters be maintained at their average height, thus preserving the smooth and verdant banks which so much enhance its beauty. Nor can any other method be devised, half as effectual, of forestalling future attempts to divert the water of the Lake for the supply of metropolitan thriftlessness and waste.”

Reiterating that plea for the utilization of a priceless blessing, in their Report for A. D. 1878, the COMMISSION enforced their position by arguments drawn from the low stage of water during the preceding summer, and continue:—

“Since attention was concentrated upon the beauties of Lake Quinsigamond, by their constant eulogy in these Reports, large public and private investments have been made around its shores.” Access to it has been facilitated by the construction of LAKE AVENUE, and the Shrewsbury Railroad, not omitting mention of the almost total renovation of the main highway. The vast pile of buildings erected by the State for its Lunatics (not chronic) represents a present value far exceeding the former estimate of that entire lacustrine territory. Into and out from the Lake, at whatever level its waters are maintained, the drainage of the Hospital, and of all other buildings, deodorised perhaps, but not necessarily purified, must inevitably flow. In direct proportion to the volume of the lake, will be the consequent dilution. Even a minimum of offence may yet become so desirable as to require attainment, reckless of cost.

\* \* \* \* \*

“Still further,—a higher stage of water, setting back upon the

causeway, would greatly facilitate the construction of those openings for a water-way—that series of Inverted Arches,—which have been so often advised in these Reports as indispensable to a recovery of the use of the Lake. Cent-per-cent will sneer at the folly of the writer; and the victims of his usury may join with him in deprecating such wild infatuation. But the future historian of Worcester will point to the utilization of the Lake, as a potent factor among the causes that revived her dormant prosperity; to the storage and retention of a great volume of water, whereby the winds are tempered and the climate softened, enabling the Pomologist to rely, with complete assurance, upon a certain return from his labors. Then upon either shore,—as around the lesser Lakes of central New York,—shall be seen hill-sides crowned with vineyard and peach-orchard; their ripe harvest none the less prized that it is of our own culture, and all the more luscious because grown at home. That the trial has not been made hitherto, is not the fault of this COMMISSION; who do not mean to be censured if all the conditions are not propitious hereafter for the first intelligent pioneer. And among those conditions, whether as affecting the beauty of the landscape encompassing, or controlling and modifying the climatic influences emanating from the Lake, nothing can surpass in importance an ample volume of water.”

\* \* \* \* \*

“Now, why should not the City of Worcester and the Town of Shrewsbury unite in obtaining, from the General Court, an Act establishing the Lake as a WATER-PARK and vesting its control in those two municipal corporations? Such an Act—prejudicial to none; nor injuriously affecting the rights of those whose interest in a high stage of water is secondary to the avarice that relucts at the support of an adequate dam, at the outlet of the lake; would satisfy all requirements.

A WATER PARK established; and the control over its average level, or volume, vested in Shrewsbury and Worcester; there would be no resulting expense, save at the will of those municipalities. They might mend the present inadequate dam; build a new, stronger, and higher one; or leave the work severely

alone. But their possession of exclusive jurisdiction over that lovely Lake could harm none, and might enure to the common welfare."

Now in this matter, as in aught else, what concerns everybody is cared for by none. Adopting it for their own business, therefore, the COMMISSION determined that it should not be their fault if some step was not taken looking to immediate overt action. By request of the *Chairman*, Mr. George S. Coe; to whom the low water and exposed shores of the Lake had been a daily offence; offered the following resolution, in Shrewsbury *Town Meeting*, in which, after explanation by the mover, it was carried without dissent:—

*Voted*;—that the Selectmen be requested to confer with the municipal authorities of the City of Worcester, upon the policy of establishing Lake Quinsigamond as a Water Park:—

And, to make application, in conjunction with said Municipal Authorities, should they mutually agree upon a plan; at the present or next session of the General Court of the Commonwealth; for the necessary legislation in the premises.

That occurred in March, or April, last; since when nothing has been done. The authorities of Shrewsbury and Worcester have held no conference; the *Selectmen* of the TOWN thinking, it is presumed, that overtures should proceed from their more consequential neighbor. But might they not realise that those who stand upon their dignity merely waste time, while the world keeps on moving: and that Worcester could reasonably conclude, since "it is more blessed to give than to receive," that any proposition should emanate from Shrewsbury, within whose territory lies the bulk of the Lake? At any rate,—this COMMISSION are powerless to accomplish. They can only recommend:—more's the pity!

Meanwhile it is understood that the manufacturing privileges, attaching to the waters of the Lake, are controlled by stronger hands than was the case but a few years ago. In that fact, the COMMISSION perceive no disadvantage:—rather,—an opportunity. The men of means, who have the sagacity to detect a business chance from across an ocean; and the courage to secure it when detected; are just the men with whom to deal. Ample water is of all consequence to them. To the people of Shrews-



bury and Worcester,—it is beauty and health. To the mill-owners,—it is subsistence and fortune. What insuperable obstacle, then, shall prevent such an accumulation of water above the highway that crosses the inlet of the Lake, at its northern extremity, as shall be adequate to maintain a fixed level below that highway, throughout the year? Assuredly not the actual value of the land that would have to be flooded: which is next to nothing. Perhaps it might be the fictitious estimate, that starts up like a fungus, to blight and arrest improvement. Men who go clamouring at high water could, of course, imagine that hopeless ravine worth something. But even avarice is powerless, at times, when confronted by the wit of man enlisted in a resolute effort to benefit his fellows. A handsome, capacious opening through the causeway,—like that series of Inverted Arches so often suggested in former Reports, would be a good thing; and the COMMISSION have faith in its ultimate construction. An extension of *Lake AVENUE*,—northerly,—would be better, just now:—and the COMMISSION indulge a hope that it will be forthwith ordered by the *Honorable Council*. The storage of water northward of the highway, and its retention until required to sustain the level of the Lake, would be best of all; and the COMMISSION, with rapt vision, behold the angels ascending and descending. But—even thus—Hercules cannot be expected to do the work. Nor will the men who suffer their sidewalks to be cumbered with snow; who allow the shade-trees in front of their estates to be mutilated, as may chance; to whom private damages are obvious, incessant, and so importunate, but betterments a mere phrase without meaning; and who were never known to forego a claim, only not baseless as founded upon a pretence; nor will such men,—(and their name, A. D. 1880, is Legion,—) concern themselves whether the lines of their fellow citizens are cast in pleasant places. So far as depends upon that class of patriots, the devil may take the hindmost! and welcome;—so long as his clutch is not laid upon their precious selves. How their race has been perpetuated is the chief puzzle: for the sacred narrative indicates no survivor, where, discoursing of their ancestors, it says that “the herd ran violently down a steep place into the Lake (*sic*) and were choked.”

The work upon *Elm Park*, throughout the past year, has been uninterrupted. The Circular Pool,—whose commencement had been indicated in the latest Report of the COMMISSION, was prosecuted steadily to completion. Excavated in cold weather, when the frozen state of the ground prevented any incursion of surface or spring water, this Pool was constructed under more favorable conditions than either the Diamond or Oval. It was thus possible to grade the bottom to a common level; thereby securing a desirable end, if one of rare attainment,—uniform depth of water. Had time allowed, the peat substratum would have been puddled with a coat of gravel, thus confining the bottom so that not even the shoe of the least number would mire. This Pool, like the others, is lined with stone, to protect the banks from abrasion. A yard-wide pathway has been made, around the edge, to accommodate children intent upon learning the art of navigation; and also as a convenience to people who desire easy access to the Water-Fowl.

The channel, by the Tool-House, was excavated as there has been need of material to construct or repair the larger walks. That material, consisting of a species of bog-iron ore, granulated by the action of the elements where it was first deposited; found in great abundance, as it is, has been of incalculable value to the COMMISSION. In but two instances have they felt impelled to purchase any gravel: and then only because a coarser article was desirable for effectual drainage. In taking out this material an *Islet* was left:—partly to avoid needless excavation;—somewhat for ornament;—and yet more,—because the more numerous these *Islets*, the more extensive the surface from which melting snows renew the ice for skating. The shrubbery and trees upon those *Islets*, when grown, will also furnish a shelter from the wind; from whatever point of the compass it may blow; which could not be surely predicated of a Pool with an unbroken expanse. All the shores of the Oval Pool, with the banks of its three *Islets*, are now faced with stone: a work that has been performed solely by the labor ordinarily employed in the *Park*. A portion of the Western Walk, originally built upon a basis of peat when the pool was first



outlined, will have to be backed by some of the gravel that lies so handy. Such tasks, like the completion of the channel by the Tool-House, are reserved for periods of low water; and of comparative leisure, when planting does not urge, nor grading positively refuse to be deferred longer,

The imperative need of a suitable place for Flowering Plants was also supplied, ere snow fell. A very considerable tract of land was thoroughly cleared of weeds and grass, perfectly enriched, and largely stocked with bulbs of early and recent acquirement. Herbaceous plants were set out in great number and variety, for the free-will offering of many of which, the COMMISSION have elsewhere expressed their indebtedness. With ordinary good fortune, there is no reason why this spot should not present abundant attraction throughout the following season. While the COMMISSION invite no comparisons, they fear none. Competent and impartial judges will admit;—of this plantation as of the other work that is visible and of possible estimate; that in the proportion of actual achievement to available means, neither in the metropolis nor elsewhere has there been a better return. The perfect snob will wander through the Public Gardens, in our larger cities, and gaze enraptured upon the *Tagetes signata pumila*. Safe at home, in Worcester, he waxes fiercely indignant because the COMMISSION OF PUBLIC GROUNDS, familiar with the Marigold! take no stock in his idiocy.

The COMMISSION hope to grade a considerable portion of the *Park* during the coming Spring and Summer. This task has been undertaken, at intervals, but was often interrupted on account of the pressure of work that could neither be slighted nor postponed. There is but a short time wherein planting is practicable: to that, of course, all other things must give way. A. D., 1879, was the first year, within the personal experience of the *Chairman*, when it was possible to set out trees and shrubs, with reasonable confidence, so late as the twelfth (12th) day of December. Grading, however, is independent of vegetation; and it will be prosecuted, the weather permitting, with diligence, and, it may be hoped, success.

The COMMISSION were the glad recipients of numerous

hearty gifts of Plants and Shrubs during the past year. The admiration bestowed upon two beautiful mounds was due, not to the taste of the COMMISSION inspired by ample means; but to private liberality, through which an inadequate provision was happily supplemented. Mr. Hermann Lange deserves especial thanks,—since a larger part of the effect produced, throughout the flowering season, must be attributed to his timely and lavish supplies. Among the plants received from him may be enumerated—*Asters*, 150;—*Cineraria Maritima*, 24;—*Ricinus*, 14—*Geranium*, 100;—*Iresine*, 100;—*Coleus*, 100;—*Dahlia*, in variety;—*Feverfew* and *Fuchsia*, in quantity. His cordial co-operation has also been extended in every possible way.

The friendly interest of *Mrs.* Alfred D. Foster, has also been consistent and unremitting. In her garden, as in but a few others, are preserved most of those herbaceous plants with which Worcester was richly stocked in the early days of the Horticultural Society. That some of them can be found in existence at all is owing to the purity of a taste which refused to subordinate beauty to fashion; and which finds its best reward in the return of popular partiality to the more correct standards of former years. The plants given by *Mrs.* Foster were so numerous that some may have been overlooked: it is hoped, however, that the subjoined list may not be seriously deficient:—*Achillea*, mille folium rubrum;—*Actaea*, racemosa;—*Achillea*, ptarmica fl. pl.;—*Anemone Japonica* (spicata);—*Arundo*, variegata;—*Baptisia*, cerulea;—*Calycanthus*;—*Campanula*, percisi-folia;—*Clematis*;—*Convallaria majalis*;—*Delphinium*;—*Diclytra*;—*Digitalis*, (6);—*Funkia* cerulea;—*Iris* (12);—*Kerria Japonica*;—*Lathyrus lati-folius*;—*Lychnis*;—*Pæonia* (6);—*Phlox* (24);—*Polemonium* ceruleum;—*Spiræa filipendula*;—*Yucca*, filamentosa.

The COMMISSION would likewise acknowledge their obligations to the *Misses* Burnside, for a bountiful provision of the following named plants:—*Hemerocallis*;—*Iris* (24);—*Pæonia* in var. (38);—*Phlox* in var. (100).

\* From *Mrs.* Francis H. Kinnicutt was received an immense mass of *Funkia alba*.

Mrs. Penelope W. Canfield gave a fine, well-grown specimen of the three-thorned Acacia (*Gleditschia tri-acanthos*), a seedling from a living tree that was derived by the late Gov. Lincoln from the original at Mount Vernon.

From their associate, Mr. Hadwen, the COMMISSION had some forty (40) strong roots of the *Canna*.

And from the *Chairman*;—nearly a hundred *Geraniums*; enough seedling plants of *Aquilegia* Chrysantha to show for themselves during the coming Summer;—together with the following *Cannæ*; whose names are recorded here, that, if lost from the Park, the varieties may yet be known as in actual possession. Dr. Gromier; Coquette; Mons Alegatier; Premices de Nice; Tricolor; Compacta; President Faivre; Brenningsi; Superba; Souvenir de Barillet des Champs; Bonneti Excelsa; Victor Lemoine; Ornement du Grand Rond.

In addition, the COMMISSION enjoy the promise of many another shrub and tree, for some of which they must invent, if they cannot otherwise find, leisure to go and secure. It cannot be doubted, as has been modestly hinted in former Reports, that many of our citizens own numerous flowering plants and shrubs which have either outgrown the space allotted to them, or require, for healthy development, more room than can well be spared. For any such, the COMMISSION OF PUBLIC GROUNDS would be thankful. And,—while contributing to adorn *Elm Park*, they would not be entirely lost to their former owners; who would have the opportunity, at will, of beholding them in their new location. A great deal has been achieved towards making a collection of herbaceous plants,—perennial or other;—but much more could be accomplished with that general co-operation which the COMMISSION feel that it is not hopeless to expect. Many species,—once common in Worcester;—and none the less beautiful because common; have almost disappeared from cultivation on account of the latter-day distaste for everything that could not be cramped and prostrated in beds. A floral Procrustes appeared to wield arbitrary sway; lopping here and stretching there—whose mandates were as senseless as most of those to which fashion pays heed, and yet were obeyed as implicitly. A sounder taste bids fair to prevail ere

long—when credit shall be given to each flower and plant for the beauties that are obvious and beyond challenge; without derogation because they lack other charms denied to them in their very creation.

The interest felt in the work of the COMMISSION by Mr. Charles S. Sargent, *Professor of Arboriculture* in the University at Cambridge, has been steadily manifested. During the last Autumn, he was kind enough to import for the Public Grounds, from Mr. Anthony Waterer, of England, a lot of *Azalea mollis*, and *Azalea* (of sorts), which came to hand in unimpaired and superior excellence. It is pleasant for her sons to mark the widening usefulness of our highest institution of learning, and to receive such positive evidence that she has at length found out that round pegs—not square sticks—are alone suitable to fill round holes.

Criticism of the method preferred by the COMMISSION, in the development of *Elm Park*, has been for the most part kindly, perhaps partial. Exception is however taken, now and then, to the extent to which water is employed as a means of ornament, that does not seem to be founded upon a catholic judgment. In the grand design of the Universe, more than three-fifths of the earth's surface is covered by the various oceans. Infinitesimally small by contrast, so as to make the bare statement almost ludicrous, scarcely four of the twenty-eight acres comprehended within *Elm Park* will be surrendered to water, when the ideas of the COMMISSION shall be fully realized. But, were the surface thus occupied to be twice as large, would it be any too much? In the simple light of beauty, what can be more lovely than an ever shifting, always sparkling sheet of water, continually presenting to the eye a new and varying charm? We weary of the monotony of green fields and smoothly shaven lawns, and become satiated, after a while, with the profuse wealth of flowers and blooming shrubs. But who tires of gazing upon an element whose variety is as infinite, as its beauties have ever been beyond description in prose and poesy? The COMMISSION, in developing *Elm Park*, have kept in view its surroundings. For a mile and a half it is a conspicuous object from *Park Avenue*, over which travel, even now frequent,



will ere long become incessant. What fairer vision could meet the eye, in Summer heats, than a succession of pools, of irregular and varying outline, whose flashing and pellucid waters should invigorate and refresh by their very aspect? What pleasure, in Winter, to behold the icy surface of these pools occupied by children of small or "larger growth," who are thus enabled to store up health, while, at the same time, they enjoy themselves free from apprehension of ever imminent peril? These pools are thronged, upon propitious occasions, by the boys and girls of the present Worcester. Will they be any too extensive for the crowd that may be expected to seek fresh air and exhilarating exercise when our population has swollen to a hundred thousand? Drainage has reclaimed the broad acres over whose frozen overflow the writer, with his youthful comrades, was accustomed to skate when yet there were but three thousand inhabitants in Worcester. With such an experience, in an ordinary life-time, is there much danger of exaggerating the provision that should be made for a possible, nor very remote, future?

Some exertion has been used in the maintenance of a clear surface for skating. So far, ordinary success is claimed, although much trouble is caused by boys and girls who will not keep away, when even their little feet leave imprints in the half congealed slush. But it is such a pleasure to behold the enjoyment of the children, who turn out in numbers that appear to represent all sections of the city and every condition in life; that the COMMISSION grow more anxious with each recurring year to preserve the ice in service. And still there are discouragements! The day after Christmas was bitter cold; but the *Chairman* of the COMMISSION was not thereby prevented from attempting to clear the ice of the snow that fell during the night previous. He succeeded in making skating possible; and found his reward, the next morning, in the prostrate trunk of a cut-leaved weeping birch (*Betula incisa pendula*), whose shapely proportions inadequately represented its first cost, and the subsequent care that it had exacted to rear. It lay where it was fractured, of no use to anybody, and a mute witness to the slothful recklessness of a boy, who, too lazy to take off his

skates, caught hold of the first thing within reach, however brittle, in the effort to keep from falling. But a few nights later an equally fine specimen of Wier's cut-leaved maple (*Acer Dasycarpum*, var. *Wierii Laciniatum*) was mutilated, if not wholly ruined, in a spot to which a person must have gone intentionally, out of the usual way, and bent upon malicious mischief. Now, what shall be done in such cases? The snow might be suffered to lie where it falls; which, though Cent-Pinch would approve, simply punishes the innocent with the guilty. Or, were less energy and time squandered in arresting the unlicensed sale of lager beer, more might be exerted beneficially for the adequate protection of public property and grounds. Proficiency in games of calculation or chance can only be attained by constant practice and keen vigilance. But even success at draughts may be purchased too dearly,—by excision of a popular draught at the tap, or by the loss, as in the examples specified, of a growth that requires three years for its peculiar development,\* and for which, fatally retarded, there can be no recovery or resurrection. Malicious or wanton mischief should be prevented. If this is impossible (which ought not to be assumed gratuitously at a police headquarters), the sternest penalty should be exacted after conviction. Homœopathy will not answer where a tree is wantonly stripped of its bark. It will not pay to excoriate the offender according to the latest price current for such peltry. "Skunk hides, the last year, were worth from \$1.75 to \$2.00 each. They will not be worth much more than half as much this year." It may thus be seen that the woe must be unto those through whom the offence cometh, because it is offensive; and not from a more or less fragrant anticipation of gain through the tanned hides of offenders.

The *City Marshal*, in his final Report for A. D. 1879, states to the *Honorable Council*, that the Licenses of Dogs to exist should be issued from the Police Department; to which, in return, the fees for such Licenses should enure. The views of

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\* In the case of the *Betula incisa pendula*, its conspicuous white bark is not manifest under three years.



the COMMISSION OF PUBLIC GROUNDS, upon this whole canine matter have been often and freely stated, and they have not changed with the lapse of time. For every license that the *Marshal* will grant, for the sake of the fee, this COMMISSION would withhold ten. For each unlicensed cur the Police would suffer at large, unmolested;—this COMMISSION would slay a hecatomb upon the altar of reasonable security to life, and property, and with due regard for common decency. Indeed, some summary measures will have to be adopted, or there must be a stop to any further efforts to adorn the Public Grounds. With the first advent of spring, a horde of dogs are suffered to run riot, unaccompanied and unchecked by their owners. This COMMISSION might, and may yet have to, apply the shot-gun as a sedative for those exuberant natures; but the howl from the careless owner would be louder than the animal yelp. Yet the public property must be protected; and this COMMISSION will not shrink from the discharge of their whole duty in the premises. Flowers and plants are cultivated for the enjoyment of the people. They are not planted for a target, nor that each stray cur, in rapid succession, may apply a blistering lotion. This COMMISSION fail to appreciate the logic of the *Marshal*. A major portion of the life of the municipal \* Dog is dissipated upon the Public Grounds. Most of his curious antics are there enacted; and it is generally, in those frequented places, that his polygamous unions are sealed. Indeed, so notoriously has the “Common” been thus rendered “unclean,” that the very bottomers cried out in jealous deprecation.

The experience of the COMMISSION will scarcely warrant the general opinion of the longevity of the Goose. As an ornament to the Pools in *Elm Park*, for

The tame (?) goose, in motion,  
Is a very pretty notion.

their advent was encouraged. Wonted to their new haunts, they soon become the petted playthings of mothers, who sought

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\*Licensed by the City; and municipal—*ex vi termini*.

amusement for their children; and an attraction for children, whose direst affliction was quickly felt to be upon those not infrequent days when rain, or an outbreak of the old Adam, enforced privation of their favorite outing. But it has been found extremely difficult to maintain the Water-Fowl in undiminished number. Some were curiously translated; and others must be accounted for by dogs, who "could not have killed them, you see, because they (the dogs) were securely fastened"—*the day before!* The loss of those which had been translated was more than made good by the *Chairman* of the COMMISSION, who procured, at his private expense, a trio each of White China Geese and Pekin Ducks. Later in the season, *Dr. Joseph N. Bates* presented the COMMISSION with a very fine pair of pure-bred Toulouse Geese, for which official gratitude was not expressed heretofore, that it might be conveyed thus publicly. Offers of other contributions to the stock of Water-Fowl have been casually made, by different persons, who may rest assured that their gifts will be welcomed as indicative of their private interest in the work of the COMMISSION; and of their desire to do aught that is within their power, individually, to augment the attractions of the *Park*.

If the people of Worcester want and would have this, that, or the other; and you may put your own emphasis on the other; they can find the idea evolved from the inner consciousness of this COMMISSION. But,—for the practical realization, they must dive into their pockets. No more now than ever—despite the plethora of charlatans or the blare of in-science, can man "gather grapes of thorns," or make a silk purse from a sow's ear. "In the sweat of thy brow!"—how easily it is forgotten, not alone at the Stock-Board or upon "the Street!" Nevertheless the game is worth the candle. Our citizens visit Boston and return vociferous in their praises of its Public Garden. But the people of Boston, when they made up their minds to dance, knew also that the piper must be paid.

Chicago has almost completed a superb system of Parks—Land, and Water; connected by magnificent stretches of stately Avenues, already partially shaded, and destined, in the near future, to be thoroughly protected from torrid heat by judicious

planting. As in the case of the New York *Central Park*, the increased valuation of the proximate territory will soon repay the cost of those improvements, considerable though it be. And, that it may be repaid, the men who cast their bread upon the waters, in those thriving cities, do it without reservation. They complete what they commence. As the new business, upon each mile of railway that is extended, helps to swell the aggregate traffic, so do the use and enjoyment of Public Grounds, and broad Avenues, contribute to local comfort and diffuse the good report of a community. It will not do, in these latter days of keen competition, to lag in the rear or fall behind our eager rivals in the race for supremacy. Worcester has some natural advantages: but, then too, she lacks many. And it is only by making the most of those that are hers confessedly—the blended charms of Land, and Water scape; artificial, when necessary, if you have only.

*Ars celare artem;*

that a present vantage can be retained, or a step taken forward. But are we thus wisely audacious? One or two miles of *Lake Avenue* to attest the sagacity and energy of one man, whose stamp is not even yet effaced from our highways, after years of comparative neglect. It were idle to waste space and time in the stale dispute over the precise location of that Avenue:—whether it could not have been carried, with advantage, around the head of this bay or over that projecting point. It was only decreed under the spell of strategy; and must needs be constructed, if at all, subject to the hard stress of a rigid and relentless parsimony. Completed to Lincoln Street, northward, according to the recorded plans,—it would facilitate travel, accelerate intercourse between extreme sections of the city, and multiply manifold the benefits of the work erstwhile finished.

And so of *Park Avenue*, which has repaid many times its cost in the saving of transportation enabled by it, across the chord that subtends, instead of over the arc which encompasses. Hay, wood, brick, and stone—every species of forage, and all kinds of building material—find easy access to all portions of

the western part of the city, over a roadway that was built and, with even ordinary precaution, could be made, to last. Thoroughly constructed (thanks to Rufus Carter, in an eminent degree); broad enough for any amount of travel; easy for traction; this noble thoroughfare is suffered to remain unfinished. Opened out, upon the same scale, to the intersection of Leicester by Stafford Streets, its utility would be developed beyond any possible present estimate. Prosecuted, as the exigencies of the Highway Department\* should allow, the work might be conducted with facility, economy, and without needless interference with inevitable duties. The employment of labor in building roads is no burden upon a community, *if only the labor is its own!* When it can be employed, as in this case, to complete a work which will supply a broad and uninterrupted thoroughfare from Northville to New Worcester, it seems strange that there should be a moment's hesitation. Gravel lies in large and contiguous mounds along that route. Labor is abundant and eager to be employed. The opportunity presses as material prospects look brighter. What more propitious occasion to resume and accomplish a great public improvement, that was only checked by the harsh duress of a broadcast private calamity. The direct coöperation of those immediately concerned has been promised heretofore, and cannot now be withheld—as, indeed, of men who were never yet found blind to their own advantage. And against distrust that is reasonable, prudence invents or finds its own adequate and timely safeguards.

Consider for an instant! Multifold and great enterprises have been assumed, conducted, and finished, in our City, during the last lustrum, although many branches of business were, at the same time, inert or unprofitable. Foster *Street* has been opened,—valueless or otherwise, as each may elect for himself.

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\*In the judgment of the COMMISSION OF PUBLIC GROUNDS, the Highway Department should always be so efficiently equipped that, like the Fire Department, its exigencies should be its opportunities. It could scarcely require extraordinary capacity to organize a corps of oxen, horses and tried and trusty men, that might, in a relatively brief space of time, and at a most moderate expense, make "all roads lead to Rome,"—even if they built wiser than they knew.

Reservoirs have been swept away and new ones substituted and the wreck of substance can scarcely be traced where, but a few years since, the wild waste of waters poured so resistlessly. That momentous undertaking,—from a mere inception of which so many men of approved courage and judgment shrank appalled,—the Island Sewer;—now completed; offers in its massive proportions and positive endurance, a proud monument to the sagacity and ability of its projectors and builders. Brakemen are useful, doubtless; but it is the engineer who runs the train. Now the expense of these works has been heavy, beyond question; and, in individual cases, possibly oppressive. But there is little public gain without some private sacrifice: and, in this instance of the Island Sewer, the general benefit incalculably predominates. Yet how small a portion of the sum lavished upon that Sewer would suffice to extend Lake, and Park *Avenues*! How much less, or more even, than was expended in the very judicious repair and widening of Mill *Street*, would it cost to complete Park *Avenue* to its legitimate and obvious intersection with Leicester and Stafford *Streets*. When done, all will wonder that it was ever retarded; or that there should have been the slightest hesitation about finishing it. For no one will then be blind to that which is even now plainly evident to some;—that Worcester will have acquired a superb thoroughfare,—bisecting its territory from North to South;—sweeping in its curves, yet of direct radius; and so nearly level that water is perplexed in determining its grades. Would any skeptic be convinced of its value for purposes of traffic? Let him witness, like the writer, its constant and heavy use! Would another dispute its worth as an absolute attraction to our City? Let such take his stand, at any point of intersection, and count the teams conveying their happy loads, of both sexes and every age, all renewing their youth and inhaling new energies from their invigorating contact with the living forces of Nature!

“And God said, Let there Light; and there was light.” The might of Omnipotence is not in us,—to evolve order from chaos at our simple volition. Nevertheless, we are created sufficiently



like our Maker to be able, in the ordinary exercise of our faculties, to fulfill the command that enjoins us to

“Prepare the way of the Lord and make his paths straight. \* \* \*

“Every valley shall be filled, and every mountain and hill shall be brought low; and the crooked shall be made straight and the rough ways shall be made smooth.” \* \* \* \*

“And the desert shall rejoice and blossom as the rose.”

Or we can go out and bury the talent committed to us. Worcester is in our possession,—to make or mar. But time fights ever against us; repeating no lost or forfeited opportunities, and, like the Sibyl, exacting an enhanced price in proportion as we neglect our chances.

All which is respectfully submitted by

EDWARD WINSLOW LINCOLN.

*Chairman.*

WORCESTER, MASSACHUSETTS,  
January 26th, A. D. 1880.



# REPORT

## OF THE

### JOINT STANDING COMMITTEE ON WATER.

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*To the Council of the City of Worcester :*

In conformity with an Ordinance of the City, the *Joint Standing Committee on Water* submit their Report, with those of the *Water Commissioner*, *Water Registrar*, and *City Engineer*, for the year ending November 30th, 1879.

#### WATER SUPPLY.

The greatest storage attained the past year was May 1st, when the depth of water was thirty-eight and two-tenths (38.2) feet. The supply at present compares favorably with that of former years, and considering the unusually light rain-fall, the state of things may be deemed very fortunate. The quality of the water has been exceptionally good, and it is hoped that a recurrence of the trouble which existed last year will not be experienced.

#### THE DAM.

The dam, gate houses, dwelling house, etc., are in good condition, and the man who is permanently stationed at the reservoir has faithfully attended to his duties, and the property of the city is well cared for. New stone walls have been laid, and the grounds about the basin are constantly being improved. A strip of land south of the dam was purchased of A. M. Brown this season, and the waste gates are now on land owned by the city.

## BELL POND.

Nothing in the way of improvement has been done at this reservoir, though much more vegetable matter might be removed, and the shores and water shed placed in better condition. The Worcester Lunatic Hospital derive a supply solely from this source, and it is seldom that water is drawn for other use excepting for fire purposes.

## THE DEPARTMENT.

The condition of the Department generally, is satisfactory, and for details in Construction and Maintenance Accounts, we refer to the reports of the Commissioner and Registrar. These officers have discharged their duties in a faithful and efficient manner, the nature of which is often unpleasant, and the adage "still waters run smooth," is not always applicable to their positions.

## REMARKS.

The resignation of Mr. William H. Heywood, of the Committee, was a cause of regret. His knowledge and long experience in matters pertaining to this department, and his constant attendance at business meetings rendered his services valuable to the city. The relations existing between the Committee and officers have been pleasant, and the interests of the city held paramount to all other considerations.

Respectfully submitted,

CHAS. B. PRATT,  
M. A. LAPHAM,  
F. H. KELLEY,  
GEO. E. BOYDEN,  
W. H. HEYWOOD,  
FRANCIS PLUNKETT,  
HIRAM FORBES,

*Joint Standing Committee on Water.*

WORCESTER, December, 20th, 1879.

# REPORT

OF THE

## WATER COMMISSIONER.

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*To the Joint Standing Committee on Water :*

The Commissioner would present the following as his annual report of work done for the year ending November 30, 1879:

The supply of water has been sufficient for all the demands of the city, and the quality as good as in previous years.

There was stored in the reservoir, November 30, twenty-seven and twenty-one hundredths (27.21) feet, or, three hundred and thirty-four (334) million gallons, enough to supply the city three months.

The rain-fall at the reservoir has been less than in any year since a record has been kept. The amount for the year being thirty-five and ninety-two hundredths (35.92) inches.

December, 1878, 5.82 in.	April, 3.67 in.	August, 5.29 in.
January, 1879, 1.34 "	May, 1.64 "	September, 1.72 "
February, " 3.00 "	June, 3.06 "	October, 0.95 "
March, " 3.22 "	July, 3.88 "	November, 2.33 "

### BELL POND.

has supplied the Lunatic Hospital, and been used in the city four times during the year. Only a small quantity of water is now stored here, and should but little rain fall this Winter, it will have to be fed from Leicester through the high service pipe. No work has been done around this reservoir since the last report.

The fences around the Hunt reservoir, and on Chandler Hill, have been repaired and painted.

The amount of pipe laid for

### DISTRIBUTION.

is five thousand, one hundred and fifty-two and seventy-five hundredths (5,152.75) feet, in the following streets:

610.	ft., 8 in.,	Lincoln street.	
640.	" 6 in.,	Crescent st., from Garden st.	One gate.
560.75	" 6 "	Florence st., " Charlotte to Oberlin st.	"
764.5	" 6 "	Fruit st., " Cedar to John st.	"
795.5	" 6 "	William st., " West to Sever st.	"
563.6	" 6 "	Lowell st., " Main st.	"
266.	" 4 "	Beacon st., " Jackson st., east.	"
58.5	" 4 "	Ripley st.	
332.75	" 4 "	Salem square, " Front st.	"
250.	" 4 "	Winter st., for Elevators.	"
155.25	" 2 "	Powers court.	
156.	" 2 "	Christy st., from Grand st.	

In Austin street, two hundred and six (206) feet of four-inch cement lined pipe was taken up, and replaced with four-inch cast iron. Sixty (60) feet of four-inch cast iron pipe was laid in Russell street, in place of two-inch. One thousand, eight hundred and sixty-nine (1,869) feet of one-inch pipe has been laid for temporary mains, the parties supplied paying for the labor. This has been done only in streets where the revenue was not sufficient to equal the interest on the cost of a main pipe.

### LOCATION OF HYDRANTS SET.

Beacon	street,	between Hermon and Jackson streets.
Crescent	"	corner of Henschman street.
Florence	"	" Oberlin "
Fruit	"	" William "
Fruit	"	" John "
Lincoln	"	" Green lane.
Lowell	"	

Main	“	“	Lowell street.
Ripley	“	“	Ripley “ place.
Salem square.			
William street,	“	“	Sever street.

One, set for Boston & Albany railroad corporation, at their new engine house, making twelve (12) new hydrants added, during the year.

All of the hydrants have had the usual examination. In making repairs, seven (7) new hydrants and thirty-two (32) new boxes were used. One hydrant, on Main street, front of Cummings' Building, has been taken out.

The number of service pipes laid, is one hundred and eighty-one (181), for which, eight thousand, one hundred and forty-five and forty-one hundredths (8,145.41) feet of pipe was used. Three thousand, seven hundred and ninety and eighthundredths (3,790.08) feet at the expense of the city, and four thousand, three hundred and fifty-five and thirty-three hundredths (4,355.33) feet at the expense of individuals. Nine service pipes were laid to supply hydraulic elevators, and there are now twenty of these furnished with water.

Six hundred and seventeen (617) feet of four-inch pipe was laid from Bloomingdale street to new engine house of Boston & Albany R. R. Co., and one hydrant set. This was done at the expense of the corporation.

Number of meters set, five hundred and eleven (511).

Bills for labor and materials have been rendered to the Treasurer for collection, to the amount of \$14,242.80. Amount uncollected, November 30, 1879, \$1,530.26.

Number of leaks repaired, sixty-six. On main pipe, forty-three, viz.: joint, seventeen; rust, twenty-three; broken pipe, one; sewer trench settled, one; branch split, one. On service pipe, sixteen, viz.: lead connection, nine; broken stop, three; rust, two; coupling, one; frost, one; gates, two in packing boxes. Hydrants, four, viz.: valve, three; stock broken, one. Stand-pipe, one, elbow.

Forty-eight (48) gate boxes and fifty eight (58) stop boxes have been used to replace old ones. One hundred and fifty-seven (157) service stops cleared out.

The tables following show the amount of different sizes of pipe laid in each year ; the number of gates and hydrants ; also the number and length of service pipes laid, to date.

The appraised value of stock and tools on hand November 30, is \$31,146.75.

Respectfully submitted,

F. E. HALL,

*Water Commissioner.*

WORCESTER, December 20, 1879.



## MAIN AND DISTRIBUTION PIPE LAID TO NOVEMBER 30, 1879.

	* 2 inch.	3 inch.	4 inch.	5 inch.	6 inch.	8 inch.	10 inch.	12 inch.	16 inch.	18 inch.	20 inch.	24 inch.	Length in miles.	Gates.	Hyd'rants
Prior to 1864.....	.....	.....	19,697	2,822	12,674	5,159	.....	.....	.....	.....	.....	.....	7.642	35	....
1864.....	.....	.....	4,197	.....	3,744	63	.....	7,166	13,309	1,980	1,056	.....	5.968	12	152
1865.....	144	.....	8,946	.....	6,259	5,769	3,455	886	2,255	.....	.....	.....	5.248	49	65
1866.....	982	.....	10,211	.....	1,624	11,266	.....	.....	2,915	.....	273	.....	5.165	42	36
1867.....	2,564	3,487	8,964	.....	2,197	8,402	.....	1,474	1,374	.....	.....	.....	5.39	57	56
1868.....	2,194.8	1,540.5	14,585.57	.....	3,206	1,850.5	.....	.....	.....	.....	.....	.....	4.427	47	35
1869 ..	5,129.6	2,312.25	20,428.53	.....	10,642.53	4,102.97	1,004.16	2,725	.....	.....	.....	.....	8.796	109	45
1870.....	1,469	365.5	14,745	.....	9,335	3,791.5	627	.....	.....	.....	.....	.....	5.626	64	29
1871.....	340	345	19,110	.....	10,052	5,690	.....	.....	.....	.....	.....	.....	6.849	80	39
1872.....	421	226	4,420.25	.....	7,307	.....	2,032	2,656	8,916	.....	13,801	.....	7.534	42	9
1873.....	.....	.....	5,736.75	.....	9,714	5,691	.....	2,845	11,554	.....	.....	.....	6.731	46	35
1874.....	.....	.....	3,058.91	.....	6,170	5,948	.....	3,724	8,330	.....	.....	.....	5.157	37	26
1875.....	.....	.....	562	.....	2,257.25	1,150	.....	.....	3,534	.....	.....	.....	1.421	49	28
1876.....	.....	.....	1,122.25	.....	140.75	.....	.....	4,819	.....	.....	.....	700	1.284	23	19
1877.....	.....	.....	349. 5	.....	919	1,086.5	.....	3,016	1,029	.....	56	.....	1.222	21	18
1878.....	211	.....	326	.....	666	2,222	.....	3,197	.....	.....	.....	.....	1.254	11	9
1879.....	311.25	.....	1,173.25	.....	3,337.25	597	.....	.....	.....	.....	.....	.....	1.026	9	11
Total,.....	13,766.65	8,276.25	137,633.01	2,822	90,244.78	62,788.47	7,118.16	32,508	53,216	1,980	15,186	700	80.740	733	612
Pipe taken up,.....	409	.....	8,099	1,335	4,786	1,221	4,800	.....	330	.....	.....	.....	3.405	29	1
Total in feet,.....	13,357.65	8,276.25	129,534.01	1,487	85,458.78	61,567.47	5,318.16	32,508	52,886	1,980	15,186	700	77.335	704	611
Total in miles,.....	2.52	1.567	24.532	.282	16.185	11.661	1.007	6.157	10.014	.375	2.876	.133	.....	.....	.....

## SERVICE PIPE LAID TO NOVEMBER 30, 1879.

	LAID FOR CITY.		LAID FOR INDIVIDUALS.		No.
	In Feet.	In Miles.	In Feet.	In Miles.	
Prior to 1865.....	3,800.	.719			129
1865.....	5,979.83	1.132	3,538.67	.672	207
1866.....	8,592.39	1.627	7,930.95	1.502	284
1867.....	11,231.46	2.127	12,938.01	2.45	388
1868.....	13,237.24	2.507	11,343.59	2.148	504
1869.....	17,958.14	3.401	12,855.87	2.435	673
1870.....	11,403.95	2.160	11,562.01	2.19	581
1871.....	10,089.36	1.911	9,149.6	1.733	504
1872.....	7,444.75	1.41	6,811	1.29	357
1873.....	6,004.91	1.137	7,241	1.371	315
1874.....	4,773.83	.904	6,209.5	1.138	231
1875.....	4,171.25	.79	5,568.75	1.055	215
1876.....	2,368.	.448	2,345.17	.444	104
1877.....	2,976.33	.564	3,679.67	.697	147
1878.....	3,207.33	.607	3,354.66	.635	151
1879.....	3,790.08	.718	4,355.33	.824	181
	117,028.85	22.162	108,683.78	20.584	4,971

# REPORT

## OF THE

# CITY ENGINEER.

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*To the Joint Standing Committee on Water :*

GENTLEMEN :—I herewith submit the following report, in accordance with the provisions of Section 11, Chapter 68 of the City Ordinances.

On December 1st, 1878, the water in the Lynde Brook reservoir was  $5\frac{77}{100}$  feet below the roll-way, there being stored at that time 462,161,353 gallons of water, or about 185 days' supply. The supply steadily increased until Feb. 27th, 1879, when the water commenced to run over the roll-way, continuing to run over until April 14th, when a 6-inch flash board was put on. The flash boards were kept on until April 18th when they were removed, but were replaced April 26th, and kept on until after the water had fallen below the level of the roll-way. During the period of high water the amount wasted was equal to 390,168,880 gallons, or 150 days' supply. The reservoir has been visited by me regularly during the past year, and everything found in excellent condition.

The supply has been sufficient for all purposes. The amount drawn per day from the reservoir has now been reduced to about 2,500,000 gallons : this is largely due to the fact that meters are coming into more general use. Could a system of meter measurement be adopted whereby every gallon of water used in the city could be so measured, I am of the opinion that it would put the question of an additional supply some years ahead, and

TABLE—Showing the Daily Condition of Lynde Brook Reservoir Supply, for the year ending December 1, 1879, and the Rain-fall during that period.

Date.	1878. DECEMBER.		1879. JANUARY.		FEBRUARY.		MARCH.		APRIL.		MAY.		JUNE.		JULY.		AUGUST.		SEPTEMBER.		OCTOBER.		NOVEMBER.		REMARKS.
	Water.	Rain-Fall.	Water.	Rain-Fall.	Water.	Rain-Fall.	Water.	Rain-Fall.	Water.	Rain-Fall.	Water.	Rain-Fall.	Water.	Rain-Fall.	Water.	Rain-Fall.	Water.	Rain-Fall.	Water.	Rain-Fall.	Water.	Rain-Fall.	Water.	Rain-Fall.	
1	5' 9 $\frac{1}{4}$ "		0' 7"		1' 6 $\frac{1}{4}$ "		+ 0' 4 $\frac{3}{4}$ "		+ 0' 6 $\frac{1}{2}$ "		+ 0' 10 $\frac{1}{4}$ "		+ 0' 11 $\frac{1}{2}$ "		1' 2"		3' 0 $\frac{3}{4}$ "	.19	3' 11"		5' 10 $\frac{3}{4}$ "		8' 8 $\frac{1}{4}$ "		Rainfall for the year ending December 1st, 1879, 35 96-100 inches.
2	5' 9 $\frac{1}{4}$ "	1.26	0' 7"	.16	1' 6 $\frac{1}{4}$ "		+ 0' 5 $\frac{1}{2}$ "		+ 0' 4 $\frac{3}{4}$ "		+ 0' 9 $\frac{1}{4}$ "		0' 0 $\frac{1}{2}$ "		1' 3"		3' 1 $\frac{1}{2}$ "		4' 0 $\frac{1}{2}$ "	.	5' 11 $\frac{1}{4}$ "		8' 9 $\frac{1}{2}$ "		
3	4' 10 $\frac{3}{4}$ "		0' 7 $\frac{3}{4}$ "		1' 6 $\frac{3}{4}$ "		+ 0' 4 $\frac{3}{4}$ "		+ 0' 4"	.08	+ 0' 8 $\frac{1}{2}$ "		0' 0 $\frac{3}{4}$ "	.70	1' 3 $\frac{3}{4}$ "	.11	3' 2 $\frac{1}{4}$ "	.01	4' 1 $\frac{1}{2}$ "		6' 1"		8' 10 $\frac{1}{4}$ "	.63	
4	4' 7 $\frac{1}{4}$ "	.28	0' 8 $\frac{1}{4}$ "		1' 7 $\frac{1}{4}$ "		+ 0' 4 $\frac{1}{4}$ "		+ 0' 3 $\frac{3}{4}$ "		+ 0' 8 $\frac{1}{2}$ "		+ 0' 0"	.10	1' 4 $\frac{1}{4}$ "	.68	3' 3 $\frac{1}{4}$ "		4' 1 $\frac{1}{4}$ "	.75	6' 1 $\frac{3}{4}$ "		8' 10 $\frac{3}{4}$ "		
5	4' 4 $\frac{3}{4}$ "		0' 8 $\frac{3}{4}$ "		1' 7 $\frac{3}{4}$ "	.21	+ 0' 4 $\frac{1}{4}$ "		+ 0' 3 $\frac{1}{4}$ "		+ 0' 8 $\frac{1}{2}$ "		0' 0 $\frac{1}{4}$ "		1' 4 $\frac{1}{4}$ "		3' 4 $\frac{1}{4}$ "		4' 1 $\frac{1}{4}$ "		6' 3 $\frac{3}{4}$ "		8' 11 $\frac{3}{4}$ "	.10	
6	4' 3 $\frac{1}{4}$ "		0' 9"		1' 8 $\frac{1}{4}$ "		+ 0' 4 $\frac{1}{4}$ "	.41	+ 0' 2 $\frac{3}{4}$ "		+ 0' 7 $\frac{3}{4}$ "	.13	0' 00"	.06	1' 5"		3' 5 $\frac{1}{4}$ "		4' 2"		6' 4 $\frac{1}{4}$ "		9' 1"		
7	4' 3 $\frac{1}{4}$ "		0' 9 $\frac{1}{4}$ "		1' 8 $\frac{1}{4}$ "		+ 0' 4 $\frac{1}{4}$ "		+ 0' 2 $\frac{3}{4}$ "		+ 0' 7 $\frac{3}{4}$ "		0' 0 $\frac{3}{4}$ "		1' 5 $\frac{1}{2}$ "		3' 7 $\frac{1}{4}$ "		4' 3"		6' 5 $\frac{1}{4}$ "		9' 2 $\frac{1}{4}$ "		
8	4' 3 $\frac{1}{4}$ "		0' 10 $\frac{1}{4}$ "		1' 8 $\frac{1}{2}$ "		+ 0' 3 $\frac{1}{2}$ "		+ 0' 2 $\frac{3}{4}$ "		+ 0' 7 $\frac{1}{4}$ "		0' 1 $\frac{3}{4}$ "		1' 6"	.44	3' 4"	.18	4' 3 $\frac{1}{2}$ "	.18	6' 6 $\frac{1}{4}$ "		9' 2 $\frac{3}{4}$ "		
9	4' 3 $\frac{1}{2}$ "	.96	0' 10 $\frac{1}{2}$ "		1' 9"	.02	+ 0' 3"	.11	+ 0' 3 $\frac{1}{4}$ "		+ 0' 7 $\frac{1}{4}$ "		0' 3"		1' 6 $\frac{1}{2}$ "		3' 8 $\frac{1}{4}$ "		4' 4"		6' 7 $\frac{3}{4}$ "		9' 3"		
10	4' 2"	1.85	0' 10 $\frac{1}{2}$ "	.60	1' 9 $\frac{3}{4}$ "		+ 0' 2"		+ 0' 4 $\frac{1}{4}$ "		+ 0' 7"		0' 4"	.59	1' 7 $\frac{1}{2}$ "		3' 9 $\frac{3}{4}$ "		4' 5 $\frac{1}{4}$ "		6' 9"		9' 3"		
11	1' 10"		0' 11"		1' 10 $\frac{1}{2}$ "	1.50	+ 0' 3 $\frac{1}{2}$ "	.03	+ 0' 6 $\frac{1}{4}$ "		+ 0' 6 $\frac{1}{2}$ "		0' 3"		1' 8"	.33	3' 10 $\frac{3}{4}$ "		4' 6"		6' 10 $\frac{1}{4}$ "		9' 3"		
12	1' 4 $\frac{1}{4}$ "		0' 10 $\frac{3}{4}$ "		1' 2 $\frac{1}{4}$ "	.01	+ 0' 5 $\frac{1}{2}$ "		+ 0' 6 $\frac{1}{2}$ "		+ 0' 6 $\frac{1}{4}$ "		0' 3 $\frac{1}{4}$ "	.03	1' 8 $\frac{1}{2}$ "		4' 0 $\frac{1}{4}$ "		4' 7"		6' 11 $\frac{1}{4}$ "	.07	9' 3 $\frac{1}{4}$ "		
13	1' 2 $\frac{1}{4}$ "		0' 11 $\frac{1}{4}$ "		0' 1 $\frac{3}{4}$ "		+ 0' 5 $\frac{1}{2}$ "		+ 0' 5 $\frac{1}{2}$ "		+ 0' 5 $\frac{1}{2}$ "		0' 4"		1' 9 $\frac{1}{4}$ "		4' 1"		4' 7 $\frac{3}{4}$ "		7' 0"		9' 3 $\frac{3}{4}$ "	.20	
14	1' 1 $\frac{1}{4}$ "		0' 11 $\frac{1}{2}$ "		0' 0 $\frac{1}{4}$ "		+ 0' 5 $\frac{1}{2}$ "		+ 0' 4 $\frac{3}{4}$ "		+ 0' 5 $\frac{1}{2}$ "		0' 5 $\frac{1}{2}$ "		1' 10 $\frac{1}{4}$ "		4' 2 $\frac{1}{2}$ "	.19	4' 8 $\frac{3}{4}$ "	.49	7' 0 $\frac{1}{2}$ "		9' 4 $\frac{3}{4}$ "		
15	0' 10 $\frac{3}{4}$ "	.20	1' 00"		0' 0 $\frac{1}{2}$ "		+ 0' 5"		+ 0' 6 $\frac{1}{4}$ "	.29	+ 0' 5 $\frac{1}{4}$ "		0' 5 $\frac{3}{4}$ "	.61	1' 11 $\frac{1}{4}$ "		4' 3 $\frac{1}{4}$ "		4' 8 $\frac{3}{4}$ "		7' 2"		9' 5 $\frac{1}{2}$ "	.10	
16	0' 10 $\frac{1}{4}$ "		1' 1"	.45	0' 0 $\frac{1}{2}$ "		+ 0' 4 $\frac{3}{4}$ "		+ 0' 8 $\frac{1}{4}$ "		+ 0' 4 $\frac{3}{4}$ "	.50	0' 4 $\frac{3}{4}$ "	.06	2' 0"	.68	4' 4 $\frac{1}{4}$ "	.56	4' 9 $\frac{1}{4}$ "	.02	7' 3 $\frac{1}{4}$ "		9' 5 $\frac{1}{4}$ "		
17	0' 9 $\frac{3}{4}$ "		1' 0 $\frac{3}{4}$ "		0' 0 $\frac{1}{2}$ "		+ 0' 4 $\frac{3}{4}$ "		+ 0' 9 $\frac{1}{4}$ "	.15	+ 0' 5 $\frac{3}{4}$ "	.01	0' 4 $\frac{3}{4}$ "		2' 0 $\frac{1}{2}$ "		4' 4 $\frac{1}{4}$ "	.17	4' 10 $\frac{1}{4}$ "		7' 4 $\frac{1}{4}$ "		9' 6 $\frac{1}{4}$ "		
18	0' 9 $\frac{3}{4}$ "		1' 1 $\frac{1}{4}$ "	.05	0' 0 $\frac{1}{2}$ "	.15	+ 0' 4 $\frac{3}{4}$ "		+ 0' 11 $\frac{1}{4}$ "	1.40	+ 0' 6"		0' 5 $\frac{3}{4}$ "		2' 1 $\frac{1}{4}$ "	.19	4' 4 $\frac{3}{4}$ "	3.55	4' 11 $\frac{3}{4}$ "		7' 5 $\frac{3}{4}$ "		9' 7 $\frac{1}{4}$ "	.54	
19	0' 10"		1' 1 $\frac{1}{4}$ "		0' 0 $\frac{1}{2}$ "		+ 0' 3 $\frac{3}{4}$ "		+ 0' 7 $\frac{3}{4}$ "		+ 0' 5 $\frac{1}{2}$ "	.92	0' 6"		2' 2"		3' 6 $\frac{1}{4}$ "		4' 11 $\frac{3}{4}$ "		7' 6 $\frac{1}{4}$ "	.31	9' 7"		
20	0' 10"		1' 1 $\frac{1}{2}$ "		0' 1"	.05	+ 0' 3 $\frac{3}{4}$ "		+ 0' 6 $\frac{3}{4}$ "		+ 0' 8 $\frac{1}{4}$ "		0' 7 $\frac{1}{4}$ "		2' 3"		3' 3"		5' 0 $\frac{1}{2}$ "		7' 7 $\frac{1}{2}$ "		9' 7 $\frac{1}{2}$ "	.06	
21	0' 10"	1.23	1' 1 $\frac{1}{2}$ "	.02	0' 1 $\frac{1}{2}$ "		+ 0' 1 $\frac{1}{2}$ "		+ 0' 7 $\frac{1}{4}$ "	.15	+ 0' 8 $\frac{1}{4}$ "	.04	0' 7 $\frac{3}{4}$ "		2' 3 $\frac{1}{2}$ "		3' 3"		5' 1 $\frac{1}{2}$ "		7' 8 $\frac{3}{4}$ "		9' 8 $\frac{3}{4}$ "		
22	0' 7 $\frac{3}{4}$ "		1' 3"		0' 2"	.64	+ 0' 2 $\frac{3}{4}$ "	1.03	+ 0' 6 $\frac{1}{4}$ "		+ 0' 7 $\frac{3}{4}$ "		0' 8"		2' 5 $\frac{1}{4}$ "		3' 3 $\frac{1}{2}$ "	.09	5' 2 $\frac{1}{2}$ "		7' 10"		9' 9 $\frac{3}{4}$ "		
23	0' 4 $\frac{3}{4}$ "		1' 3 $\frac{1}{2}$ "	.03	0' 1 $\frac{1}{2}$ "		+ 0' 3"		+ 0' 5 $\frac{1}{4}$ "		+ 0' 7 $\frac{3}{4}$ "		0' 9 $\frac{1}{4}$ "		2' 6 $\frac{1}{4}$ "	.20	3' 4 $\frac{3}{4}$ "		5' 4"		7' 10 $\frac{1}{4}$ "	.22	9' 11"		
24	0' 4 $\frac{3}{4}$ "		1' 4"		0' 2 $\frac{3}{4}$ "		+ 0' 4 $\frac{1}{4}$ "		+ 0' 5 $\frac{1}{4}$ "		+ 0' 6 $\frac{1}{4}$ "		0' 10 $\frac{1}{4}$ "		2' 6 $\frac{3}{4}$ "		3' 4 $\frac{3}{4}$ "		5' 4 $\frac{1}{2}$ "	.28	7' 11 $\frac{1}{2}$ "		10' 0"		
25	0' 4 $\frac{1}{4}$ "		1' 3 $\frac{3}{4}$ "		0' 3 $\frac{1}{4}$ "	.46	+ 0' 4 $\frac{1}{4}$ "		+ 0' 4 $\frac{1}{4}$ "	.17	+ 0' 6"		0' 10 $\frac{3}{4}$ "		2' 8 $\frac{1}{4}$ "		3' 6"	.35	5' 5"		8' 1"		10' 1"		
26	0' 5 $\frac{1}{4}$ "		1' 4"		0' 3 $\frac{1}{4}$ "	.56	+ 0' 6 $\frac{1}{4}$ "		+ 0' 4 $\frac{1}{4}$ "		+ 0' 5 $\frac{1}{2}$ "		0' 11 $\frac{1}{4}$ "		2' 9"	1.20	3' 5 $\frac{1}{2}$ "		5' 5 $\frac{1}{2}$ "		8' 2"		10' 2 $\frac{1}{4}$ "		
27	0' 5 $\frac{1}{4}$ "		1' 4 $\frac{1}{4}$ "	.03	+ 0' 1 $\frac{1}{2}$ "		+ 0' 6 $\frac{3}{4}$ "	.90	+ 0' 5"	.04	+ 0' 5"		1' 0 $\frac{3}{4}$ "	.03	2' 8 $\frac{1}{2}$ "	.05	3' 6 $\frac{1}{4}$ "		5' 7"		8' 3"		10' 3 $\frac{1}{4}$ "		
28	0' 5 $\frac{1}{4}$ "		1' 5 $\frac{1}{4}$ "		+ 0' 3 $\frac{3}{4}$ "		+ 0' 6 $\frac{1}{4}$ "		+ 0' 6"		+ 0' 4 $\frac{3}{4}$ "		1' 2"	.23	2' 8 $\frac{1}{2}$ "		3' 7 $\frac{1}{4}$ "		5' 7 $\frac{3}{4}$ "		8' 4 $\frac{1}{4}$ "	.25	10' 4"	.70	
29	0' 5 $\frac{3}{4}$ "		1' 6 $\frac{1}{4}$ "		+ 0' 5"		+ 0' 5 $\frac{1}{2}$ "		+ 0' 7 $\frac{3}{4}$ "	.45	+ 0' 3 $\frac{1}{2}$ "		1' 2 $\frac{1}{2}$ "	.61	2' 9"		3' 8 $\frac{1}{4}$ "		5' 9"		8' 4 $\frac{1}{2}$ "		10' 2 $\frac{1}{4}$ "	.04	
30	0' 6"	.04	1' 6"		+ 0' 6 $\frac{1}{4}$ "		+ 0' 6 $\frac{1}{4}$ "	.56	+ 0' 9 $\frac{1}{2}$ "	.30	+ 0' 3"		1' 2"		2' 10 $\frac{3}{4}$ "		3' 9 $\frac{1}{4}$ "		5' 9 $\frac{3}{4}$ "		8' 5 $\frac{1}{4}$ "		10' 0 $\frac{3}{4}$ "		
31	0' 6 $\frac{1}{2}$ "		1' 5 $\frac{1}{2}$ "		+ 0' 9"		+ 0' 9"	.03	+ 0'		+ 0' 1 $\frac{1}{2}$ "				2' 11 $\frac{1}{2}$ "		3' 10"				8' 6 $\frac{1}{2}$ "				
Totals.	5.82		1.34		3.0		3.22		3.67		1.64		3.06		3.88		5.29		1.72		.95		2.37		

The Elevation of water shows the distance of the surface below the Rollway in feet and inches, except when the plus (+) sign is used, which indicates the height of water above the Rollway.

The Rain-Fall is in inches and decimals of an inch.



would be a great saving of money to the city. Unless this is done steps will have to be taken in the near future to get an additional supply. One season of drought would reduce us to the necessity of pumping, which would be a serious inconvenience and expense to the city. That water is now wasted in large quantities no one can deny. Our present daily consumption is about 50 gallons for each person, while Fall River, Providence, R. I., and Milwaukee, Wis., and other cities that have a system of meter measurement, use 30 gallons and under per day for each inhabitant. The question naturally arises, how can we reduce this waste here? I think the answer is, by the adoption of a system of meter measurement, allowing no water to be used unless so measured. This method has been eminently successful in other cities, and I can see no reason why it cannot be made a success here.

The condition of the supply in the Lynde Brook reservoir for each day in the year, ending December 1st, 1879, is given in the accompanying table.

Thanking the Committee and the officers of the Water Department for their uniform courtesy, I most respectfully submit this report.

C. A. ALLEN,

*City Engineer.*

WORCESTER, Dec. 1st, 1879.



# REPORT

## OF THE

# WATER REGISTRAR.

---

*To the Joint Standing Committee on Water :*

GENTLEMEN:—I respectfully present the following report for the year ending November 30th, 1879.

There were one hundred and ninety (190) applications for water received during the past year, of which number all but nine were granted, and the service pipes laid.

Bills for water were rendered the City Treasurer for collection, as follows :

For <i>Metered Water</i> ,	6,319	amounting to	\$57,040	27
“ <i>Annual Rates</i> ,	2,930	“	“	19,930 52
Total,				
	9,249		\$76,970	79

The water was shut off from the premises of sixty-five (65) takers, on account of over-due unpaid bills for water and labor furnished, and immediately turned on in cases of settlement. The number of places from which water remains shut off is nine.

Abatements amounting to \$3,839.39 were made, owing to change of bills from rate to meter, on account of vacant tenements, for correction of assessments and for transfer, and in accordance with orders of the Committee.

The quantity of metered water consumed during the twelve

months ending September 30th, inclusive of waste and leakage, was as follows :

From October, 1878, to April, 1879, 128,599,842 gallons.

“ April, 1879, to October, 1879, 136,850,449 “

Total, 265,450,261 “

### METERS.

During the year, five hundred and eleven (511) meters have been placed upon the works, and the total number in use at the present time is thirty-four hundred and sixty-five, (3,465) the sizes and kinds of which are given below :

KINDS.	SIZES.								
	5-8	3-4	1 in.	1½ in.	2 in.	3 in.	4 in.	6 in.	8 in.
<i>Union (Piston) .....</i>	1491	297	59	9	20	1	1	—	—
<i>Union (Rotary).....</i>	792	23	9	11	17	1	1	1	1
<i>Desper .....</i>	674	34	2	—	—	—	—	—	—
<i>Gem .. .....</i>	14	—	1	—	1	—	3	—	—
<i>Worthington.....</i>	—	2	—	—	—	—	—	—	—

The rain-fall during the last year was much less than in former years. The quantity of water at present stored in the Lynde Brook Reservoir is 27.72 feet or 347,750,779 gallons. At a corresponding date of last year there was 36.60 feet or 649,775,667 gallons, an excess of 300,024,888 gallons.

To the large number of meters upon our works, I think we can largely attribute our present supply of stored water. The unusually dry season, with excessive wastes and leakages, would probably have forced the Department to the resort of pumping to meet the requirements of the city.

### REVENUE..

The amount of revenue actually received from the sale of water the past year was \$73,149.40. The sum is larger than

was anticipated, as the additional number of bills by meter rate warranted a less income than the annual rate assessments. All bills for water, which were strictly due on the first day of June last, have been settled, a fact which is worthy of mention. The amount appropriated for *Sinking Funds* from the receipts for water rates the past year was \$39,123.49.

#### REMARKS.

The opinions, conundrums, arguments and questions offered on the subject of water supply, tariff to be charged, quantity allowed each taker, the construction of reservoirs, etc., etc., are so varied that few persons agree except on the subject of an ample supply. The theory that fifteen or twenty gallons of water per capita daily is sufficient, is met by the experience of cities which were allowed that quantity till sanitary measures demanded more. I have in mind persons who smiled over their economy in the use of water, when subsequently the payment of a bill for removal of obstructions in their sewer pipes, changed the character of the smile. Judging from the appearance of some individuals, twenty gallons of water would suffice for a year, but the majority of our takers do not relish the thought of being stinted in the use of water. A city is fortunate, indeed, in possessing a reservoir capable of furnishing an abundance of water to its citizens at a moderate price, and any outlay of money for such a purpose is the safest and best investment which can be made, resulting in a blessing to all who desire a benefit therefrom.

Respectfully submitted,

J. STEWART BROWN,

*Registrar.*

WORCESTER, December 20th, 1879.

# WORCESTER SCHOOLS.

*EXTRACT FROM THE MAYOR'S INAUGURAL ADDRESS.*

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## SCHOOLS.

Our Common School system has been fostered by the State from its foundation. It is so interwoven with our system of government, and forms so important a factor in it, that the one is dependent upon the other. The very foundation of our Republic rests upon the idea of general intelligence among the people. Man as an individual stands for something under our civilization. Formerly he was accounted as nothing, compared with the welfare of the State. The theory now is exactly reversed, and the State claims to have the tenderest interest in the welfare of each and every one — the poor and the rich alike. Most people believe that a well stored mind is the pearl of great price, and that the best legacy we can leave our children is a good education.

The School Board is a distinct part of the City Government, elected by, and directly answerable to the people, like ourselves, and wholly responsible for the judicious expenditure of the largest item of our annual appropriations. It is our duty to understand the exact relation existing between us and this board, and to cheerfully furnish the means necessary to carry on its important work without embarrassment. It is the duty of that board to judge of the necessity of more school accommodations, and no school house can be built or materially altered without its approval of the location and plans. While that body, therefore, has well-defined functions, and is, within its appropriate sphere,

not accountable to the City Council, there is no need of the least want of harmony, since all are working for a common end — the good of the city.

During the past year there is every reason to believe that the schools have been economically and successfully conducted. The expenditures of the present year will of necessity be somewhat larger on account of the greater number of pupils, the consequent increase of the teaching force, and the rise in labor and materials. The number of children of school age has, for the past two or three years, increased by about four hundred annually. Last year one school house was built on Grafton street, and the year before one on Winslow street, each of these accommodating about two hundred pupils, or one-half the increase for those years respectively. For several years previous, no new houses were built. One of our first duties will be to consider the propriety of more school accommodations in the vicinity of Oxford street and Edgeworth street, concerning which, communications from the School Board have been referred to you by the last City Government.

The expenditures of this Department last year were \$142,-070.72, and are classified as follows :

Cost of Instructors.....	\$133,242 34
Repairs of Houses and Furniture.....	5,017 96
	<hr/>
	\$138,260 00
The Day Schools cost.....	\$135,367 85
And the Evening Schools, and the Free Evening	
Drawing Schools.....	2,892 15
	<hr/>
	\$138,260 00
Permanent Improvements in School Houses,	\$1,207 79
Rents for extra School Rooms, and Sup't's	
Office....	1,630 00
	<hr/>
	\$2,837 79
Premium on Insurance Policies, etc....	972 93
	<hr/>
Total,	\$142,070 72

The whole number of pupils registered in the day schools last year was 10,029; in evening schools, 811; average number belonging to day schools, 7,745; to evening schools, 293.

The cost per scholar, reckoned on the average number attending, was in Day Schools, \$17.47; in Evening Schools, \$5.03.

The number of teachers employed in Day Schools was 200; number in Evening Schools, 27.

The following table will show the number of pupils in school at the close of each term, Winter, Spring, Summer and Fall, from 1873 to 1879, inclusive:

NUMBER OF PUPILS AT THE CLOSE OF EACH TERM IN THE YEARS 1873-79.

				1873	1874	1875	1876	1877	1878	1879	Incr'e '78 to '79.
End of Winter term about Feb. 15				..	6492	6394	6781	6917	7203	7724	521 Feb.
"	Spring	"	Apr. 30	..	6414	6438	6851	6852	7307	7662	355 Apr.
"	Summer	"	June 30	5950	6266	6400	6751	6810	7422	7716	294 June.
"	Fall	"	Nov. 30	6562	6729	7037	7134	7348	7873	8159	286 Nov.



ORGANIZATION OF THE SCHOOL COMMITTEE  
OF THE  
CITY OF WORCESTER,  
SEPTEMBER, 1879.

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CHARLES B. PRATT, *President*.

ALBERT P. MARBLE, *Sup't and Sec'y*.

464 MAIN STREET.

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Members whose term expires  
January, 1882.

EDWARD H. HALL,  
CHARLES M. LAMSON,  
JAMES P. TUIITE,  
JOHN B. COSGROVE,  
JOHN TIMON,  
ALZIRUS BROWN,  
JOSEPH M. BASSETT,  
GEORGE SWAN.

Members whose term expires  
January, 1881.

CALEB B. METCALF,  
ANNE B. ROGERS,  
TIMOTHY H. MURPHY,  
JEREMIAH MURPHY,  
JAMES K. CHURCHILL,  
FRANCIS P. GOULDING,  
EDWIN T. MARBLE,  
RUFUS WOODWARD.

Members whose term expires  
January, 1880.

THOMAS J. HASTINGS,  
SARAH B. EARLE,  
JAMES P. KELLEY,  
THOMAS J. CONATY,  
RICHARD O'FLYNN,  
FRANKLIN B. WHITE,  
THOMAS E. ST. JOHN,  
E. B. STODDARD.

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## STANDING COMMITTEES.

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ON SCHOOL HOUSES.—Messrs. Brown, J. Murphy, Timon, Kelley and Marble.

ON BOOKS AND APPARATUS.—Mr. Stoddard, Mrs. Earle, Messrs. St. John, O'Flynn and Tuite.

ON TEACHERS.—Superintendent *ex-officio*, and Messrs. Metcalf, Conaty, Goulding, Woodward and Lamson.

ON FINANCE.—The Mayor *ex-officio*, Messrs. White, Hastings, Bassett, Churchill, and Swan.

ON APPOINTMENTS.—Superintendent *ex-officio*, Mr. Hall, Mrs. Rogers, Messrs. T. H. Murphy, St. John and Cosgrove.

The Committees of Visitation shall exercise a general supervision over the schools to which they are severally assigned, and shall visit them according to the provisions of the statutes, not less than once in four weeks, and generally during the week preceding the monthly meeting of the Board, at which they shall report their condition.—[Rules, Chap. 3, Sec. 6.]

Though each school is assigned to a special committee, yet every member of the Board shall consider it his duty to watch over all the public schools of the city, to attend their examinations, and visit them at other times as his convenience will permit.—[Sec. 7.]

## VISITING COMMITTEES.

### HIGH SCHOOL.

<i>Committee.</i>	<i>Teachers.</i>
STODDARD.	
Conaty, . . . . .	{ Samuel Thurber, Principal.
	{ Alfred S. Roe.
Metcalf, . . . . .	{ Walter C. Hill.
	{ A. Carey Field.
Goulding, . . . . .	{ John F. Jameson.
	{ Edwin T. Painter.
Lamson, . . . . .	{ Florence V. Beane.
	{ Mary A. Parkhurst.
St. John, . . . . .	{ Kate M. Sanderson.
	{ Mary E. Colvin.
Tuite, . . . . .	{ Josephine L. Sanborn.
	{ William D. Mackintosh.
Mrs. Rogers, . . . . .	{ Nellie M. White.

The ROMAN NUMERALS designate the ROOMS to which members of committees are especially assigned, and the GRADES according to the course of study.\*

### BELMONT STREET.

<i>Committee.</i>	<i>Teachers.</i>	<i>Grade.</i>
St. John,	Arthur G. Lewis, Principal.....	IX.
"	Emma C. McClellan, Asst.....	
"	Mary H. Warren .....	VIII.
"	Sarah L. Phillips .....	VII.
Mrs. Rogers,	Tirzah S. Nichols.....	VI.
"	Jennie L. Dearborn.....	VI.
"	Abbie J. Reed.....	V.
"	Esther G. Chenery.....	IV.
Tuite,	Mary T. Gale. ( <i>Marion C. Tucker.</i> ).....	III.
"	Carrie P. Townsend.....	II.
"	Jennie A. Whitney.....	II-I.
"	Anna B. Hopkins.....	I.

<i>Committee.</i>	<i>Teachers.</i>	<i>Grade.</i>
DIX STREET.		
Marble,	William H. Bartlett, Principal.....	IX.
"	Clara Manley, Assistant.....	
"	Eldora M. Aldrich.....	VIII.
"	Josephine M. Wilson.....	VII.
Bassett,	Minnie Meade.....	VI.
"	Abbie N. Hoxie.....	V.
"	Susie W. Forbes.....	IV.
Cosgrove,	Esther B. Smith.....	III.
"	Alice W. Giddings.....	II.
"	Alice E. Johnson.....	II.
"	Annie D. Johnson.....	I.
WALNUT STREET.		
Mrs. Rogers,	Etta A. Rounds, Principal.....	VIII.
"	Nellie C. Thomas.....	VII.
"	Kate A. Meade.....	VI.
Conaty,	Caroline H. Metcalf.....	V.
"	Ella M. McFarland.....	V.
"	Eunie M. Gates. ( <i>Mary F. Harrington.</i> )....	IV.
WOODLAND STREET.		
J. Murphy,	Edward I. Comins, Principal.....	IX.
"	Annie C. Wyman, Assistant.....	
"	Ann S. Dunton.....	VIII.
"	Mary M. Lawton.....	VII.
Brown,	Janet Martin.....	VI.
"	Carrie R. Clements.....	V.
Churchill,	Martha T. Wyman.....	V-IV.
"	Sarah J. Melanefy.....	IV-III.
"	Maggie I. Melanefy.....	III.
White,	Amanda H. Davie.....	II.
"	Ella E. Goddard.....	I.
LAMARTINE STREET.		
Hastings,	Charles T. Haynes, Principal.....	
"	J. Chauncey Lyford.....	VII.
"	Mary A. Harrington.....	VI.
"	Josie M. Ware.....	V.
Timon,	Louise A. Dawson.....	V.
"	Mary E. Kavanagh.....	IV.
"	Ellen T. Shannon.....	IV.
"	Ida A. Tew.....	III.
Stoddard,	F. Belle Perry.....	III.
"	Mary E. Murphy. ( <i>Mary E. Fay.</i> ).....	II.
"	Mary A. Egan.....	I.
"	Anna M. Murray.....	I.
WASHINGTON STREET.		
Kelley,	Charles T. Haynes, Principal.....	IX.
"	Amanda M. Phillips, Assistant.....	
"	M. Ella Spalding. ( <i>Mary E. Houghton.</i> )....	VIII.

<i>Committee.</i>	<i>Teachers.</i>	<i>Grade.</i>
LEDGE STREET.		
Mrs. Earle,	Charles C. Woodman, Principal.....	IX.
"	Margaret M. Geary, Assistant.....	
"	Olive G. Davis.....	VIII.
"	Maria P. Cole.....	VII.
"	Eliza E. Cowles.....	VII.
O'Flynn,	Emma L. Cowles.....	VI.
"	Kate A. McCarthy.....	VI-V.
"	Alice G. McMahon.....	V.
"	Frances M. Athy.....	IV.
Goulding,	Mary E. D. King.....	III.
"	Mary V. Callaghan.....	II.
"	Belle H. Crowell.....	II-I.
"	Fanny A. Williams.....	I.
THOMAS STREET,		
Woodward,	Harriet G. Waite, Principal.....	VIII-VII.
"	Anna J. Hitchcock, Assistant.....	
"	Abbie C. Souther.....	VI.
"	S. Lizzie Wedge.....	V.
Hall,	Belle H. Tucker.....	V.
"	Mary E. Fitzgerald.....	IV.
"	Abbie F. Hemenway.....	IV.
T. H. Murphy,	Hattie W. Bliss. ( <i>Emma Buckley</i> ).....	III.
"	Flora J. Osgood.....	II.
"	Ella A. Casey.....	II-I.
"	Nellie B. Webber.....	I.
SYCAMORE STREET.		
Hall,	Abbie E. Clough, Principal.....	VIII.
"	M. Louise Rice.....	VII.
"	A. Teresa Timon.....	VI.
"	Susie A. Partridge.....	V.
Churchill,	Hattie S. Hagen.....	IV.
"	Sarah W. Clements.....	III.
"	Ida A. E. Kenney.....	II.
"	Eliza J. Day.....	I.
EAST WORCESTER.		
T. H. Murphy,	Ella W. Foskett, Principal.....	VI.
"	Minnie W. Sherman, Assistant.....	
"	Annie Brown.....	V.
"	Mary E. C. Carroll.....	V.
St. John,	Addie J. Booth.....	IV.
"	Julia A. Bunker.....	IV.
"	Kate C. Cosgrove.....	III.
Metcalf,	Aloysia Radcliffe.....	III.
"	Mary E. Russell.....	II.
"	Mary J. O'Connor.....	I.
"	Mary R. Doherty.....	I.

<i>Committee.</i>	<i>Teachers.</i>	<i>Grade.</i>
PROVIDENCE STREET.		
Conaty,	L. Elizabeth King, Principal .....	VI.
"	Sarah J. Newton.....	V.
"	Evelyn E. Towne .....	IV.
Woodward,	Nellie A. Sprout.....	IV.
"	Adeliza Perry .....	III.
"	Anna M. Overend.....	III.
Swan,	S. Cornelia Chamberlin.....	II.
"	Ella J. Lyford .....	I.
GRAFTON STREET.		
Tuite,	Bridget T. Carlon, Principal.....	II.
"	Carrie M. Adams .....	I.
ASH STREET.		
Swan,	Mary J. Mack, Principal .....	VI.
"	Mary McGown.....	V.
"	Mattie A. Collins .....	IV.
Kelly,	Libbie H. Day.....	III.
"	Sarah A. Boyd.....	II.
"	Kate A. Coughlin.....	I.
GREEN STREET.		
O'Flynn,	Mary J. Packard, Principal.....	VII.
"	Margaret J. McCann.....	II.
"	Kate A. McLoughlin.....	I.
SOUTH WORCESTER.		
Bassett,	Carrie A. George, Principal.....	VIII.
"	Mary A. Tyler.....	VII.
"	Amelia M. Walker.....	VI.
"	Ellen M. Boyden .....	V.
Marble,	Alma A. Grow.....	V-IV.
"	Esther E. Travis, ( <i>Mary O. Whitney.</i> ).....	IV.
"	Lydia W. Ball.....	III.
Kelley,	Mary C. Paige.....	II.
"	Kate A. Fallon .....	I.
OXFORD STREET.		
Churchill,	Ella L. Dwyer, Principal.....	VI.
"	Mary L. Norcross, .....	IV.
"	Mary E. A. Hoyt .....	III.
Swan,	Emma J. Houghton .....	II.
"	Ella K. Morgan.....	I.
"	Mary F. Barker.....	I.
WINSLOW STREET.		
Metcalf,	Amy E. Hopson, Principal .....	VII.
"	Emily J. Herrick.....	V.
Hastings,	Lucy Lewisson .....	IV.
"	Hattie C. Howland.....	II.

<i>Committee.</i>	<i>Teachers.</i>	<i>Grade.</i>
SALEM STREET.		
O'Flynn,	Minnie F. Whittier, Principal . . . . .	VI.
"	Emma F. Marsh . . . . .	V.
"	Mary O. Whitmore . . . . .	IV.
Stoddard,	Emma I. Claffin . . . . .	III.
"	Effie J. Phelps . . . . .	II.
EDGEWORTH STREET.		
White,	Ella E. Roper, Principal . . . . .	VI.
"	Alice V. Proctor . . . . .	V.
"	Sarah M. Brigham . . . . .	IV.
Lamson,	Jennie E. Maloney . . . . .	III.
"	Addie E. Sprague . . . . .	II.
"	Addie E. Kendall . . . . .	I.
NEW WORCESTER.		
Goulding,	Charlotte H. Munger, Principal . . . . .	VIII-VII.
"	S. Lizzie Carter . . . . .	VI-V.
"	Josephine A. Hunt . . . . .	V-IV.
J. Murphy,	Ada E. Simonds . . . . .	III-II.
"	Lillian Paul . . . . .	I.
SUMMER STREET.		
Lamson,	Abbie A. Wells, Principal . . . . .	V.
"	Ella J. Moore . . . . .	IV.
"	Carrie F. Merriam . . . . .	III.
Hastings,	Mary A. Gauren . . . . .	II.
"	Lilla F. Upton . . . . .	I.
QUINSIGAMOND.		
Brown,	Mary S. Eaton, Principal . . . . .	VII-VI.
"	Helena M. Kalaher . . . . .	V-IV.
J. Murphy,	Edna Currier . . . . .	III-II.
"	Ella E. Hall . . . . .	II-I.
MASON STREET.		
Cosgrove,	Mary E. Pease, Principal . . . . .	III.
"	Effie L. Bennett . . . . .	I.
ADRIATIC.		
Timon,	Emma A. Porter, Principal . . . . .	IV.
"	Emma F. Brown . . . . .	III.
"	Anna M. Smith . . . . .	II.
"	Lizzie E. Chapin . . . . .	I.
"	Mary A. Rourke . . . . .	I.
UNION HILL.		
Mrs. Earle,	Mary A. Kean, Principal . . . . .	IV-III.
"	Etha M. Stowell . . . . .	II-I.



<i>Committee.</i>		<i>Teacher.</i>
	SUBURBAN.	
Metcalf, J. Murphy, Marble, Woodward, Mrs. Earle, Conaty, Hall, Cosgrove, Stoddard, St. John, White,	Northville, Tatnuck, Valley Falls, Trowbridgeville, Blithewood, Bloomingdale, Adams Square, Burncoat Plain, North Pond, Chamberlain, Lake View,	Eudora A. Dearborn. Mattie Howe. Eliza J. Seaver. Clara A. Grout. Arabell E. Burgess. Lizzie J. Andrews. Ellen M. Fitts. Minnie M. Parmenter. Elma L. Studley. Fanny R. Spurr. M. Rosalie Goddard.

## DRAWING.

Walter S. Perry, Teacher.

*Committee.*

Mrs. Rogers,      Marble,      Kelley,      Hall,      Hastings.

## MUSIC.

Seth Richards, Teacher.

*Committee.*

Metcalf,      Mrs. Earle,      Woodward,      Bassett,      Tuite.

## EVENING SCHOOLS.

*Committee.*

Marble,      Churchill,      Hastings,      Mrs. Earle,      Kelley.

# Superintendent's Report.

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*To His Honor the Mayor, and the School Board of Worcester :*

In conformity to your regulations, I submit the following as my Twelfth Annual Report; and by these regulations this report, which it is the duty of the Superintendent to prepare, becomes the report of the School Board to the public, and to the school authorities of the State.

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## ABSTRACT OF STATISTICS

FOR THE YEAR 1879.

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### I. POPULATION.

Population, Census of 1875, . . . . .	49,317
Estimated Population, . . . . .	55,000
Children between the ages of five and fifteen, May, 1879, . . . . .	9,827
Increase, . . . . .	421

### II. FINANCIAL.

Valuation, May, 1879, . . . . .	\$39,585,358 00
Decrease for the year, . . . . .	2,384,390 00
City debt, December, 1879, less Cash and Sinking Fund, . . . . .	2,355,163 64
State, county, and city tax, 1879, . . . . .	645,401 58
Rate of taxation, . . . . .	0156
Value of school houses and lots, . . . . .	843,517 00
Other school property, . . . . .	58,478 95
*Ordinary expenses of schools . . . . .	\$133,242 34
Per cent. of same to valuation, . . . . .	.0033
Per cent. of same to whole tax, . . . . .	.206
Repairs of school houses, furniture and stoves, . . . . .	5,017 66
	<hr/>
	\$138,260 00

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\*See detailed statement in Secretary's report.

Permanent improvements to school houses, . . . . .	\$857 07	
New furniture, etc., . . . . .	350 72	
Rents, . . . . .	1,630 00	
		<hr/>
		\$2,837 79
Expended for all purposes, . . . . .		\$141,097 79
Charged by the Auditor, in addition, . . . . .		568 25
Average cost per scholar for day schools, including ordinary repairs, . . . . .		17 47
Average cost per scholar for all schools, including ordinary repairs, . . . . .		16 61
Same last year, . . . . .	\$17 09	
Cost of Evening Schools, . . . . .		2,124 43
Average per scholar, . . . . .	4 52	
Cost of Evening Drawing Schools, . . . . .		767 72
Average per scholar, . . . . .	7 31	
Cost of High School, . . . . .		16,700 71
Increase, . . . . .	306 48	
Average per scholar, . . . . .	36 24	
Increase, . . . . .	47	

## III. SCHOOL HOUSES.

Number occupied December, 1879, . . . . .		36
Rooms, not including recitation rooms, . . . . .		179
Rooms rented, . . . . .		3
Drawing School rooms, recitation and Evening School rooms, additional, . . . . .		5
Whole number of sittings:		
In High School, . . . . .		502
Additional space for . . . . .	97	
Grammar Schools, Grades IX-VI, . . . . .		2,177
Grammar Schools, Grades V. and VI, . . . . .		2,334
Primary Schools, Grades III, II, and I, . . . . .		3,757
Suburban Schools, . . . . .		439

## IV. SCHOOLS.

High School, twelve rooms, . . . . .		1
Grammar rooms, Grades IX-VI, . . . . .	45	
Grammar rooms, Grades V-IV, . . . . .	48	
Primary rooms, Grades III, II, I, . . . . .	68	
Suburban Schools, . . . . .		11
Northville, Tatnuck, Valley Falls, Trowbridgeville, Blithewood, Bloom- ingdale, Adams Square, Burncoat, North Pond, Chamberlain, Lake View. . . . .		
Evening Schools, . . . . .		6
Washington street for boys; Walnut street for girls; Dix street, Bel- mont street, Cambridge street and New Worcester, for both. . . . .		
Free Evening Drawing Schools, both sexes, . . . . .		4

## V. TEACHERS.

Male teachers in High School, . . . . .	7
Female teachers in High School, . . . . .	6
Male teachers in Grammar Schools, . . . . .	6

Female teachers in all grades below the High School, . . . . .	179
Special teacher of Music, male, . . . . .	1
Special teacher of Drawing, male, . . . . .	1
<hr/>	
Number of teachers in Day Schools, . . . . .	200
Graduates of the Worcester Training School, or of one of the State Normal Schools, . . . . .	107
Male teachers in Evening Schools, . . . . .	9
Female teachers in Evening Schools, . . . . .	15
Teachers in Free Evening Drawing Schools, male, . . . . .	3
Teachers in Free Evening Drawing Schools, female, . . . . .	1
<hr/>	
Whole number of teachers, . . . . .	228

## VI. PUPILS.

Number registered in Day Schools, . . . . .	10,029
Increase, . . . . .	431
In Evening Schools, . . . . .	677
In Free Evening Drawing Schools, . . . . .	134
<hr/>	
Number registered in all schools, . . . . .	10,840
Increase, . . . . .	598
Number over 15 years old, . . . . .	1,295
Decrease, . . . . .	44
Estimated number in this city in private schools here, (including 1,000 in St. John's Parochial,) . . . . .	1,200
Pupils in State Normal School, this city, . . . . .	115
Average number belonging to public schools, . . . . .	8,320
Increase, . . . . .	256
Average number belonging to Day Schools, . . . . .	7,745
Increase, . . . . .	59
Average daily attendance in Day Schools, . . . . .	7,170
Increase, . . . . .	46
Average daily absence, . . . . .	575
Decrease, . . . . .	87
Number at close of Fall term, 1878, . . . . .	7,873
At close of Winter term, 1878-9, . . . . .	7,724
Increase from last year, . . . . .	521
At close of Spring term, . . . . .	7,662
Increase, . . . . .	355
At close of Summer term, . . . . .	7,716
Increase, . . . . .	294
At close of Fall term, . . . . .	8,159
Increase, . . . . .	286
Per cent. of daily attendance to average number belonging, . . . . .	92.5
Decrease, . . . . .	.014
Number perfect in attendance the whole year, . . . . .	626
Increase, . . . . .	53
Perfect three terms, . . . . .	704
Perfect two terms, . . . . .	930
Perfect one term, . . . . .	1,884
Number registered in High School, . . . . .	662
Increase, . . . . .	53

Boys,		334
Increase,	28	
Girls,		328
Increase,	25	
Number at close of the year,		468
Decrease,	12	
Number of graduates, June, 1879,		63
Number left the school,		131
Increase,	6	
Average number belonging,		458
Average daily attendance,		441
Average daily absence,		17
Per cent. of daily attendance to average number belonging,	96.3	
Average age of pupils, December, 1879,		16.1
Average number of pupils to a regular teacher,		38

## REMARKS ON THE STATISTICS.

The population of the city is estimated at 55,000. The census of children between the ages of 5 and 15 years, taken as a basis, and compared with that for 1865, indicates a population of 60,000; while the average number of pupils belonging to the schools indicates a population of 57,000. It is probable, therefore, that the above estimate is too small.

The ratios of the ordinary expenses of the schools to the valuation, and to the entire city tax, are greater than the same ratios were last year, by one-fifth of one per cent. and nine-tenths of one per cent., respectively. The current or ordinary expenses of the schools, however, are greater by only \$929.80, though the numbers of pupils, of teachers, and of schools, have all increased. The greater ratio named above, is due to the decrease in the valuation, and in the amount raised by taxation.

Permanent improvements in school houses, new furniture, &c., are not included in the current expenses of the schools, since they belong no more to this than to any future year; the rents paid for school rooms and for the Superintendent's office, are also classed with the extraordinary expenses. The rent of a school room belongs no more to the yearly cost of schools than does the interest on the school houses and grounds; and the rent of the Superintendent's office ought properly to be included in the cost of maintaining a city hall, like other city offices.

The total expenditure for the year differs, by the sum of

\$568.25, from the same items in the Auditor's report. This amount is the premium paid for insurance of school houses, with which the school committee had nothing to do. It does not belong to the cost of schools for the past year. If a school house were destroyed by fire, the insurance would not be devoted to the current expenses of schools, but to the building of a new school house. That item of \$568.25 belongs to the appropriation for school houses. This explanation seems necessary, because the plan of charging to the schools what does not properly belong to them, makes the cost appear greater than it really is. The amount so charged was, in 1878, \$980.84; in 1877, \$1,689.58. It is noticeable, that when a portion of the school house lot, on the corner of Providence and Grafton streets, was appropriated for the site of an Engine house, no credit was given to either the appropriation for schools or to that for school houses. The market value of the land was some \$2,000.

The average cost per scholar has been \$16.61 against \$17.09 for the year 1878, and \$18.88 for 1877. This average cost includes the ordinary repairs, and is based upon the average number belonging to the schools—not the whole number registered—in both day and evening schools. The cost per scholar for the day schools only, is \$17.47, the evening schools being in session only about three months in the year.

The number of pupils registered in the day schools is greater than last year, by 431, an increase which is slightly above that which is shown by the census of children of school age, viz: 5 to 15 years. Nearly thirteen hundred pupils (1,295) are more than 15 years old. The average number belonging in the day schools is seventy-seven per cent. of the number registered, and seventy-nine per cent of the number of children of school age, in the city. These ratios are less than they were last year, by about three per cent. The ratio of daily attendance to the number of pupils belonging to school, is ninety-two and one-half (92.5.)

This ratio is a little too low; but it is truthful, we believe. In a city like this, a daily attendance of ninety-five per cent. of the pupils belonging to the schools, is as high a ratio as can



reasonably be expected. In exceptional localities, the ratio may be higher or lower. When, however, the attendance at school of eight or ten thousand pupils is stated at ninety-seven or ninety-eight per cent. of the whole, unless the conditions are unusual, we may suspect either that the record is not true, or that attendance at school has been forced, to the detriment of equal or greater interests.

The interest of a pupil in his school, and his progress in study, depend very much upon regularity in attendance. This is specially true where the teaching is good; for good teaching is largely oral. What may be learned in the higher grades from the study of books, is the skeleton merely; the symmetrical form of knowledge is secured by the help of the living teacher. All the links are needed to complete the chain, and these are lost more or less by the absent pupil. In the lower grades, the pupils cannot of themselves, acquire very successfully even the outline—the skeleton. The whole edifice of knowledge must be erected, and the whole process of development carried forward by the skillful teacher; and this requires the daily and constant presence of the pupil. Moreover, the habit of regular attention to duty, of unvarying daily work, of sticking close to the business in hand, and of not abandoning an undertaking till it is either finished or shown to be impossible—this habit is one of the most valuable of school acquirements. Such a habit can be formed only by going to school every day. It is pleasant to note that of the average number belonging, 7,745, there have been

Perfect in attendance the whole year,	626
“ “ three terms,	704
“ “ two terms,	930
“ “ one term,	1,884

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Making a total of	4,144
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more than one-half of the whole number. By impressing every child with the value of this habit of regular and persistent work, by which alone, success in life is possible, by making him sensible of the loss which he sustains by absence, and better still by

making the process of learning and mental growth so real, that it will be a pleasure to him—by all these means, it is the duty of teachers to secure constant attendance at school. The above figures show that such a work has been done and well done by our teachers. In some cases it has been admirably done; in others perhaps, not so well as it ought to have been.

On the other hand, there are occasions when it is the duty of pupils to remain away from school. School is important: but other things are also important. Health is more important than school. Family duties may require occasional absence. We must recognize the fact that the school is not the only factor in our civilization—a fact that will be discussed further on. The family has its part in the process of education; the church has its part; society has its important influence which we cannot ignore. All these, as well as the schools, have claims upon the children. The schools must not antagonize them, but co-operate with them. It is the part of a good teacher to know the circumstances of each pupil in his care, and encourage a necessary absence as well as discourage an unnecessary one. Reasonable absence, once in a while, is as creditable as attendance at school. In the one case the record should be made as cheerfully as in the other; for the record is not an end in itself. This remark seems to need repeating; for occasionally a teacher appears to be too anxious to show a clean record of attendance. Schools are not kept for the sake of marks of any kind. They aim at the best results for the pupils individually, not in the mass. The record of attendance alone does not show whether a school is good or bad; nor should any school be judged by that record, in ignorance of the causes that make it what it is.

#### SCHOOL HOUSES.

The necessity for more school rooms near the Providence street school house, compelled the hiring of two rooms in the old passenger station of the Providence & Worcester railroad on Green street, last year. This necessity had been pointed out early enough for a house to be built and ready for occupancy, when needed. It was not built; and those inconvenient and

expensive rooms were kept for school purposes, a year or more. At the end of this time the new house on Grafton street was ready for use. This house is in plan and structure similar to the Winslow street house, described in the school report for 1878. It accommodates about two hundred pupils, or one-half the increase for the year. There are about one hundred pupils in the old house on the same lot.

At the Oxford street school, the necessity for more room was recognized and made known, one year ago. The room was not provided. It became necessary, therefore, to hire the chapel on Pleasant street, opposite High street, at a cost of \$480.00 a year. Steps will be taken early in the year 1880, to enlarge the Oxford street school house; but it can not be finished till a year after it was wanted. At Edgeworth street, also, more room is at present required. It is hoped that no delay will be made in providing it.

The organization of schools and the distribution of pupils, is always a difficult task. This work is seriously impeded, and the schools suffer by lack of room, and by occupying new rooms in the middle of the year. It would be not only better for the schools, but much cheaper for the city, to build houses when the need is clearly foreseen. As these facts become better known, it is hoped that this policy will be adopted. For a number of years, school rooms have been partitioned off in attics, and basements have been occupied, till now there are no more attics to use. In each of the last two years, a house for two hundred pupils has been built. The increase of school children has been four hundred for each of those years. It is plain that such a plan will not meet the demands of the schools. Besides the houses alluded to above, a new house of one room has been built, and occupied at the settlement called Lake View, on the shore of Lake Quinsigamond.

The Adriatic school lot extends from Southgate street to Canterbury street; the house contains six rooms, and opens upon the first of these streets. Another house of the same size and upon the opposite end of the lot, will be needed by the end of the present year. Allusion was made to this prospective want, one year ago.

Before long, more room will be needed in the vicinity of Thomas street or Belmont street. The Providence street school house lot has been reduced in size, and a Fire Engine house located in front.

#### STEPS FORWARD.

Several progressive measures have been adopted during the year, from which good results are expected.

#### A SPECIAL TEACHER OF DRAWING

has been appointed. Early in the year 1869, drawing was introduced into the regular course of study for the public schools. This was before the State law was enacted which requires this among the common school studies, and before the general adoption of the study. In the following year Free Evening Drawing Classes were organized, in accordance with the law of 1869-70, which have continued ever since. But, though we were among the first in introducing this study, our results have not been the best. In the first place, we have not pursued steadily, any single plan. The system has been changed three or four times. The teacher has been changed as often. In the second place, there has been a misapprehension as to the nature of the study. It has been thought to be "ornamental"—mere picture making, such as drawing was a dozen or twenty years ago, as taught in young ladies' seminaries. All that has been said and reiterated on the subject, seems not to have obliterated this idea from the minds of some of our people. This most practical of all studies was introduced in response to a demand from the practical men. In its elementary stages, which only affect the Grammar and Primary schools, it has nothing to do with art, except as it lays the foundation for art, just as learning to read lays the foundation for business or professional life. It merely trains the eye to see and the hand to represent. It tends directly, as no other study does, to good artizanship; and it is directly useful in any future calling. In the more advanced stages, as in the High school, the study is optional. All this has been said before.

It needs to be repeated till everybody understands it; for, strangely enough, this one "practical" study was attacked, a year or two ago, as an "ornamental branch." The special teacher was dismissed, and the study was left to the chance interest of individual teachers. Fortunately, better counsels have now prevailed. At the beginning of the past year, an experienced and competent teacher was engaged; a regular and systematic course of instruction has been marked out, extending through the High school; a knowledge of teaching the subject is required of all teachers, and it is one of the subjects in which they are examined to obtain a certificate of qualification. Instruction is given by the special teacher, three times in four weeks, in all the schools from the third grade upwards, and once in four weeks in all the others, including the suburban schools. The regular teacher follows up the work, spending twenty minutes four times a week in the lower schools, and thirty minutes twice a week in the higher. The special teacher spends one hour a week with each class in the High school. As would naturally be expected, the results as shown at the end of the year, are quite satisfactory; and it is believed that no loss in the other studies has resulted. The free evening classes, thirty evenings each through the winter months, continue as in previous years. The most advanced free hand class has passed from the drawing of casts, to drawing from life.

#### SEMI-ANNUAL EXAMINATIONS

of candidates for teachers have been instituted. The first of these occurred in June; the second will be near the last of January. These examinations occupy two or three days each. They are both written and oral; and they cover not only the ordinary academic studies, such as are pursued in our schools, but also the professional studies ordinarily pursued in the State Normal schools, and some practical knowledge of teaching. The examination is open to all who are properly qualified. The last included the following subjects:

Personal History and opportunities for study; Arithmetic;



English Grammar; Geography; History, United States and General; School Hygiene; Psychology; Civil Government; Drawing; Music; Reading; Spelling; Writing. Many of the candidates, sometimes one-half or two-thirds, are graduates of the State Normal school; but any person of equal attainments has an equal chance with them. There is, indeed, no discrimination against Normal school graduates, and there is none in their favor. The teachers of those schools especially desire that their graduates should stand on merit alone; and this they are quite able to do.

The selection of teachers is the most important of school work. On them depends the character of the schools. They need not merely learning, but acquaintance with the art of teaching, which experience and professional training give, and tact, which comes largely by nature—though in this, even, nature can be reinforced by study, observation and experience. This second step forward, it is confidently expected will improve the character of our teaching.

#### SUPPLEMENTARY READING.

As early as 1873, it was observed here that pupils, in the lower grades especially, were able to read well in the reading-book for the grade, but not so well in other books of about the same character. This inequality was the result of drill in one book only. They learned to read a particular book, yet they did not learn to read. There had been a custom of having an annual display of the schools, mis-called an examination. The parents came in in large numbers; the children appeared in holiday dresses; the exercises, previously prepared, went off with glibness. This plan had its uses and its day. The parents and friends of the children were attracted by a free entertainment, and they went into the school room at least once a year, in large numbers. But all the good that could come from this kind of entertainments had been secured; it was no longer useful and it was abandoned ten years ago. One of its bad effects was, that much time was spent during the year in preparing for the display, instead of in the legitimate work of



education; another, that teachers disliked to send to an advanced grade, the pupils whom they had spent a large part of the year in drilling; another that the tendency was towards too much drill in everything, and especially in reading; for ability to read well in any part of "the book," came to be regarded as the legitimate test of the thoroughness of the teaching; whereas, in fact, the only true test is the ability to read any thing, of similar grade, and within the pupils' apprehension. All annual and stated parades having been discontinued, as a substitute, it is enjoined upon each teacher to induce the pupils to persuade their parents to make frequent and informal visits to the school, and see the regular daily work; and to secure good reading in place of mere drill. The Superintendent at that early day was authorized to buy sets of the Nursery, a child's periodical magazine, to be used by one teacher and then passed to another. For grades Four and Five, sets of the St. Nicholas Magazine were subsequently bought and used in a similar way. These periodicals circulated through the Superintendent's office, after the manner of a book club, have been fruitful of good results. This plan has been continued with these and other books, more or less, ever since. It has now become the custom in all good schools, to supply such extra reading; and to supply the demand, numerous periodicals and books of stories, suited to every capacity, have been published. They engage the interest and the attention of pupils, and cultivate a correct taste.

The plan here hinted at for the lower grades, has also been adopted in the higher. The last purchase for grades Eight and Nine is Selections from American Authors, by Samuel Eliot, and Boys of '76, by C. C. Coffin,—the latter a spirited account of the American revolution, well calculated to awaken an interest in American History. Hudson's Classical English Reader, and Hudson's Text-Book of Prose, have recently been introduced into the High school, for a similar purpose. Higginson's History of the United States is so used in the Grammar and the High school. Among the latest juvenile books of this class, are Little Folk's Reader, Six Popular Tales, First

series and second series; Six Stories from the Arabian Nights; and Poetry for Children.

A list of books so supplied to teachers will be found in an appendix to this report. In several of the schools the teachers have inquired into the habits of reading of their pupils, and aided them in making good selections. Measures have been taken to give all the benefit of the experience of each in this important direction.

Thus, several good results are sought with promise of attainment. Good reading is secured by placing before children that which interests them. Good taste in reading is cultivated so that, gradually, profitable reading will supplant the pernicious "blood and thunder" literature which has so fearfully large a sale among the young. The influence of the schools, if wisely directed, will do more to stifle the demand for trash, than all the postal laws and Mr. Comstock combined; though before that influence prevails, there will be work enough for both these agencies. Again, recreation and diversion is thus secured from the routine of school work, by a profitable employment of time. And finally, the school becomes a further preparation for constant progress in knowledge and enjoyment, from the the child books that are so accessible, after he enters active business. The manifold uses of such well directed efforts towards abundant reading, cannot be too highly prized. Within due limits, too much of such effort cannot be put forth.

The school at New Worcester is peculiarly fortunate. The Principal of that school, who has travelled in Europe, wished to get a few works of travel, and photographs of places and natural scenery, for the better study of geography. In soliciting subscriptions in the neighborhood, one man proposed to buy a little library for the school. Accordingly, about ninety volumes of well selected books, with a neat book case, a collection of photographs, and a few historical busts, have all been presented to the school, at a cost of some \$150. This generous example of Mr. Albert Curtis, is worthy of imitation. There may be other generous citizens, who would like to contribute to the library of the schools in their neighborhood, and are waiting for a call from the Principal. The library of

the High school was founded in a similar way, and is constantly replenished by the income of a fund, now amounting to more than \$1,300, donated by Alexander H. Bullock. This kind of liberality toward the High school has already supplied the grand piano, by Stephen Salisbury; the Electric clocks, by the late Edward Earle; and the bell and fountains, by Wm. Dickinson. Who will be the next to remember the not less important Grammar schools?

#### THE FREE PUBLIC LIBRARY,

through its progressive librarian, has put itself in the way of helping on in the work of securing better reading. In the first place, every teacher receives all possible assistance in the preparation for school work. Secondly, pupils are encouraged to make investigations at the library. Thirdly, the librarian is now taking steps to furnish books for teachers to use in the schools as supplementary reading, in the manner indicated above, and books bearing upon practical studies, for example, geography and history. Thus another bond is formed between the public schools and the free public library, which is the university wherein the education of the great mass of citizens will be carried on all their lives—a better university, too, than many an ancient one, grown gray with the moss of centuries. If all the school children learn how to use the library and how to value it, general intelligence is secured whatever they may fail to learn. If the library attracts to itself all the youth of the city, its future growth and influence will be insured, and the sale of vile literature here will not pay. In this same direction of more interesting reading, one of the teachers has conceived the idea of occasionally, or periodically preparing an abstract of current news, for circulation among the schools, entitled

#### TOPICS OF THE DAY.

History has its place in the school curriculum. It appears to the author of this idea, that current history is of equal importance with the record of ancient times. By telegraph we are in daily communication with every part of the civilized world. We may read at breakfast what occurred four or five hours later in the day, on the continent of Europe.

Thus the events of the whole world take place under our very eye, as it were. We understand what we see; and that which is now going on has a freshness of interest which annals musty with time do not possess. Moreover, current events link us with the past and give reality to history. A spirited compendium of the news, weekly or monthly, adapted to the capacity of pupils, lends an interest to the reading of newspapers and magazines. It may also be so prepared as to lead to a better method of reading papers among pupils; for this kind of reading can never be exhaustive; it must consist of culling here and there a little.

This project—Topics of the Day—is original and new. It seems pregnant with good. The first attempt interested the pupils and proved a success. The cost in a city like this is slight; a few hundred slips were printed in cheap form and circulated in sets of two or three dozen each, among several schools. Of course in the preparation of the abstract, individual opinions would almost inevitably be expressed, with which teachers, children or parents might not agree. No serious harm can follow, for we must all learn at some time to judge for ourselves, and to tolerate opinions that differ from our own.

In the appendix the second of these issues may be seen. It was prepared in haste, and the author thinks the style might have been improved. It will, however, just as well illustrate the idea. It is proposed to follow up this experiment and test its value by experience.

#### THE VALUE OF DRILL

in reading is not to be lost sight of; but it is not an end in itself—only a means to an end. Under the direction of his teacher, a pupil may practice a few selections till he can read them admirably, and yet be a very poor reader. On the other hand, with no practice on special selections, he cannot take up miscellaneous selections so profitably. Occasional drill and abundant miscellaneous reading, seems to promise most. In learning to play a musical instrument, the “exercises” are insisted on, not for themselves, but as a preparation for the

execution of music at sight. We retain the reading book as an "exercise;" but perpetual drill in it gives the pupil no taste of the music of general reading.

#### SEWING

was taught Saturday afternoons, as early as 1873, in connection with classes formed in different parts of the city by certain benevolent ladies, for the benefit of poor children. The city encouraged these schools by furnishing the rooms in which to hold them, and by a small amount of money. In 1876, action was taken by the school board, towards teaching it in a few of the Primary schools. It has not yet been extended to all the schools of that grade. A full and interesting statement of the experiment and its success will be found in a report of the Special Committee in charge of Education for 1879, published in the report of the State Board. The success thus far would warrant more attention to the subject than it has received.

#### PRIMARY SCHOOLS.

Those persons who have made a study of public school education, agree that the pivotal point in the system is the primary grades. Here, the child receives his first impression of school; his habits of study are formed—or rather the habit of gaining knowledge, in his first years. If he becomes accustomed to taking things on trust, he will not be likely to seek for the reasons of things later. If he forms idle and disorderly habits, they are not easily corrected. If, instead of real knowledge, he is furnished with husks, school will become irksome to him. In the first years, he ought to experience the real pleasure there is in the discovery of vital truth.

Great improvements have been made in primary instruction within a few years. Many people are not acquainted with these improvements. Methods that have been practiced here half a score of years, are not unfrequently spoken of as if they were new, after they have been adopted and have attracted notice elsewhere. There are men now living who can remember their



first year in school; and they are apt to suppose that schools continue just as they were.

The contrast between an old-time and a modern school may be interesting and profitable to the public.

Within the memory of many of us, the child, on entering school at the age of four or five, was made to sit still; he was punished for making pictures on his slate; he had no picture books to interest him, no oral instruction; nothing but the blank desert of *a, b, c*, confronted him, for the first six months. At intervals between the recitations of the older classes, he was paraded with his little mates around the teacher's knees and made to pronounce the letters as she pointed them out, one by one. The teacher once said to a little boy, pointing to the letter, "That is *b*;" and he said, "What of it?" Another remembers, forty years later, the white hands and clean nails of the teacher, and the splendid pen-knife with which she pointed out the letters. And another told his father that the teacher had a beautiful knife which he stuck into the paper and called it *a*; then he stuck it in and called it *b*; and then again he stuck it in and called it *c*. The first of the letters he fixed in mind were "round *o*" and "crooked *s*." At length the names of the alphabet are mastered. The "power of the letters" next engages his attention, and endless combinations are traversed: *B, a—ba; b, e—be; b, i—bi; b, o—bo; b, u—bu. C, a—ca; c, e—ce; and so-forth. B, l, a—bla; b, l, e—ble; b, l, i—bli* and so on, *ad infinitum* and *ad nauseam*. Next comes words—nothing but words—made up of the syllables and sounds selected from the wilderness just gone through. *Bak-er, mak-er, tak-er*, and so forth, some of which the child recognizes. In the course of a year or two of this wearisome monotony the child comes to read, at first in words of two or three letters and one syllable. *We go on; he may go up; let him go in. By-and-bye*, no doubt, he learns to read. For three or four years, there was this and nothing more. At length he takes up ciphering and plods along with occasional help from the teacher, in "doing the sums." Further on he memorizes a "grammar book;" and learns to "parse;" and at some time, determined by his size and his ambition, he takes to writing, periodically and spasmodically, with



a pen. It is not necessary to enlarge this picture. It can be supplied from the memory of most men forty or fifty years old. These were the famous ungraded schools that some people so much hanker for. They made scholars on the same principle that saints are sometimes made, by doing penance. That eminent scholars have come through such tribulation is due to the inherent force of human will and the discipline of the disagreeable, and not to any virtue in that kind of school. They are the schools of the past; and we shall never go back to them.

In our primary schools the following principles are recognized: That children are active; and their activity should be directed, not repressed: That they should be held to one kind of work for only a short time: That the thing should precede the name: And that they should become interested in advance, in what they are expected to learn. All these principles were violated in the schools described above.

The child now has, generally, a comfortable room and an easy seat; his attention is held to one subject only twenty minutes at one time; he has frequent physical exercises, either in the room or out of doors; before each lesson, the way is paved for an insight into the subject taught;—the child is led along, step by step, in the same natural and easy way in which he learns about the things he sees around him at home. No room is left for such a question as the little boy, mentioned above, asked about the letter *b*—“what of it?”

On his first day at school a tablet is hung up before him, on which is the picture of a cat, for example, with the word *cat* printed below. The child recognizes the picture; and he knows that it represents the cat, though it is not a cat. He is thus prepared to understand that the word *cat* is also representative of the real cat. He at once perceives that a word stands for some real thing. He learns what a word is. Immediately the word *cat* is written upon the black-board; a slate is placed in the child's hands and he writes the word *cat*. Other words follow, developed in the same or a similar way. The child soon learns a large number of words which he can recognize at sight—either in script letters or in type—and which he can write. All the while he is fascinated by the real things his attention is

called to, and by his own ability to represent them by words. At an early stage these words are combined in sentences. *I see a cat; I see the rat*, and-so-forth. He is taught to re-combine the words and make sentences of his own. Thus reading, writing and practical spelling, that is, forming words from letters, are carried on simultaneously; and all the while his mind is occupied with familiar objects and ideas. Nothing is said about letters or spelling at first, except incidentally. He sees the characters themselves and their use; by degrees he feels the want of a name for these little characters, and he picks up the names without knowing when. He sees that *cat* differs from *rat*. The names of the initial letters that make the difference, drop from the teacher's lips, naturally and incidentally, and the child learns the letters *c* and *r*—nobody knows or cares when; but he learns all the letters in this way surprisingly fast. He learns the names of his playmates and the members of his own family on the same principle. It would not be more absurd to teach the names of twenty-six people whom the boy had never seen, than to teach these twenty-six letters before there is any use for them apparent to the child—or to teach anything else before the child has been introduced to it. It is the new born child and the new idea that requires a name.

The same principles underlie the teaching of other subjects in these first years; for the child's interest is not confined to reading, writing and spelling. The very play of the child is made to contribute to his progress. He is not punished for marking on his slate; he is encouraged in it. His idea of *numbers* is developed by placing before him material objects to count and to combine and separate. This combining and separating is addition and subtraction; and these, modified a little, are the whole of arithmetic and of all mathematics. He counts his fingers, his schoolmates, the objects in the room. Number is not with him an abstraction.

The *perception* of the child is cultivated in all directions. By oral lessons he is taught to notice the peculiarities of all sorts of objects, and to perceive differences and resemblances. He learns the primary colors from cards that show them, and the secondary colors, from combinations of these. Later he learns

tints and shades. *Plants* are studied both from actual specimens and from pictures—not scientifically, but as a child should know them. *Animals* are studied in the same way. Thus an interest in Natural History—that which comes daily under their eye—is early awakened in the children.

The parts of the *human body*,—head, trunk, limbs; the parts of each of these: face, crown, sides, back; and of each of these: eyes, nose, lips, cheeks; and in turn the parts of each of these: lids, lashes, pupil, iris, and-so-forth,—all these are pointed out; and the child learns to describe them in words, thus giving definiteness to his idea and accuracy to his expression. The head is at the top of the trunk, the legs are below the trunk, and so on. The *form* of objects also receives attention—the form of blocks, and the names of those forms; of objects in the room; of diagrams upon the board or the slate. *Place*, or the location of objects with respect to each other, is another object of study. This is geography in its earliest stage. An object is placed upon the table; the child is taught to describe its position. In the upper [or further] right-hand corner, middle of the left side, &c. He makes a drawing representing the table with the objects as located. Later he represents the school room, with the furniture, doors, windows, &c., in it; then the school house, the school grounds; and, finally, the streets, or the fields and pastures in the vicinity. This study of what is under the eye, and its representation, is preparatory to a knowledge of maps and distant places—that is geography.

These are some of the subjects that receive attention in the Primary Schools; they are so taught as to be preparatory to the studies of succeeding years.

This description is by no means exhaustive; but it may serve as a hint to our citizens of what is attempted, and lead them to become acquainted with these schools from actual observation. Familiar as all this is to school teachers, the average citizen, there is reason to believe, knows as little about it as he knows of the ceremonies of the Knights of Malta.

It is not to be understood that these numerous branches of study are taken up, like Latin in a High School, by set and

formal lessons to be recited; nor that very extensive progress is made in some of them during the first year. Interspersed with music and drawing on the slate, they give a pleasing variety to the exercises of the school; and each, in its turn becomes a new diversion in the hands of a skillful teacher.

#### IMPROVEMENTS SUGGESTED.

1. It is proposed the coming year to rule all the slates in the first grade with parallel lines, and to secure, if possible, a more legible and a more uniform writing in this grade.

2. In this and in the other Primary grades, II and III, it would be exceedingly useful to have sets of several kinds of First, Second and Third Readers. These could be owned by the city and passed from school to school. Each pupil might then read his own book and five or six others of the same grade. If the school numbers forty-eight, twelve books will serve the purpose, because one-fourth of the pupils may read while the others are engaged in something else.

3. It is recommended that special attention be paid to the enunciation of words and sentences. Many pupils speak indistinctly; some have defective organs or defective hearing; and they habitually fail to pronounce certain letters. It is not uncommon, among a certain class, to hear, for example: *wid* for *with*. In cases like this, it takes a long time to induce the correct pronunciation by direct effort. The skillful teacher will call for the pronunciation of words and letters whose sound the child has mastered. The class may then be called upon to pronounce the word or letters in question; and often the pupil will speak correctly before he knows it, or even without knowing that he has made a mistake.

Often indirect means, both in instruction and in discipline, will secure what can be obtained with difficulty, or not at all, by direct effort.

4. The Primary Schools must be reduced in numbers. In a few of our schools the daily attendance has been nearly sixty. This has been necessary for want of rooms. If possible, the



Primary Schools should be organized with not more than forty-eight pupils each. No teacher can do justice to a larger number.

#### THE GRAMMAR SCHOOLS.

There has been no important change in the plan of these schools within a year. The propriety of forming two classes in each room has been suggested. Of these two classes, one could be six months in advance of the other, and each distant from the class below or above, by the same amount. One advantage of such a plan is, that a pupil who enters would never be more than three months behind or in advance of a class; another that promotions and demotions would be easy. In this way the complaint that pupils are held back or dragged forward would lose its last prop. One half hour the pupil—in the higher grades—could study by himself; the next half hour, with his teacher—in other words recite.

There is no force in the objection to this plan, that it makes more work for the teacher. Every good teacher is on the *qui vive* every minute of the session. If a single class is easier for her, she is not doing what is expected.

Schools with two classes, as experience shows, do quite as well as other schools with one. It is an exceedingly difficult task to thoroughly handle a class of forty or fifty pupils at once. Half that number can be kept in hand. In the Primary Schools the best results in many subjects—not in all—are secured by taking the pupils in sections of ten or twelve. The same practice may sometimes be adopted, profitably, in the Grammar Schools.

#### THE HIGH SCHOOL.

The present school was established in 1845. It was the successor of the Latin Grammar School of a much earlier day. There has been no time when the proposition to abolish the High School in this city has been seriously thought of. Such a proposition has been discussed of late years elsewhere, and it has found a feeble echo here. That discussion has led to a move in the legislature, two successive years, for the abolition

of these schools throughout the State. This movement has demonstrated, as nothing else could, the strong hold which this class of schools has upon the people of the State. In a neighboring State the executive, for two or three years in his inaugurals, berated high school education as robbery of the people. His words, from that exalted position, were signally abortive. They found no response except from the political shysters or niggardly rich men, who launched them, for political effect, in a time of great business depression; its last feeble echo came from the Fustian Governor of Maine. No part of the common school system is more firmly established than its High Schools.

For the greatest efficiency, this school needs only permanency in its administration. Attention is again called to the fact that for sixteen years no principal has seen a class through the course. A radical change is demanded right here.

As exhibiting the democratic, the popular, character of the school, the statistics showing the occupation of the parents and their relative amount of wealth were published one year ago. Every class of our population is represented in that school, and in the same proportions as on Main Street.

The benefits of the school are by no means confined to those who graduate; nor are they confined to the pupils in the school, for all the schools below feel its influence.

In a four years' course, and with so many pupils, it is to be expected that a considerable number will drop out, from one cause or another, during the year. Within the year and a half ending January 1, 1880, one hundred and thirty-nine have so dropped out. The number of graduates is not included. The causes of leaving, so far as ascertained, are as follows:

To work—in callings as various as those of men—nearly all boys, . . . . .	64
From ill health, weak eyes, &c.—mostly girls, . . . . .	28
To enter other schools, . . . . .	34
The Technical School, boys, . . . . .	12
The Normal School, girls, . . . . .	8
Left the city, . . . . .	6
Died, . . . . .	3



Death of parents,	.	.	.	.	.	.	1
To keep house,	.	.	.	.	.	.	2
To marry,	.	.	.	.	.	.	1
Total,	.	.	.	.	.	.	139

The exercises at graduation occurred as by the following ;

## PROGRAMME.

### MUSIC.

- CLASS: "Spirit Immortal." . . . . . VERDI
1. Salutory. . . . . ALICE L. CHAPIN
2. Class History. . . . . MARY L. FIFIELD

### MUSIC.

- CLASS: "Blue Bird." . . . . . HATTON
3. Poem: "Gettysburg." . . . . JOHN J. RIORDAN
4. Phrophesy. . . . . MARY J. WALKER

### MUSIC.

- "Hark! the Sound of Evening Bells." . . . . MENDELSSOHN  
(For Ladies' Voices.)
5. Valedictory. . . . . WILLIAM B. SPROUT

Presentation of diplomas by His Honor the Mayor.

## CLASS SONG.

BY MARY L. FIFIELD.

Old Father Time forever turns his glass,  
How swift the shining, golden sands do run.  
Four years, old Time his faithful work has done,  
Since first this pleasant home received our class.

And hoary Time will turn his glass for aye,  
Though now the hour has come for us to part:  
Though, fondly clinging every heart to heart.  
To-night, at last, we all must say, "good-bye."

O, fates, for us a happy future tell,  
As like the joyous past as e'er you may!  
O, grant us friends as faithful, too, as they  
From whom, to-night, we take a fond farewell!

## GRADUATES.

James White Allen.  
Angell Boss Babbitt.  
Irving Edward Comins.  
Andrew Aloysius Conlon.  
Andrew John Downes.  
James Henry Doyle.  
Morris Earle.  
John Austin Farley.  
Edward Doolittle Fitch.  
William Clemmens Fogerty.  
Howard Frost.  
Charles Walter Gilbert.  
John Hubbard Goulding.  
David Henry Keyes.  
Frank Emerson Knight.  
David Waldo Knowlton.  
Charles Albert Murray.  
John Francis O'Connor.  
Horace Palmer.  
John Francis Riley.  
John Joseph Riordan.  
Joseph Henry Sheffield.  
Charles Worcester Smith, Jr.  
Horace Elmer Sprague.  
William Bradford Sprout.  
Charles S. Sweetser.  
Charles Edwin Thwing.  
William Alfred Volkmar.  
Ruthie Ella Bean.  
Maria Fernald Bosworth.  
Ada Lucy Bush.  
Alice Lucinda Chapin.

Nellie Evelyn Churchill.  
Elizabeth Denholm.  
Catharine Doyle.  
Mary Blake Dudley.  
Mary Jane Emerson.  
Adele Louisa Fairbanks.  
Kate Adele Field.  
Mary Louisa Fifield.  
Mabel Estalla Fiske.  
Louise Martha Gunderson.  
Florence Ellen Houghton.  
Florence Josephine Kinsley.  
Ida Marion McCambridge.  
Abbie Sophia Maynard.  
Hattie Lee Mirick.  
Helen Day Perry.  
Nellie Florence Pevey.  
Minnie Rawson.  
Mary Robinson.  
Mira Belle Ross.  
Nellie Almira Sampson.  
Anna Theresa Smith.  
Adelaide Eva Smith.  
Lizzie Annie Stockwell.  
Eliza Putnam Stowell.  
Mary Godwin Wakefield.  
Mary Jane Walker.  
Augusta Minna Weixler.  
Mary Augusta Whiting.  
Josephine Hannah Whiting.  
Elizabeth Allen Witter.

## STUDIES IN THE WORCESTER HIGH SCHOOL.

	COLLEGE DIVISION.	CLASSICAL DIVISION.	ENGLISH DIVISION.
PREPARATORY YEAR.	Ninth-Grade Studies ; Latin.		
FIRST YEAR.	Latin ; Algebra ; German ; Physiology (once a week).	Latin or German ; Algebra ; History ; Physiology (once a week).	TERM. 1st.—Phys. Geog. 2d.—Book Keeping. Algebra ; History ; Physiology (once a week).
SECOND YEAR.	Latin ; Greek ; Geometry ; German.	Latin or German ; Geometry ; Physics ; French.	History ; Physics ; Geometry ; French.
THIRD YEAR.	Latin (two classes daily) ; Greek (two classes daily) ; German.	Latin or German ; Rhetoric ; French.	Advanced History (twice a week) ; Rhetoric ; Chemistry ; French.
FOURTH YEAR.	Latin (three classes daily) ; Greek (two classes daily) ; Reviews of English Studies.	TERM. 1st.—Astronomy, 2d.—Geology ; " —Eng. Lit., " —Civil Gov't ; French.	TERM. 1st.—Pol. Econ. 2d.—Botany ; " —Astronomy, " —Geology ; " —Eng Lit., " —Civil Gov't ; French.

Weekly Exercises of the whole School in Music, Drawing (optional), Elocution and Composition.

## THE STATE NORMAL SCHOOL.

The healthful influence of this institution upon our schools, both directly and indirectly, has been pointed out in former reports. That influence extends to all the schools of the county. It improves and grows with each advancing year. Though this is a state school, the city has a direct pecuniary interest in it. A large sum of money was appropriated by the city for its establishment.

## PRACTICAL BENEVOLENCE.

One year ago the yellow fever raged in the South. The sympathies of the school children followed those of older people. A five-cent contribution was started in the schools, from which the sum of \$241.25 was realized for the sufferers. In this good work some 4,825 children must have engaged. This circumstance is worthy of mention here; for it shows that the public schools tend to make not merely scholars, but public spirited men and women.

## FOOD FOR REFLECTION.

Public schools were primarily established in this Commonwealth, "That learning may not be buried in the graves of our fathers." In the course of years the object came to be to prepare the young for the duties of citizenship in a free republic. Of necessity this preparation is not strictly defined. Unquestionably it includes a fair amount of intelligence and the ability to read and write English with facility; and of necessity this cannot be secured to all, without provision for the higher education which so influences the lower. Of late, there is a strong tendency to hold the public schools responsible for every evil in society. The crime that prevails, is attributed to defective education. If a man is too indolent to prosper, the public schools are blamed. Even depression in business has been attributed to the want of industrial education in "our schools." The newspaper files show that at some time and by some persons, nearly every ill that flesh is heir to, from a badly

cooked dinner to disease and death, has been laid at the door of public schools.

As a consequence, it has been proposed at one time or another within the past few years, to attach to the public schools almost every kind of training that men need in the various walks of life. Gardening, farming, printing, trades of all kinds, sewing, knitting, cooking, dressmaking, housekeeping, and what not,—as a sort of “annex” to the public schools—all have their advocates.

It is time to recognize the fact that specific duties belong to these schools; and that not everything can be expected of them. Divine Providence has assigned to man the period of about three score years and ten, for development and activity. It is useless to attempt to accomplish all this “between the ages of five and fifteen.” Intellectual training being the main purpose of the schools, they incidentally accomplish a great deal more—in morals and manners, in industry and habits of self-control, and in all that goes to make up the good citizen. But for the main purpose only can the schools be held accountable. Other agencies principally control those other important interests. The family is an institution older and more potent in its sphere than the school could be or should be. Where its influence is positive and good, the interference of the school might even be resented. The church is an institution of powerful influence. Society as it exists has an influence upon the children in school which can not be ignored, and which can be but partially corrected, when it is bad. The press is another mighty power which moulds society and influences schools. Public schools, valuable as they are, can never assume the functions of Omnipotence, nor can they be held to so grave a responsibility.

They do not and they should not pretend to fully prepare boys and girls for active business; they assume only to aid them the better to help themselves. A High school training, among other things, helps a boy to enter college and professional life, if he has the energy and the ability to advance so far; but it can give no assurance of success. If a hard-working parent vainly imagines that such a training will enable his child to get a living without work, and the boy having no talent acts upon



this assumption, failure will follow. No law can prevent people from making such a mistake; they must learn from experience and observation, as they learn to avoid other follies.

Too much is expected of schools and of school children. There is no limit to what children under fourteen years of age do *not* know. A scholarly man after twenty years of professional life forgets the boy he was at fifteen. The prosperous business man, after thirty years, forgets the short steps of early days, not having been through a High school or a college, he thinks that those superior advantages should place the graduate on a par with himself. Nothing of the sort is done or attempted.

There is a pernicious tendency at present, to eliminate from the schools everything that is hard or disagreeable. Too much study is said to be the cause of more sickness than all other causes combined. Nine-tenths of the sickness attributed to school, might probably be traced to other causes with equal certainty, to say the least. Oral teaching, if carried on by a spirited teacher, is always interesting. The product of such teaching in the minds of the children—the precipitate, so to speak—is often wanting. It may be carried so far as to relieve the child from all effort. Let the road to knowledge be so smoothed and polished that children can glide over it without any exertion on their part, and we produce a generation of namby-pamby, wishy-washy imbeciles, or at best, feeble minds and timid spirits, fit for translation to some genial sphere, perhaps, but not prepared to battle with the world.

Not the least valuable aim of school should be to develop intellectual fibre; to throw the pupil on his own resources; to impress upon him the necessity for labor; and to open up to him the satisfaction there is in acquiring for himself. Nothing valuable comes to any of us without work. All that we get in any other way is stolen—by whatever name we call it.

Time is a factor in education. It is impossible to accomplish in a given time at one period of the child's life, what can easily be done later.

The mind needs time for its development. The school age has been steadily diminished. There was a time when boys were boys till they were twenty-one. They left school at that



age, and before that time they only attended school a part of the year, giving opportunity for their minds to assimilate that which they acquired. The majority of children now leave school at the age of fifteen. They are not sufficiently mature to apprehend the principles which they are taught. They have not time to assimilate what they get. This state of things seems unavoidable—it inheres in the century. How best to adapt the schools to the necessities of the case, and among the adverse influences to secure the best results for each and for all—this is the problem that confronts the school committee. Its solution is not so easy as those unfamiliar with the difficulties may imagine. The tyro and the educational tramp has a ready nostrum for every evil. The experienced are more modest in announcing infallible cures.

ALBERT P. MARBLE.

WORCESTER, MASS.,  
January, 1880.

# SECRETARY'S REPORT.

## FINANCIAL STATEMENT.

### RESOURCES.

Books, etc., sold, . . . . .	\$174 06
Insurance—Repairs Quinsigamond school house, . . . . .	65 20
Materials sold, . . . . .	24 24
Amount refunded from Sewing School, . . . . .	26 43
Tuition, non-resident pupils, . . . . .	14 75
Sanford & Co., erroneously charged by Auditor, last year, . . . . .	100 00
From appropriation by City Council, . . . . .	141,097 79
	<hr/>
	\$141,502 47

### EXPENDITURES.

Salaries of Teachers, . . . . .	\$111,951 01
Salary of Superintendent, . . . . .	2,430 00
Salary of Clerk, . . . . .	800 00
Salaries of Truant Officers, . . . . .	1,653 34
Fuel, . . . . .	5,386 63
Janitors, . . . . .	5,530 93
Cleaning buildings and yards, . . . . .	1,155 44
Brooms, brushes, pails, etc., . . . . .	510 01
School books, . . . . .	1,078 80
Stationery, ink, etc., . . . . .	700 39
Apparatus, . . . . .	490 99
Printing and advertising, . . . . .	546 59
Tuning and repairs of pianos, . . . . .	75 00
Horse hire, . . . . .	243 00
City water, . . . . .	406 26
Gas, . . . . .	301 99
Miscellaneous, . . . . .	297 20
	<hr/>
	\$133,557 58
Less income, . . . . .	315 24
	<hr/>
Ordinary expenses of Schools, . . . . .	\$133,242 34

Ordinary repairs of school houses, . . . . .	\$3,866 83	
Ordinary repairs of stoves, . . . . .	963 03	
Ordinary repairs of furniture, . . . . .	277 24	
	<hr/>	
	\$5,107 10	
Less income, . . . . .	89 44	
	<hr/>	
Net cost of repairs, . . . . .	.	\$5,017 66

## EXTRAORDINARY EXPENDITURES.

4 Houghton Ventilators, . . . . .	78 63	
Pointing brick work at High School, . . . . .	163 63	
Electric bells at High School, . . . . .	119 48	
Fence at the Adriatic School, . . . . .	130 60	
Fence at Salem Street, . . . . .	175 13	
Repairs—Quinsigamond school house, on account of fire,	65 20	
Sewer at the Tatnuck School, . . . . .	124 40	
	<hr/>	
	\$857 07	
New furniture, . . . . .	350 72	
Rent of school room at New Worcester, . . . . .	150 00	
Rent of school rooms at Green St., . . . . .	480 00	
Rent of Superintendent's office, . . . . .	1,000 00	
	<hr/>	
		\$2,837 79
		<hr/>
		\$141,097 79
Add total income, . . . . .		404 68
		<hr/>
		\$141,502 47

Expended by City Council and charged to appropriation  
for schools, . . . . . \$568 25



## STATISTICAL TABLE.

SHOWING THE NUMBER, ATTENDANCE, ETC., OF THE PUPILS IN THE PUBLIC SCHOOLS FOR THE YEAR ENDING NOV. 30, 1879.

SCHOOLS.	TEACHERS.	Whole number registered during the year.	Males.	Females.	Average number belonging for the year.	Average attendance.	Per cent. of attendance.	No. over 15 years of age.	Number belonging at the close of the year.	PERFECT IN ATTENDANCE.				Number of cases of tardiness.	Average to each scholar for the year.	No. of 3 days absence.	Average to each scholar for the year.	Average age Jan. 1, 1880.	REMARKS.
										First Term.	Second Term.	Third Term.	Fourth Term.						
ENGLISH AND CLASSICAL HIGH SCHOOL.																			
Samuel Thurber.		662	334	328	457.9	441.2	96.3	341	468	163	192	220	197	473	1.03	3289	7.1	16.1	1 session a day.
GRAMMAR SCHOOLS. GRADE IX.																			
Belmont Street	Arthur G. Lewis.	63	31	32	33.2	31.9	96.2	37	43	16	12	22	22	49	1.46	491	14.8	15.1	
Dix	William H. Bartlett.	46	21	25	38.7	37.4	96.7	21	37	17	16	16	17	25	.64	491	12.7	15.	
Woodland	Edward I. Comins.	59	27	32	44.7	43.1	96.4	36	41	19	18	21	21	41	.91	529	11.8	15.2	
Washington	Charles T. Haynes.	62	24	38	41.9	40.5	96.6	27	44	19	19	19	26	16	.38	529	12.6	14.8	
Ledge	Charles C. Woodman.	57	17	40	35.1	33.5	95.3	20	44	7	13	10	17	95	2.71	605	17.2	15.2	
		287	120	167	193.6	186.4	96.2	141	209	78	78	78	103	226	1.11	2645	13.6	15.	
GRAMMAR SCHOOLS. GRADE VIII.																			
Belmont Street.	Mary H. Warren.	57	36	21	38.3	36.5	95.5	18	41	14	14	18	18	30	.78	680	17.7	14.1	
Dix	Eldora M. Aldrich.	53	22	31	37.8	36.5	96.6	6	46	21	17	14	28	7	.19	491	13.	13.9	
Walnut	Etta A. Rounds.	50	28	22	34.3	32.9	95.9	8	42	22	18	14	26	2	.06	529	15.4	14.7	
Woodland	Ann S. Duntun.	62	33	29	38.7	37.1	96.0	19	43	15	14	10	23	32	.82	604	15.6	14.1	
Washington	M. Ella Spalding.	70	41	29	33.6	31.3	93.3	11	44	5	9	10	17	115	3.42	869	25.8	14.1	
Ledge	Olive G. Davis.	67	36	31	41.6	39.7	95.0	8	47	19	12	16	23	58	1.38	718	17.2	14.1	
Thomas	Harriet G. Waite.	55	33	22	39.7	38.3	96.6	3	39	16	17	24	23	22	.55	529	13.3	13.3	
Sycamore	Abbie E. Clough.	63	33	30	39.8	37.2	93.1	12	49	9	8	11	23	136	3.41	982	24.6	13.11	
South Worcester.	Carrie A. George.	46	25	21	35.7	34.3	96.1	4	28	8	11	6	11	51	1.43	531	14.8	13.9	
New Worcester.	Charlotte H. Munger.	66	37	29	35.7	33.6	94.2	6	42	2	10	11	7	52	1.46	802	22.4	13.7	
		589	324	265	375.2	357.4	95.2	95	421	131	134	130	199	503	1.34	6735	17.9	13.11	

## GRAMMAR SCHOOLS. GRADE VII.

Belmont Street.	Sarah L. Phillips.	58	36	22	46.9	44.2	94.2	2	45	15	15	14	17	42	.89	1020	21.7	13.5
Dix	Josephine M. Wilson.	50	23	27	40.9	39.4	96.3	3	41	20	19	24	17	7	.17	567	13.8	12.11
Walnut	Nellie C. Thomas.	57	25	32	38.8	36.8	94.1	5	44	23	19	19	24	7	.19	756	19.4	13.1
Woodland	Mary M. Lawton.	56	27	29	44.2	40.9	92.4	2	49	38	7	5	29	108	2.44	1247	28.2	12.7
Lamarline	J. Chauncey Lyford.	59	48	11	43.8	41.8	95.4	7	41	21	14	15	19	29	.66	756	17.2	13.1
Ledge	Maria P. Cole.	64	44	20	40.4	38.6	95.5	6	47	18	15	12	19	35	.86	680	16.8	13.1
Legge	Eliza E. Cowles.	59	40	19	42.2	40.5	95.8	4	49	19	12	16	20	61	1.45	642	15.2	13.
Sycamore	M. Louise Rice.	54	21	33	47.7	46.3	97.2	1	49	19	16	19	14	86	1.80	529	11.1	13.11
Green	Mary J. Packard.	39	22	17	38.4	37.1	96.8	2	37				11	48	1.24	159	4.1	13.
South Worcester.	Mary A. Tyler.	28	14	27	27.8	26.4	95.0	28					8	40	1.43	170	6.1	13.
Winslow Street.	Amy E. Hopson.	51	28	23	50.4	47.4	90.5	4	49				24	2	.04	366	7.2	13.2
Quinsigamond.	Mary S. Eaton.	40	23	17	26.	22.6	88.9		26	1			3	124	4.77	1288	48.7	12.8
		615	351	264	487.5	462.0	94.8	36	505	174	117	124	205	589	1.21	8180	16.7	13.1

Opened.

Sept. 1, 1879.

Sept. 1, 1879.

Sept. 1, 1879.

## GRAMMAR SCHOOLS. GRADE VI.

Belmont Street.	Tirzah S. Nichols.	58	29	29	47.6	46.1	96.4	1	48	29	20	24	25	33	.69	567	11.9	12.7
Belmont	Jennie L. Dearborn.	70	35	35	33.6	29.8	88.6		35	2	4	6	12	116	3.45	1436	42.7	12.8
Dix	Minnie Meade.	58	27	31	45.3	42.9	94.7	3	48	22	20	15	13	27	.59	907	20	12.5
Walnut	Kate A. Meade.	68	31	37	33.7	31.5	91.1	2	40	4	11	6	19	13	.38	831	24.6	12.4
Woodland	Janet Martin.	57	32	25	51.4	47.9	93.2	1	47	13	14	19	20	75	1.46	13	25.7	11.9
Lamarline	Mary A. Harrington.	63	39	24	43.3	40.9	94.7	5	45	17	17	17	11	58	1.34	907	20.8	12.3
Ledge	Emir a L. Cowles.	58	41	17	40.8	37.8	92.0	1	43	5	1	3	15	141	3.45	1134	27.8	12.
Legge	Kate A. McCarthy.	62	45	17	40.5	38.2	94.3	2	47	13	13	12	26	51	1.20	869	21.4	12.6
Thomas	Abbie C. Souther.	61	31	30	42.5	40.5	95.4		49	18	14	19	16	67	1.42	1285	27.4	12.3
Sycamore	A. Teresa Timon.	66	33	33	46.9	43.5	92.8		48	17	18	11	13	82	1.98	940	21.5	12.1
East Worcester.	Ella W. Fiskett.	58	34	24	43.7	38.1	93.9		51	17	10	9	21	30	.74	945	23.5	12.3
Providence Street.	L. Elizabeth King.	69	42	27	40.6	38.1	93.9	1	50	12	10	7	27	144	3.79	1017	26.1	12.3
Ash	Mary J. Mack.	55	43	12	38.	35.3	92.9	1	40	12	16	13	9	77	1.55	947	19.1	12.4
South Worcester.	Amelia M. Walker.	74	40	34	49.5	47.	95.0		49				18	16	.33	317	6.7	11.9
Oxford Street.	Ella K. Morgan.	51	19	32	47.5	44.9	94.4		22				10	4	.18	122	5.4	12.3
Salem	Minnie F. Whittier.	26	15	11	22.5	21.5	95.7		38				14	50	1.29	329	8.5	12.4
Edgeworth	Ella E. Roper.	41	21	20	38.6	35.9	93.1	1	38				14	50	1.29	329	8.5	12.4
New Worcester.	S. Lizzie Carter.	53	30	23	34.9	32.3	92.2		41	12	6	3	14	130	3.72	983	28.1	11.6
		1048	587	461	740.9	695.3	93.8	18	781	212	184	176	300	1238	1.67	15615	21.1	12.3

Opened.

Sept. 1, 1879.

Sept. 1, 1879.

Sept. 1, 1879.



#SCHOOLS.	TEACHERS.	SECONDARY SCHOOLS. GRADE V.														REMARKS.			
		Whole number registered during the year.	Males.	Remales.	Average number belonging for the year.	Average attendance.	Per cent. of attendance.	No. over 15 years of age.	Number belonging at the close of the year.	PERFECT IN ATTENDANCE.				Number of cases of tardiness.	Average to each scholar for the year.		No. of ½ days absence.	Average to each scholar for the year.	Average age Jan. 1, 1880.
										First Term.	Second Term.	Third Term.	Fourth Term.						
Belmont Street.	Abbie J. Reed.	60	27	33	47.8	45.6	95.5	1	51	22	19	16	30	29	.61	453	9.4	11.5	Opened. Sept. 1, 1879.
Dix	Abbie N. Hoxie.	54	27	27	45.7	42.9	93.8		47	13	11	13	18	37	.81	1058	23.1	11.3	
Walnut	Caroline H. Metcalf.	35	17	18	33.4	30.5	91.0	2	35	4			14	7	.21	354	10.5	11.10	
Walnut	Ella M. McFarland.	50	20	30	38.8	35.6	91.8		42	7	2		4	46	1.18	1209	31.1	10.5	
Woodland	Carrie R. Clements.	60	27	33	51.4	46.9	91.4		52	8	12	14	27	94	1.82	1701	33.1	10.8	
Woodland	Martha T. Wyman.	50	24	26	40.9	38.3	96.3	1	49	7	7	10	14	137	3.35	982	24	10.5	
Lamarine	Josie M. Ware.	54	11	43	41.4	38.7	93.6	1	38	12	14	15	12	54	1.30	1020	24.6	11.4	
Lamarine	Louise A. Dawson.	60	43	17	40.7	38.	93.4	1	40	16	7	8	12	88	2.13	1021	25.1	11.6	
Ledge	Alice G. McMahon.	54	39	15	47.	44.6	94.8		46	11	16	9	15	133	2.82	907	19.	11.6	
Thomas	S. Lizzie Wedge.	55	27	28	46.1	43.9	95.1		40	28	16	28	17	58	1.26	831	18.	10.10	
Thomas	Belle H. Tucker.	41	28	13	38.6	36.9	95.4		38				19	15	.39	207	53.	12.2	Sept. 1, 1879.
Sycamore	Susie A. Partridge.	60	25	35	50.9	48.8	95.9		56	14	25	21	23	75	1.47	793	15.6	10.10	
East Worcester.	Annie Brown.	58	33	25	44.2	41.2	93.2	1	46	8	13	8	12	138	3.12	1134	25.6	12.1	
"	Mary E. C. Carroll.	47	26	21	41.7	38.3	91.7		40	14	11	7	9	117	2.80	1285	30.8	11.6	
Providence Street.	Sarah J. Newton.	45	28	17	33.7	32.7	97.1		38	16	15	17	20	24	.71	378	11.2	11.8	
Providence	Evelyn E. Towne.	40	27	13	31.5	29.8	94.6		35	13	9	9	13	27	.86	642	20.4	10.11	
Ash	Mary McGown.	40	30	10	41.3	40.4	97.8		33	21	22	24	23	34	.82	340	8.2	10.10	
South Worcester.	Ellen M. Boyden.	51	21	30	43.	40.2	93.5		40	14	14	9	14	53	1.23	1061	24.6	12.1	
"	Alma A. Grow.	45	21	24	29.7	25.6	86.0		36	2	1		2	148	4.98	1553	52.3	11.8	Sept. 1, 1879.
Winslow Street.	Emily J. Herrick.	55	21	34	53.2	50.9	95.7	54	45	14	12	9	20	56	1.45	680	17.6	10.8	
Salem	Sarah E. Rogers.	52	33	19	38.6	36.8	95.4		44	6	5	5	7	199	4.48	1634	36.8	11.4	
Edgeworth	Alice V. Proctor.	49	27	22	44.4	40.1	90.9	2	40	6	6	5	7	112	2.69	1528	36.8	12.1	
New Worcester.	Josephine A. Hunt.	61	35	26	41.5	37.5	91.1		48	13	9	8	12	112	2.69	1528	36.8	12.1	
Summer Street.	Abbie A. Wells.	49	26	23	36.4	33.3	91.4		41	5	7	4	15	232	6.37	1171	32.2	11.6	
Quinsiga mond.	Helena M. Kalaber.	51	24	27	41.4	36.9	89.1		45	4	4	3	7	230	5.55	1701	41.1	10.11	
		1276	667	609	1043.3	974.4	93.4	9	1075	268	251	237	378	2159	2.07	23923	31.3	11.4	

## SECONDARY SCHOOLS. GRADE IV.

Belmont Street.	Esther G. Chenery.	56	25	31	49.9	48.2	96.6	50	32	28	35	34	11	22	642	12.8	10.2	
Dix	Susie W. Forbes.	55	32	23	43.3	39.7	91.7	47	17	13	13	10	40	.92	1360	31.4	10.11	
Walnut	Emmie M. Gates.	50	18	32	43.2	39.5	91.6	48	12	10	16	9	39	.90	1398	32.4	10.2	
Woodland	Sarah J. Melaney.	55	32	23	38.7	36.4	93.7	47	4	5	7	12	223	5.75	869	22.4	9.4	
Lamartine	Mary E. Kavanagh.	55	41	14	41.2	38.5	93.4	45	13	9	12	11	84	2.03	1020	24.7	10.10	
"	Ellen T. Shannon.	58	44	14	39.3	35.9	91.4	45	8	11	20	11	103	2.62	1285	32.6	10.3	
Ledge	Frances M. Athy.	66	38	28	51.7	49.9	96.6	51	16	18	13	19	86	1.66	680	13.1	10.2	
Thomas	Abbie F. Hemenway.	50	30	20	46.5	43.7	93.6	46	15	17	22	14	69	1.49	1058	22.7	10.3	
"	Mary E. Fitzgerald.	47	22	25	42.1	39.4	93.6	42	7	7	12	11	86	2.04	1020	24.2	13.1	
Sycamore	Hattie S. Hagen.	56	31	25	50.	47.2	93.9	50	12	17	20	20	42	.84	1058	21.1	10.4	
East Worcester.	Addie J. Booth.	42	24	18	37.6	34.2	90.9	34	13	2	9	15	225	5.98	1285	34.1	10.8	
"	Julia A. Bunker.	39	19	20	37.9	35.5	93.5	33	22	20	20	17	118	3.11	907	23.8	10.6	
Providence Street.	Nellie A. Sprout.	58	40	18	39.1	35.5	90.8	47	4	13	12	14	54	1.56	1360	34.8	10.10	
Ash	Mattie A. Collins.	42	37	5	41.1	37.7	91.8	37	13	16	18	17	121	2.94	1385	31.2	10.2	
South Worcester.	Mary O. Whitney.	54	26	28	46.6	41.4	88.8	43	4	7	3	8	233	5.	1970	42.2	10.4	
Oxford Street.	Mary L. Norcross.	50	22	28	48.5	46.4	95.7	49	5	7	12	11	17	96	1.96	1398	28.6	10.3
Winslow	Lucy Lewisson.	57	29	28	48.9	45.2	90.8	51	7	12	11	17	96	1.96	1398	28.6	10.3	
Salem	Mary O. Whitmore.	58	23	35	47.2	44.3	93.8	48	13	13	8	11	98	2.07	1096	23.2	10.4	
Edgeworth	Sarah M. Brigham.	55	25	30	47.9	42.3	88.4	43	2	7	7	6	180	3.75	2122	44.3	10.7	
Summer	Ella J. Moore.	56	31	25	44.8	40.1	89.6	48	8	5	9	14	260	5.80	1776	39.6	10.3	
Adriatic.	Emma A. Porter.	45	18	27	43.9	40.7	92.7	45	5	12	9	14	27	61	390	8.9	10.4	
Union Hill.	Mary A. Kean.	50	27	23	37.9	35.6	93.9	43	12	9	14	17	63	1.66	869	22.9	9.2	
		1154	634	520	967.3	897.3	92.7	992	234	239	281	322	2271	2.35	25104	25.9	10.5	

Opened.  
Sept. 1, 1879.  
Sept. 1, 1878.

Sept. 1, 1879.

## PRIMARY SCHOOLS. GRADE III.

Belmont Street.	Mary T. Gale.	59	30	29	52.1	47.9	92.1	49	10	13	13	15	125	2.39	1587	30.4	9.
Dix	Esther B. Smith.	57	27	30	51.6	47.7	92.4	54	8	7	13	18	48	.93	1474	28.5	9.1
Woodland	Maggie I. Melaney.	59	31	28	53.4	46.3	86.5	52	4	7	9	9	123	2.30	2683	52.5	8.4
Lamartine	Ida A. Tew.	61	36	25	45.1	40.5	89.9	47	6	4	8	16	143	3.17	1738	38.5	9.7
"	F. Belle Perry.	68	43	25	50.7	46.8	92.2	55	12	11	17	11	147	2.89	1474	29.1	8.8
Ledge	Mary E. D. King.	60	39	21	50.5	48.5	96.0	49	14	16	16	20	120	2.37	756	14.9	8.6
Thomas	Hattie W. Bliss.	61	27	34	45.3	42.6	94.0	54	10	10	16	23	53	1.17	1020	22.5	8.8
Sycamore	Sarah W. Clements.	69	40	29	58.2	52.1	88.6	63	13	9	18	22	48	.82	2306	39.6	8.10
East Worcester.	Kate C. Cosgrove.	37	24	13	46.3	42.5	90.1	37	9	16	12	80	1.72	1436	31.	8.10	
Providence Street.	Aloysia Radcliffe.	51	29	22	35.7	33.3	93.2	39	19	15	9	15	89	2.49	907	25.3	9.2
"	Anna M. Overend.	46	24	22	48.6	45.1	82.8	37	10	9	13	12	55	1.13	1323	27.2	9.1
"	Adeliza Perry.	38	24	14	34.3	32.2	93.5	36	6	8	18	52	256	7.4	256	7.4	9.2
Ash	Libbie H. Day.	51	35	16	39.	36.5	93.6	42	9	11	12	6	180	4.61	945	24.2	8.5

Opened.  
Sept. 1, 1879.

Opened.  
Sept. 1, 1879.

SCHOOLS.	TEACHERS.	Whole number registered during the year.	Males.	Females.	Average number belonging for the year.	Average attendance.	Per cent. of attendance.	No. over 15 years of age.	Number close of the year.	PERFECT IN ATTENDANCE.				Number of cases of tardiness.	Average to each scholar for the year.	No. of ½ days absence.	Average to each scholar for the year.	Average age Jan. 1, 1880.	REMARKS.
										First Term.	Second Term.	Third Term.	Fourth Term.						
PRIMARY SCHOOLS. GRADE III. (CONTINUED.)																			
South Worcester.	Lydia W. Ball.	51	26	25	44.3	40.5	91.4		43	11	14	9	8	130	2.95	1440	32.5	9.6	
Oxford Street.	Mary E. A. Hoyt.	53	23	30	47.2	44.9	95.2		51	20	19	26	19	42	.89	864	18.3	8.11	
Salem.	Emma I. Clafin.	69	35	34	53.7	49.5	92.2		63	11	13	12	16	107	1.99	1587	29.5	8.7	
Edgeworth.	Jennie E. Maloney.	45	23	22	42.2	38.	90.1		49	10	5	10	21	98	2.32	1391	37.7	8.7	
New Worcester.	Ada E. Smonds.	66	31	35	48.5	43.4	89.3		59	6	11	11	15	206	4.24	1943	40.1	8.4	
Summer Street.	Carrie F. Merriam.	55	30	25	47.1	44.	93.4		48	15	18	20	12	217	4.61	1171	24.9	9.	
Quinsigamond.	Edna Currier.	45	25	20	39.6	36.4	92.0		41	5	5	4	13	136	3.43	1212	30.6	8.11	
Mason Street.	Mary E. Pease.	47	22	25	47.7	43.7	91.7		44	4	5	30	9	148	3.10	1512	31.6	8.10	
Adriatic.	Emma F. Brown.	60	27	33	49.7	44.1	88.8		52	5	6	6	11	82	1.65	2116	42.6	9.3	
		1208	651	557	1030.8	946.5	91.9		1064	211	217	288	311	2395	2.32	31341	30.	8.11	
PRIMARY SCHOOLS. GRADE II.																			
Belmont Street.	Carrie P. Townsend.	54	29	25	48.3	44.7	92.5		51	7	6	9	12	65	1.14	1360	28.1	8.4	Opened. Sept. 1, 1879.
"	Jennie A. Whitney.	65	31	34	47.9	43.5	90.8		49	5	12	14	8	89	1.86	1663	34.5	7.5	
Dix	Alice W. Giddings.	48	30	18	50.	44.9	89.5		41	5	8	7	4	61	1.22	1927	38.5	8.1	
"	Alice E. Johnson.	48	26	22	39.9	37.7	90.7		44				4	15	.38	268	6.7	7.6	
Woodland	Amanda H. Davie.	54	32	22	52.6	46.7	88.9		46	8	9	22	8	163	3.09	2230	42.4	7.6	
Lanartine	Mary E. Fay.	66	47	19	43.1	41.	95.2		55	9	15	25	9	107	2.45	793	18.4	7.4	
Ledge	Mary V. Callaghan.	49	37	12	46.9	44.1	94.0		47	8	10	21	15	98	1.87	1038	22.5	8.	
Thomas	Flora J. Osgood.	66	30	36	51.4	48.7	94.8		55	14	22	27	21	60	1.16	1020	19.8	8.2	
"	Ella A. Casey.	71	35	36	51.6	48.	93.0		57	8	12	16	17	105	2.03	1360	26.3	7.8	
Sycamore	Ida A. E. Kenney.	62	28	34	47.8	44.6	92.9		52	12	16	30	9	98	2.05	1203	25.3	7.10	
East Worcester.	Mary E. Russell.	58	29	29	42.4	39.4	92.9		51	9	8	14	16	330	7.54	1134	26.7	7.3	
Providence Street.	S. Cornelia Chamberlin.	48	28	20	35.3	32.9	93.0		39	7	8	11	11	40	1.13	907	25.7	8.7	
Grafton	Bridget T. Carlon.	56	35	21	46.3	43.	92.8		48	8	9	11	14	113	2.46	1207	26.1	8.	
Ash	Sarah A. Boyd.	40	30	10	39.5	36.5	93.6		40	9	7	13	8	156	3.95	1134	28.6	8.3	

## PRIMARY SCHOOLS. GRADE II. (CONTINUED.)

Green Street.	95	79	16	49.6	45.2 91.2	68	11	12	28	37	199	4.01	1663 33.5	6.11
South Worcester.	45	24	21	40.9	36.5 89.1	41	4	4	3	10	124	3.03	1607 40.7	7.11
Oxford Street.	62	41	21	52.1	47.1 90.4	57	3	9	23	18	124	2.38	1890 36.2	7.7
Winslow	63	34	29	54.7	50.5 92.3	55	13	15	18	17	143	2.61	1587 28.8	8.2
Edgeworth	56	32	24	46.5	42.4 91.2	50	3	5	12	13	191	4.11	1553 33.4	8.3
Summer	46	23	23	43.	38.8 90.1	42	10	9	13	10	158	3.67	1537 36.9	7.10
Quinsigamond.	51	26	25	40.7	36.3 89.0	45	1	4	6	3	121	2.97	1672 41.1	7.
Adriatic.	53	30	23	56.2	45. 89.7	47	8	14	15	15	98	1.95	1965 39.1	8.1
Union Hill.	46	25	21	37.6	35.3 93.9	42	3	4	10	7	105	2.79	869 23.1	6.7
	1302	761	541	1058.3	972.8 91.9	1122	165	218	348	286	2763	2.61	31723 29.9	7.9
Margaret J. McCann.														
Mary C. Paige.														
Emma J. Houghton.														
Hattie C. Howland.														
Addie B. Sprague.														
Mary A. Gauren.														
Ella E. Hall.														
Anna M. Smith.														
Adriatic.														
Etha M. Stowell.														

## PRIMARY SCHOOLS. GRADE I.

Belmont Street.	64	30	34	43.1	37.7 87.3	54	2	5	6	12	77	1.78	2041 42.3	6.3
Dix	63	30	33	35.2	27.3 77.6	38	1	1	1	1	70	1.99	2986 84.8	6.5
Woodland	88	55	33	57.8	46.9 81.2	77	3	5	8	5	240	4.15	4120 71.2	6.6
Lamarine	68	43	25	46.8	42.4 90.6	51	3	5	8	11	50	1.07	1663 35.5	7.5
"	70	51	19	51.5	47. 91.1	46	4	6	4	4	140	2.72	1701 33.	6.1
Ledge	47	33	14	43.4	39.6 91.2	41		3	9	4	239	5.51	1436 33.1	5.5
"	50	32	18	46.1	42.6 92.4	45	5	14	14	18	137	2.97	1323 28.7	7.2
Thomas	76	33	43	60.5	55.2 88.4	62	3	9	15	6	116	1.91	2003 33.	6.4
Sycamore	65	23	42	48.8	44.6 91.5	63	12	7	17	15	18	.36	1587 32.5	5.6
East Worcester.	57	29	28	43.8	40.6 92.7	49	10	8	18	15	133	3.03	1209 27.6	6.6
"	77	31	46	60.2	53.4 89.0	71	9	7	21	15	225	3.73	2570 42.7	5.5
Providence Street.	56	37	19	53.6	49.7 92.8	46	9	18	18	12	61	1.13	1474 27.5	6.10
Grafton	85	45	40	64.1	57.7 90.0	63	7	4	8	11	229	3.57	2342 36.5	6.9
Ash	42	26	16	44.6	39.2 87.8	34	8	10	12	14	116	2.60	2035 45.6	6.8
South Worcester.	42	31	11	47.2	42.8 90.9	36	4	2	4	20	42	1667 35.3	6.1	
Oxford Street.	46	21	25	45.1	40.6 90.2	35	1	6	11	3	99	2.19	1711 37.9	5.4
"	38	24	14	24.2	19.9 82.6	31	1	3	2	2	142	5.87	1625 67.1	6.7
Salem	80	47	33	51.7	47.6 92.0	60	8	4	17	11	121	2.34	1549 29.9	6.7
Edgeworth	85	45	40	53.4	47.1 88.2	78	3	4	11	36	254	4.75	2387 44.7	6.4
New Worcester.	61	28	33	42.8	37.9 88.6	50	1	4	3	163	3.81	1871 43.7	6.8	
Summer Street.	62	35	27	53.	45.6 89.9	54	1	4	10	4	318	6.	2797 52.8	6.4
Mason	69	36	33	54.6	48.4 88.6	53	1	2	8	197	3.61	1965 36.	6.6	
Adriatic.	104	48	56	48.8	47.1 85.1	83	4	14	16	13	84	1.72	644 13.2	6.10
	1495	813	682	1120.3	1000.9 83.9	1220	95	138	234	215	3249	2.89	44706 39.9	6.4



SCHOOLS.	TEACHERS.	SUBURBAN SCHOOLS.										REMARKS.							
		Whole number registered during the year.	Males.	Females.	Average number belonging for the year.	Average attendance.	Per cent. of attendance.	No. over 15 years of age.	Number belonging at the close of the year.	PERFECT IN ATTENDANCE.				Number of cases of tardiness.	Average to each scholar for the year.	No. of $\frac{1}{2}$ days absence.	Average to each scholar for the year.	Average age Jan. 1, 1880.	
										First Term.	Second Term.	Third Term.	Fourth Term.						
Northville.	Eudora A. Dearborn.	24	12	12	22.1	16.5	74.6	21	21	2	2	1	1	155	7.01	2128	96.2	7.1	Opened. April 14, 1879.
Tatnuck.	Mattie Howe.	54	30	24	34.9	31.7	90.9	7	38	5	8	7	11	55	1.56	1228	35.2	10.3	
Valley Falls.	Eliza J. Seaver.	58	30	28	38.9	32.7	84.0	1	41	2	2	4	3	193	4.95	2374	61.	9.6	
Trowbridgeville.	Clara A. Grout.	27	15	12	18.3	16.4	89.5	1	20	2	2	1	3	105	5.73	727	39.6	9.6	
Blithewood.	Arabell E. Burgess.	29	17	12	18.4	17.3	93.7	19	19	2	4	6	6	60	3.26	420	22.7	11.	
Bloomingtondale.	Lizzie J. Andrews.	47	24	23	30.1	26.	86.3	2	42	10	7	5	7	118	3.92	1570	52.1	9.5	
Adams Square.	Ellen M. Fitts.	29	16	13	19.8	16.4	82.2	21	21	1	2	3	3	64	3.23	1305	65.9	9.9	
Burncoat Plain.	Minnie M. Parmenter.	37	21	16	23.8	22.5	94.3	12	29	7	6	6	5	59	2.48	499	20.9	12.9	
North Pond.	Elma L. Studley.	39	17	22	23.9	21.2	88.7	3	27	3	4	4	3	52	2.18	1036	43.3	9.1	
Chamberlain.	Fanny R. Spurr.	13	8	5	10.1	9.2	90.9	1	10	4	4	3	4	46	4.55	345	34.2	10.4	
Lake View.	M. Rosalie Goddard.	36	19	17	29.6	26.	87.8	1	34	10	2	2	181	6.11	788	26.6	9.3		
		393	209	184	269.9	235.9	87.4	28	302	36	51	35	42	1088	4.03	12420	46.	9.11	

## RECAPITULATION.

SCHOOLS AND GRADES.	Whole number registered during the year.	Males.	Females.	Average number belonging for the year.	Average attendance.	Per cent. of attendance.	Number over 15 years of age.	Number belonging at the close of the year.	PERFECT IN ATTENDANCE.				Number of cases of tardiness.	Average to each scholar for the year.	No. of $\frac{1}{2}$ days absence.	Average to each scholar for the year.	Average age Jan. 1, 1880.
									IN ATTENDANCE.								
									First Term.	Second Term.	Third Term.	Fourth Term.					
High School.....	662	334	328	457.9	441.2	96.3	341	468	163	192	220	197	473	1.03	3289	7.1	16.1
Grammar. Grade IX.....	287	120	167	193.6	186.4	96.2	141	209	78	78	78	103	226	1.11	2645	13.6	15.
“ “ VIII.....	589	324	265	375.2	367.4	95.2	95	421	131	134	130	199	505	1.34	6735	17.9	13.11
“ “ VII.....	615	351	264	487.5	462.	94.8	36	505	174	117	124	205	589	1.21	8180	16.7	13.1
“ “ VI.....	1048	587	461	740.9	695.3	93.8	18	781	212	184	176	300	1238	1.67	15615	21.1	12.3
“ “ V.....	1276	667	609	1043.3	974.4	93.4	9	1075	268	251	237	378	2159	2.07	23923	13.3	11.4
Secondary. Grade IV.....	1154	634	520	967.3	897.3	92.7	992	992	234	239	281	322	2271	2.35	25104	25.9	10.5
“ “ III.....	1208	651	557	1030.8	946.5	91.9	1064	211	217	288	311	2395	2.32	31341	30.	8.11	
Primary. Grade II.....	1302	761	541	1058.3	972.8	91.9	1122	165	218	348	286	2763	2.61	31723	29.9	7.9	
“ “ I.....	1495	813	682	1120.3	1000.9	83.9	1220	95	138	234	215	3249	2.89	44706	39.9	6.4	
Suburban.....	393	209	184	269.9	235.9	87.4	28	302	36	51	35	42	1088	4.03	12420	46.	9.11
Aggregate for Day Schools.....	10029	5451	4578	7745.	7170.1	92.5	668	8159									
Evening Schools.....	677	524	153	470.	206.		494	192									
Drawing Schools.....	134	95	39	105.	87.		133	103									
	10840	6070	4770	8320.	7463.1	92.5	1295	8454	1767	1819	2151	2558	16956	2.19	205681	26.5	



## TABLE

*Showing the Nationality of Parents of Scholars in the  
Public Schools.*

SCHOOLS.	TEACHERS.	U. S.	Ireland.	Canada.	England.	Germany.	Scotland.	France.	Other Countries.
High School,	Samuel Thurber,	356	75	7	10	3	3	1	4
GRAMMAR, GRADE IX.									
Belmont Street,	Arthur G. Lewis,	27	11		2	1			2
Dix "	William H. Bartlett,	29	1	1	1	3			2
Woodland "	Edward I. Comins,	27	5		3	2	3		
Washington "	Charles T. Haynes,	23	18		2		1		
Ledge "	Charles C. Woodman,	15	28		1				
		121	63	2	9	6	4		4
GRAMMAR, GRADE VIII.									
Belmont Street,	Mary H. Warren,	25	12	1	1		1		1
Dix "	Eldora M. Aldrich,	34	7		3				2
Walnut "	Etta A. Rounds,	39			2			1	
Woodland "	Ann S. Dunton,	33	3	1	3	1	1		1
Washington "	M. Ella Spalding,	13	21	2	4	2			2
Ledge "	Olive G. Davis,	19	24	1			2		1
Thomas "	Harriet G. Waite,	8	27	3		1			
Sycamore "	Abbie E. Clough,	33	8	3	2	2			1
South Worcester,	Carrie A. George,	6	17		5				
New Worcester,	Charlotte H. Munger,	24	8	2	8				
		234	127	13	28	6	4	1	8
GRAMMAR, GRADE VII.									
Belmont Street,	Sarah L. Phillips,	24	18	2					1
Dix "	Josephine M. Wilson,	34	3	1	3				
Walnut "	Nellie C. Thomas,	37	3	1	3				
Woodland "	Mary M. Lawton,	45	2			1	1		
Lamartine "	J. Chauncey Lyford,	7	28	2	1	3			
Ledge "	Maria P. Cole,	16	26	2	1	1			1
Ledge "	Eliza E. Cowles,	16	31	1	1				
Sycamore "	M. Louise Rice,	36	8	2	2				1
Green "	Mary J. Packard,	11	15	5	1		4		1
South Worcester,	Mary A. Tyler,	7	17	2			1		1
Winslow Street,	Amy E. Hopson,	38	5	1	3		2		
Quinsigamond,	Mary S. Eaton,	5	15		1				4
		277	171	19	16	5	8		9
GRAMMAR, GRADE VI.									
Belmont Street,	Tirzah S. Nichols,	38	5	2	2		1		
Belmont "	Jennie L. Dearborn,	15	18			1	1		
Dix "	Minnie Meade,	29	11	2	4	2			
Walnut "	Kate A. Meade,	36	2	1	1				
Woodland "	Janet Martin,	34	6	1	3	2			1
Lamartine "	Mary A. Harrington,	8	27	2	4	4			
Ledge "	Emma L. Cowles,	9	26		2		1		2
Ledge "	Kate A. McCarthy,	10	31	1					1
Thomas "	Abbie C. Souther,	9	25	7	2	1	2	1	
Sycamore "	A. Teresa Tinon,	36	9	1	3				
East Worcester,	Ella W. Foskett,		46	1					1
Providence Street,	L. Elizabeth King,	23	22	3	2				1

SCHOOLS.	TEACHERS.	U. S.	Ireland.	Canada.	England.	Germany.	Scotland.	France.	Other Countries.
Ash	Mary J. Mack,	12	32	3	2	1			
South Worcester,	Amelia M. Walker,	10	23	2	5				
Oxford Street,	Ella K. Morgan,	39	4	2	1	1			2
Salem	Minnie F. Whittier,	12	9	1					
Edgeworth	Ella E. Roper,	2	35						1
New Worcester,	S. Lizzie Carter,	25	11	1	2	1	1		
		347	342	30	33	13	6	1	9
SECONDARY, GRADE V.									
Belmont Street,	Abbie J. Reed,	41	4	4					2
Dix	Abbie N. Hoxie,	45			2				
Walnut	Caroline H. Metcalf,	31	2			1			1
Walnut	Ella M. McFarland,	40		1		1			
Woodland	Carrie R. Clements,	38	2	1	7	1	2		1
Woodland	Martha T. Wyman,	42	1	1	1	2			2
Lamartine	Josie M. Ware,	2	27	5	2	2			
Lamartine	Louise A. Dawson,	2	28	5	3	2			
Ledge	Alice G. McMahon,	9	31	3	2	1			
Thomas	S. Lizzie Wedge,	9	24	3	1			2	1
Thomas	Belle H. Tucker,	13	15	9		1			
Sycamore	Susie A. Partridge,	41	9	3	2				1
East Worcester,	Annie Brown.		45	1					
East Worcester,	Mary E. C. Carroll,	1	36	1	1				1
Providence Street,	Sarah J. Newton,	22	13	3					
Providence	Evelyn E. Towne,	8	19	7					1
Ash	Mary McGown,	7	21	1	2		2		
South Worcester,	Ellen M. Boyden,	10	24	1	4		1		
South Worcester,	Alma A. Grow,	7	26	2	1				
Winslow Street,	Emily J. Herrick,	28	15	6	2	2			1
Salem	Sarah E. Rogers,	14	23	3	1	3			1
Edgeworth	Alice V. Proctor,	3	31	1					5
New Worcester,	Josephine A. Hunt,	22	13	10	3				
Summer Street,	Abbie A. Wells,	12	24	3	1				1
Quinsigamond,	Helena M. Kalaher,	9	26	2	4				4
		456	459	76	39	16	5	2	22
SECONDARY, GRADE IV.									
Belmont Street,	Esther G. Chenery,	36	6	5		2			1
Dix	Susie W. Forbes,	32	9	2	3		1		
Walnut	Eunie M. Gates,	39	4	1	2		2		
Woodland	Sarah J. Melanefy,	41	4		1				1
Lamartine	Mary E. Kavanagh,	7	28	3	4	3			
Lamartine	Ellen T. Shannon,	3	26	8	2	5			1
Ledge	Frances M. Athy,	11	32	3	2	2			1
Thomas	Abbie F. Hemenway,	20	19	2	1		2		2
Thomas	Mary E. Fitzgerald,	12	19	6	2	1		1	1
Sycamore	Hattie S. Hagen,	35	8	1	2		1		3
East Worcester,	Addie J. Booth,	1	30	1	1				1
East Worcester,	Julia A. Bunker,	1	29	1	2				
Providence Street,	Nellie A. Sprout,	15	27	3	2				
Ash	Mattie A. Collins,	4	20	7		3	3		
South Worcester,	Mary O. Whitney,	12	24		5	2			
Oxford Street,	Mary L. Norcross,	40	1	3		2		1	2
Winslow	Lucy Lewissan,	39	5	3	3	1			
Salem	Mary O. Whitmore,	28	6	8	5	1			
Edgeworth	Sarah M. Brigham,	5	30	1	1	2	1		3
Summer	Ella J. Moore,	16	18	2	3	3	1		5
Adriatic,	Emma A. Porter,	6	31	4	3	1			
Union Hill,	Mary A. Kean,	25	11	5	1	1			
		428	387	69	45	29	11	2	21

SCHOOLS.	TEACHERS.	U. S.	Ireland.	Canada.	England.	Germany.	Scotland.	France.	Other Countries.
PRIMARY, GRADE III.									
Belmont Street,	Mary T. Gale,	35	9	3	1	1			
Dix "	Esther B. Smith,	42	8	1	1				2
Woodland "	Maggie I. Melanefy,	44	5				1		1
Lamartine "	Ida A. Tew,		29	8	3	5			2
Lamartine "	F. Belle Perry,	4	35	10	4	2			
Ledge "	Mary E. D. King,	12	35			1	1		
Thomas "	Hattie W. Bliss,	24	22	4	2	1		1	
Sycamore "	Sarah W. Clements,	39	15	3	4	2			
East Worcester,	Kate C. Cosgrove,		33	2	1				1
East Worcester,	Aloysia Radcliffe,	1	32	5					1
Providence Street,	Anna M. Overend,	12	17	7		1			
Providence "	Adeliza Perry,	12	13	9	1				1
Ash "	Libbie H. Day,	9	28	4	1				
South Worcester,	Lydia W. Ball,	20	13		7	1	1		1
Oxford Street,	Mary E. A. Hoyt,	41	3	3	3				1
Salem "	Emma I. Claffin,	25	26	9		3			
Edgeworth "	Jennie E. Maloney,	4	35	2	2	1			5
New Worcester,	Ada E. Simonds,	17	15	19	8				
Summer Street,	Carrie F. Merriam,	15	23	6	1				3
Quinsigamond,	Edna Currier,	5	24		3				1
Mason Street,	Mary E. Pease,	33	1	6	2	1			9
Adriatic,	Emma F. Brown,	7	31	10		4			
		401	452	111	44	24	4		28
PRIMARY, GRADE II.									
Belmont Street,	Carrie P. Townsend,	27	7	11	4	2			
Belmont "	Jennie A. Whitney,	23	12	5	4	2			3
Dix "	Alice W. Giddings,	30	4	1	5				1
Dix "	Alice E. Johnson,	30	3		8	1			2
Woodland "	Amanda H. Davie,	42	1		2				1
Lamartine "	Mary E. Fay,	2	37	10	4	2			
Ledge "	Mary V. Callaghan,	12	31	1	2				1
Thomas "	Flora J. Osgood,	14	29	9	2				1
Thomas "	Ella A. Casey,	17	27	9		1	2		1
Sycamore "	Ida A. E. Kenney,	31	16	3	1	1			
East Worcester,	Mary E. Russell,	1	47	3					
Providence Street,	S. Cornelia Chamberlin,	15	17	2	1				4
Grafton "	Bridget T. Carlon,	17	13	17	1				
Ash "	Sarah A. Boyd,	10	24	3	1		1		1
Green "	Margaret J. McCann,	27	32	8		1			
South Worcester,	Mary C. Paige,	13	23		5				
Oxford Street,	Emma J. Houghton,	50	4	2		1			
Winslow "	Hattie C. Howland,	46	5	1	3				
Edgeworth "	Addie E. Sprague,	10	28	2	3	1	1	1	4
Summer "	Mary A. Gauren,	9	19	9	1	1		2	1
Quinsigamond,	Ella E. Hall,	4	26	1	4				10
Adriatic,	Anna M. Smith,	14	23	7	2	1			
Union Hill,	Etha M. Stowell,	17	19	4		2			
		461	447	108	53	16	4	3	30
PRIMARY, GRADE I.									
Belmont Street,	Anna B. Hopkins,	33	5	9	1	1	1		4
Dix "	Annie D. Johnson,	24	9	1	2		2		
Woodland "	Ella E. Goddard,	58	11	1	2			1	4
Lamartine "	Mary A. Egan,	3	29	10	2	4			3
Lamartine "	Anna M. Murray,	7	28	9		1	1		
Ledge "	Fanny A. Williams,	3	32		1				5
Ledge "	Belle H. Crowell,	11	26	1	1		1		5
Thomas "	Nellie B. Webber,	26	20	14		2			
Sycamore "	Eliza J. Day,	32	21	9	1				

SCHOOLS.	TEACHERS.	U. S.	Ireland.	Canada.	England.	Germany.	Scotland.	France.	Other Countries.
East Worcester,	Mary J. O'Connor,	2	43	3	1				
East Worcester,	Mary R. Doherty,	8	55	7	1				
Providence Street,	Ella J. Lyford,	14	23	5					4
Grafton "	Carrie M. Adams,	18	17	20	1		1		6
Ash "	Kate A. Coughlin,	9	21	1	1		2		
South Worcester,	Kate A. Fallon,	9	21	2	3	1			
Oxford Street,	Nettie A. Murray,	30	1	3			1		
Oxford "	Mary F. Barker,	23	3	2	1	2			
Salem "	Effie J. Phelps,	19	23	14	2	1			1
Edgeworth "	Addie E. Kendall,	13	56	1	1	1			6
New Worcester,	Lillian Paul,	24	8	18					
Sum er Street,	Lilla F. Upton,	5	37	10	2				
Mason "	Effie L. Bennett,	34	7	8	3	1			
Adriatic,	Lizzie E. Chapin,	11	49	18	3	2			
		416	545	166	29	16	9	1	38
SUBURBAN SCHOOLS.									
Northville,	Eudora A. Dearborn,	21							
Tatnuck,	Mattie Howe,	36	1	1					
Valley Falls,	Eliza J. Seaver,	13	14	3	8		1		2
Trowbridgeville,	Clara A. Grout,	18		2					
Blithewood,	Arabell E. Burgess,	11			8				
Bloomingdale,	Lizzie J. Andrews,	38	2		2				
Adams Square,	Ellen M. Fitts,	20	1						
Burncoat Plain,	Minnie M. Parmenter,	16	13						
North Pond,	Elma L. Studley,	27							
Chamberlain,	Fanny R. Spurr,	10							
Lake View,	M. Rosalie Goddard,	33		1					
		243	31	7	18		1		2
AGGREGATE.									
High School ....		365	75	7	10	3	3	1	4
Grammar, Grade IX.....		121	63	2	9	6	4		4
" " VIII.....		234	127	13	28	6	4	1	8
" " VII.....		277	171	19	16	5	8		9
" " VI.....		347	342	30	33	13	6	1	9
Secondary, " V.....		456	459	76	39	16	5	2	22
" " IV.....		428	387	69	45	29	11	2	21
Primary, " III.....		401	452	111	44	24	4		28
" " II.....		461	447	108	53	16	4	3	30
" " I.....		416	545	166	29	16	9	1	38
Suburban.....		243	31	7	18		1		2
		3749	3099	608	324	134	59	11	175

Of those born in other countries, there were born in Sweden, 75; Azores, 2; Nova Scotia, 27; Denmark, 2; New Brunswick, 7; Italy, 20; Switzerland, 2; Norway, 13; Wales, 5; Portugal, 2; West Indies, 2; Prince Edward Isle, 2; Belgium, 3; Australia, 2; Russia, 1; Poland, 3; Austria, 7.

The birth places of the children in the public schools are as follows :

United States, 7,755; Ireland, 120; Canada, 95; England, 82; Germany, 9; Scotland, 22; France, 2; Sweden, 46; Africa, 1; New Brunswick, 2; Azores, 2; Denmark, 3; Italy, 5; Nova Scotia, 5; Norway, 2; West Indies, 2; Wales, 1; Belgium, 3; Poland, 1.

The parentage of children in Public Schools for the last thirteen years is as follows :—

	1867	1868	1869	1870	1871	1872	1873	1874	1875	1876	1877	1878	1879
United States .....	2,448	2,617	2,742	2,704	2,862	3,028	3,017	3,075	3,232	3,241	3,341	3,582	3,749
Canada .....	224	288	277	387	425	423	448	420	412	287	466	539	608
Ireland .....	2,509	2,547	2,500	2,888	2,763	2,920	2,702	2,744	2,802	2,858	2,880	3,055	3,099
England .....	174	206	205	257	250	290	252	157	296	287	311	316	324
Germany .....	83	85	97	123	125	140	138	115	138	155	146	160	134
Scotland .....	40	46	45	56	68	70	72	60	62	68	67	72	59
France .....	10	9	13	9	14	9	17	15	15	15	10	11	11
Other countries .....	6	20	21	30	29	71	42	67	96	104	126	138	175
Total .....	5,494	5,822	6,200	6,454	6,536	6,951	6,688	6,753	7,053	7,015	7,348	7,873	8,159
United States .....	2,448	2,617	2,742	2,704	2,862	3,028	3,017	3,075	3,232	3,241	3,341	3,582	3,749
Foreign countries .....	3,046	3,205	3,458	3,750	3,674	3,923	3,671	3,678	3,821	3,774	4,007	4,291	4,410

The above table does not include the scholars in the Evening or Drawing Schools.

#### ABSENCE AND TARDINESS.

YEARS.	Average number be- longing.	Number of half days absence.	Average to each Scholar.	Number of cases of Tardiness.	Average to each Scholar.
1867	5343	189,225	35.6	30,727	6.4
1868	5874	225,284	38.5	29,457	5.6
1869	6097	196,159	32	27,422	5
1870	6385	216,096	33.7	25,710	4.6
1871	6588	233,852	34.6	23,707	4.0
1872	6238	243,575	39	21,608	3.9
1873	6180	184,148	29.8	11,132	2.
1874	6521	166,591	24.2	15,656	2.6
1875	6705	188,438	27.1	15,648	2.3
1876	7042	192,079	29.3	15,871	2.4
1877	7003	176,635	25.2	15,256	2.3
1878	7686	188,284	24.5	16,449	2.1
1879	7745	205,681	26.5	16,956	2.2



TABLE Showing the Location, Size and Value of the School-houses and School-house Lots belonging to the School Department.

LOCATION.	Material.	Stories.	Size.	No. of School-rooms.	Condition.	Estimated value.	Size of Lots, sq. feet.	Estimated value per foot.	Amount.	Total value of Houses and Lots.	REMARKS.
High.....	Brick,	3	130 x 87	14	Good,	\$150,000	31,672	\$1.50	\$47,503	\$17,508	[Drawing Schools in this building. Ward 8 ward, rooms and rooms for Evening Hall in French roof, and three school-rooms, [and Ward 2 ward-room in basement. Hall in French roof, and one school-room. Hall in French, and three school-rooms. Hall in French roof and three school-rooms, [and Ward 4 ward-room in basement. Two L's, 52 x 21 each.
Walnut Street.....	"	2	80 x 92	6	"	30,000	9,487	1.50	14,210	44,210	
Belmont Street.....	"	3	90 x 70	11	"	32,000	31,440	.25	7,800	39,860	
Dix Street.....	"	2	96 x 60	11	"	34,500	24,000	.25	6,000	40,500	
Woodland Street.....	"	2	96 x 60	10	"	28,000	40,000	.25	10,000	38,000	
Lamarine Street.....	"	2	96 x 60	11	"	30,000	48,040	.25	9,608	39,608	
Washington Street.....	"	2	50 x 30	2	"	7,500	7,188	.75	5,391	12,891	
Thomas Street.....	"	2	86 x 60	12	"	32,500	40,670	.25	10,167	42,667	
Lodge Street.....	"	2	75 x 53	10	"	20,000	25,000	.75	18,750	38,750	
Sycamore Street.....	"	2	75 x 52	8	"	25,000	12,625	1.00	12,625	37,625	
East Worcester.....	"	2	62 x 50	6	"	18,000	18,150	.40	7,260	25,260	Hall and school-room in French roof. One school-room in Sovereigns of Industry Building. L, 51 x 33, and hall in French roof. L, 28 x 35.
East Worcester.....	"	2	62 x 50	4	"	3,000	9,040	.50	4,030	7,030	
Providence Street.....	"	4	62 x 60	8	"	20,000	58,000	.50	29,000	49,000	
Grafton Street.....	Wood,	2	24 x 46	2	Fair,	1,000	24,897	.15	4,000	5,000	
Ash Street.....	Brick,	3	55 x 51	6	"	13,500	13,400	.30	4,020	17,520	
South Worcester.....	"	2	75 x 32	9	Good,	23,000	29,184	1.00	2,918	25,918	
Oxford Street.....	"	2	66 x 51	4	"	13,000	17,200	1.25	21,500	34,500	
Winslow Street.....	"	2	62 x 50	4	"	10,000	25,009	.12	3,000	13,000	
Salem Street.....	"	2	62 x 50	4	"	13,500	12,555	.40	5,022	18,522	
Jedgeworth Street.....	"	2	62 x 50	5	"	17,000	30,760	.5	1,638	18,638	
New Worcester.....	"	2	51 x 36	5	"	10,000	14,900	.20	2,980	12,980	Hall and school-room in French roof. One school-room in Sovereigns of Industry Building. L, 51 x 33, and hall in French roof. L, 28 x 35.
Summer Street.....	Wood,	2	51 x 48	6	Poor,	3,000	18,300	.50	9,150	12,150	
Quinsigamond.....	Brick,	2	75 x 32	5	Good,	23,000	34,500	.5	1,725	24,725	
Mason Street.....	"	2	44 x 30	2	"	6,000	13,200	.15	1,980	7,980	
Adriatic.....	Wood,	2	45 x 30	4	Fair,	3,600	25,000	.10	2,500	6,100	
Union Hill.....	"	2	38 x 28	2	"	2,000	11,000	.10	1,100	3,100	
Northville.....	Brick,	1	73 x 30	2	Good,	6,000	34,875	...	1,500	6,500	
Tannock.....	"	2	43 x 32	2	"	3,000	11,500	...	300	5,300	
Valley Falls.....	Wood,	1	25 x 22	1	Old,	500	4,988	...	100	600	
Towbridgeville.....	"	1	25 x 30	1	"	300	5,050	...	375	75	
Blithewood.....	"	1	36 x 28	1	Good,	1,500	43,560	...	100	1,600	Hall and school-room in French roof. One school-room in Sovereigns of Industry Building. L, 51 x 33, and hall in French roof. L, 28 x 35.
Bloomington.....	Brick,	1	40 x 32	1	Fair,	3,000	14,000	...	200	3,200	
Adams Square.....	"	1	40 x 32	1	Good,	2,800	22,360	...	300	3,100	
Bunoco Plain.....	"	1	40 x 28	1	"	2,500	21,500	...	200	2,700	
North Pond.....	Wood,	1	40 x 32	1	Fair,	1,600	20,300	...	300	1,900	
Chamberlain.....	"	1	38 x 22	1	"	1,200	21,780	...	100	1,300	
Lake View.....	"	1	44 x 30	1	Good,	1,600	15,654	...	400	2,000	
				183		\$397,100	19½ acres.		\$246,417	\$843,517	



# ORGANIZATION OF THE SCHOOL COMMITTEE

## OF THE

# CITY OF WORCESTER,

## JANUARY, 1880.

---

FRANK H. KELLEY, *President.*

ALBERT P. MARBLE, *Sup't and Sec'y.*

464 MAIN STREET.

---

Members whose term expires  
January, 1883.

REBECCA BARNARD,  
SARAH B. EARLE,  
JOHN J. CASEY,  
THOMAS J. CONATY,  
OWEN H. CONLIN,  
ASAPH R. MARSHALL,  
EMERSON WARNER,  
GEORGE E. FRANCIS,

Members whose term expires  
January, 1882.

EDWARD H. HALL,  
CHARLES M. LAMSON,  
JAMES P. TUI TE,  
JOHN B. COSGROVE,  
JOHN TIMON,  
ALZIRUS BROWN,  
JOSEPH M. BASSETT,  
GEORGE SWAN,

Members whose term expires  
January, 1881.

CALEB B. METCALF,  
ANNE B. ROGERS,  
TIMOTHY H. MURPHY,  
JEREMIAH MURPHY,  
RICHARD O'FLYNN,  
FRANCIS P. GOULDING,  
EDWIN T. MARBLE,  
RUFUS WOODWARD.

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## STANDING COMMITTEES.

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ON SCHOOL HOUSES.—Messrs. Brown, J. Murphy, Timon, Marble and Francis.

ON BOOKS AND APPARATUS.—Mr. Warner, Mrs. Earle, Messrs. O'Flynn, Tuite and Goulding.

ON TEACHERS.—Superintendent *ex-officio*, and Messrs. Metcalf, Conaty, Hall, Woodward and Lamson.

ON FINANCE.—The Mayor *ex-officio*, Messrs. Swan, Bassett, Marshall, T. H. Murphy and Conlin.

ON APPOINTMENTS.—Superintendent *ex-officio*, Mrs. Rogers, Messrs. Cosgrove, Metcalf, Casey and Miss Barnard.

The Committee of Visitation shall exercise a general supervision over the schools to which they are severally assigned, and shall visit them according to the provisions of the statutes, not less than once in four weeks, and generally during the week preceding the monthly meeting of the Board, at which they shall report their condition.—[Rules, Chap. 3, Sec. 6.]

Though each school is assigned to a special committee, yet every member of the Board shall consider it his duty to watch over all the public schools of the city, to attend their examinations, and visit them at other times as his convenience will permit.—[Sec. 7.]

## VISITING COMMITTEES.

### HIGH SCHOOL.

COMMITTEE.	TEACHERS.	SALARY.
GOULDING.		
Metcalf,	{ Samuel Thurber, Principal.....	\$2,430
	{ Alfred S. Roe.....	1,800
Conaty,	{ Walter C. Hill.....	1,500
	{ A. Carey Field.....	1,200
Lamson,	{ John F. Jameson .....	900
	{ Edwin T. Painter.....	700
Warner,	{ Florence V. Beane.....	765
	{ Mary A. Parkhurst .....	765
Hall,	{ Kate M. Sanderson.....	810
	{ Mary E. Colvin.....	720
Mrs. Rogers,	{ Josephine L. Sanborn.....	765
	{ William D. Mackintosh.....	900
Tuite,	{ Mary P. Jeffs.....	700
	{ Nellie M. White.....	500

The ROMAN NUMERALS designate the ROOMS to which members of committees are especially assigned, and the GRADES according to the course of study.

### BELMONT STREET.

Committee.	Teachers.	Grade.	Salary.
Mrs. Earle,	Arthur G. Lewis, Principal.....	IX.	\$1,620
Mrs. Earle,	Emma C. McClellan, Asst.....		540
Mrs. Earle,	Mary H. Warren .....	VIII.	540
Mrs. Earle,	Sarah L. Phillips .....	VII.	520
Conlin,	Tirzah S. Nichols.....	VI.	520
Conlin,	Jennie L. Dearborn.....	VI.	520
Conlin,	Abbie J. Reed.....	V.	495
Conlin,	Esther G. Chenery.....	IV.	495
Bassett,	Mary T. Gale.....	III.	495
Bassett,	Carrie P. Townsend.....	II.	450
Bassett,	Jennie A. Whitney.....	II-I.	450
Bassett,	Anna B. Hopkins.....	I.	450

<i>Committee.</i>	<i>Teachers.</i>	<i>Grade.</i>	<i>Salary.</i>
DIX STREET.			
Swan,	William H. Bartlett, Principal.....	IX.	\$1,620
Swan,	Clara Manley, Assistant.....		540
Swan,	Eldora M. Aldrich.....	VIII..	540
Swan,	Josephine M. Wilson.....	VII.	520
	[ <i>Effie F. Kinne</i> ].....		
Tuite,	Minnie Meade.....	VI.	520
Tuite,	Abbie N. Hoxie.....	V.	495
	[ <i>Mary E. Houghton</i> ].....		
Tuite,	Susie W. Forbes.....	IV.	475
Miss Barnard,	Esther B. Smith.....	III.	495
Miss Barnard,	Alice W. Giddings.....	II.	450
Miss Barnard,	Alice E. Johnson.....	II.	450
Miss Barnard,	Effie J. Phelps.....	I.	450
WALNUT STREET.			
Francis,	Etta A. Rounds, Principal.....	VIII.	630
Francis,	Nellie C. Thomas.....	VII.	520
Francis,	Kate A. Meade.....	VI.	520
Lamson,	Caroline H. Metcalf.....	V.	520
Lamson,	Ella M. McFarland.....	V.	495
Lamson,	Eunie M. Gates.....	IV.	475
	[ <i>Mary F. Harrington</i> ].....		
WOODLAND STREET.			
Timon,	Edward I. Comins, Principal.....	IX.	1,620
Timon,	Annie C. Wyman, Assistant.....		540
Timon,	Ann S. Dunton.....	VIII.	520
Timon,	Mary M. Lawton.....	VII.	520
Goulding,	Janet Martin.....	VI.	520
Goulding,	Carrie R. Clements.....	V.	495
Goulding,	Martha T. Wyman.....	V-IV.	495
Goulding,	Sarah J. Melanefy.....	IV-III.	475
Francis,	Maggie I. Melanefy.....	III.	450
Francis,	Amanda H. Davie.....	II.	450
Francis,	{ Ella E. Goddard.....	I.	450
	{ Emma Buckley.....		405
WASHINGTON STREET.			
Bassett,	Charles T. Haynes, Principal.....	IX.	1,620
Bassett,	Amanda M. Phillips, Assistant.....		540
Bassett,	M. Ella Spalding.....	VIII.	520
LAMARTINE STREET.			
O'Flynn,	Charles T. Haynes, Principal.....		
O'Flynn,	J. Chauncey Lyford.....	VII.	800
O'Flynn,	Mary A. Harrington.....	VI.	520
O'Flynn,	Josie M. Ware.....	V.	495
O'Flynn,	Louise A. Dawson.....	V.	495
Brown,	Mary E. Kavanagh.....	IV.	475
Brown,	Ellen T. Shannon.....	IV.	495
Brown,	Ida A. Tew.....	III.	450
Brown,	F. Belle Perry.....	III.	450
Casey,	Mary E. Murphy.....	II.	450
Casey,	Mary A. Egan.....	I.	450
Casey,	Anna M. Murray.....	I.	450

<i>Committee.</i>	<i>Teachers.</i>	<i>Grade.</i>	<i>Salary.</i>
LEDGE STREET.			
Marble,	Charles C. Woodman, Principal.....	IX.	\$1,620
Marble,	Margaret M. Geary, Assistant.....		540
Marble,	Emma L. Cowles.....	VIII.	520
Marble,	Maria P. Cole.....	VII.	520
Marble,	Eliza E. Cowles.....	VII.	520
Swan,	Mary J. Packard.....	VI.	520
Swan,	Kate A. McCarthy.....	VI-V.	520
Swan,	Alice G. McMahon.....	V.	495
Swan,	Frances M. Athy.....	IV.	475
T. H. Murphy,	Mary E. D. King.....	III.	450
T. H. Murphy,	Mary V. Callaghan.....	II.	495
T. H. Murphy,	Ida F. Boyden.....	II-I.	450
T. H. Murphy,	Fanny A. Williams.....	I.	450
THOMAS STREET,			
Lamson,	Harriet G. Waite, Principal.....	VIII-VII.	945
Lamson,	Anna J. Hitchcock, Assistant.....		520
Lamson,	Abbie C. Souther.....	VI.	520
Lamson,	S. Lizzie Wedge.....	V.	495
Marshall,	Belle H. Tucker.....	V.	495
Marshall,	Mary E. Fitzgerald.....	IV.	475
Marshall,	Abbie F. Hemenway.....	IV.	475
Mrs. Rogers,	Hattie W. Bliss.....	III.	450
Mrs. Rogers,	Flora J. Osgood.....	II.	450
Mrs. Rogers,	Ella A. Casey.....	II-I.	450
Mrs. Rogers,	Nellie B. Webber.....	I.	450
SYCAMORE STREET.			
Woodward,	Abbie E. Clough, Principal.....	VIII.	675
Woodward,	M. Louise Rice.....	VII.	520
Woodward,	A. Teresa Timon.....	VI.	520
Woodward,	Susie A. Partridge.....	V.	495
Timon,	Hattie S. Hagen.....	IV.	475
Timon,	Sarah W. Clements.....	III.	495
Timon,	Ida A. E. Kenney.....	II.	450
Timon,	Eliza J. Day.....	I.	450
EAST WORCESTER.			
Tuite,	Ella W. Foskett, Principal.....	VI.	675
Tuite,	Minnie W. Sherman, Assistant.....		495
Tuite,	Annie Brown.....	V.	495
Tuite,	Mary E. C. Carroll.....	V.	495
Hall,	Addie J. Booth.....	IV.	475
Hall,	Julia A. Bunker.....	IV.	475
Hall,	Kate C. Cosgrove.....	III.	450
Marshall,	Aloysia Radcliffe.....	III.	495
Marshall,	Mary E. Russell.....	II.	450
Marshall,	Mary J. O'Connor.....	I.	450
Marshall,	Mary R. Doherty.....	I.	450

<i>Committee.</i>	<i>Teachers.</i>	<i>Grade.</i>	<i>Salary.</i>
PROVIDENCE STREET.			
Mrs. Rogers,	L. Elizabeth King, Principal .....	VII-VI.	\$585
Mrs. Rogers,	Sarah J. Newton.....	V.	495
Mrs. Rogers,	Nellie A. Sprout.....	IV.	475
O'Flynn,	Anna M. Overend.....	III.	450
O'Flynn,	S. Cornelia Chamberlin.....	II.	450
O'Flynn,	Ella J. Lyford .....	I.	450
GRAFTON STREET.			
Cosgrove,	Bridget T. Carlon, Principal.....	VI-V	540
Cosgrove,	Evelyn E. Towne .....	IV,	495
Cosgrove,	Adeliza Perry .....	III.	475
Mrs. Earle,	Margaret J. McCann .....	II.	450
Mrs. Earle,	Carrie M. Adams .....	II-I.	450
Mrs. Earle,	Maggie A. Flaherty .....	I.	405
ASH STREET.			
Goulding,	Mary J. Mack, Principal .....	VI.	630
Goulding,	Mary McGown.....	V.	495
Goulding,	Mattie A. Collins .....	IV.	475
Casey,	Libbie H. Day.....	III.	450
Casey,	Sarah A. Boyd.....	II.	450
Casey,	Kate A. Coughlin.....	I.	450
SOUTH WORCESTER.			
J. Murphy,	Carrie A. George, Principal.....	VIII.	675
J. Murphy,	Mary A. Tyler, ( <i>Mary E. Fay.</i> ).....	VII.	520
J. Murphy,	Amelia M. Walker.....	VI.	520
Warner,	Ellen M. Boyden .....	V.	495
Warner,	Alma A. Grow .....	V.	495
Warner,	Esther E. Travis, ( <i>Mary O. Whitney.</i> )....	IV.	475
Cosgrove,	Lydia W. Ball.....	III.	450
Cosgrove,	Mary C. Paige.....	II.	450
Cosgrove,	Kate A. Fallon .....	I.	450
OXFORD STREET.			
Warner,	Ella L. Dwyer, Prin., ( <i>Ella K. Morgan.</i> )..	VI.	565
Warner,	Mary L. Norcross, .....	IV.	475
Warner,	Emma J. Houghton .....	II.	450
Warner,	Nettie A. Murray .....	I.	405
PLEASANT STREET (CHAPEL.)			
Conaty,	Mary E. A. Hoyt .....	III.	450
Conaty,	Mary F. Barker.....	II-I.	450
WINSLOW STREET.			
Hall,	Amy E. Hopson, Principal .....	VII.	540
Hall,	Emily J. Herrick.....	V.	495
Marble,	Lucy Lewisson .....	IV.	475
Marble,	Hattie C. Howland.....	II.	450

<i>Committee.</i>	<i>Teachers.</i>	<i>Grade.</i>	<i>Salary.</i>
SALEM STREET.			
Conaty,	Minnie F. Whittier, Principal . . . . .	VI-V	\$540
Conaty,	Mary O. Whitmore . . . . .	IV.	475
Goulding,	Emma I. Clafin . . . . .	III-II.	450
Goulding,	Belle H. Crowell . . . . .	I.	450
EDGEWORTH STREET.			
Metcalf,	Ella E. Roper, Principal . . . . .	VI.	540
Metcalf,	Alice V. Proctor . . . . .	V.	495
Metcalf,	Sarah M. Brigham . . . . .	IV.	475
J. Murphy,	Jennie E. Maloney . . . . .	III.	450
J. Murphy,	Addie E. Sprague . . . . .	II.	405
J. Murphy,	{ Addie E. Kendall . . . . .	I.	450
	{ Marion C. Tucker . . . . .		405
NEW WORCESTER.			
Brown,	Charlotte H. Munger, Principal . . . . .	VIII-VII.	675
Brown,	S. Lizzie Carter . . . . .	VI-V.	520
Brown,	Josephine A. Hunt . . . . .	V-IV.	495
O'Flynn,	Ada E. Simonds . . . . .	III-II.	450
O'Flynn,	Lillian Paul . . . . .	I.	450
SUMMER STREET.			
T. H. Murphy,	Abbie A. Wells, Principal . . . . .	V.	540
T. H. Murphy,	Ella J Moore . . . . .	IV.	475
T. H. Murphy,	Carrie F. Merriam . . . . .	III.	450
Woodward,	Mary A. Gauren . . . . .	II	450
Woodward,	Lilla F. Upton . . . . .	I.	450
QUINSIGAMOND.			
Marshall,	Mary S. Eaton, Principal . . . . .	VII-VI.	540
Marshall,	Helena M. Kalaher . . . . .	V-IV.	495
Cosgrove,	Edna Currier . . . . .	III-II.	450
Cosgrove,	Ella E. Hall . . . . .	II-I.	450
MASON STREET.			
Miss Barnard,	Mary E. Pease, Principal . . . . .	III.	495
Miss Barnard,	Effie L. Bennett . . . . .	I.	450
ADRIATIC.			
Conlin,	Emma A. Porter, Principal . . . . .	IV.	520
Conlin,	Emma F. Brown . . . . .	III.	450
Conlin,	Anna M. Smith . . . . .	II.	450
Swan,	{ Lizzie E. Chapin . . . . .	I.	450
Swan,	{ Mary A. Rourke . . . . .		405
UNION HILL.			
Casey,	Mary A. Kean, Principal . . . . .	IV-III.	495
Casey,	Etha M. Stowell . . . . .	II-I.	450



<i>Committee.</i>		<i>Teacher.</i>	<i>Salary.</i>
	SUBURBAN.		
Miss Barnard,	Northville,	Eudora A. Dearborn.	\$450
Brown,	Tatnuck,	Mattie Howe.	495
Mrs. Earle,	Valley Falls,	Eliza J. Seaver.	450
Francis,	Trowbridgeville,	Clara A. Grout.	450
Woodward,	Blithewood,	Arabell E. Burgess.	450
Casey,	Bloomingtondale,	Lizzie J. Andrews.	450
Warner,	Adams Square,	Ellen M. Fitts.	450
Metcalf,	Burncoat Plain,	Minnie M. Parmenter.	450
J. Murphy,	North Pond,	Elma L. Studley.	450
Cosgrove,	Chamberlain,	Fanny R. Spurr.	405
Hall,	Lake View,	M. Rosalie Goddard.	405

## DRAWING.

Walter S. Perry, Teacher, \$1,200.

*Committee.*

Mrs. Rogers, Marble, Mrs. Earle, Hall, J. Murphy.

## MUSIC.

Seth Richards, Teacher, \$1,350.

*Committee.*

Metcalf, Cosgrove, Woodward, Bassett, Tuite.

## EVENING SCHOOLS.

*Committee.*

Marble, Conaty, Miss Barnard, Mrs. Earle, Francis.

WASHINGTON STREET—Phillip J. Nolan, Principal  
 SOUTH WORCESTER—Francis P. McKeon, Principal.  
 WALNUT STREET—Edward J. O'Neil, Principal.  
 NEW WORCESTER—Nellie L. Phetteplace, Principal.  
 DIX STREET—Arthur H. Harrington, Principal.  
 BELMONT STREET—William T. Souther, Principal.

## TRUANT OFFICERS.

Henry E. Fayerweather, \$900.

Wm. Hickey, \$900.

## SCHOOL CALENDAR FOR 1880.

*Vacation Periods indicated by Full Face Figures,*

1880.	Sunday.	Monday.	Tuesday.	Wednesday.	Thursday.	Friday.	Saturday.	1880.	Sunday.	Monday.	Tuesday.	Wednesday.	Thursday.	Friday.	Saturday.
JAN'Y.	4 11 18 25	5 12 19 26	6 13 20 27	7 14 21 28	1 8 15 22 29	2 9 16 23 30	3 10 17 24 31	JULY.	4 11 18 25	5 12 19 26	6 13 20 27	7 14 21 28	1 8 15 22 29	2 9 16 23 30	3 10 17 24 31
FEB.	1 8 15 22 29	2 9 16 23	3 10 17 24	4 11 18 25	5 12 19 26	6 13 20 27	7 14 21 28	AUG.	1 8 15 22 29	2 9 16 23 30	3 10 17 24 31	4 11 18 25	5 12 19 26	6 13 20 27	7 14 21 28
MARCH.	7 14 21 28	8 15 22 29	9 16 23 30	1 10 17 24 31	2 11 18 25	3 12 19 26	4 13 20 27	SEPT.	5 12 19 26	6 13 20 27	7 14 21 28	8 15 22 29	9 16 23 30	10 17 24 25	11 18 25
APRIL.	4 11 18 25	5 12 19 26	6 13 20 27	7 14 21 28	1 8 15 22 29	2 9 16 23 30	3 10 17 24	OCTOBER.	3 10 17 24 31	4 11 18 25	5 12 19 26	6 13 20 27	7 14 21 28	1 8 15 22 29	2 9 16 23 30
MAY.	2 9 16 23 30	3 10 17 24 31	4 11 18 25	5 12 19 26	6 13 20 27	7 14 21 28	1 8 15 22 29	NOV.	7 14 21 28	1 8 15 22 29	2 9 16 23 30	3 10 17 24	4 11 18 25 *	5 12 19 26	6 13 20 27
JUNE.	6 13 20 27	7 14 21 28	1 8 15 22 29	2 9 16 23 30	3 10 17 24	4 11 18 25	5 12 19 26	DEC.	5 12 19 26	6 13 20 27	7 14 21 28	1 8 15 22 29	2 9 16 23 30	3 10 17 24	4 11 18 25

The 1st Term begins December 1, 1879, and ends Feb. 14th, 1880, comprising 10 weeks.

" 2d " February 23, 1880, " April 24th, " " 9 "

" 3d " May 3, " " July 3d, " " 9 "

" 4th " Sept. 6, " " Nov. 27th " " 12 "

\* Assuming that Thanksgiving Day will be Thursday, November 25th.

# APPENDIX I.

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## LIST OF SCHOOL BOOKS AUTHORIZED.

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Changes in this list can be made only in June ; notice of the proposed change must be given at the regular meeting of the School Committee in either March, April or May. Printed lists of the books for each grade, may be obtained at the Superintendent's office, at the beginning of the school year, September 1. Books used in a previous grade are marked with a star \*.

### GRADE I.

Franklin Primer or First Reader.

### GRADE II.

Franklin Second Reader..

Worcester's Primary Speller.

First Music Reader (Mason's).

\*Slate and Pencils.

### GRADE III.

Franklin Third Reader.

\*Worcester's Primary Speller.

\*First Music Reader.

Smith's Drawing Book, No. 1, new series.

\*Slate and Pencils.

### GRADE IV.

Franklin Fourth Reader.

\*Worcester's Primary Speller.

Colburn's Arithmetic (Mental. First Lessons.)

Guyot's Introductory Geography.

Second (or Intermediate) Music Reader.

Smith's Intermediate Drawing Book.

Nos. 1 and 2, new series.

Writing Primer. Parts 1 and 2. ("Duplex" Williams & Packard.)

\*Slate and Pencil.

Pen and Holder.

### GRADE V.

Franklin Intermediate Reader.

Worcester's Pronouncing Speller.

Swinton's Language Primer.

Eaton's Elements of Arithmetic.

\*Colburn's Arithmetic.

Guyot's New Intermediate Geography.

\*Second(the Intermediate)Music Reader.

Testament.

Smith's Free Hand Drawing Book. Nos. 3 and 4. New Series.

Writing Book, No. 1.

\*Slate and Pencil.

\*Pen and Holder.

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\* Starred books are brought from the lower grade.

## GRADE VI.

Franklin Fifth Reader.  
 \*Worcester's Pronouncing Speller.  
 Swinton's New Language Lessons.  
 \*Eaton's Elements of Arithmetic.  
 \*Colburn's Arithmetic.  
 \*Guyot's New Intermediate Geography.  
 \*Third Music Reader (if the pupil has not the Intermediate.)  
 \*Testament. Dictionary.  
 Smith's Free Hand Drawing Book. Nos. 5 and 6. New Series.  
 Writing Book, No. 2.  
 \*Slate and Pencil.  
 \*Pen and Holder.

## GRADE VII.

\*Franklin Fifth Reader.  
 \*Worcester's Pronouncing Speller.  
 \*Swinton's New Language Lessons.  
 Eaton's Common School Arithmetic.  
 \*Colburn's Arithmetic.  
 \*Guyot's New Intermediate Geography.  
 \*Third Music Reader.  
 \*Testament. Dictionary.  
 Smith's Free Hand Drawing Book. No. 4. Old Series.  
 Writing Book, No. 2.  
 \*Slate and Pencil.  
 \*Pen and Holder.

## GRADE VIII.

Franklin Sixth Reader.  
 \*Worcester's Pronouncing Speller.  
 \*Swinton's New Language Lessons.  
 \*Eaton's Common School Arithmetic.  
 \*Colburn's Arithmetic.  
 Guyot's Grammar School Geography.  
 Fourth Music Reader.

\*Testament. Dictionary.  
 Smith's Free Hand Drawing Book. No. 5 Old Series.  
 Writing Book, No. 3.  
 \*Slate and Pencil.  
 \*Pen and Holder.

## GRADE IX.

\*Franklin Sixth Reader.  
 \*Worcester's Pronouncing Speller.  
 (Soule and Campbell's Pronouncing Hand Book, or Edwards and Adams's Speller may be substituted, at the option of the Principal.)  
 Swinton's New School Composition.  
 \*Eaton's Common School Arithmetic.  
 \*Guyot's Grammar School Geography.  
 Anderson's Grammar School History. (U. S.)  
 \*Fourth Music Reader.  
 \*Testament. Dictionary.  
 Smith's Free Hand Drawing Book, No. 6. Old Series.  
 Writing Book, No. 3.  
 \*Slate and Pencil.  
 \*Pen and Holder.

## SUBURBAN SCHOOLS.

Each pupil needs the books of the grade to which he has advanced.

## HIGH SCHOOL.

† *Preparatory Class — Corresponding to Grade IX.*

Hudson's Classical Reader.  
 \*Worcester's Pronouncing Speller. (The same option as in Grade IX.)  
 Harkness' Latin Grammar and Latin Reader.  
 \*Eaton's Common School Arithmetic.  
 \*Guyot's Grammar School Geography.

† This class is designed for pupils who need an extra year in preparation for College. See School Report for 1877.

Anderson's Grammar School History.  
(U. S.)

High School (or Fifth) Music Reader.  
Dictionary.

Writing Book, No.

‡ FIRST YEAR.

Hudson's Classical English Reader.  
Anderson's Spelling Book for Advanced  
Classes.  
A. S. Hill's Treatise on Punctuation.  
Harkness' Latin Grammar and Latin  
Reader.  
Otto's German Grammar.  
Bradbury's Elementary Algebra.  
Meservey's Book Keeping.  
Guyot's Physical Geography.  
Swinton's Outlines of History.  
High School Music Reader.

SECOND YEAR.

\*Hudson's Classical English Reader.  
\*Adams's Spelling Book for Advanced  
Classes.  
\*Harkness' Latin Grammar.  
Cæsar's Commentaries.  
White's Greek Lessons.  
Goodwin's Greek Grammar.  
\*Otto's German Grammar.  
Whitney's German Reader.  
Keetel's Child's First Book in French.  
Loomis's Geometry.  
Higginson's United States History.  
Norton's Elements of Physics.  
\*High School Music Reader.

THIRD YEAR.

Hudson's Text Book of Prose.  
\*Adams's Spelling Book for Advanced  
Classes.  
Hart's Rhetoric.  
\*Harkness' Latin Grammar.  
Cicero's Orations.  
Virgil's Works.  
Harkness' Latin Prose Composition.  
\*Goodwin's Greek Grammar.  
Xenophon's Anabasis.  
\*Otto's German Grammar.  
\*Whitney's German Reader.  
\*Keetel's Analytical French Grammar.  
Pylodet's Literature Francaise.  
Smith's Ancient Histories.  
Eliot and Storer's Chemistry.  
\*High School Music Reader.

FOURTH YEAR.

\*Hudson's Text Book of Prose.  
\*Adams's Spelling Book for Advanced  
Classes.  
Shaw's New English Literature.  
\*Harkness' Latin Grammar.  
\*Virgil's Works.  
\*Cicero's Orations.  
\*Goodwin's Greek Grammar.  
Homer's Iliad.  
Herodotus' Seventh Book.  
Jones's Greek Prose Composition.  
\*Otto's German Grammar.  
\*Whitney's German Reader.  
\*Keetel's Analytical French Grammar.  
Lockyer's Astronomy.

‡ Each year's list includes books for all courses: English, Classical and College.

With the approval of the High School Committee and the Principal, a teacher may conduct a class through any study without the text-book; giving the instruction orally, by lecture or conversation. With the same approval, a teacher of French or German may select from appropriate texts for reading, such as seem best fitted for any class.

\* Used in previous years.

Dana's Geology. New Edition.

Gray's How Plants Grow.

Mrs. Fawcett's Political Economy.

Martin's Civil Government.

\*High School Music Reader.

#### DRAWING IN THE HIGH SCHOOL.

The study is optional.

##### *Architectural Class :*

Plans, elevation, sections, and details

of a house. Prepared by Prof. Ware,  
Mass. Institute of Technology.

##### *Mechanical Class :*

Scale drawing of whole and parts of  
stationary engine, and drawings of  
common objects, by Otto Fuschs.

##### *Crayon Class :*

Copies of Fruits and Heads—after  
several artists.



REFERENCE AND OTHER BOOKS UPON THE TEACHERS' DESKS,  
FURNISHED BY THE CITY.

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*For Every Grade.*

Complete set of the text books of the grade.

New Testament or Bible.

Dictionary, Comprehensive or Academic, Grades . . . . . I. — V.

Dictionary, Octavo, Grades . . . . . VI. — IX.

*For Each Building.*

Mason's Music Charts, Nos. 1 and 2.

Wall Maps,—Guyot's, Camp's, or Cornell's.

	For Grades.
Set of Reading Tablets, . . . . .	I. — II.
Sheldon's Manual of Elementary Instruction, . . . . .	I. — II.
Monthly Reader, Magazine, . . . . .	I. — II.
Color Charts and Cards, . . . . .	I. — III.
Animal Charts, or Prang's Natural History Series, . . . . .	I. — III.
Numeral Frame, . . . . .	I. — III.
Smith's Primary Drawing Manual, . . . . .	I. — III.
Tilton's Needle-Work Series, No. 4, (where sewing is taught), . . . . .	I. — IV.
Form Blocks, . . . . .	I. — IV.
Child's Book of Language, (Teachers' Edition), . . . . .	I. — IV.
Nursery, Magazine, . . . . .	II. — III.
Swinton's Language Primer, . . . . .	II. — IV.
Small City Maps, . . . . .	III.
Sheldon's Object Lessons, . . . . .	III. — IV.
Hooker's Child's Book of Nature, . . . . .	III — V.
Harper's Introductory Geography, . . . . .	IV. — V.
Smith's Intermediate Drawing Manual, . . . . .	IV. — VII.
St. Nicholas, Magazine, . . . . .	IV. — VII.
Monroe's Vocal Gymnastics, . . . . .	IV. — IX.
Wickersham's School Economy, . . . . .	V. — IX.
Gow's Morals and Manners, . . . . .	V. — IX.
Payson, Dunton & Scribner's Manual of Penmanship, . . . . .	V. — IX.
Payson, Dunton & Scribner's Writing Tablets, . . . . .	V. — IX.
Globe, . . . . .	V. — IX.
Lippincott's Gazetteer, . . . . .	V. — IX.
Moore's What to Read and How to Read, . . . . .	VI. — IX.
Catalogue of Free Public Library, with monthly additions, . . . . .	VI. — IX.
Harper's School Geography, . . . . .	VI. — IX.
Our World Geography, No. 2, . . . . .	VI. — IX.

Intermediate Geography, Eclectic Series, . . . . .	VI. — IX.
Wentworth's Arithmetical Problems, . . . . .	VI. — IX.
Higginson's History, (U. S.) . . . . .	VI. — IX.
Bradbury's Eaton's Practical Arithmetic, . . . . .	VI. — IX.
The Franklin Written Arithmetic, . . . . .	VI. — IX.
White's Arithmetic, . . . . .	VI. — IX.
Regent's Questions, (N. Y.) . . . . .	VI. — IX.
Hagar's Arithmetic, . . . . .	VI. — IX.
Greenleaf's Arithmetic, . . . . .	VI. — IX.
Green's Analysis, . . . . .	VI. — IX.
Bullion's Grammar, . . . . .	VI. — IX.
Kerl's Grammar, . . . . .	VI. — IX.
Selection's from American Authors, . . . . .	VIII. — IX.
Boys of '76, . . . . .	VIII. — IX.
Smith's Grammar School Manual, . . . . .	VIII. — IX.
Eliot's History, (U. S.) . . . . .	IX.
Field Book of the American Revolution, Lossing, . . . . .	IX.
Metric Chart, . . . . .	IX.
Physiological Chart, (Cutter) . . . . .	IX.
Cyclopædias.—Appleton's, Chambers's, Johnson's, or Zell's.—	
One in each building having a grade above the Fifth,	VI. — IX.
Anderson's Historical Reader, . . . . .	VI. — IX.
Guyot's Physical Geography, * . . . .	IX.
Civil Government, . . . . .	IX.

To this list others ought soon to be added.

Catalogues of High School Library of Reference, and other books.—In preparation.

Catalogue of Public School Library at Superintendent's Office, for use of Teachers, and members of the School Committee.—In manuscript.

## COST OF SCHOOL BOOKS FOR PRIMARY AND GRAMMAR SCHOOLS.

These prices are for January, 1880. They are liable to change from year to year.

	Retail Price.
GRADE I.	
First Reader, . . . . .	\$ .20
GRADE II.	
Second Reader, . . . . .	\$ .35
Primary Speller, . . . . .	.20

First Music Reader,	. . . . .	.25	
Slate and Pencil,	. . . . .	.10	
		<hr/>	\$ .90

GRADE III. (*Additional.*)

Third Reader,	. . . . .	\$ .45	
Drawing Book,	. . . . .	.10	
		<hr/>	\$ .55

GRADE IV. (*Additional.*)

Fourth Reader,	. . . . .	\$ .60	
Colburn's Arithmetic,	. . . . .	.33	
Introductory Geography,	. . . . .	.75	
Second Music Reader,	. . . . .	.35	
(The "Intermediate" includes both the Second and the Third, 60c.)			
2 Drawing Books,	. . . . .	.20	
Writing Book,	. . . . .	.12	
		<hr/>	\$2.35

GRADE V. (*Additional.*)

Intermediate Reader,	. . . . .	\$ .63	
Pronouncing Speller,	. . . . .	.30	
Language Primer,	. . . . .	.35	
Elements of Arithmetic,	. . . . .	.40	
New Intermediate Geography,	. . . . .	1.25	
Testament,	. . . . .	.10	
2 Drawing Books,	. . . . .	.20	
Writing Book,	. . . . .	.12	
		<hr/>	\$3.35

GRADE VI. (*Additional.*)

Fifth Reader,	. . . . .	\$1.05	
New Language Lessons,	. . . . .	.48	
Third Music Reader,	. . . . .	.35	
2 Drawing Books,	. . . . .	.20	
Writing Book,	. . . . .	.12	
		<hr/>	\$2.20

GRADE VII. (*Additional.*)

Common School Arithmetic,	. . . . .	\$ .80	
Drawing Book,	. . . . .	.20	
Writing Book,	. . . . .	.12	
New Slate, probably	. . . . .	.15	
		<hr/>	\$1.27

GRADE VIII. (*Additional.*)

Sixth Reader,	. . . . .	\$1.15	
Grammar School Geography,	. . . . .	1.60	

Fourth Music Reader, . . . . .	.90	
Drawing Book, . . . . .	.20	
Writing Book, . . . . .	.12	
	<hr/>	\$3.97

GRADE IX. (*Additional.*)

New School Composition, . . . . .	\$ .42	
Grammar School History, . . . . .	1.00	
Drawing Book, . . . . .	.20	
Writing Book, . . . . .	.12	
	<hr/>	\$1.74
For Pens and Pencils through the Grades, say, . . . . .		\$2.00
		<hr/>
		\$17.63

This is the whole cost to the parent, of educating a child nine years in the public schools. More fault has been found with the "enormous cost of school books," than the facts will warrant. In case a parent is blessed with several children, the books may be handed down from one to another; and thus the cost for each is very much lessened. The cost may sometimes be reduced still more by buying second-hand books, or by selling those no longer used by the pupil. No estimate is here made of books destroyed. Any child may spoil all his books every term; just as he may destroy his clothes. If the School Committee see fit to introduce a new book, it must always be done without cost to the pupil.

## APPENDIX II.

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### TOPICS OF THE DAY.

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WORCESTER, FEBRUARY 21, 1880.

**The Poncas** have at length been called to repeat their story before the authorities at Washington. No act of Congress can undo the wrongs already done; but it is believed their testimony will lead to wiser and more humane counsels on the part of the Government, not only in its dealings with them, but with all the other Indian tribes. Bright Eyes still accompanies the party as interpreter, and there, as elsewhere, is winning the respect of all by her unaffected manners and the ability with which she renders into English the pithy speeches of her brethren. During the examination a paper was exhibited purporting to be a petition from a large number of Ponca chiefs and heads of families, for a removal to Indian Territory. When Standing Bear caught the real meaning of the document, his expression is said to have been worthy of his name. They had supposed it to be a protest against the proposed change. "That's the way the white men always do," was his comment, "they say one thing and write another."

**A committee** was appointed by Congress last spring, "to take into consideration," the order reads, "the locating and deepening the channel of the Mississippi—to devise such works as will serve to protect its banks, give safety and ease to navigation, prevent destruction by floods, promote and facilitate commerce," etc. The surveys are now almost completed, and more than a thousand laborers have been set to work in carrying forward the proposed improvements. Capt. Eads, a member of the commission and an accomplished engineer, has been for some months in Europe acquainting himself with the details of similar works on the Danube and other Old World rivers, and everything possible will be done to make the navigation of this great highway easy and safe. The completion of this work must not only vastly increase the river traffic between St. Louis and New Orleans, but, it is declared by high engineering authority, it will add many millions of acres to the productive sugar and cotton lands of the country.

**Another project** for opening new avenues of trade is before the country. An American citizen has recently obtained a grant, conveying lands and other privileges, with the right to build a railroad across the Isthmus of

Tehuantepec. The country it would traverse is rich, beautiful and healthful, beyond comparison—the El Dorado of Cortez, and the delight of every traveller since his time; and, with the improved facilities for transit along the Mississippi, such an opening to the Pacific, it is believed, would make New Orleans a commercial centre, if not equal, at least second, to New York. Unfortunately, the unstable character of Mexican political affairs, must, for the present, deter capitalists from investing in such a scheme. Only the other day a conspiracy was brought to light which had for its object the withdrawing of Sonora and the five states that lie along the Pacific south of it, from the existing government, and uniting them in an independent nation. Happily, the project was not permitted to mature; but similar events are of too frequent occurrence not to be a perpetual menace to the safety of any great public work.

**The engineers employed by M. de Lesseps** have completed their surveys for the proposed Panama canal, and pronounced the project practicable. The fact that this most important of New World achievements has been undertaken by Old World enterprise, awakens much discussion. There are members of Congress who believe that the canal may be so owned and controlled as to lead to serious international entanglements. It is even asserted that there is evidence of a secret compact between the governments of Great Britain, France and Germany, to subscribe jointly for its construction, and, together, hold the work. M. de Lesseps is now in New York, where, it is hoped, he will answer all questions satisfactorily. He has been received in a manner befitting his great name.

**Canada**, report asserts, with the free consent of the Mother Country, will soon declare herself an independent nation. Her subjection to British rule has, for many years, been hardly more than in name. The change, it is believed, would give a new impulse to trade and manufactures, and inspire a more heartfelt interest in the well being of the country. To Great Britain, except that it widens her territorial extent, its possession is only of nominal value. The kind of government contemplated, rumor does not declare. Mr. Smalley, in a recent letter from England, after describing the Princess Louise, wife of the Governor General and daughter of the Queen, as “one of the most cultivated and intelligent of English women,” says: “Such loyalty as there is among the Canadians, clings about her person rather than about her husband. I hear of men and women following the Princess in the streets, and watching for her at the corners, only to touch the hem of her robe. There are stories floating about of passionate entreaties, by the Princess, for liberty to remain in England, and stern refusals by her mother. She is, if her friends’ testimony be taken, a woman with much of the royal nature and love of reigning, which came to her rightfully by birth; with unusual force of character and courage for great enterprises. If she once conceived the notion of playing a great part in America, it is possible enough she might change what now seems the inevitable course of events in the Dominion of Canada, and keep it Imperial long after it promises to become Republican.”

**The International Geographical Congress**, during its recent session in Hamburg, recommended that stations for observation, etc., be established at different points within the Arctic Circle. Germany, Holland, Norway, Swe-



den, Austria, Russia, Denmark, and the United States, are understood to be co-operating in the furtherance of this idea. Austria, aided by private munificence, has already established a post at Nova Zembla, and it is hoped all the posts will be equipped within a year. Two stations, one on the shore of Lady Franklin Bay, and the other at Point Barrow, are assigned to the United States. Much is hoped from this project, and that not simply in geographical discovery; scholars are eager to study the condition of marine and land, animal and vegetable life, during the long season of cold and darkness, to take note of atmospheric phenomena in those regions, record astronomical observations, and, in many other ways, to advance the interests of science.

**The earnestly expressed wish of Queen Victoria**, that a statue of the late young Prince Louis Napoleon be placed in Westminster Abbey, is as earnestly opposed by her subjects. All parties agree in pronouncing it "a desecration of the noblest national shrine," and "a covert insult to the French Republic."

**Leading English Journals** urge the immediate withdrawal of British troops from Afghanistan. The war there is stigmatized as a war of invasion; and, even if carried to a successful issue, its fruits would be worse than valueless, because of the immense force necessary to hold the position. Hitherto that country has been the frontier that has separated the Asiatic possessions of Great Britain from those of Russia, "the two great rival nations" having bound themselves by mutual contract, to respect its independence. England has been faithless to that pledge. The war, it is officially reported, is now virtually at an end; but there are unofficial reports that "even now the Ameer a captive, the towns and villages in ashes—after all the atrocities, too awful to record, that have been perpetrated by the victor army, the native forces are reorganizing and threatening their invaders in their strongholds. There is talk of Russian agents, but, among those mountains, there are parties who prefer death to defeat."

**Of the Conquests in Africa**, an eminent English writer says: "The seizure of the Transvaal dragged us into a war with naked barbarians, but barbarians with guns which we ourselves had provided them. The whole interior of South Africa, during the last two years, has been a scene of blood and frenzy. Thousands of natives have been destroyed. The Dutch, who had forgotten their wrongs, now hate the name of England worse than they ever hated it.\* No revenue can be raised in the Transvaal. Natal and the diamond fields are loaded with debt. We ourselves are waiting humbly to learn from the Chancellor of the Exchequer, how much we are to pay for the honor of having murdered twelve thousand of the defenders of Zululand. The Transvaal, in spite of prejudices about the British flag, I still hope that we shall restore to its rightful owners."

**The recent German-Austrian alliance** and the immense enlargement of the armies of the two nations, are said to be awakening the greatest appre-

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\*Previous to 1877, this portion of Africa was an independent republic, under the control of its Dutch settlers. Disagreements among some of the tribes opened the way for English interference, which resulted in the annexation of the Transvaal to the English dominions.

hensions throughout Europe. France and Russia, also, it is noted, have for some time, been quietly busy in the work of military preparation; and it is now officially declared, that a combined attack by those two nations is anticipated by the allied countries. Russia, it is well known, is always seeking an opening through which she can push her frontier westward. "But, would Republican France cast her fortunes with despotic Russia?" it is asked. The answer is "Yes. France, whether republic, empire, kingdom or regency, would value no sacrifice, would scorn no alliance, through which she could hope to redeem her lost military prestige, and win back the lands wrested from her by Prussia, nine years ago." The countries of Central Europe assert, that war can be averted only by putting forth such a show of power as will "convince their enemies that an attack must fail." Their military preparations are in the interests of peace. "It is necessary," they say, "that England should declare her determination to protect the neutrality of Belgium, Luxembourg and Switzerland, and, in the event of war, demand the neutrality of the Baltic and North Seas."

**The Details** of the sixth unsuccessful attempt on the life of the Czar, have been the exciting theme of newspaper gossip for the last few days.

# REPORT

## OF THE

### Superintendent of Public Buildings

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*To the Honorable City Council :*

GENTLEMEN:—In compliance with the City Ordinance, I hereby submit my Fifth Annual Report of the condition of the several public buildings, and the amount expended for repairs and alterations.

#### ARMORY.

The general condition of this building is fair, but there is need of repairs of the driveway to the Battery Hall. It being made upon filled land, it has settled and should be taken up and relaid. The water pipes should be remodeled. As at present constructed, the water has to be shut off early in the winter and remain so during the cold weather, making it a great inconvenience to the occupants of the building. The walls of the drill hall, used in common by all the companies, have become considerably soiled, and I would respectfully recommend that they be tinted or whitened.

The amount of expenditures have been as follows:

#### FOR GAS.

Battery B, 1st Light Artillery,	.	\$60 00	
Worcester City Guards,	.	45 00	
Worcester Light Infantry,	.	45 00	
		<hr/>	\$150 00

Leak caused by broken gas pipe in Bat-		
tery room, . . . . .	\$41 00	
Gas for Ward Room, . . . . .	16 46	
	<hr/>	\$57 46
Repairs of all kinds, . . . . .	\$134 37	
Coal, . . . . .	63 50	
Water, . . . . .	25 00	
Janitor, . . . . .	60 00	
Insurance, . . . . .	225 00	
	<hr/>	
Total, . . . . .		\$715 33

## NEW BUILDINGS.

*New School House at Lake View.*

By an order of the City Council, passed Nov. —, 1878, a school house, 33x42, containing one school room and two dressing rooms, with accommodations for fifty scholars, has been built, and was occupied at the commencement of the Spring term. The cost has been as follows:

William Power, contract for building, . . . . .	\$1,010 00
E. Boyden, plans, . . . . .	36 00
Engineering, . . . . .	8 40
Carting and freight on seats, &c., . . . . .	11 22
Teacher's desk, . . . . .	16 00
A. G. Whitcomb, forty-nine school seats, . . . . .	136 00
W. O. Wilder, stove, pipe, and labor, . . . . .	50 15
W. Power, extra labor and lumber, outbuildings, . . . . .	82 00
	<hr/>
Total cost of building, . . . . .	\$1,350 89
For Fencing lot, 500 feet, . . . . .	149 74
Grading lot, . . . . .	84 37
Digging and stoning well, . . . . .	58 50
Insurance, . . . . .	12 00
	<hr/>
Total, . . . . .	\$1,655 05

## NEW ENGINE HOUSE, GRAFTON STREET.

By vote of the City Council, passed Dec. —, 1878, a new engine house was ordered to be built upon the school house lot at the junction of Grafton and Providence streets, and the contract for digging the cellar and laying the cellar wall was awarded to William Downey, for the sum of \$563.00. Early in March, 1879, the contract for the building was awarded to C. A. Vaughn, for the sum of \$3,180.00; and there has been paid the following additional items:

C. A. Vaughn, contract,	\$3,180 00
C. A. Vaughn, for building fence, and extra work,	39 25
For alteration to hose tower, for the put- ting in of fire alarm bell,	189 67
For extension of bank wall,	25 60
Chas. D. Baldwin, extra plumbing, by reason of change in location of stove,	12 77
For plans and engineering,	115 19
H. F. Edwards, weather vane,	25 00
“ “ finial,	8 00
Gas piping,	16 54
Advertising,	2 35
Grading,	4 50
Total,	<hr/> \$4,178 52

## NEW SCHOOL HOUSE, GRAFTON STREET.

By vote of the City Council, passed May —, 1879, a school building of four rooms, similar to the Winslow street school house, was ordered built, and the removal of the old building to the rear of the lot near Wall street.

The removal of the old building, and the fitting up of the same, has been done by the day, and has cost as follows:

C. R. Babcock, for moving,	\$100 00
Wm. Downey, for digging cellar and grading,	65 53

T. Shea, for laying cellar wall, . . .	\$42 51
A. Brown, carting cinders, &c., . . .	21 10
E. B. Crane & Co., lumber, . . .	25 83
W. Ward, repairs, . . . . .	9 20
Engineering, . . . . .	4 12
Carpenter's labor, H. H. Woodruff, . .	32 50
Plumbing, . . . . .	13 50
H. M. Clemence, auctioneer, for selling old buildings, . . . . .	10 00

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Making the total cost of moving and fitting up old building, . . . . . \$413 60

The contract for the school building was awarded June 11th, 1879, to James R. Fish, for the sum of . . . . . \$8,115.00.

And an additional sum of \$178.00 for inside blinds in the school rooms, making the whole amount of contract, . . . . . \$8,293 00

And there has been paid on account of contract to date, . . . . . \$6,355 43

Leaving a balance due upon the completion of contract, of . . . . . \$1,937 57

And there has been outside of contract, for extra brick work, . . . . . \$285 64

E. Boyden, plans, . . . . . 100 00

Engineering, . . . . . 11 71

Express and telegram, . . . . . 3 22

Concreting cellar, . . . . . 136 53

“ walks and gutters, . . . . . 105 23

“ grading cellar, . . . . . 15 00

Clark & Kendall, for two No. 6 plate iron Barstow furnaces, . . . . . 511 00

J. Q. A. Haughey, 203 school seats, as per contract, . . . . . 507 90

S. W. Dearborn, foundations for furnaces, . . . . . 26 38



Clocks, . . . . .	\$42 00	
Worcester Water Works, service pipe, .	17 90	
James Draper, sewer to old building,	30 96	
For grading lot, . . . . .	185 70	
Henry Brannon, four teacher's desks,	72 00	
John D. Chollar & Co., chairs, .	17 00	
Advertising proposals, . . . . .	5 62	
Insurance, . . . . .	62 50	
Carriage for committee, . . . . .	6 50	
E. B. Crane & Co., batter boards, .	2 35	
G. L. Robbins & Co., gravel, . . . . .	5 25	
For black boards, . . . . .	52 00	
Fencing, and repairs of fence, .	157 33	
		<hr/>
Total cost to date, . . . . .		\$9,098 75

#### SCHOOL HOUSES.

There has been added to the number of school buildings, during the year, a new school house at Lake View, and the Grafton street school house, making the whole number of school houses, thirty-eight. All are in good condition and will require no extraordinary outlay for repairs the coming year. New outbuildings have been built at the Summer street house, and the north basement wall has been built new. New fences have been built at Salem street and at the Adriatic house, and the fences at Lamartine and Dix streets rebuilt. The house at Valley Falls has been thoroughly renovated, re-plastered, and painted outside and in, and blackboards renewed. The Belmont school buildings and fences have been painted. The Ash street house outbuildings and fences have been painted, and the Dix street house has been painted upon the inside. The house at Northville and the one at Burncoat have also been painted, and the New Worcester, Bloomingdale, Chamberlain, North Pond, Northville and Burncoat have been whitened and walls tinted. New ceilings have been put upon the two lower rooms at Thomas street, and one new ceiling at Ash street. A new room has been finished in the hall at Edgeworth street.

The following buildings are in need of painting, and I would recommend that as many as practicable should be painted the coming year: High School, Ledge street, Providence street, East Worcester, South Worcester, Quinsigamond, Chamberlain, and North Pond.

Owing to various causes, there has been more or less complaint from nearly all the schools, of gas from the stoves. This has been remedied as far as possible, but in many cases this has been found very difficult. Many of the stoves are old and barely fit for use, and I would repeat my former recommendation of the gradual displacement of all stoves, and substitute either steam-heating or hot air furnaces.

The Quinsigamond school house was damaged by fire to the amount of \$65.20, which was promptly paid by the Worcester Mutual Fire Insurance Company.

The cost of ordinary repairs has been	.	.	\$3,716 83
Repair of stoves,	.	.	963 02
Care and repair of clocks,	.	.	150 00

#### EXTRAORDINARY REPAIRS.

Pointing brick work and repairs of roof,			
High School,	.	.	\$163 63
Electric bells, High School,	.	.	119 48
New fence, Adriatic,	.	.	130 60
"    "    Salem,	.	.	175 13
Repairs, Quinsigamond fire,	.	.	65 20
Sewer at Tatnuck,	.	.	124 40

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Total cost of repairs of all kinds, \$5,608 30

The total cost of repairs on black boards has been	.	\$128 96
For painting Belmont house,	.	123 39
"    "    Ash street house,	.	65 00
Putting in gas, Woodland street,	.	53 14
Repairing chimneys, Lamartine street,	.	53 65

Plastering ceilings, Thomas street,	\$58 37
“ “ Ash “ . . .	48 20
New room, Edgeworth street,	52 70
Plastering and painting, Valley Falls,	88 43
New cistern, Blithewood, . . .	32 83
There has been expended for lumber for the various buildings,	336 37
Paint stock, . . . . .	182 06
Trucking, . . . . .	212 59
Hardware, . . . . .	198 50

#### NEW FURNITURE AND REPAIRS OF FURNITURE.

The whole amount expended for new furniture has been \$350.72. In this amount is included the furnishing the new room at Edgeworth street, four new teacher's tables, new stoves, chairs, &c. There has also been expended for the repairs of furniture of all kinds, the sum of \$277.24.

#### ENGINE HOUSES.

The several Fire Engine Houses are in excellent repair, and will require but a moderate outlay the coming year to keep them in the same good condition. The alterations and improvements made, have been the changing the horse stalls of Hose 6 and 7, to face the apparatus. The bell tower, which was left in an unfinished condition, has been completed and re-arranged to accommodate the new bell. The Hose tower on the Beacon street house has been remodeled and fitted up for a bell tower in connection with the Hose tower. New windows have been put into the house of Hook and Ladder No. 2, Thomas street, and new floors have been laid in the stables of Hose 6 and at Headquarters. A new concrete driveway has been put in at the house of Hose 6, and at the new house of Hose 2, Grafton street.

The amount expended for repairs has been \$1,714.98, of which the following are some of the principal items:

For concreting driveway, Hose 6,	\$112 50
“ “ “ “ 2,	154 80

For lumber, alteration of hose tower, &c., . . .	\$177 83
Carpenter, labor, . . . . .	291 83
Windows, frames, and machine work, . . .	148 22
Tin work, roofs, &c., . . . . .	35 38
Painting, . . . . .	19 52
Mason work, . . . . .	68 52
Iron work, . . . . .	18 90
Stone work, . . . . .	9 72

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\$1,037 32

The balance, \$677.66, has been expended under the  
direction of the Chief Engineer, . . . 677 66

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\$1,714 98

### FREE PUBLIC LIBRARY.

The elevator put in last year does not work to the satisfaction of the committee, and the contractors have been repeatedly urged to remedy the defects, and they have promised to do so at an early day.

The total amount spent for repairs has been \$282.44, of which repairs of cornices and ceilings was \$72.00; new sewer, \$69.80; the balance is made up of a number of small items.

### ALMS HOUSE.

All the buildings connected with this establishment are in first rate condition. The Alms House is very much crowded, and an extension, by an addition from the central building, running back toward the horse barn, would seem to be the most feasible plan for the enlargement. A new building has been built below the new dam for a gate house, carpenter shop, &c., which has been very much needed. A new, No. 7, Plate Iron Barstow Furnace has been put in the east wing of the main building. Cost of new building, \$635.47; cost of furnace, \$374.70.

## CITY STABLES.

All the buildings connected with the City Stables are in good repair, and there has been expended for repairs upon the same, the sum of \$58.60. Amount of stock on hand at shop, 36 School street, of every description, \$311.15.

## MATERIALS SOLD.

Old iron, City Hall,	.	.	.	.	.	\$3 85
Old buildings, Grafton street,	.	.	.	.	.	88 02
Old desks, &c., School Department,	.	.	.	.	.	17 41
Total,	.	.	.	.	.	<hr/> \$110 28

In conclusion, I would most respectfully call your attention to the growing tendency to erect cheap and unsubstantial buildings of an unsafe character, without regard to strength or durability, and would suggest the adoption of an ordinance placing such restriction upon buildings of this class as shall seem practical. In closing, I wish to express my thanks to each and every member of the Committee on Public Buildings, for their valuable aid and advice in the performance of my duty, and to the heads of the several Departments for their very generous treatment at all times.

Respectfully submitted,

C. H. PECK,

*Supt. Public Buildings.*

COMMISSIONERS  
OF  
HOPE CEMETERY,

FOR THE YEAR 1880.

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ALBERT TOLMAN,	.	.	Term expires 1881.
WILLIAM BUSH,	.	.	" " 1882.
THOMAS M. ROGERS,	.	.	" " 1883.
STEPHEN SALISBURY, JR.,	.	.	" " 1884.
ALBERT CURTIS,	.	.	" " 1885.

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ORGANIZATION FOR THE YEAR 1880.

*Chairman*—ALBERT TOLMAN.

*Secretary*—STEPHEN SALISBURY, JR.

*Superintendent*—ALBERT CURTIS.

*Assistant Superintendent*—WILLIAM BUSH.



THE TWENTY-SIXTH ANNUAL REPORT  
OF THE  
Commissioners of Hope Cemetery,  
FOR THE YEAR 1879.

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*To His Honor, the Mayor, the Aldermen, and the Common  
Council of the City of Worcester :*

During the year 1879, the cemetery grounds, avenues and paths, reserved plots and unoccupied land within the space over which improvements have been extended, have had constant care, and in addition to the labor required to keep them up to the degree of culture previously made, have received many permanent improvements which add to the general appearance of the cemetery, and are gradually bringing it to a more finished and desirable condition.

We have cleared and graded land southeast of River and Cherry avenues, on which thirty-five (35) lots have been laid out, and a new avenue made connecting with River, Glen and Walnut, and also one parallel with River, to Locust Avenue. We have straightened Maple Avenue, and graded the land north of it. The expenditure was considerable, but the number of lots secured by the change and the improvement in the appearance of the place, justify the cost.

Between Cedar Avenue and the east line of the Cemetery, near the lot appropriated to removals from Mechanic Street grounds, we have ornamented and laid out the land around a

small pond, which will be reserved for a time. When other work was not pressing, grading was in progress on the new land bordering on Webster Street.

A substantial shed was built between the barn and tool house, in which to store carts, etc., at a cost of one hundred and fifty dollars.

For these improvements, and general care, the sum of *thirteen hundred and fifty-eight dollars and eighty-three cents*, was expended.

The care of the Commissioners has been increasing by the extension of occupied territory, and larger number of lots sold. We have continued the grading of lots for individual proprietors. The plan, which was an experiment in 1878, is now, after the trial of a second year, found to be of great advantage. Uniformity, where it is desirable, and variety, where the surroundings admit of it, is obtained in grading. The work can be done better by a skilful manager, having his business on the ground, yet constantly looking for and keeping ready for use suitable materials. The proprietors are relieved from trouble and the risk of the work not being well done. The cost to them is largely diminished, it being our established rule that the charge for labor and materials shall be as low as can be made.

There was graded for individuals 92 lots.

The amount received for labor was,	. . .	\$1,662 00
“ “ “ for materials,	. . .	152 60

---

Total amount,	. . . . .	\$1,814 60
Received for care of lots for proprietors,	. . .	150 00

Deposits—one of \$100, and one of \$50—have been made in a savings bank, the interest of which is to be used in the care of the lots of the depositors. We trust more of the proprietors will avail themselves of the services of the foreman, who may be found at the cemetery, by making arrangements with him,

or by making a deposit in a savings bank, as can be done under the *Act of the Legislature, chap. 174*; approved May 1st, 1875.

There had been sold previous to the year 1879,

	1898 lots, for,	. . .	\$37,997 00
In 1879,	54 lots, for,	. . .	1,727 00
<hr/>			
Whole number,	1952 lots, for,	. . .	\$39,724 00

One lot was sold for \$250; three at prices from \$12 each to \$70.

All the "Old Burying Grounds,"—one at the intersection of Thomas and Summer Streets, one on the Common, the Mechanic Street and Pine Street, and Raccoon Plain, numbering five, in which were placed the remains of those who died in Worcester during one hundred and twenty-five years from its first settlement, have disappeared, and their location will soon be forgotten. "In a lovely and sheltered vale, in the bosom of Hope Cemetery, gathered, as it were, in family association, now repose the greater part of those formerly mute tenants of the Pine Street burial place, never again to be disturbed, it may be hoped, until time and earth shall be no more."

In another equally lovely and sheltered spot, rest the remains removed from the Mechanic Street burial ground.

The removals were made without much disturbance of the feelings and sympathies of interested persons, and as no care could preserve the old places from desecration, all should be satisfied that a desirable thing has been done. We are sure all will unite in the desire that these quiet places in Hope Cemetery may receive such further care as will, by proper grading, turfing and ornamentation, make them correspond with surrounding plots, and the average culture of the grounds.

The great value of the cleared land certainly warrants the expenditure of any sum that may be necessary to properly finish the work of clearing it, and of preserving, as far as can be

done, the rude but suggestive memorial stones, set up as tokens of love by the friends of the departed of an earlier generation.

The cemetery has so many attractions that it serves the purpose of a retired park for a large number of our citizens. Almost every hour from morning until evening, both in Summer and winter, if the weather is not stormy, persons may be found walking or riding in its paths, or meditating by the graves of their own loved ones. Cases of improper conduct or rudeness seldom occur. May this, only burial place under the immediate supervision of the City Government, by its care, and by the interest and efforts of individual proprietors, fully answer all the purposes for which it was designed.

The accompanying statement of receipts and payments make a part of this report.

The Commissioners would express their thanks to the City Treasurer and his assistants for the help we have received from them in the performance of our duties.

Submitted January, 1880.

ALBERT TOLMAN,  
ALBERT CURTIS,  
STEPHEN SALISBURY, Jr.,  
WM. BUSH,  
T. M. ROGERS,

*Commissioners of Hope Cemetery.*

# SECRETARY'S REPORT.

## VALUATION OF PROPERTY,

NOVEMBER 30, 1879.

Barn and Tool House, . . . . .	\$800 00	
Shed (newly built), . . . . .	150 00	
Horse, . . . . .	125 00	
Harnesses, . . . . .	40 00	
Wagon, . . . . .	40 00	
Cart, . . . . .	20 00	
Ropes and one set of Blocks, . . . . .	15 00	
Barrows and assortment of Tools, . . . . .	75 45	
		<hr/>
		\$1,265 45

## RECEIPTS AND PAYMENTS.

Report of Receipts and Payments for Hope Cemetery, in the  
year ending November 30, 1879.

### R E C E I P T S .

1878.

December 1.	Cash on deposit, . . . . .	\$1,224 51	
" 1.	Savings Bank deposits, . . . . .	3,960 64	
" 1.	Cash in hands of Superintendent, . . . . .	46 21	
		<hr/>	\$5,231 36

1879.

November 30.	Cash proceeds of 54 lots sold, . . . . .	\$1,727 00	
" 30.	" Dividends from Savings Banks, . . . . .	162 58	
" 30.	" Dividend on account lot 18, . . . . .	4 00	
" 30.	" Dividend on account lot 693, . . . . .	2 00	
" 30.	" Interest on deposits, . . . . .	13 49	

November,	Cash	Sale of wood and timber,	\$191 92	
"	"	Grading, labor and material,	1,814 60	
"	30.	of Wm. Bush, account grading, labor, etc,	645 00	
"	30.	of sundry persons, for care of lots,	150 00	
				<hr/>
				\$4,710 59
				<hr/>
				\$9,941 95

## P A Y M E N T S .

Payments from Nov. 30th, 1878, to Dec. 1st, 1879.

1878.				
December	4.	Paid labor on grounds,	\$297 10	
"	30.	A. Curtis, horse blanket, labor, etc.,	21 36	
"	30.	Curtis & Marble, repairs on tools,	7 38	
"	30.	Kinnicut & Co., chain,	75	
1879.				
January	31.	P. W. Raferty, repairs on harness,	3 65	
February	3.	Labor on grounds,	275 17	
"	4.	Labor on grounds,	137 68	
"	4.	McCarty & Day, repairs on cart, etc.,	12 80	
"	28.	P. W. Raferty, repairs on harness,	1 75	
March	4.	Labor on grounds,	124 47	
"	8.	E. S. Warner, bill,	9 10	
"	8.	James Witmarth,	5 25	
"	15.	J. S. Clark,	48 00	
"	15.	E. McCarty,	2 05	
"	25.	J. S. Clark, turf,	40 00	
April	4.	Labor on grounds,	135 18	
"	14.	E. McCarty,	4 25	
"	30.	E. McCarty,	1 50	
May	1.	Labor on grounds,	231 01	
"	15.	D. G. Aldrich, sods,	220 00	
June		Labor on grounds,	377 88	
"	3.	Thomas Brosnan, stone posts,	109 00	
"	4.	Ellwanger & Barry,	113 00	
"	5.	McCarty & Day,	6 96	
"	5.	James Witmarth, shoeing,	3 25	
"	24.	R. McAleer, harness,	30 00	
"	29.	Noyes, Snow & Co., printing,	10 29	
"	25.	Loring, Coes & Co., sawing lumber,	11 32	
"	25.	Stockwell & Barrows, grain,	12 06	
"	25.	E. Converse, manure,	75 50	
"	30.	G. & L., repairs on mower,	1 00	
"	26.	White & Conant,	2 16	
"	30.	J. H. Nugent,	1 50	
July	1.	Labor on grounds,	302 28	
"	10.	Curtis & Marble,	7 56	
"	11.	W. H. Sawyer, lumber,	77 87	
"	11.	L. Parks, insurance,	2 00	
"	29.	City Engineer,	1 66	
"	31.	Worcester City Hospital,	12 00	



July	31.	Rice, Barton & Fales,	\$49 65
"	31.	H. Shepardson, turf,	5 66
August	4.	Labor on grounds,	331 32
"	4.	E. S. Warner,	52 68
"	4.	L. B. Stone,	56 62
"	4.	Rice, Barton & Fales,	1 50
September	6.	Labor on grounds,	277 60
"	6.	Thos. Downes,	3 15
"	6.	Alfred Mallet,	5 13
"	6.	Stockwell & Barrows,	26 60
"	15.	J. W. Jordan,	11 80
"	5.	C. B. R. Hazeltine,	8 69
"	15.	J. & J. A. Rice,	33 21
"	15.	J. S. Clark & Son,	1 35
"	23.	Insurance on barn, etc., etc.,	24 00
"	23.	E. S. Warner,	17 21
"	30.	City of Worcester, water,	30 00
October	3.	Labor on grounds,	275 38
"	3.	T. S. Sloan,	12 50
"	8.	Thos. Brosnan, stone posts,	26 00
"	11.	Bush & Co.,	1 40
"	11.	James Witmarth,	6 65
November	5.	Labor on grounds,	282 91
"	11.	W. S. Barton, treasurer,	300 00
"	11.	City Engineer,	1 87
"	17.	Thos. Brosnan,	15 60
"	29.	W. S. Barton, treasurer,	345 00
"	29.	Stockwell & Barrows,	21 60
"	29.	T. H. Downes,	75
"	29.	James Witmarth,	1 35
"	29.	C. J. Terrill, agent,	5 00
"	29.	L. B. Stone,	48 37
"	29.	J. & J. A. Rice,	19 54
			<hr/>
			\$5,035 83
November	30.	Cash deposits in Savings Banks, (general)	\$4,148 32
"	30.	" " " (special)	150 00
"	30.	On deposit, Wor. S. D. and Trust Co.,	542 92
"	30.	In hands of Superintendent,	64 88
			<hr/>
			\$4,906 12
			<hr/>
			\$9,941 95

STEPHEN SALISBURY, JR.,

*Secretary of Commissioners of Hope Cemetery.*

# REPORT

## OF THE

# CITY ENGINEER.

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*To the Honorable City Council :*

GENTLEMEN:—The following report of the transactions of the Department of Civil Engineering, is respectfully submitted, to wit:

### LIGHTING STREETS.

The following table shows the number of Street Lamps in use since 1874 :

YEAR.	GAS.		OIL.		TOTAL.
	Number.	Increase.	Number.	Increase.	
1875.....	643	6	484	64	1127
1876.....	667	24	557	73	1224
1877.....	675	8	619	62	1294
1878.....	681	6	654	35	1335
1879.....	690	9	756	102	1446

At present prices, it costs from \$25.00 to \$28.00 to put a gas light in running order; this includes post, lantern, and setting the same. To put a gasoline light in order to be used, costs \$9.00.

To maintain a gas light under the present contracts, costs \$20.00 per year. To maintain a gasoline light under the present contract, costs \$15.60 per year; this contract expires May 1st, 1880. The city have a contract with the Gas Co., which does not expire until Oct. 1st, 1882. Notwithstanding the fact that gas costs more than gasoline per light, I do not think it would be advisable to change, or to introduce gasoline on any street where there is a gas main, as the gas gives a much more satisfactory light.

The work of lighting and taking care of the lights for the past year, has been done by P. Ronayne, to the entire satisfaction of the joint standing committee on lighting streets.

### HIGHWAYS.

The following tables show the location of streets and sidewalks decreed, constructed, and made public; also, those streets on which street and sidewalk grades have been established:

#### STREETS AND GRADES DECREED.

NAME OF STREET	FROM	TO	REMARKS.
Mill .....	Leicester Street ....	Fowler Street.....	Grade and Re-location.
Hanover.....	Laurel    "        .....	Arch       "        .....	Grade and Re-location.
Spruce .....	Green       "        .....	Wash'gton"        .....	Location and Grade..
Wade .....	Millbury   "        .....	Ward       "        .....	"       "       "
William.....	West       "        .....	Fruit       "        .....	Grade... ..
Queen.....	Chandler   "        ... .	King       "        .....	Location and Grade..
Tremont.....	Front       "        .....	130 feet north .....	"       "       "

## STREETS CONSTRUCTED.

STREET.	FROM	TO	Date of Order.	Width in feet.	Length in feet.	REMARKS.
Foster,	Norwich,	Summer,	1878 April 22,	60.	1,846.76	Completed.
Tremont,	Front,	130.7 ft. N.	No Order.	20.	130.70	"
Quinsigamond Ave	Southb'ge	Cambridge,	1879 March 10,	60.	3,095.00	Partly constructed,
Total length, 5,072.46 ft.						

## SIDEWALKS DECREED.

STREET.	FROM	TO	LENGTH IN FEET.	REMARKS.
Orange.....	Plymouth .....	Madison.....	715.07	Both Sides .....
William.....	West .....	Fruit .....	851.00	" .....
Total length, 1,566.07				

## SIDEWALKS CONSTRUCTED.

STREET.	FROM	TO	SIDE OF STREET.	LENGTH.	REMARKS.
Quincy. ....	Austin .....	North line of J. D. Moore's estate. ....	East .....	191.8	
Prescott. ....	North line of Church property .....	South line of Washburn & Moen est.	West .....	213.0	
Orange .....	Plymouth .....	Madison .....	East .....	376.0	
May. ....	Woodland. ....	West line of J. B. Goodell estate. ....	North .....	93.0	
Fruit. ....	40 feet North of Cedar Street. ....	70 feet North of William Street. ....	East .....	337.0	
Fruit. ....	Estate of William Warren. ....	Cedar ..	West .....	143.5	
Austin. ....	Merrick .....	South Russell. ....	North .....	322.	
Hammond .....	Main .....	East line of W. G. Strong estate. ....	S. West. ..	435.0	
Hammond ....	North line of Sam'l Mawhinney est. .	South line of Sam'l Mawhinney est. .	S. East. ....	90.0	
{ Main, Court { Hill. ....	Highland. ....	615.5 feet South. ....	West .....	615.5	{ Curb set for iron { railing at { Court House.
Main. ....	Front of Estate of L. Coes. ....	. ....	East .....	492.5	{ Gravel walk with { curb and { paved gutter.

Early in the Spring, the railroad commissioners for this state issued an order to have the Viaduct bridge over Foster street, widened. The city submitted plans and specifications, which were accepted by them. The plan as adopted, located the old bridge in the middle of the street, the ends resting on columns. New girders were then to be thrown across the space between the columns and the abutments. The old north abutment was to be taken down and moved north 18 feet. The whole structure to be completed before August first. A contract was at once made with Jones & Benner, of Philadelphia, Pa., to furnish and set in place, all the new iron work; they were also required by the contract, to move and set in place, the old bridge. Work was at once commenced by the city upon the masonry, which was completed June 15th. The whole structure was completed July 29th. The grading necessary to finish the street, was completed July 31st.

The work on Quinsigamond Avenue has been progressing during the past season. No more can be done to advantage until the work of constructing the sewer, which is to take the sewage of the Piedmont district, from the end of the present sewer on Sargent street, to the Island sewer or main outlet, is well underway. This avenue must be completed on or before April 29th, 1881, in order to make the betterment assessment.

The original estimate of the cost of constructing this Avenue, was \$18,858.86; the amount of land damages awarded by the Board of Aldermen, was \$8,767.91, making the probable cost of the avenue when completed, \$27,626.77.

There has been expended to date, \$6,853.09, for land damages and construction.

I also estimate that the Highway Committee have been able to save at least \$4,000.00, by buying material from parties excavating cellars, grading lots, &c., for 25c. and under per yard, which would place the material so bought, at a price equal to one-half of the price per yard as estimated. This would place the probable cost of completing the Avenue, at \$16,773.68. The order to construct the Avenue, was issued March 10th, 1879.



A much needed improvement is the rebuilding of railroad bridge on Southbridge street, at the point where the Providence & Worcester railroad crosses said street, south of Lafayette street. The width of the street at that point is 49½ feet, while the space between the abutments as they now stand, is only 23 feet. The Highway Committee and a committee of the Board of Directors of the Providence & Worcester Railroad Co., had a meeting, September 6th, to consider the matter of rebuilding this bridge. The railroad committee offered to reconstruct the abutments and build a new iron bridge, if the city would do the excavating and pay the railroad company \$4,000.00 cash. This the highway committee refused to do, but offered to do the excavating, and would pay \$2,000.00 to the Company. The railroad committee would not consent to this, however, and so nothing was done. It is, perhaps, proper for me to say in this connection, that the city are supposed to be liable for a part of the expense of reconstructing this bridge, but just what proportion has never been decided. I would recommend that some action be taken in the matter, this coming season.

We have now in the city, 142 miles of public, and 55 miles of private streets; also, 19 stone arch bridges, 16 wooden and 2 iron bridges. Thirty-nine petitions have been referred to the highway committee, and thirty-five to the sidewalk committee.

#### SEWERS.

The following table shows the location, size and length, of the sewers built under the direction of the sewer department, from Dec. 1st, 1878, to Dec. 1st, 1879.

STREET.	LOCATION.	SIZE.	LENGTH IN FEET.	MAN- HOLES.	COST.
Earle .....	Edward St. East..	12"	359.0	4	\$504.20
Salem Square....	Front St. South..	12"	307.1	3	592.11
		Totals,	666.1	7	\$1,096.31

The order for the construction of the Salem square sewer was passed by the City Council, May 12th; and the order for the Earle street sewer was passed July 7th. The work of constructing the Island sewer, with the exception of the rock excavation, has been done by the day, with satisfactory results. This sewer has been completed from the north line of Cambridge street to Quinsigamond Village, the full distance ordered. To utilize this sewer, it will be necessary this coming season to construct the Quinsigamond avenue sewer, and to turn in the waters of the Mill Brook sewer, at Cambridge street. The estimated cost of the sewer in Quinsigamond avenue, is \$65,000.00. There has been no estimate made of the cost of taking the waters of Mill Brook, as the principal item of expense will be the payment to the Washburn & Moen Manufacturing Co., of a sum sufficient to recompense them for the loss of the Mill Brook stream.

I would recommend the rebuilding of the sewer in Front street, this coming year. The present sewer is the one constructed before the Mill Brook sewer was built, and is inadequate to perform the duties required of a sewer in this street. It enters the Mill Brook sewer 5 feet above the grade of that sewer, while in order to do its work properly it should enter at grade. Complaint has been made that in times of high water, the cellars of the adjoining estates are flooded by back water from the sewer. The abutters can be relieved of this nuisance by the reconstruction of this sewer, at a proper grade. The estimated cost of this improvement is \$8,000.00. The work of maintenance has been carried on at about the same expense as of former years; the sewers of the city are in a good state of repair, and in consequence of the frequent change of grades, require constant and watchful care. The open Mill Brook sewer, from the Boston & Albany railroad southerly, has been complained of as a nuisance, and will need to be covered in the very near future. Our sewage system consists of 37 miles of sewers, 858 catch basins, and 1,458 manholes. The number of permits granted to enter the public sewers to date, is 2,402.

The property owned by the Sewer Maintenance Department is valued at \$550. That owned by the Island Sewer Depart-

ment is valued at \$8,000.00. Schedules of the above property may be seen at this office. The entire work of this department has been done under the direction of General R. H. Chamberlain, Superintendent of Sewers, in a skillful and thorough manner, and to the entire satisfaction of all parties concerned.

Before closing this report, I desire to express my thanks to the members of the City Council, and to the heads of the various Departments of the City Government, for their uniform kindness and good will; also to my assistants, who have always executed the work intrusted to them, in a skillful and satisfactory manner.

Respectfully submitted,

C. A. ALLEN,

*City Engineer.*

WORCESTER, MASS., Dec. 30, 1879.

# THE CITY HOSPITAL.

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## BOARD OF TRUSTEES, 1879.

<i>Alderman</i> —	HENRY A. MARSH,	}	Terms expire 1879.
<i>Councilmen</i> —	LORING COES,		
	JOHN R. THAYER,		
<i>At Large</i> —	STEPHEN SALISBURY, JR.,	Term expires 1880.	
	DR. F. H. KELLEY,	“	“ 1881.
	DR. JOSEPH SARGENT,	“	“ 1882.
	ALBERT CURTIS,	“	“ 1883.

## ORGANIZATION.

*President* — DR. F. H. KELLEY.

*Secretary* — STEPHEN SALISBURY, JR.

*Auditors* — { ALBERT CURTIS, ESQ.  
HENRY A. MARSH, ESQ.

*Superintendent and Resident Physician,*

DR. J. BARTLETT RICH.

*Board of Commissioners of the Jaques Fund and other Funds  
of the City Hospital.*

ALBERT CURTIS,	Term expires 1880.
BENJAMIN WALKER,	“ “ 1881.
DR. F. H. KELLEY,	“ “ 1882.

## MEDICAL STAFF, 1879.

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### *Consulting Physicians.*

Joseph Sargent, M. D.                      Frank H. Kelley, M. D.  
Bernard D. Eastman, M. D.

### *Visiting Physicians.*

Rufus Woodward, M. D.	J. Marcus Rice, M. D.
George A. Bates, M. D.	Albert Wood, M. D.
Oramel Martin, M. D.	Emerson Warner, M. D.
Henry Clarke, M. D.	George E. Francis, M. D.
Joseph N. Bates, M. D.	John O. Marble, M. D.
Thomas H. Gage, M. D.	Leonard Wheeler, M. D.

*Oculist and Aurist* — Lewis S. Dixon, M. D.

*Pathologist* — William H. Workman, M. D.

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## ORGANIZATION.

*President* — ORAMEL MARTIN, M. D.

*Secretary* — LEONARD WHEELER, M. D.

*Committee on Report* { ALBERT WOOD, M. D.  
EMERSON WARNER, M. D.  
GEORGE A. BATES, M. D.

*Committee on Conference* { THOMAS H. GAGE, M. D.  
GEORGE E. FRANCIS, M. D.  
RUFUS WOODWARD, M. D.

# REPORT

## OF THE

# BOARD OF TRUSTEES.

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*To the Honorable City Council:*

In accordance with the provisions of the ordinance, the Trustees of the City Hospital present herewith their ninth annual report, for the year ending November 30th, 1879.

Number of patients remaining in the hospital, November 30th, 1878, . . . . .	14
Number of patients admitted to the institution during the year, . . . . .	206
Treated during the year, . . . . .	220
Discharged during the year, . . . . .	187
Died during the year, . . . . .	16
Remaining in the hospital, November 30th, 1879, . . . . .	17
Number of persons refused admission during the year, . . . . .	33
Daily average number of patients, . . . . .	16.50
Average length of stay of each patient, (days), . . . . .	27

Cost of maintaining the hospital during the year, including rent, and every expenditure, . . . . .	\$8,368 78
--	------------

Revenue for the year was as follows:

City appropriation, . . . . .	\$7,000 00
Income from Jaques fund, . . . . .	2,600 15
Income from board of patients, . . . . .	1,666 89



Income from all other sources, . . . . .	117 23
Balance remaining December 1st, 1879, paid over to the sinking fund, . . . . .	3,015 34
Net cost to the city for maintaining the institution for the year, . . . . .	3,984 00

It is gratifying to be able to report that the cost to the city for supporting the hospital has been considerably less than any previous year since its establishment, and yet there has been no year when it has accomplished more real good,—its facilities have in no manner been crippled, and the number of patients treated has been fully up to the average of former years.

This results from no new methods of economy, but from an increase of income from the Jaques fund and the board of patients. The rules as to admittance have, perhaps, been more rigidly enforced than in previous years, as it is found difficult to convince people that the hospital is not a refuge for the hopelessly sick, or an asylum for the pauper and the degraded victims of intemperance.

No important changes have occurred in the service of the hospital during the year. Dr. J. Bartlett Rich continues in charge as Superintendent and admitting physician, and has entered upon his fourth year of service. His management has at all times been entirely satisfactory to the trustees, and he has proved himself a faithful and efficient officer. His familiarity with all the details of financial management, and his excellent skill and judgment in determining who, among the many applicants, are proper persons to be admitted to the benefits of the institution, make his services more valuable every year.

The trustees acknowledge valuable professional services rendered by him in cases of emergency, and in behalf of some members of the staff who have been unavoidably absent during a part of their term of service.

Dr. Thomas H. Gage was elected to the Board of Consulting Physicians, to fill the vacancy caused by the resignation of Dr. B. D. Eastman, who has removed from the city.

The physicians of the staff, as in years previous, have been constant and faithful in their attendance upon the sick, and to

them, more than to all others, is to be attributed the continued success of the hospital.

It is pleasant to record the kindly offices of the young ladies connected with the Flower Mission, whose frequent visits to the hospital are always welcomed by the patients, affording them cheer and comfort beyond what they can possibly realize.

The interest in the hospital is gradually extending itself to the adjoining towns, and, indeed, more or less throughout the county. Physicians make frequent calls to examine the facilities afforded, and to enquire the terms of admission, and some of them are sending their more difficult and complicated surgical cases to the hospital for treatment, especially patients that have scanty accommodations at their homes. These are charged the estimated cost of maintenance, including board, medicine, etc.

By the judicious and careful management of the commission of the several hospital funds, it will be seen by their report that the Jaques fund is increasing by the sale of land, the quarterly income from which is accredited to the annual appropriation for maintaining the hospital, according to the terms of the bequest.

It cannot be a long time, if the sale of the land continues, before the income of the Jaques fund will be nearly or quite sufficient to support the hospital upon its present basis.

Another year's experience confirms the trustees in the opinion expressed in former reports to your honorable body, that the present accommodations at the Jaques homestead, of twenty-five beds, is quite sufficient to meet the wants which the city originally designed to supply by establishing this beneficent and charitable institution.

In view of this fact, the question of building a new hospital on the land donated by Mr. Jaques, or paying the forfeiture provided by the contract made with him, resolves itself largely into one of financial expediency. The forfeiture is twenty-four hundred dollars a year, to be paid to the commission and added to the Jaques fund, the interest upon which comes back quarterly, for maintenance. The annual interest upon the outlay

necessary to construct a new building, upon the most economical scale, could not be less than the amount of the forfeiture.

The increase in the magnitude of a new hospital would render necessary new plans of government, and a revision of the service would greatly increase the ordinary running expenses of the establishment.

The trustees fully recognize the necessity of economy at this time in the affairs of the city, and are endeavoring to manage the hospital with the least possible burden to the tax-payers, consistent with its scope and usefulness.

By occupying the homestead for the present, instead of the Prince street lot with new buildings, and paying the forfeiture according to agreement, in the opinion of the trustees does no injustice to the memory of Mr. Jaques, but rather further his well known intentions and designs.

On the other hand, so long as the homestead is occupied for hospital purposes, as it must be until other provisions are made, a portion of this large tract of land, the most valuable of the Jaques estate, must remain unproductive.

The sale of all the lots lying on Peidmont street and some on Chandler street, would not interfere with the convenience of the hospital, as at present occupied. Besides, it cannot be denied that the erection of a new hospital on the hill would increase the value of land belonging to the Jaques estate in that vicinity.

Larger and more healthful buildings would undoubtedly increase our revenue from the State and from the board of out-of-town patients, and afford superior advantages for doing good.

The object the trustees have in view in again discussing this subject in their report, is to make clear to the city council the exact facts in the case, and not to interpose any objection to whatever scheme it may, in its wisdom, think advisable to adopt.

The following gifts were received during the year, and are gratefully acknowledged by the trustees: (December), Mr. C. C. Woodbury, pieces; Mrs. Henry Chapin, reading matter; Mrs. A. Parker, old linen. (January, 1879), Mr. S. Salisbury, Jr., old linen; Mr. William S. Goodell, 13 shirts, 4 pairs hose,

4 pairs drawers. (February), Mrs. D. H. Fanning, dressing gown, pieces; Mrs. Samuel F. Haven, dressing gown; Mrs. Henry Chapin, reading matter. (March), Mrs. R. D. Tatman, 4 men's shirts; Mrs. C. B. Lincoln, linen; Mrs. H. W. Miller, two packages Scribner's Magazines; Relief Society of the First Unitarian Parish, shirts, collars, cuffs and neckties. (April), Mrs. Geo. W. Gill, linen; Mrs. Richardson, pieces; Mrs. H. J. Jennings, pieces and reading matter; Ladies' Society of the Church of the Unity, 6 night shirts. (June), Mrs. Fanning, 2 pairs hose, 2 shirts, 2 night dresses; Mr. Freeman Brown, pieces; Mrs. L. M. Pinkham, pieces; Fire Patrol, pieces; Flower Mission, flowers, reading matter, pieces; Mr. C. B. Damon, pair of sheets; Miss Fannie Richardson, underclothing and pieces; Mrs. Charles Lincoln, pieces: Mrs. Edward L. Davis, pieces; Mrs. Burnham, pieces; Mr. L. D. Curtis, pieces. (July), Dr. George E. Francis, splints; Mrs. W. W. Rice, 3 pairs slippers; Mr. S. H. Bowker, pieces, illustrated papers; Mr. S. Salisbury, Jr., pieces; Mrs. E. B. Wells, pieces; Mrs. Geo. W. Gill, 5 glasses jelly, bottle preserves; Mrs. E. W. Taylor, pieces. (August), Mrs. Edward L. Davis, ice cream; Mrs. Philip L. Moen, 11 shirts, 1 dozen handkerchiefs, pieces; Miss Elsie Francis, book; Dr. Woodward, reading matter; Mrs. Barber, pieces; Flower Mission, flowers. (September), Mrs. Alonzo Whitcomb, pieces. (October), Mrs. L. S. Dixon, magazines; Mrs. William H. Harrington, pieces.

#### RECEIPTS AND EXPENSES.

The following report in detail of the receipts and expenses of the hospital during the year is submitted, in accordance with the requirements of Section 5 of the Ordinance relating to the City Hospital:—

##### RECEIPTS:

Appropriation, 1879,	\$7,000 00
Board from State for care of patients,	751 22
Board from paying patients,	915 67
Net income from Jaques Hospital Fund,	2,600 15

Sale of swine and calf, . . . . .	42 17	
“ pork, . . . . .	22 06	
“ produce, . . . . .	24 75	
“ manure, . . . . .	12 00	
“ medicine, . . . . .	3 35	
“ surgical instruments, . . . . .	5 75	
Storage at barn, . . . . .	7 00	
		<hr/> \$11,384 12

## EXPENSES.

Salaries and pay roll, . . . . .	\$2,925 77	
Groceries and provisions, . . . . .	2,147 80	
Carpets, bedding, table linen, &c., . . . . .	161 87	
Crockery, tin ware, &c., . . . . .	44 50	
Furniture, fixtures, and repairing same, . . . . .	111 76	
Repairs on buildings, . . . . .	56 07	
Surgical instruments and repairing same, . . . . .	155 99	
Medicines, . . . . .	602 31	
Coal and wood, . . . . .	405 91	
Gas, . . . . .	256 28	
Printing, . . . . .	52 59	
Postage, express, &c., . . . . .	16 90	
Hay and grain, . . . . .	205 88	
Ice, . . . . .	82 61	
Blacksmithing, . . . . .	26 03	
Hardware and tools, . . . . .	12 99	
Hack hire, . . . . .	2 50	
Shearing horse, &c., . . . . .	6 00	
Harnesses, and repairing same, . . . . .	7 53	
Repairing carriage, . . . . .	20 00	
Stationery, . . . . .	25 89	
Shoes, . . . . .	4 85	
Disinfectant powder, . . . . .	16 40	
Seeds, &c., . . . . .	3 85	
Labor on land with team, . . . . .	5 00	
Rent of telephone, . . . . .	11 50	
Rent of homestead to Jaques hospital fund, . . . . .	1,000 00	
Balance of 1879 to sinking fund, . . . . .	3,015 34	
		<hr/> \$11,384 12

The trustees, having carefully considered the probable cost of maintaining and conducting the hospital during the ensuing year, would respectfully ask for an appropriation of \$6,000 to meet those expenses.

The report of the Superintendent and Resident Physician, and a valuable tabulated statement of diseases from the same source, are appended to and form part of this report.

The condition of the several hospital funds may be learned from the report of the Commissioners of the Jaques fund and other funds of the City Hospital.

In behalf and by order of the trustees,

F. H. KELLEY,

STEPHEN SALISBURY, JR.,

*Committee on Report.*

WORCESTER, Dec. 15, 1879.



# R E P O R T

OF THE

## Commissioners of the Jaques Fund and other Funds

OF THE

## CITY HOSPITAL.

---

WORCESTER, MASS., Dec. 8, 1879.

In compliance with the provisions of Section six, of the Ordinance of 1877, creating this commission, the undersigned beg leave to present the following report of their doings in and about the several funds in their hands, up to the first day of October, 1879.

Balance on hand, Oct. 1, 1878,	\$31,605 55
Receipts to Sept. 30, 1879, inclusive,	11,283 30
	<hr/>
Total,	\$42,888 85
Disbursements to Sept. 30, 1879, inclusive,	3,098 08
	<hr/>
Balance, October 1, 1879,	\$39,790 77

A statement of aggregates, in tabular form, together with cash account, in detail, prepared by W. S. Barton, Esq., Treasurer of the Board, accompanies this report, and makes a part thereof.

F. H. KELLEY,  
ALBERT CURTIS,  
BENJ. WALKER,

*Commissioners of the Jaques Fund,  
and other Funds of the City Hospital.*

*To the Commissioners of the Jaques Fund, and other funds of the City Hospital :*

The undersigned respectfully presents the following statements, in tabular form and in detail, covering all cash transactions on account of the City Hospital for the year ending Sept. 30, 1879. For convenience of reference, a supplementary statement is subjoined, showing the condition of the several funds at the close of the city financial year, Nov. 30, 1879.

RECEIPTS AND DISBURSEMENTS,

From Oct. 1, 1878, to Sept. 30, 1879.

No.	TITLE OF FUND.	Amount October 1, 1878.	Receipts to Sept. 30, 1879.	Total.	Payments to Sept. 30, 1879.	Balances Sept. 30, 1879.
1	Geo. Jaques Hosp. Fund	\$29,013 89	\$11,089 88	\$40,103 77	\$3,059 38	\$37,044 39
2	Isaac Davis " "	1,446 60	98 65	1,545 25	.....	1,545 25
3	Albert Curtis " "	1,080 79	47 15	1,127 94	38 70	1,089 24
4	John B. Shaw " "	64 27	47 62	111 89	.....	111 89 *
		\$31,605 55	\$11,283 30	\$42,888 85	\$3,098 08	\$39,790 77

SCHEDULE OF INVESTMENTS,

September 30, 1879.

DESCRIPTION.	Fund No. 1.	Fund No. 2.	Fund No. 3.	Fund No. 4.	Totals.
Notes secured by Mortgage...	\$21,475 00	.....	.....	.....	\$21,475 00
Bank Stock....	1,500 00	.....	.....	.....	1,500 00
City Bond.....	5,000 00	.....	.....	.....	5,000 00
Town Note....	5,000 00	.....	.....	.....	5,000 00
Savings Bank Deposits .....	4,069 39	\$545 25	\$1,089 24	\$111 89	5,815 77
Railroad Bond .....	.....	1,000 00	.....	.....	1,000 00
	\$37,044 39	\$1,545 25	\$1,089 24	\$111 89	\$39,790 77

## STATEMENT OF RECEIPTS IN DETAIL,

FROM OCT. 1, 1878, TO SEPT. 30, 1879.

No. 1.	Proceeds of sales of Real Estate, viz: 8 parcels, containing 75,079 square feet of land, . . .	\$8,030 50	
	Interest on notes secured by mortgage, . . .	1,047 48	
	Interest on City and Town securities, . . .	550 00	
	Interest on Savings Bank deposits, . . .	103 09	
	Interest on National Bank deposits, . . .	27 16	
	Dividends on 15 shares Bank stock, . . .	80 00	
	Rents of Hospital estate, Wellington Street, . . .	1,000 00	
	Rents of Capron estate, Crown Street, . . .	225 00	
	Bank Tax, refunded by Commonwealth, . . .	26 65	
			\$11,089 88
No. 2.	Interest on Railroad Bond, . . .	\$80 00	
	Interest on Savings Bank deposits, . . .	18 65	
			\$98 65
No. 3.	Interest on Savings Bank deposits, . . .		\$47 15
No. 4.	Interest on Savings Bank deposits, . . .	\$3 01	
	Rent of Shaw estate, Salem Street, to Jan. 1, 1879, . . .	44 61	
			\$47 62
			<u>\$11,283 30</u>

## STATEMENT OF PAYMENTS IN DETAIL,

FROM OCT. 1, 1878, TO SEPT. 30, 1879.

No. 1.	Accrued interest on securities purchased for investment, \$115 34	
	Advertising land for sale, . . .	31 00
	Insurance on Hospital buildings, . . .	75 00
	Labor and materials for barb fence, . . .	15 93
	Labor and materials repairing Crown St. house, . . .	67 60
	Rent refunded to purchaser, . . .	10 00
	Surveying and examining titles, . . .	44 36
	Salary of treasurer, . . .	100 00
	Net income paid into City treasury, . . .	2,600 15
		<u>\$3,059 38</u>
No. 3.	Medical books and apparatus, . . .	38 70
		<u>\$3,098 08</u>
Balances to Investment Accounts, viz.: No. 1,		\$8,030 50
	" 2,	98 65
	" 3,	8 45
	" 4.	47 62
		<u>\$8,185 22</u>
Total,	. . . . .	<u>\$11,283 30</u>

## SUPPLEMENTARY STATEMENT,

OCTOBER AND NOVEMBER, 1879.

## R E C E I P T S .

No. 1.	Interest on mortgage notes, . . . . .	\$477 50	
	Interest on City Bond, . . . . .	150 00	
	Interest on National Bank deposits, . . . . .	2 04	
	Dividends on Bank stock, . . . . .	40 00	
	Rent of Hospital estate, . . . . .	250 00	
	Rent of Crown Street estate, . . . . .	100 00	
		<u>\$1,019 54</u>	
No. 3.	Withdrawn from Investment account, . . . . .	22 50	
	Total, . . . . .	<u>-----</u>	\$1,042 04

## P A Y M E N T S .

No. 1.	Surveying, . . . . .	\$1 25	
No. 3.	Sundry medical works, . . . . .	22 50	
		<u>-----</u>	\$23 75
	Balance, cash on deposit, . . . . .		1,018 29
	Total, . . . . .		<u>\$1,042 04</u>

## STATEMENT OF BALANCES,

November 30, 1879.

No.	TITLE OF FUND.	Invested.	Cash on deposit.	Balances.
1	Jaques Hospital Fund.....	\$37,044 39	\$1,018 29	\$38,062 68
2	Davis " " .....	1,545 25	.....	1,545 25
3	Curtis " " .....	1,066 74	.....	1,066 74
4	Shaw " " .....	111 89	.....	111 89
		<u>\$39,768 27</u>	<u>\$1,018 29</u>	<u>\$40,786 56</u>

Amount of Funds, November 30, 1879, . . . . .	\$40,786 56
" " " " 1878, . . . . .	<u>34,730 32</u>
Increase, . . . . .	\$6,056 24

Correct per book account.

WM. S. BARTON,

*Treasurer.*

WORCESTER, MASS., Dec. 8, 1879.

# REPORT

## OF THE

### SUPERINTENDENT AND RESIDENT PHYSICIAN.

---

*To the Trustees :*

GENTLEMEN:—The following report is respectfully submitted:—

Since the Hospital was opened, October 26th, 1871, 1,565 patients have been admitted. Of this number 338 were cases of accidental injury. The number of deaths has been 132. 267 have been refused admission, as follows :

				Admitted.	Refused.	Accidents.	Died.
1871.	Five weeks ending November 30:			16	0	1	1
1872.	Year	"	"	160	29	38	19
1873.	"	"	"	162	44	34	24
1874.	"	"	"	174	32	54	14
1875.	"	"	"	198	57	33	12
1876.	"	"	"	191	16	23	11
1877.	"	"	"	248	34	52	19
1878.	"	"	"	210	22	42	16
1879.	"	"	"	206	33	61	16

Number of patients in the Hospital, November 30th, 1878 :  
 Males, 12; Females, 2. Medical, 9; Surgical, 5. Paying, 0;  
 Free, 14. Total 14.

Admitted from December 1, 1878, to December 1, 1879:

Males, 143.	Females, 63.	Total, 206.
Medical, 93.	Surgical, 113.	
Paying, 29.	Free, 177.	

Of these, 14 paid \$10 per week, and 15 others various smaller amounts. The average price paid was \$7.75 per week.

Treated during the year :

Males, 155.	Females, 65.	Total, 220.
Medical, 102.	Surgical, 118.	
Paying, 29.	Free, 191.	

The largest number of patients in the Hospital at any one time was 25; smallest number, 10. The average number was 16.50. Males, 11.09; Females, 5.41.

The average time of patients in the Hospital was 27\*days; of paying patients, 21.37; of free patients, 28.14.

Discharged during the year :

Well, . . . . .	80
Much relieved, . . . . .	50
Relieved, . . . . .	45
Not reileved, . . . . .	4
Not treated, . . . . .	7
Eloped, . . . . .	1
Died, . . . . .	16
<hr/>	
Total, . . . . .	203

CAUSE OF DEATH:—Railroad accidents, Debility, 2 each; Comp. Fract. Femur, Multiple Injuries, Injury to Head, Burn, Comp. Fract. Skull, Apoplexy, Hepatitis, Phthisis, Diarrhœa, Coma, Pyæmia, Erysipelas, 1 each. *Death rate, 7.27.*

The number of accidents admitted was 61, a larger number than in any previous year. Nearly half the cases of death were the result of very severe accidental injury, and died within a few hours after admission. Otherwise the rate of mortality would be much smaller than usual.

Remaining November 30, 1879:

Males, 10.	Females, 7.	Total, 17.
Medical, 7.	Surgical, 10.	
Paying, 2.	Free, 15.	



## RESIDENCE.

Worcester, . . . . .	178
Other towns in Massachusetts, . . . . .	26
Other States, . . . . .	2
Total, . . . . .	206

## BIRTHPLACE.

	Males.	Females.	Total.
Massachusetts, . . . . .	43	18	61
Other New England States, . . . . .	12	6	18
Other States, . . . . .	7	5	12
Total Americans, . . . . .			91
Ireland, . . . . .	61	24	85
England, . . . . .	6	2	8
British Provinces, . . . . .	6	7	13
Other countries, . . . . .	8	1	9
Total Foreigners, . . . . .			115

## OCCUPATION.

Males.	Females.
Laborers, . . . . . 42	Domestics, . . . . . 27
Mechanics, . . . . . 22	Housekeepers, . . . . . 16
Miners, . . . . . 29	Minors, . . . . . 15
Shoemakers, . . . . . 9	Cooks, . . . . . 2
Hostlers, . . . . . 7	Dressmaker, . . . . . 1
Farmers, . . . . . 9	Seamstress, . . . . . 1
Operators, . . . . . 9	Nurse, . . . . . 1
Stonecutters, . . . . . 5	
Clerks, . . . . . 3	
Painters, . . . . . 5	
Printers, . . . . . 3	
Blacksmiths, . . . . . 2	
Tailors, . . . . . 2	
Jeweller, . . . . . 1	
Railroad Employee, . . . . . 1	
Agent, . . . . . 1	
Barber, . . . . . 1	
Fireman, . . . . . 1	
Composer of Music, . . . . . 1	
143	63

## CIVIL CONDITION.

Males.	Females.
Single, . . . . . 69	Single, . . . . . 41
Married, . . . . . 56	Married, . . . . . 17
Widowers, . . . . . 18	Widows, . . . . . 5
143	63

## ADMISSION REFUSED.

Phthisis, . . . . .	4	Pregnancy, . . . . .	1
Debility, . . . . .	4	Opium Eater, . . . . .	1
Paralysis, . . . . .	3	Dyspepsia, . . . . .	1
Venereal disease, . . . . .	4	Tumor, . . . . .	1
Alcoholism, . . . . .	2	Conjunctivitis, . . . . .	1
Rheumatism, Chronic, . . . . .	2	Scarletina, . . . . .	1
Diphtheria, . . . . .	1	Hydrocele, . . . . .	1
Coxalgia, . . . . .	1	Foundling, . . . . .	1
Asthma, . . . . .	1		—
Bruise, . . . . .	2		33
Ulcer of Leg, . . . . .	1		

In admitting patients, it is carefully kept in view that the Hospital is especially designed for the cure of those suffering from disease or injury, and in no sense as a home for the unfortunate.

Whenever circumstances admit, the whole or partial payment for board is required. The average price paid the past year has been \$7.75 per week. When patients having a legal settlement in other towns are received, remuneration is required to the extent of \$10.00 per week.

The State aids in support of those not having a legal settlement in Massachusetts. A reasonable payment is required when anything is provided not usually furnished by the Hospital.

A continued and increasing interest in the Hospital has been shown by various very useful and acceptable donations of linen, clothing, flowers, reading matter and other articles.

The employees of the Hospital have rendered efficient and faithful service.

In every effort to secure the best possible results in the management of the Hospital, I have been greatly aided and gratified by the careful supervision and continued confidence of the Board of Trustees, and the cordial co-operation of the Hospital staff.

Respectfully submitted,

J. BARTLETT RICH,

*Superintendent and Resident Physician.*

WORCESTER, December 6, 1879.

# REPORT OF DISEASES AND THEIR RESULTS, FROM DECEMBER 1, 1878, TO DECEMBER 1, 1879.

(Prepared by the Resident Physician.)

## MEDICAL.

DISEASES.	In Hosp. Dec. 1, 1878.	ADMITTED.			DISCHARGED.						In Hosp. Dec. 1, 1879.	
		Males.	Females.	Total.	Well.	Much Relieved.	Relieved.	Not Relieved.	Not Treated.	Died.		Total.
GENERAL DISEASES:												
Typhoid Fever .....	1	8	3	11	7	2	1				8	4
Febricula .....		3	1	4	2	2					4	
Intermittent Fever .....		2		2	2						2	
Phthisis .....	1	6	1	7		3	3			1	7	1
Rheumatism, acute .....		7	6	13	10		2		1		13	
Rheumatism, chronic .....	1	1	3	4			3				3	2
Debility .....		6	4	10	1	2	5			2	10	
Opium Poisoning. ....		1		1	1						1	
NERVOUS SYSTEM:												
Cephalalgia .....		1		1			1				1	
Paralysis .....			1	1			1				1	
Apoplexy .....			1	1					1		1	
Sciatica .....	1	1		1	1	1					2	
Neuralgia .....	1						1				1	
Epilepsy .....			1	1					1		1	
Sunstroke .....		1		1		1					1	
Alcoholismus .....		3	1	4	2	1	1				4	
Chorea .....			1	1	1						1	
FAUCES AND THORACIC VISCERA:												
Tonsillitis .....			1	1	1						1	
Bronchitis .....	1		1	1	1		1				2	
Pleuritis .....	1	2	1	3	1	2	1				4	
Pneumonia .....	1	3		3	2	1					3	1
Hæmoptysis .....		1		1			1				1	
Asthma .....		1		1			1				1	
ABDOMINAL VISCERA:												
Dyspepsia .....		3	2	5		3	2				5	
Hepatitis .....		1		1						1	1	
Ascites .....			1	1		1					1	
Bright's Disease .....		3		3			1	2			3	
Enteritis .....			2	2	1	1					2	
Diarrhœa .....		1	3	4	1		2			1	4	
Gastritis .....			1	1		1					1	

## MEDICAL.—Continued.

DISEASES.	In Hosp. Dec. 1, 1878.	ADMITTED.			DISCHARGED.						In Hosp. Dec. 1, 1879.	
		Males.	Females.	Total.	Well.	Much Relieved.	Relieved.	Not Relieved.	Not Treated.	Died.		Total.
DISEASES OF WOMEN:												
Amenorrhea.....	.	.	.	1	1	....	1	..	.	....	1	....
DISEASES OF THE SKIN:												
Eczema .....	1	2	....	2	1		2	..	..	....	3	....
	9	57	36	93	35	19	29	3	2	6	94	8

## SURGICAL.

DISEASES.	In Hosp. Dec. 1, 1878.	ADMITTED.			DISCHARGED.						In Hosp. Dec. 1, 1879.	
		Males.	Females.	Total.	Well.	Much Relieved.	Relieved.	Not Relieved.	Not Treated.	Died.		Total.
Cystocele .....	1	...	...	...	...	...	1	...	...	...	1	...
Clubfoot.....	1	...	...	...	...	...	1	...	...	...	1	...
Glaucoma .....			1	1	...	...	1	...	...	...	1	...
Lupus .....			1	1	...	1	...	...	...	...	1	...
Disease of Prostate Gland .....		1	...	1	...	...	...	...	...	1	1	...
Hydrocele .....		2	...	2	1	...	1	...	...	...	2	...
Hernia.....		2	...	2	1	1	...	...	...	...	2	...
Iritis.....		1	...	1	1	...	...	...	...	...	1	...
Hemorrhoids.....		1	...	1	...	...	1	...	...	...	1	...
Fistula in Ano.....		2	1	3	1	2	...	...	...	...	3	...
Hip Joint Disease.....		...	1	1	...	1	...	...	...	...	1	...
Abscesses of Feet .....		1	...	1	1	...	...	...	...	...	1	...
Fistula of Urethra.....		1	...	1	...	...	...	...	1	...	1	...
Necrosis of Tibia.....		...	1	1	...	1	...	...	...	...	1	...
Palmar Abscess.....		1	...	1	1	...	...	...	...	...	1	...
Abscess of Axilla.....		1	...	1	1	...	...	...	...	...	1	...
Ulcer of Leg.....	1	4	3	7	5	2	1	...	...	...	8	...
Ulcer of Stomach .....		...	1	1	...	1	...	...	...	...	1	...
Necrosis of Bones of Heel.....		1	...	1	...	...	...	...	...	1	1	...
Abscess of Groin.....		2	1	3	2	...	1	...	...	...	3	...
Curvature of Spine.....		...	1	1	...	...	1	...	...	...	1	...
Cystitis .....		...	2	2	...	1	1	...	...	...	2	...

DISEASES.	In Hosp. Dec. 1, 1878.	ADMITTED.			DISCHARGED.						In Hosp. Dec. 1, 1879.	
		Males.	Females.	Total.	Well.	Much Relieved.	Relieved.	Not Relieved.	Not Treated.	Died.		Total.
Synovitis.....	1	3	3	1	1	1					2	1
Carbuncle.....	2		2	1	1						2	
Ulcer of Hand.....	1		1	1							1	
Tumor of Face.....	2		2			1		1			2	
Stricture of Urethra.....	1		1		1						1	
Tumor of Abdomen.....	1		1				1				1	
Ovarian Tumor.....		1	1		1						1	
Lichen.....		1	1	1							1	
Abscess of Chest.....	1		1		1	1					1	
Strabismus.....	1		1		1						1	
Corneitis.....		1	1		1						1	
Cataract.....		1	1		1						1	
Abscess of Abdomen.....	1		1							1	1	
Displaced Testicle.....	1		1					1			1	
INJURIES:												
Injury to head.....	1		1							1	1	
Fracture of Skull.....	1		1							1	1	
Foreign body in Eye.....	1		1		1						1	
Pistol shot wo'nd of Abdomen.....	1		1									1
Frozen Feet.....	1		1	1							1	
Bruises.....	6	2	8	4	1	2					7	1
Gun shot wound of Hand.....	1		1			1					1	
Gun shot wound of Knee.....	1		1	1							1	
Injury to Hand.....	1		1	1							1	
Injury to Arm.....	1		1					1			1	
Injury to Wrist.....	1		1	1							1	
Injury to Spine.....	1		1		1						1	
Injury to Foot.....	3		3	2				1			3	
Injury to Leg.....	2		2	1	1						2	
Injury to Knee and Face.....	1		1	1							1	
Railroad Accident.....	3		3		1				2		3	
Sprain.....	1	2	3	3							3	
Fracture of Radius.....	2		2	1	1						2	
Crushed Arm.....	2		2	2							2	
Paraphimosis.....	1		1	1							1	
Fracture of Patella.....	1	1	2	1	1						2	
Comp. dislocat'n of ankle joint.....	1		1		1						1	
Crushed Fingers.....	1		1	1							1	
Injury to Radial Artery.....	1		1	1							1	
Crushed Foot.....	1	3	3	1	2						3	1
Comp. Fracture of Femor.....	2		2	1						1	2	
Fracture of Ribs.....	2		2		1	1					2	
Fracture of Clavicle.....	1		1		1						1	
Fracture of Fibula.....	1		1	1							1	
Fracture of Femur.....	1		1	1							1	
Fracture of Tibia.....	1		1		1						1	
Fracture of Tibia and Fibale.....	1		1									1
Comp. Fracture of Ulna.....	1		1		1						1	

SURGICAL.—*Continued.*

DISEASES.	In Hosp. Dec. 1, 1878.	ADMITTED.			DISCHARGED.						In Hosp. Dec. 1, 1879.	
		Males.	Females.	Total.	Well.	Much Relieved.	Relieved.	Not Relieved.	Not Treated.	Died.		Total.
Comp. Fracture of Leg .....	1	1	1	2	1	1	...	...	...	1	2	1
Multiple Injuries.....	...	1	...	1	...	...	...	...	...	...	1	...
Ununited Comp. Fract. of Leg. ....	...	1	...	1	...	...	...	...	...	...	...	1
Burn.....	...	2	1	3	...	...	...	...	...	1	1	2
Lacerated w'nd of gluteal Reg. ....	...	1	...	1	...	1	...	...	...	...	...	...
Total Surgical Cases.....	5	86	27	113	45	31	16	1	6	10	109	9
Total Medical Cases .....	9	57	36	93	35	19	29	3	2	6	94	8
	14	143	63	206	80	50	45	4	8	16	203	17

ALBERT WOOD,  
EMERSON WARNER,  
GEO. A. BATES,

*Committee on Reports.*

WORCESTER, December 19, 1879.



# ANNUAL REPORT

## OF THE

### BOARD OF OVERSEERS OF THE POOR.

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#### GENTLEMEN OF THE CITY COUNCIL:

In accordance with the requirements of the city ordinance, we present, in as concise a manner as the importance of the subject will allow, the following report of the labors of this Board in its several divisions, during the past year.

#### CITY RELIEF DEPARTMENT.

The whole number of families having applied for and received aid during the year, is five hundred and eighty-seven, comprising eleven hundred and thirty-seven males and twelve hundred and sixty-four females, or two thousand, four hundred and one persons.

Of these, three hundred and seven families, consisting of six hundred and thirty-eight males, and seven hundred and thirty-two females, or thirteen hundred and seventy persons, have legal pauper settlements in this city, or elsewhere; and two hundred and eighty families, consisting of four hundred and ninety-nine males, and five hundred and thirty-two females, or ten hundred and thirteen persons, were State paupers, or had no known settlement.

The whole number having a legal pauper settlement, who have received full support for the whole or a part of the year,

is one hundred and five, seventy-eight males, and twenty-seven females.

The number provided for at the Insane Hospital, during the year, has been thirty-one, eighteen males, and thirteen females.

Twenty-three persons, brought into the State by the various lines of communication with other States, have been returned on the several roads by which they came, in accordance with Chap. LXXI, Sec. 25, of the General Statutes.

Twenty-eight State paupers have been sent to the State Almshouse at Tewksbury, after having been aided here to a greater or less extent.

One hundred and sixteen heads of families, consisting of two hundred and twenty males, and two hundred and sixty nine females, or four hundred and eighty-nine persons, having a legal settlement in other cities and towns, but living here, have been aided during the year, in accordance with the wishes or instructions of the Overseers of the Poor of the several places where they have their settlements.

In providing for the cases above mentioned, by the Department for Temporary Aid, at the office of the Clerk of the Board, there have been drawn three thousand and sixteen orders, on various persons, for the following necessities:

In Cash allowances,	\$ 298 89
" Fuel,	1,825 24
" Groceries,	3,188 93
" Medicine, attendance and nursing,	814 48
" Burial expenses,	544 00
" Transportation of paupers,	412 28
" Insane Hospital bills,	4,771 28
" State Reformatory Institution bills,	667 00
" Aid to Worcester poor in other towns,	633 76
" Stationery, postage and printing,	226 21
" Furniture and clothing,	41 50
" Miscellaneous expenses,	295 53
<b>Total,</b>	<b>\$13,719 10</b>

For the monthly expenditures of the same, you are referred to the table attached to this section of the report.

## CITY RELIEF DEPARTMENT.

MONTHLY ACCOUNTS OF 1879.	No. of Orders Drawn.	Paid other Towns.	Paid in Cash Allowances.	Cost of Fuel.	Cost of Groceries.	Medicine, Attendance and Nursing.	Cost of Burials.	Transportation of Paupers.	Insane Hospital Bills.	State Reformatory Institutions.	Books, Stationery Postage and Printing.	Furniture and Clothing.	Miscellaneous Ex- penses.	Total. Monthly Amount.
1878. December ..	375	\$45 95	\$60 94	\$266 80	\$327 50	\$143 31	\$96 00	\$10 65	\$993 24	\$176 00	\$36 51	\$7 00	\$32 25	\$2,020 15
1879. January ...	518	234 48	26 25	426 50	443 25	300 29	58 00	27 95			6 00	7 50	40 50	1,746 72
February ..	599	39 60	32 80	426 24	599 00	74 45	28 00	39 95			11 25	5 00	29 25	1,285 54
March . . . .	525	59 54	18 00	310 65	495 50	81 15	68 00	19 70	1,089 12		4 25	8 75	15 00	2,169 66
April. . . . .	262		12 00	130 05	268 50	26 60	30 00	35 00	152 50	220 00	43 75		24 00	942 40
May . . . . .	107	24 12	42 10	14 50	204 00	25 70	35 00	51 48			73 83	1 50	4 50	476 73
June . . . . .	77	28 25	1 00	12 80	108 00	15 40	16 00	38 60	79 02			1 00	9 75	309 82
July . . . . .	68	88 28	23 50	18 00	108 50	24 30	41 00	20 85	26 15		9 75		9 00	369 33
August. . . . .	100	49 24	22 50	16 00	112 00	16 25	76 00	38 35	18 00	132 50	6 00	1 50	27 78	516 12
September ..	89		27 68	24 30	101 00	34 75	23 00	16 90	2,349 11			4 00	19 50	2,600 24
October . . . .	97	64 30	16 12	46 60	120 00	40 28	53 00	71 00	64 14	138 50	27 87	3 25	13 50	658 56
November ..	199		16 00	132 80	301 68	32 00	20 00	41 85			7 00	2 00	70 50	623 83
	3016	\$633 76	\$298 89	\$1,825 24	\$3,188 93	\$814 48	\$544 00	\$412 28	\$4,771 28	\$667 00	\$226 21	\$41 50	\$295 53	\$13,719 10

Amount given out in *Dole* at the Clerk's office, during the year :

	Number of Orders drawn.	Amount drawn by persons having a settle- ment <i>in this</i> <i>City.</i>	Amount drawn by persons having a settle- ment <i>in other</i> <i>Towns.</i>	Amount drawn by persons having <i>no known</i> <i>settlement any-</i> <i>where.</i>	TOTAL.
1878.					
December. ....	375	\$380 95	\$240 51	\$175 50	\$796 96
1879.					
January ....	518	575 58	224 25	237 90	1,037 73
February . ....	599	554 60	303 45	296 45	1,154 50
March. . . . .	525	514 50	264 95	242 65	1,022 10
April . . . . .	262	228 65	136 60	125 40	490 65
May . . . . .	107	109 55	71 70	55 60	236 85
June . . . . .	77	89 80	31 15	52 00	172 95
July.. . . .	68	69 30	38 85	67 70	175 85
August . . . . .	100	77 80	98 10	67 55	243 45
September....	89	59 90	56 60	99 95	216 45
October ... . .	97	100 35	37 85	178 08	316 28
November .. . .	199	142 60	77 50	161 55	381 65
	3016	\$2,903 58	\$1,581 51	\$1,760 33	\$6,245 42

The salary of the City Physician, and that of the Clerk of the Board, are also charged to the expense of the City Relief Department, and have been as follows :

City Physician,	\$876 66
Clerk of the Board,	1,200 00
Disbursements,	13,719 10
	<hr/> \$15,795 76

The resources have been as follows :

Appropriation by City Council,	\$12,388 18
Received from State, and other cities and towns,	3,766 44
	<hr/>
Total Receipts,	\$16,154 62
Total Expenditures,	15,795 76
	<hr/>
Unexpended balance,	\$358 86

List of insane persons who have a legal pauper settlement in this city, and who have received full support at the Insane Hospital during the year.

REGISTERED PAUPER No.	NAMES.	AGE.	BIRTHPLACE.	PLACE OF SUPPORT.
10-79	George Amsperger . . . .	40	Germany,	Tewksbury.
1889	Engene D. Abbott . . . .	40	N. H.	Worcester L. Hospital.
1544	John Burr . . . . .	88	Norton,	"
1671	Johanna Buckley . . . .	51	Ireland,	"
1840	Ellen Connor . . . . .	22	Rutland,	"
85	Harriet N. Crosby . . . .	58	Brewster,	Hosp. for Ch. Insane.
857	James Conlon . . . . .	29	Ireland,	Worcester L. Hospital.
1292	Abbie Donahoe . . . . .	24	Unknown,	"
1657	Salina E. Davis . . . . .	—	Unknown,	"
676	Richard Everett . . . . .	53	Ireland,	Hosp. for Ch. Insane.
572	Pat. Grace . . . . .	46	Ireland,	Worcester L. Hospital.
246	Albert S. Garfield . . . .	52	Priuceton,	"
1281	Jas. P. Hogan . . . . .	30	West Boylston,	"
1276	John Jackson, Jr. . . . .	29	Salem,	"
518	Barbara Kohl . . . . .	36	Germany,	"
1339	John Kelly . . . . .	43	Ireland,	"
1030	Honra Leary . . . . .	42	Ireland,	"
757	Nora T. Murphy . . . . .	28	Ireland,	"
1012	Mary McGrath . . . . .	43	Ireland,	"
655	Jas. P. Mulcabay . . . . .	41	Worcester,	"
1695	Chas. E. Mason . . . . .	—	Unknown,	"
301	John Moore . . . . .	20	Worcester,	Danvers L. Hospital.
1695	Frank H. Mason . . . . .	19	Worcester,	Northampton L. Hosp.
1347	Morris Marony . . . . .	—	Ireland,	Worcester L. Hospital.
1734	Johanna O'Brien . . . . .	56	Ireland,	"
797	Mary O'Toole . . . . .	22	Scotland,	"
1273	Edith C. Pierce . . . . .	23	Unknown,	"
1748	James Plympton . . . . .	55	West Medway,	"
568	Edwin A. Robie . . . . .	48	Cambridge,	"
1875	Wm. D. Seavey . . . . .	57	N. H.	"
1312	Mary Toomey . . . . .	58	Ireland,	"

List of paupers having a legal pauper settlement in Worcester, but living and receiving aid in other towns, during the year 1879.

REGISTERED PAUPER No.	NAMES.	NUMBER IN FAMILY.		WHERE LIVING AND AIDED.
		Males.	Females.	
1505	Catherine Barrett . . . . .	2	4	Boston.
1464	Henrietta Cotting . . . . .		2	Cambridge.
1021	Michael Dougherty . . . . .	2	1	Boston.
1103	Catherine Flynn . . . . .		2	Boston.
1681	William Gore . . . . .	3	3	Cambridge.
1477	Mary M. Howe . . . . .	2	1	Newburyport.
1649	John Mulvaney . . . . .	1		Haverhill.
1328	Miles Murry . . . . .	4	2	Grafton.
928	Daniel Martin . . . . .	1	1	Boston.
1578	James Murry . . . . .	1	1	Boston.
1707	John Murry . . . . .	1	3	Boston.
1203	Lucy A. Parmenter . . . . .	1	2	Boston.
1801	Adolphus Porter . . . . .	4	4	Milford.
541	David Roberts . . . . .	1	1	Boston.
541	Alexander Roberts . . . . .	1	1	Boston.
530	John Sweeney . . . . .	2	3	Boston.
863	Edward Scriven . . . . .	3		Newburyport.
1341	Michael Scanlon . . . . .	8	5	Northbridge.
1792	John L. Wedge . . . . .	3	2	Grafton.



## List of paupers aided in Worcester, but settled in other towns :

NAMES OF APPLICANTS.	PLACE OF SETTLEMENT.	NAMES OF APPLICANTS.	PLACE OF SETTLEMENT.
John J. Love,	Shrewsbury.	Betsey M. Bacon,	Dudley.
Angusta Colburn,	Ashland.	Diantha Bacon,	"
William H. Brown,	West Brookfield.	Celia Fay,	Taunton.
Elmer A. Sylvester,	Townsend.	Patrick Bowler,	Blackstone.
Michael Murphy,	Holden.	Patrick Carlin,	"
Hattie E. Damon,	Warren.	John L. Edwards,	Danvers.
Mary J. Stephens,	"	Jane K. Dyer,	South Braintree.
Emory Rockwood,	Holliston.	Charles A. Leland,	Sutton.
Mary J. Priest,	Gardner.	Leander Taylor,	Weymouth.
Charles Know,	Upton.	Thomas Millet,	Middlefield.
Martha A. Lee,	Uxbridge.	Lawrence C. Gilbert,	Cambridge.
James Dunlary,	"	Flora Logan,	Lowell.
Sylvanus Stone,	Sturbridge,	Patrick Behan,	"
Ransom W. Town,	"	Huldah C. Brown,	"
John H. Kendall,	Burlington.	Stephen Cabeau,	"
Sereno Newton,	Oxford.	Thos. D. Holdsworth,	Northbridge.
Rudolph Schultz,	"	Harry Peckham,	Holyoke.
William Martin,	Hopkinton.	Bridget Collins,	Springfield.
Lewis O'Reilley,	Webster.	Ann Clifford,	"
Murtie McCarty,	Fall River.	Hartzell S. Caldwell,	"
Mary Brock,	Hudson.	Ann Kelly,	Auburn,
Wm. W. Phillips,	Duxbury.	Cath. McLaughlin,	"
Almira Glazier,	Northboro'.	Jas. M. Cummings,	"
Margaret Martin,	Natick.	Joseph Roberts,	Quincy.
Albert Peterson,	Berlin.	Albert L. Heath,	Wakefield.
Imogene Ellsbee,	Princeton.	Charles W. Clark,	Rutland.
George H. Snow,	West Boylston.	John Fannon,	Groton Centre.
Patrick Small,	"	Thomas Foley,	Hingham.
James McCurdy,	"	Thomas Curran,	New Bedford.
Mary Cote,	"	James P. Luther,	"
Timothy Ludy,	Grafton.	Julia Wormell,	"
Lucie A. Adams,	"	Frank Barton,	Millbury.
John Cosgrove,	"	Louis Army,	"
Paul Cluchy,	"	Patrick Barnes,	"
Susan McFarland,	"	Thomas J. Proal,	"
Call C. Turner,	"	Frank Dupont,	"
Dennis O'Connor,	"	George O. Sawyer,	"
Thomas Marsden,	"	Lydia J. Duffy.	Boston.
Ida E. Sabin,	Southbridge.	Patrick Mellen,	"
Andrew J. McKinstry,	"	John McIntire,	"
Frank Benway,	"	Mary Ann Dailey,	"
Mary Moran,	Milford.	Jeremiah McCarty,	"
Mary Sheehee,	"	Cath. Fitzgerald,	"
Cath. Hynes,	"	Dennis McSorley,	"
Patrick Boyle,	"	Patrick Mulvaney,	"
Harriet A. Douglas,	Greenwich.	Everett J. Wilson,	"
Charlotte M. Snow,	Leicester.	John O. Anthony,	"
George W. Wesson,	"	Fanny Sullivan,	"
Hugh Gallagher,	Randolph.	Robert Sampson,	Wareham.
John W. Hatton,	Plymouth.	John Joice, Jr.,	Fitchburg.
William Dill,	Windsor.	Charles H. Nutting,	"
Anthony Jordan,	Clinton.	Joseph Flagg,	"
Geo. F. Sylvester,	Fitchburg.	Edward Scott,	Sterling.
Charles F. Barber,	"	Hattie A. Dawless,	"
James Clark,	"	Peter Maynard,	Marlboro.
Mary A. Tyrrell,	Spencer.	John Maynard,	"
Sarah M. Reed,	"	John Rice,	Westboro.



Persons having a legal pauper settlement in Worcester, and receiving full support at Bridgewater Work-house.

REGISTERED PAUPER NO.	NAMES.	AGE.	PLACE OF BIRTH.
1342	Scotto G. Kirby.....	17	Worcester.
301	John Moore.....	20	Worcester.
29	James A. Wessen.....	—	Mass.
1856	William Dineen.....	31	Lawrence.

Girls sentenced to, and supported in the State Industrial School at Lancaster, and having a settlement in Worcester :

REGISTERED PALPER NO.	NAMES.	AGE.	PLACE OF BIRTH.
1473	Minnie G. Flynn.....	—	Unknown.
1509	Annie Sherman.....	15	Unknown.

Boys sentenced to, and supported in the State Reform School at Westboro', and having a settlement in Worcester.

REGISTERED PAUPER NO.	NAMES.	AGE.	PLACE OF BIRTH.
1287	Frederick Belden.....	17	Worcester.
916	Timothy Buckley.....	16	Upton.
1287	Charles L. Belden.....	12	Worcester.
1721	Edwin Collins.....	15	Worcester.
935	Pat. Donovan.....	12	Unknown.
39	Alonzo Edwards.....	—	Unknown.
1250	Thomas Grady.....	15	Unknown.
1722	Dennis Lynch.....	13	Unknown.
1743	Frank Leonard.....	—	Worcester.
285	George McCann.....	13	Worcester.
285	Henry McCann.....	11	Worcester.
1338	John Shea.....	13	Ireland.
1648	John Sullivan.....	—	Unknown.

## ALMSHOUSE DEPARTMENT.

You were last year informed of the action taken by this Board on the recommendation of the Board of Fire Engineers, for the better protection of the Almshouse property from fire.

The dam built at that time, and which was afterwards partly destroyed by a freshet, has since been repaired and enlarged, and the other appliances at that time mentioned as necessary for further security, have since been added.

A substantial wooden building, twenty-four by thirty-six feet, and two stories high, has been built at the reservoir for a pump and wheel house, in the basement of which have been located a small turbine water-wheel, and two force pumps, with the necessary fixtures for forcing the water from the new reservoir to the Almshouse. A four-inch cast iron pipe, 1100 feet in length has been laid in the ground, and over it, in a straight line, a good road of the same length has been made. A fire hydrant has been placed in the center of the yard in the rear of the main building, on the end of the four-inch pipe, and a two-inch stand pipe, with a hose connection on each floor and sufficient hose to reach any part of the building, has been placed in each of the two wings of the main building, as was recommended by the engineers, and connected with the water main at the hydrant. Extra water tanks are to be placed in the attic, in which may be stored sufficient water for the necessary domestic purposes of the establishment, and which can be used in case of emergency, to a limited extent, for fire purposes, holding in check until further aid could be obtained from the city, any conflagration which would be likely to occur there.

The wheel-house was made sufficiently large to be of service as a repair shop for the farm tools and vehicles, and can be used for the storage of such as for the time being are not in use. As the dam gives a fall of upwards of fifteen feet, about five horse power has been developed, which, when not required for the water pumps, can be, if desirable, utilized for other purposes. This power can be much increased and the capacity of the reservoir more than doubled at but small expense in repairs on the old dam, and we recommend that the same be made during the coming summer.

No action having been taken by your honorable body, on the recommendation made by this Board last year, and which was concurred in by both the Superintendent of, and Committee on Public Buildings, that a suitable appropriation be made for putting in a steam heating apparatus at the Almshouse, although asked for on the score of economy as well as safety, and the old furnace being entirely worn out and in a dangerous condition, no remedy was left but to put in another furnace, which has been done, and is in good running order. But we still call your attention to the fact that it consumes a much larger quantity of fuel, and is attended with far greater risk than if the fires necessary in the different parts of the establishment were concentrated in one place and under the charge of a single person. The subject calls for your early consideration.

The Almshouse building was never in better condition than at present; but although ample in its dimensions when it was built, when our city had but about one-quarter of its present inhabitants, it is now entirely inadequate to our needs. Most of the rooms, although calculated but of sufficient size for a single cot, have been double bedded for some time, and notwithstanding that room is thus utilized to the full extent of its capacity, several of the family have to be quartered in the out-buildings connected with the establishment.

In case of an epidemic, or the advent of any contagious disease, this over-crowding would be dangerous, and the public would not sustain the action of this Board did we fail to call your early attention to it. We therefore recommend that a suitable appropriation be made to defray the expense of building, the coming season, an additional wing, in the rear of the main building, similar in form to the other two, and of sufficient capacity to accommodate the fast increasing numbers that will have to be provided for here, through the recent alterations in the pauper settlement laws.

We should not call for an expenditure of this nature, did we not feel fully convinced of the economy as well the necessity of the measure, as we now have absolutely no place for the accommodation of the idiotic and harmlessly insane inmates, except with the others, and the different mode of treatment required

for both, calls loudly for separate apartments, which under the existing circumstances, cannot be given. Many who could be as well cared for at the Almshouse as elsewhere, have to be allowed to remain in other places, at greater expense, for want of suitable room. We have no doubt but what a large proportion of the sum now annually expended for the maintenance of our insane poor, might be more judiciously used by this arrangement.

All of the barns and outbuildings are in thorough repair, with the exception of the swine house, the floor of which will need to be renewed the coming season.

The crops raised on the farm the past year, have fully equalled those from the best locations in this vicinity. The methods of cultivation outlined in our report of last year, have been continued, and resulted in seventy-seven tons of hay, six tons of rowen, six tons of millet, five hundred bushels of potatoes, one hundred and fifty bushels of flat turnips, nine tons rutabaga, thirty bushels of white beans, ten tons mangel-wurzel, twelve hundred baskets of corn in the ear, three and one-half tons of carrots, three acres of barley, eight hundred and fifty cabbages, beside a general supply of small garden vegetables for the use of the establishment.

On Thursday, Oct. 30th, the Board of Overseers of the Poor, with the Superintendent of Public Buildings, met at the City Almshouse for the purpose of making a general inspection of the premises, indoors and out, at the completion of which, they expressed their entire approval of the appearance of the whole establishment. They were afterward invited by the Superintendent and Matron to partake of a generous repast which had been prepared for them. At its close the Mayor called the Board to order, and in a complimentary speech, called attention to the various improvements which have been inaugurated and successfully carried out by the Superintendent and the Matron during the time they have occupied their position. He then called, in succession, upon each member of the Board present, and all responded, fully concurring in the views expressed by him, and endorsing all that had been said and done. A unanimous vote of thanks was accorded Mr. and Mrs. Parkhurst for the faithfulness with

which they had discharged their duties during the year, and their endeavors to make the occasion a pleasant one.

For the same reason recommended last year, the Board call your attention to the request then made, that an order be passed authorizing the sale of the outlying wood lots belonging to the Farm, should an opportunity offer, as they are not now needed for obtaining fuel for the establishment, as formerly, it now being heated entirely with coal.

On Thursday, November 20th, the Board of Overseers, aided by the Board of Assessors, made the annual appraisal, with the following result:—

96 acres of cleared land, at \$80.00,	7,680 00
100 acres of wood land, at \$75.00,	7,500 00
26 acres Harlow pasture, at \$40.00,	1,040 00
50 acres Davidson pasture,	1,280 00
24 acres Bond meadow,	600 00
8 acres Curtis lot,	2,400 00
Total value of land,	\$20,500 00
Almshouse Building,	\$20,000 00
Small Brick House and Corn Barn,	1,000 00
Small Pox Hospital Building,	500 00
Farm Stock Barn and Connections,	7,000 00
Farm Horse Stable and Shed,	5,000 00
Swine House and Pens,	5,000 00
Pump House and Water Works,	3,000 00
Total value of Buildings,	\$41,500 00
Total value of Land,	20,500 00
Total value of Real Estate,	\$62,000 00
Total value of Farm Stock, Tools, Vehicles, etc.,	6,958 85
Furniture and Household Utensils,	5,150 64
Appurtenances of the Truant School,	261 25
Swine and Scavenger Department,	6,002 00
Total Valuation,	\$80,372 74

The Board then expressed their entire satisfaction with the result of the appraisal, and renewed their commendations of both the Superintendent and Matron for the general good condition and appearance in which all departments of the establishment were found.

The number of paupers in the Almshouse on the last day of November was fifty-five, of whom, as well as of all others who have been supported during the year, the annexed list gives full particulars.



List of paupers who have been fully supported at the Alms-house in this city, during the year 1879 ;

Registered Pauper No.	NAMES.	AGE.	PLACE OF BIRTH.	PERIOD OF SUPPORT.		REMARKS.
				Began.	Ended.	
3	David Kimball,	46	Worcester.	Jan. 5, '57	Continues.	
4	Allen Cummings,	42	Ware,	Apr. 2, '57	"	
84	Emeline Parkhurst,	68	Oakham,	June 15, '68	"	
134	William Jones,	72	Salem,	July 1, '70	"	
154	Elsie Adams,	55	Worcester,	Mch. 24, '70	June 12, '79	Deceased.
191	Morris Moriarty,	71	Ireland,	Nov. 6, '71	Continues.	
245	John Luby,	52	"	Feb. 6, '73	"	
271	William Collins,	22	Worcester,	April 5, '73	"	
294	J. J. O'Leary,	53	Ireland,	Aug. 1, '73	"	
378	Pat. Coffee,	73	"	Feb. 4, '74	"	
379	Timothy Coffee,	10	Worcester,	Feb. 4, '74	"	
395	James Mackin,	72	Ireland,	June 29, '75	"	
400	Dexter W. Jones,	82	Mass.,	July 21, '75	"	
401	Henry Hoyle,	34	Grafton,	July 21, '75	"	
438	William Mitchell,	66	England,	Jan. 21, '76	"	
441	John Sweeney,	32	Ireland,	Feb. 28, '75	"	
443	Maria McCarty,	...	"	Feb. 27, '77	"	
452	Susan Carpenter,	50	Germany,	Apr. 17, '76	"	
455	Thomas Whalen,	73	Ireland,	Apr. 18, '76	"	
457	Daniel F. Andrews,	54	Hinsdale,	June 1, '76	"	
479	John McCue,	...	Ireland,	Dec. 7, '76	"	
519	Roxanna Lennon,	48	"	Sept. 17, '77	"	
508	Wm. Prescott,	31	Worcester,	July 18, '77	"	
522	Catherine Walcott,	63	Williamst'wn	Sept. 24, '77	"	
525	Jas. J. Johnson,	...	Unknown,	Oct. 29, '77	May 15, '79	
526	William Coxon,	69	England,	Oct. 29, '77	Continues.	
533	William Gardner,	72	Norwich,	Dec. 11, '77	"	
544	Enoch Stallardt,	52	Germany,	Jan. 19, '78	"	
547	Lydia Brown,	69	Worcester,	Feb. 1, '78	Aug. 5, '79	Deceased.
561	Adeline M. Young,	52	"	Apr. 23, '78	Oct. 20, '79	
571	Eliza King,	70	Ireland,	May 8, '78	Continues.	
572	Emma H. Taylor,	43	Orange,	May 25, '78	Sept. 18, '79	Deceased.
573	Timothy Regan,	56	Ireland,	June 4, '78	Continues.	
581	Louisa Hood,	...	Unknown,	July 1, '78	"	
590	Francis Murphy,	75	Ireland,	July 8, '78	"	
591	Edward Deady,	46	"	July 27, '78	"	
592	Michael Hayes,	49	"	July 27, '78	April 28, '79	
596	George Stebbins,	18	Worcester,	Aug. 28, '78	Continues.	
597	George W. Stanley,	43	Natick,	Sept. 11, '78	"	
600	John Murphy,	76	Ireland,	Sept. 27, '78	"	
601	Thomas McCann,	65	"	Oct. 27, '78	"	
603	William Maple,	...	Unknown,	Nov. 6, '78	May 19, '79	
604	Peter McGirl,	68	Ireland,	Nov. 25, '78	Continues.	
605	James Belden,	66	Northfield,	Nov. 26, '78	Dec. 11, '78	
606	Mary Underwood,	19	Worcester,	Nov. 27, '78	Dec. 24, '78	
607	Ansil W. Underwood,	Inf.	"	Nov. 27, '78	Dec. 24, '78	
608	Patrick Hurley,	50	Ireland,	Nov. 30, '78	May 20, '79	
609	Thomas Reilley,	37	England,	Dec. 3, '78	Continues.	
610	James Reilley,	6	Worcester,	Dec. 3, '78	Dec. 14, '78	
611	Isabella Connor,	68	Boston,	Dec. 20, '78	Dec. 30, '78	Deceased.
612	Joseph Lawler,	17	Worcester,	Dec. 21, '78	Continues.	
614	Ivory Damon,	74	Lunenburg,	Jan. 11, '79	April 23, '79	
578	Bridget Kaniry,	32	Ireland,	June 14, '78	Dec. 19, '78	
579	Thomas Kaniry,	11	Worcester,	June 14, '78	Dec. 19, '78	
580	Margaret Welch,	...	Unknown,	June 20, '78	Dec. 20, '78	



Registered Pauper No.	NAMES.	AGE.	PLACE OF BIRTH.	PERIOD OF SUPPORT.		REMARKS.
				Began.	Ended.	
613	George Gleason,	48	Worcester,	Jan. 8, '79	Continues.	
615	Austin Upham,	64	Conn.	Jan. 15, '79	"	
616	Edward Salmon,	21	Uxbridge,	Jan. 31, '79	Feb. 23, '79	
...	Patrick Cannon,	60	Ireland,	Feb. 1, '79	April 4, '79	
617	Latham Havard,	55	Vermont,	Feb. 5, '79	April 1, '79	
618	William Dineen,	21	Lawrence,	April 25, '79	May 15, '79	
619	James Belden,	66	Northfield,	April 25, '79	April 30, '79	
...	Hartzell Caldwell,	55	"	April 29, '79	April 30, '79	
620	Edward Salmon,	21	Uxbridge,	May 15, '79	Continues.	
621	George L. Palmer,	65	Salem,	May 15, '79	"	
622	George Amsperger,	40	Germany,	May 25, '79	"	
623	Thomas Mullen,	47	Vermont,	June 5, '79	June 27, '79	Deceased.
624	Patrick Hurley,	50	Ireland,	June 7, '79	Continues.	
625	Huldah Brown,	72	Canada,	June 18, '79	June 27, '79	
626	Henry M. Ide,	47	R. I.	June 27, '79	Continues.	
627	James Hurley,	9	Worcester,	July 4, '79	Nov. 25, '79	
628	Mary Loury,	38	Ireland,	July 15, '79	Aug. 7, '79	
629	Mary Hogan,	70	"	July 16, '79	Aug. 25, '79	
630	William Dineen,	31	Lawrence,	Aug. 16, '79	Oct. 22, '79	
631	James Belden,	66	Northfield,	Sept. 8, '79	Continues.	
632	Peter King,	62	Canada,	Sept. 16, '79	Sept. 18, '79	
633	Ellen Coffee,	75	Ireland,	Sept. 18, '79	Continues.	
634	William Cather,	70	Europe,	Sept. 20, '79	"	
635	Mary A. Williams,	70	Westford,	Oct. 10, '79	"	
636	John Moore,	20	Worcester,	Oct. 22, '79	"	
637	Lizzie Shea,	33	Ireland,	Oct. 23, '79		
638	Barbara Kohl,	36	Germany,	Oct. 23, '79		
639	John Burr,	87	Norton,	Nov. 1, '79		
640	Edwin Robie,	57	Cambridge,	Nov. 1, '79		
641	Julia Larkin.	50	Ireland.	Nov. 7, '79	Nov. 15, '79	

## CITY ALMSHOUSE DEPARTMENT.

MONTHLY ACCOUNTS.	No. of Inmates.	Amount of Expenditures.	Amount of Receipts.	NET COST.
1878.				
December. ....	52	\$1,222 85	\$263 58	\$959 27
1879.				
January.....	51	1,042 95	256 46	786 49
February ...	53	706 76	283 42	423 34
March.....	52	778 29	308 58	469 71
April.....	55	582 96	494 51	88 45
May.....	52	644 55	243 47	401 08
June.....	52	929 64	294 86	634 78
July.....	52	962 47	274 89	687 58
August. ....	53	1,962 66	265 39	1,697 27
September..	54	2,154 86	264 35	1,890 51
October.....	56	2,364 76	269 49	2,095 27
November.....	55	1,589 30	289 35	1,299 95
		\$14,942 05	\$3,508 35	\$11,212 00

Appropriation, . . . . .	\$11,433 70
Revenue, . . . . .	3,508 35
Total, . . . . .	\$14,942 05
Expenditures, . . . . .	14,942 05

This account includes the salary of the Superintendent and all hired labor at the Almshouse and farm.

## CITY SCAVENGER DEPARTMENT.

In our report of last year, your attention was called to the fact that we were continually reducing the expenses in this department, which were,

In 1876,	.	.	.	.	.	.	\$5,334 19
In 1877,	.	.	.	.	.	.	2,452 19
In 1878,	.	.	.	.	.	.	1,144 79

And we stated that is the city ordinance in regard to carrying offal through the streets, should be enforced, as had previously been recommended by this Board, the department would be self-sustaining. The truth of this statement has this year been demonstrated, as, even without the enforcement of the ordinance, not a dollar of the two thousand which was appropriated for this department, has been expended, and the Auditor's books show a net revenue of \$477.18 from this department, which, with the appropriation, has been transferred to the sinking fund.

Owing to favorable sales of pork, we have done better than we anticipated, and probably better than can be done the coming year, as some repairs will have to be made on the swine house. We, therefore, recommend that a suitable appropriation be made to cover the same, and also again call your attention to the desirability of either enforcing the ordinance above mentioned, or abolishing it at once: as it either is or is not legal, and, as it is a matter of dollars and cents to the city treasury, and of annoyance to those who are charged with the work, it is a point which ought to be correctly interpreted.

In view of what has been accomplished in this work, your attention is called to our remarks made in reference to it, five years since, when it was the subject of much unfavorable comment by many who were unacquainted with the subject:

“We have gone thus into detail in this division of the report in order to show that we had not committed an error in judgment, when we informed you one year since, ‘We have entire confidence that when the benefits of our exertions in this

department are understood, they will be fully appreciated.' And the following item, recently copied from a source from which emanated a large proportion of the complaints made against the measures taken to improve the sanitary condition of the city at that time, will show we were not mistaken, and is as follows :

'Whatever may have heretofore been thought of the Scavenger Department, a visit to the establishment at the present time is sufficient to convince the most skeptical of its complete success.'

With this acknowledgment, from such a source, we are of the opinion that nothing further need be said in vindication of the measures by which it was established."

## CITY SCAVENGER DEPARTMENT.

MONTHLY ACCOUNTS.	Amount of Expenditures.	Amount of Receipts.	Receipts above Expenditures.	NET COST.
1878.				
December.....	\$352 50	\$144 21	.....	\$208 29
1879.				
January.....	336 65	461 88	\$125 23	.. ..
February.....	282 95	53 60	.....	229 35
March.....	325 67	109 35	.... ..	216 32
April.....	263 67	267 87	4 20	.....
May.....	339 66	1,052 22	712 56	.....
June .....	452 00	197 10	.....	254 90
July .....	273 80	55 60	.....	218 20
August .....	293 25	54 20	.....	239 05
September.....	316 41	810 81	494 40	.....
October .....	324 44	57 20	.....	267 24
November. . . . .	274 90	1,049 04	774 14	.....
	\$3,835 90	\$4,313 08	\$2,110 53	\$1,632 35

Appropriation, . . . . .	\$2,000 00
Revenue, . . . . .	4,313 08
<b>Total, . . . . .</b>	<b>\$6,313 08</b>
Expenditures, . . . . .	3,835 90
Unexpended balance, . . . . .	\$2,477 18

## TRUANT SCHOOL DEPARTMENT.

This school has been criticised to some extent by persons who have not informed themselves of its workings and wholesome effect on that class of pupils attending our public schools, who are most difficult to manage; but we are confident that if they should take the trouble to visit and investigate, their opinions would undergo a radical change.

Boys only are sent there, and for truancy alone. We have used our best endeavors continually, since its origin, to prevent what we have considered a bad practice in some other municipalities, viz: the sentencing of petty thieves to the same institution. We have thereby succeeded in keeping its numbers at a minimum, and, although the cost per capita has been greater, the gross expenses have been much less, and the risk of making its inmates worse by giving them criminal associates, has been avoided.

In the annexed table are shown the monthly expenditures of the school. For further particulars, you are referred to the Superintendent of Schools, who is chairman of the sub-committee of the Board, having especial charge of the same.



## TRUANT SCHOOL DEPARTMENT.

MONTHLY ACCOUNTS.	Number of Pupils.	Cost of Board.	Clothing and other Expenses.	Teaching and Supervision.
1878.				
December... ..	7	\$88 56	\$26 25	\$20 83
1879.				
January. ....	8	88 56	10 00	20 83
February.....	8	90 00	4 00	20 84
March.....	11	111 95	4 32	20 83
April.....	10	111 95	....	29 83
May.....	11	87 47	8 90	20 84
June.....	8	96 39	5 50	20 83
July.....	8	96 39	8 13	20 83
August.....	8	96 39	...	20 84
September.....	8	86 75	....	20 83
October.....	10	98 49	12 00	20 83
November.....	7	90 68	....	20 84
		\$1,143 58	\$79 10	\$250 00

Cost of Board,	\$1,143 58
Clothing and other expenses,	79 10
Teaching and supervision,	250 00

Total expenditures,	\$1,472 68
---------------------	------------

Appropriation,	\$1,500 00
Expenditure,	1,472 68

Unexpended balance,	\$27 32
---------------------	---------

Average number of pupils 8.  
Average cost per capita \$184.08.

By the acceptance of the city of the act of the legislature establishing a Board of Health, our City Physician is now a part of that body, and is not at present, as formerly, elected annually. From causes unknown to us, no one was appointed to the position at the commencement of the year. As our physician of last year held over until another was chosen and qualified, the duties were faithfully performed by Dr. Niles, from Nov. 30, 1878, the close of the municipal year, until March 26, 1879, and he submits a report for that time.

From the latter date to the present, the service has been performed by Dr. Rufus Woodward, whose name is well known to you, he having acceptably served the city on many past occasions. For the balance of the year, you are referred to his report, hereto annexed.

All of which is respectfully submitted.

GEORGE W. GALE,

*Clerk.*

CHARLES B. PRATT,  
W. ANSEL WASHBURN,  
ALBERT P. MARBLE,  
GEORGE W. GALE,  
JAMES DRAPER,  
CHARLES BELCHER,  
CALVIN L. HARTSHORN,  
CHARLES S. RUGG,  
WALTER HENRY,

*Overseers of the Poor of the City of Worcester.*

# R E P O R T

## OF THE

### Committee of the Truant School.

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*To the Honorable City Council of the City of Worcester :*

The Committee on the Truant School submit the following report for the year ending Nov. 30, 1879:

For information concerning the purpose and aim of this school, and the necessities that have called it into existence and continued it, you are referred to former reports, since the year 1863, and especially to that for the year 1878. Persons in official stations, but not familiar with those facts, have sometimes doubted the wisdom of maintaining such a school. It therefore became necessary to call the attention to the origin and object of the school; and that has before been stated and need not be repeated here.

This is a reform school and not a penal institution. No odium, therefore, attaches to a boy sentenced here as it would if he were sent to jail for crime.

All the influences are reformatory in their nature, and the pupil is met in a spirit of kindness and love, which generally makes of him a good pupil on his return to school. And this spirit has its due effect, because the child is compelled to feel its influence and submit to its control. In the case of many of these boys, the life in this school is not a hardship. The comfort it affords, its regular duties and wholesome restraint, furnishes the first opportunity they have to be good. The time to pity them was when they roamed the streets as vagabonds and slept in some outhouse.

As in former years, there have been several applications from neighboring towns for the privilege of assigning their truants

to this school. In every case the application has been refused. There is not room for out of town pupils, and it is better to introduce no different element of evil we know not about.

Since its origin in 1863, and up to December, 1873, the number sentenced to this school was 167. Since that date, the number each year has been as follows: 1874, 11; 1875, 14; 1876, 9; 1877, 8; 1878, 10; 1879, 9.

	61
	167
Total,	<hr/> 228
For the present year, number at the beginning, . . .	7
At the close of the year, . . . . .	7
Sentenced during the year, . . . . .	9
Average attendance for the year, . . . . .	8

## EXPENDITURES.

Cost of Board, teacher and pupils, . . . . .	\$1,143 58
“ Clothing, etc., . . . . .	79 10
“ Teaching and supervision, . . . . .	250 00
Total, . . . . .	<hr/> \$1,472 68
Unexpended balance, . . . . .	27 32
Appropriation, . . . . .	<hr/> \$1,500 00
Average cost per pupil, . . . . .	\$184 08

The expenses for the ensuing year will be about the same as last year, in all probability; consequently an appropriation will be needed of the same sum, viz., \$1,500.00.

All which is respectfully submitted.

A. P. MARBLE, *Supt. of Schools.*

W. A. WASHBURN, *City Marshal.*

C. L. HARTSHORN,

*Chairman Com. at City Farm.*

COMMITTEE ON THE TRUANT SCHOOL.

Worcester, Dec. 20, 1879.

# ANNUAL REPORT

## OF THE

# CITY PHYSICIAN.

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WORCESTER, March 26, 1879.

*To the Honorable City Council :*

Report of the City Physician from November 30, 1878, to March 26, 1879.

Visits to city patients, . . . . .	477
“ almshouse, . . . . .	12
<hr/>	
Whole number of visits, . . . . .	489
Office visits, . . . . .	30
Vaccinations, . . . . .	30

Included in above are :

Visits to police station, . . . . .	6
Labor cases, . . . . .	4
Consultations, . . . . .	2
Visit to Springfield, . . . . .	1
Commitment of insane, . . . . .	4

Respectfully submitted,

D. W. NILES, M. D.,

*Ex City Physician.*

*Gentlemen of the City Council :*

From March 25th, the date upon which I assumed the office of City Physician, until within a few days of this present time, I congratulate you and our citizens that no epidemic or unusual degree of sickness has visited our beloved city. Just now, however, I regret to say that we are disturbed by the presence of small-pox in our midst. Up to the time of this present writing there have been nine cases of this most dreaded disease, three of which proved rapidly fatal. I hope and trust the vigorous measures adopted by the Board of Health, have now, or very soon will stop, the spread of the disease.

The first case came from Canada, in the person of an unvaccinated infant. This case ran on to a fatal termination, and was buried with public funeral ceremonies, without the knowledge of the city authorities. Three children in the same house, and six other persons, who, in one way or another, had exposure from this case, were attacked. No well vaccinated person, although many had been exposed, has, as yet, developed the disease. This fact is very important as showing the protective power of vaccination.

By providing free vaccination for all school children who choose to apply, and by refusing admission to the schools to all those not satisfactorily vaccinated, we have placed our city upon very high and commendable sanitary ground. I therefore recommend that this wise measure of protection be continued.

The Hospital for Contagious Diseases, located at the Farm, has proved useful, and in most respects satisfactory. It is too small for our needs if we should have a general epidemic; by good fortune, we have made it answer thus far.

The health of the inmates at the City Farm has been good for persons of their class. Many of them are aged and feeble, having no power to withstand attacks of acute disease. Four of them have died, and eight others, also have died, under my care in the city, viz :



Ann Burke,	aged 47	Tumor.
Ellen Keagan,	" 57	Dropsy.
Timothy Toole,	" 62	Erysipelas.
Elsie Adams,	" 55	Epilepsy.
Patrick Small,	" 65	Sun Stroke.
Thomas Mullen,	" 47	Pneumonia.
John E. Bradley,	" 1	Scarlatina.
Michael Durbin,	" 35	Consumption.
Lydia Brown,	" 69	Debility.
Emma H. Taylor,	" 43	Specific Abscesses.
Andrew J. McKinstry,	" 63	Bright's Disease.
Margaret McAuliffe,	" 1	Meningitis.

The number of professional visits made for the nine months has been four hundred and fifteen, of which twenty-nine were to the police office, and eighteen to the city farm. Thirty-five consultations at the office have also been given.

The regular office hours for the vaccination of school children have been held weekly, and three hundred and ninety-one have availed themselves of this opportunity. The material used has always been the best that could be obtained, and the results have been highly satisfactory.

I wish to express my thanks to Mr. Gale, the Clerk of the Board, for his assistance and uniform courtesy to me on all occasions; and also to Mr. Marble, whose office has been seriously disturbed by my weekly visits; to Mr. and Mrs. Parkhurst, at the Farm; to the City Marshal and all the members of the City Police, my acknowledgements are due for their zeal in carrying out all my requests, and for the pleasant relations I have had with them.

Respectfully submitted.

RUFUS WOODWARD, M. D.,

*City Physician.*

WORCESTER, Jan. 2, 1880.

At the regular monthly meeting of the Board of Overseers of the Poor, held this date, the foregoing reports were unanimously adopted, and the Clerk was instructed to present the same to the City Council, with the request that the matter be printed at an early day, and the Board be furnished with five hundred copies for distribution and exchange with other cities and towns.

GEO. W. GALE,

*Clerk.*

# DIRECTORS' REPORT.

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*To the Honorable Frank H. Kelley, Mayor, and to the City Council of the City of Worcester :*

The library has now been established twenty years, and the wisdom of the city and its early friends in founding it is amply justified by the record of its condition and of the valuable services it is rendering, as shown in the Reports of the Librarian, the Committees, and the Treasurer of the Board.

These Reports are herewith transmitted, by a vote of the Board of Directors, as a portion of their Report.

Perhaps the most notable statement in the Report of the Librarian, is that in which it is shown that the use, already large, of the Reference Library has continued greatly to increase during the past year.

The Board would emphasize his suggestion that immediate steps be taken to do, as rapidly as possible, the work preliminary to the issue of a new printed catalogue of the whole, or portions of the books in the Circulating Department.

Details of the work done during the past year, and of that contemplated in the coming year, are contained in the tables and observations of the Librarian's Report, and are submitted for your inspection and careful consideration.

The Committee on the Library has quietly and faithfully performed its duties, but has left the Librarian to report with minuteness on the work done under its supervision.

The Committee on the Reading Room has added to its Report a list of the papers and periodicals that can be seen in our rooms.

It is important that this list should be printed occasionally, and it has not appeared in our Report for several years.

The Committee on the Building mentions that the elevator has not yet proved satisfactory. It has been examined by the firm which put it in, and certain improvements have been added to it since the Report of the Committee was submitted, which it is hoped will make its working satisfactory.

A full statement of the resources and expenditures of the Library will be found in the Report of the Committee on Finance, and in the account of the Treasurer of the Directors. These Reports give also a detailed account of the investments of the Trust Funds.

In the Report of the Librarian will be seen a consolidated statement of the reports relating to the financial affairs of the Library.

From comparatively small beginnings the Library has, under the management of its successive Boards of Directors, aided by our very able and faithful Librarian and his assistants, who for years have devoted their talents and energies to its interests and to its increase and improvement, become an educational force of great power and influence, cooperating with our admirable system of public schools in educating our people, and making Worcester a place desirable as a residence to all who value knowledge and education, and the privileges and means of obtaining them; and the Board desire most earnestly to insist that, even in a pecuniary point of view, money is well spent when voted for the maintenance and increase of a Public Library. The Board, therefore, most confidently appeals to the City Government to aid it in keeping its present high reputation and in increasing its usefulness.

In behalf of the Board of Directors,

P. C. BACON,

*President.*

Worcester, Jan'y 10, 1880.

# Report of the Librarian

## OF THE

# FREE PUBLIC LIBRARY,

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*To Hon. Peter C. Bacon, President of the Board of Directors  
of the Free Public Library :*

Following is the twentieth annual report of the Librarian :

It is the ninth made by me while in your service. Herein are tables in which are given the facts relating to the work done in the library during the past year, and to its present condition, which are of general interest, such as the number of volumes added, the number used, a classified account of our entire expenditures, and a statement of the present financial condition of the institution.

In the appendix will be found a list of givers of books and pamphlets. It is only necessary for me to add a few words in regard to our affairs during the year which has just closed and respecting work which must be undertaken at once.

The following organizations and individuals should be mentioned here by name, on account of the value of their gifts, or for some other equally potent reason, namely: The City of London, England; the United States Government, and several of its Departments; the State of Massachusetts; E. S. Cheshbrough, Esq., Engineer of the City of Chicago; the City of Boston; the American Institute of Mining Engineers; the Franklin Institute of Philadelphia; the New York State Library; the Boston Athenæum; the Boston Public Library;

Harvard College Library; Professor Alexander Agassiz, of Cambridge; A. C. Fearing, Jr., Esq., of Newton; Hon. Charles L. Flint, Secretary of the State Board of Agriculture; Francis T. King, Esq., and Mr. John E. Marshall, of Baltimore, for a valuable volume and pamphlets, relating to the construction of the hospital connected with the Johns Hopkins University; Gen. M. F. Force, of Cincinnati; Gordon W. Burnham, Esq., and Mr. W. T. Washburn, of New York City; the widow of Charles Pickering, and Dr. Samuel A. Green, of Boston; Charles Francis Adams, Jr., Esq., of Quincy; and Hon. W. W. Rice, Hon. Stephen Salisbury, Hon. George F. Hoar, Hon. Charles Devens, Col. John D. Washburn, and Stephen Salisbury, Jr., Esq., of this city.

Among the books added to the library by purchase during the past year, I find none whose titles it is important to record in this report.

It is to be regretted that the income of the Green Library fund has to be so exclusively devoted, as is now the case, to the purchase of current literature, and that a portion of it, at least, cannot be spent with the more legitimate purpose of adding to our collection expensive works of reference. There are several valuable sets of books, which, were they accessible, would further the industrial interests of the city, and which it is, therefore, desirable for us to buy. It is, on this account, to be hoped and expected that as the city grows prosperous again, it will make us as large appropriations as formerly, and thus enable us to use the Green Library fund in the interests of thorough and profound investigation.

The use of the reference library has grown rapidly during the past year. The number of volumes placed in the hands of readers and students is more than 4,200 greater than in the previous year. Thus the experience of every one of the last nine years has been repeated. The use of this department has risen from almost no use, nine years ago, to the consultation of 34,311 volumes during the year now reported on. It must always be borne in mind that in the figures, as given in the annual reports, only such volumes are counted as are put into the hands of readers and students, or used by officers in furnishing informa-



tion sought for. None are counted to which a person has helped himself from our well filled and much used reference shelves.

Of the 34,311 volumes, whose use is here noted, more than 30,000 have undoubtedly been used for serious purposes, and less than four thousand for mere amusement. This showing is even better than the excellent one made last year.

In view of these facts, the Board of Directors may well feel proud of the success which has attended the execution of the plan adopted by them nine years ago. Citizens are coming very generally to appreciate the advantages of having constantly at hand a large reference library, selected with especial reference to their wants, to consult with such personal aid as they choose to avail themselves of in its use, and with experts in general bibliography continually at their service for giving information in regard to books. Plans have been formed for making this department of the library still more useful. They will be laid before you in due time.

The Sunday use of the library and reading room has, as usual, increased during the past year. 2,827 volumes have been delivered to readers for use within the building, as against 2,482 volumes during the previous year, and 13,951 persons have used the rooms. The number the year before was 12,883.

The use of the circulating library has fallen off, somewhat, during the past year. It has been anticipated this would be the case. The use of this department will probably fall off still further the present year. The number of volumes, however, used during the past year, has been very large, namely, 123,087.

The principal cause for this diminution of use, is to be found in the fact of the more general resumption of business, and in the consequent abridgment of the amount of time which can be given to reading, and lessening need for unusual occupation.

Other causes are, that we are constantly raising the standard of the character of books circulated, and that we have not had money enough placed at our disposal to enable us to satisfy the varied wishes of a numerous constituency.

We could increase the number of volumes circulated by removing existing restrictions, which allow but one volume to

be taken out at a time, and two only in a single week. It seems hardly wise to pursue this course, however, excepting in the case of important needs made known to the librarian.

While the young ladies in charge of the circulating department are relieved from a portion of their usual work, it is proposed to have them study, under the supervision of the librarian, the character and general scope of the contents of the books in the library, with reference to making their services more valuable in the assistance of readers.

The editions of the catalogue and supplement to the catalogue of the books in the circulating department of the library are exhausted. Work preparatory to issuing a new catalogue of the whole or portions of the books in this department must be begun at once.

Considerable progress should be made in the work the present year. Plans have been carefully formed for carrying it forward, which will soon be laid before the Library and Financial Committees.

In regard to Poole's Index of Periodical Literature, a new edition of which is now being prepared by the united labors of a number of libraries, it may be stated that the work upon it is progressing very satisfactorily.

The catalogue of 5,000 selected books suitable for general use, to be prepared and issued under the auspices of the American Library Association, has been placed under contract, and the editor has begun work upon it.

The thanks of the library are due to several other libraries for courtesies extended to us during the past year, and particularly to the Boston Public Library, the Boston Athenæum, and Harvard College Library, for frequent loans of books.

As we have few opportunities to return the favors which these libraries extend to us, I would suggest that we extend still further the privileges which have been accorded inhabitants of towns near Worcester, and besides allowing them to examine books within the library building, occasionally, and under proper regulations, permit students to take books to their homes.

The list of additions, which we are issuing in conjunction with the Boston Athenæum and the Young Men's Library As-

sociation of Buffalo, has proved useful, and is secured at a very small cost.

The account of the librarian has been examined, and the following certificate handed to me :

CITY OF WORCESTER,        }  
FREE PUBLIC LIBRARY, Dec. 1, 1879. }

I have examined the librarian's account, from December 1st, 1878, the date of the last settlement, and find it stands as follows :

Cash balance in librarian's hands, Dec. 1st, 1878,	\$127 87
Received for fines, sales of catalogues, and miscellaneous, . . . . .	491 63
	<hr/> \$619 50
Paid to treasurer of Directors, for which his receipts are on file, . . . . .	507 12
	<hr/>
Balance in librarian's hands, . . . . .	\$112 38

J. EVARTS GREENE,

*For Committee on Finance.*

## RECEIPTS AND EXPENDITURES.

### RECEIPTS.

Municipal appropriation, . . . . .	\$8,000 00
Income from invested funds :	
Green Library fund, . . . . .	\$1,649 82
Reading room " . . . . .	632 89
	<hr/> \$2,282 71
Receipts from dog licenses, . . . . .	2,810 98
" " fines, . . . . .	404 75
" " sale of catalogues, . . . . .	56 47

Payments for missing or damaged books, . . . . .	10 61
Sale of condemned books, . . . . .	87
Sundries, . . . . .	18 93

Total, . . . . .	<u>\$13,585 32</u>
Cash on hand at last report:	
Green Library fund, . . . . .	\$1,869 51
Reading room " . . . . .	518 41
Fines, catalogues, &c., . . . . .	127 87
Special city appropriation, . . . . .	986 66
	<u>\$3,502 45</u>
	<u>\$17,087 77</u>

## EXPENDITURES.

## BOOK ACCOUNT.

## Books:

Green Library fund, . . . . .	\$1,496 44
City appropriation, . . . . .	2,099 99
	<u>\$3,596 43</u>

## Pamphlets:

Green Library fund, . . . . .	1 25
City appropriation, . . . . .	11 54
	<u>\$12 79</u>

## Periodicals:

Green Library fund, . . . . .	\$191 98
City appropriation, . . . . .	62 17
Reading room fund, . . . . .	574 30
	<u>\$828 45</u>

Binding, . . . . .	856 62
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## BUILDING ACCOUNT.

Repairs and additions, . . . . .	\$253 66
Furniture and fixtures, . . . . .	169 88
Insurance, . . . . .	25 00
Fuel, . . . . .	250 10
Lights, . . . . .	928 83

## SALARY ACCOUNT.

Administration and cataloguing (including wages of janitor), . . . . .	\$5,199 45
Extra service, . . . . .	731 87

## SUPPLY ACCOUNT.

Printing catalogues, . . . . .	\$138 71
Blanks and stationery, . . . . .	138 95
Postage, . . . . .	124 17
Paper covers (covering paper), . . . . .	00 00
Sundries, . . . . .	337 42
	<hr/>
	\$13,592 33

Cash on hand, December 1, 1879:

Green Library fund, . . . . .	\$1,829 66
Reading-room fund (including \$20.78 spent by the Treasurer of the Reading-room fund, after December 1, but before he made up his account), . . . . .	566 74
Special city appropriation, . . . . .	986 66
Money received for fines, sale of catalogues, &c., . . . . .	112 38
	<hr/>
	\$3,495 44
	<hr/>
	\$17,087 77

## ACCESSIONS.

Increase of volumes by purchase:

Green Library, . . . . .	419
Intermediate Department, . . . . .	249
Circulating Department, . . . . .	1,352
	<hr/>
	2,020

Increase of volumes by gifts:

Green Library, . . . . .	3
Intermediate Department, . . . . .	295
Circulating Department, . . . . .	5
	<hr/>

## Increase of volumes by binding pamphlets :

Intermediate Department,	.	.	.	6
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## Increase of volumes by binding periodicals :

Green Library,	.	.	.	68
Intermediate Department,	.	.	.	158
Circulating Department,	.	.	.	11
				<hr/> 237

## Increase by placing unbound volumes of periodicals in the library :

Intermediate Department,	.	.	.	4
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2,570.

## Number of volumes withdrawn since the last report :

Circulating Department,	.	.	176
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## Number of volumes missing since the last report :

Green Library,	.	.	.	5
Intermediate Department,	.	.	.	1
Circulating Department,	.	.	.	22
				<hr/> 28
				<hr/> 204

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2,366

## Number of volumes in the library as last reported :

Green Library,	.	.	.	18,628
Intermediate Department,	.	.	.	8,939
Circulating Department,	.	.	.	17,588
				<hr/> 45,155

Total number of volumes in the library,	.	47,521
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## Increase of unbound pamphlets by purchase :

Green Library,	.	.	.	15
Intermediate Department,	.	.	.	20
				<hr/> 35



## Increase of unbound pamphlets by gift:

Intermediate Department, . . . . .	243
Total increase for the year, . . . . .	<u>278</u>

## Number of newspapers subscribed for:

Reading room fund, . . . . .	82
Green Library fund, . . . . .	16
City funds, . . . . .	1
	<u>99</u>

Number of newspapers given to the reading room, . 44

## Number of magazines subscribed for:

Reading room fund, . . . . .	39
Green Library fund, . . . . .	32
City funds, . . . . .	17
	<u>88</u>

Number of magazines given to the reading room, 9

## CIRCULATION.

Number of days the Circulating department was open, . . . . . 306

Number of days the Reference department was open, . . . . . 359

Number of days the lower Reading room was open, 365

Number of volumes delivered for home use, . 123,087

“ “ “ “ reference “ . 34,311

Average daily use (home and reference), (Circulating department 402, Reference department, 112), . . . . . 514

Largest daily use (home and reference), April 19, . 1,193

(Largest in Circulating department, Feb. 8, 1,030 volumes; in Reference department, Nov. 1, 290 volumes).

Smallest daily use (home and reference), Aug. 14, 213

(Smallest in Circulating department, Dec. 10, 159 volumes; in Reference department, August 21, 18 volumes).

Number of books lost, and paid for :

Circulating department,	14
-------------------------	----

Number of books lost, and not paid for :

Green Library,	5
Intermediate Department,	1
Circulating Department,	4
	—
	10

Number of books worn out and withdrawn :

Circulating Department,	176
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Number of notices to delinquents,	5,190
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“ volumes bound,	1,437
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“ names registered during the year,	1,627
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Total number of names registered (a new registry made July 1, 1873,)	17,125
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### SUNDAY USE.

The reading-rooms are open from 2 to 9 P. M.

Number of persons using the upper room,	5,374
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“ “ “ “ lower room,	8,577
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Total number,	13,951
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Average number of persons per Sunday using the rooms,	263
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Largest Sunday attendance (Feb. 23),	429
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Smallest “ “ (June 1),	117
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Number of volumes delivered (for use within the building),	2,827
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Average number of volumes delivered per Sunday,	53
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SAMUEL S. GREEN,

*Librarian.*

# APPENDIX.

## GIFTS TO THE LIBRARY.

DONORS.	Books. Pamphlets and Papers.	DONORS.	Books. Pamphlets and Papers.
Acton Patriot,		1 Estes & Lauriat, <i>Boston</i> ,	1
Adams, Charles Francis, Jr., <i>Boston</i> ,	1	Evans, Henry N.,	2
Agassiz, A., Museum of Comparative		Exeter, <i>N. H.</i> , Town of,	1
Zoology, <i>Cambridge</i> ,	1	3 Fall River Public Library,	2
Allen, Edward G., <i>London, Eng.</i> ,	1	Fearing, A.C. Jr., Secretary Bunker	
No. of a periodical,	1	Hill Monument Association,	3
American Antiquarian Society,	2	Ferree & Co., <i>Philadelphia, Pa.</i> ,	1
American Institute of Mining Engin-		Flint, Charles L., <i>Boston</i> , 3 sheets,	64
eers,	1	Force, M. F., <i>Cincinnati, O.</i> ,	1
Amherst College Library,		1 Foster, N. F.,	1
Anonymous, 1 prospectus, 1 newspa-		Franklin Fire Insurance Company,	1
per, 1 folded paper,	2	9 Free Public Library &c., <i>Liverpool</i> ,	
Apprentices' Library, <i>New York City</i> ,	1	1 <i>Eng.</i> , 1 newspaper,	1
Arundel Society,		2 Friends' Free Reading Room and Li-	
Baird, Henry Carey & Co.,	1	brary, <i>Germantown, Pa.</i> ,	1
Baker, Frances M.,		General Society of Mechanics and	
Bartholomew English and Classical		Tradesmen, <i>New York City</i> ,	1
School, <i>Cincinnati, O.</i> ,		1 Green, Samuel A. <i>Boston</i> ,	3
Bell Telephone Exchange, 1 sheet,		Green, Samuel S., 1 sheet, 1 pro-	
Benét, S. V., Chief of Ordnance, U.		gramme,	6
S. Army,	1	Guntton, William, <i>Washington, D. C.</i> ,	1
Bigelow Free Library, <i>Clinton</i> ,		1 Hall, H. W., <i>Boston</i> , 8 Nos. of a peri-	
Bodleian Library, <i>Oxford, Eng.</i> ,		1 odical, 8 papers,	
Boston City of,		1 Harris, Henry F., <i>West Boylston</i> ,	1
Messenger of the City Council,	3	Harris, William T., <i>St. Louis</i> ,	1
Superintendent of Public Schools,		1 Hartford Library Association,	1
Boston Athenæum, 1 folded paper,	1	Hartford Steam Boiler Inspection	
Boston Public Library,	2	and Insurance Co.,	6
Boston University,	3	Harvard University Library,	2
Bowditch, William I., <i>Cambridge</i> ,		1 Hastings, Thomas J.,	4
Bowdoin College and Medical School,		Hawley, Goodrich & Co., Publishers	
<i>Maine</i> ,		1 of Connecticut Courant, <i>Hart-</i>	
Bradlee, C. D., <i>Boston</i> , 1 folded sheet,		<i>ford, Conn.</i> ,	
4 papers,		1 Hildebrand, E., <i>Philadelphia, Pa.</i> ,	1
Brookline Public Library,		1 Hoar, George F.,	4
Brown University,		1 Homes, Henry A., <i>Albany, N. Y.</i> ,	1
Burnham, Gordon W.,	1	Howell, Edward, <i>Liverpool, Eng.</i> ,	1
Cambridge Superintendent of Public		Howgate, H. W., U. S. A., <i>Wash-</i>	
Schools,	2	<i>ington, D. C.</i> ,	1
Chesbrough, E. S., <i>Chicago, Ill.</i> ,	1	Huntington, William R.,	1
Chicago Public Library,		1 Index Society, <i>London</i> ,	1
Childs, George W., <i>Philadelphia, Pa.</i> ,		Indianapolis Public Library,	1
1 paper,		1 Irwin, Edward,	1
City Library, <i>Manchester, N. H.</i> ,		1 Jarvis, Edward, <i>Dorchester</i> ,	1
Clarke, Robert & Co., <i>Cincinnati, O.</i> ,	1	King, Francis T., <i>Baltimore, Md.</i> ,	
Cobden Club, <i>London, Eng.</i> , 3 papers,	1	1 map,	1
Cook & Townsend, <i>Marlboro</i> ,		1 Knudsen, C. L., <i>South Norwalk, Ct.</i> ,	1
Crane, T. Frederick, <i>Ithaca, N. Y.</i> ,		1 Lancaster Town Library,	1
Cutler, E., 2 newspapers,		Lawrence Public Library,	5
Cutter, C. A., <i>Boston</i> , 1 folded paper,		Leavitt, George A. & Co., <i>New York</i> ,	2
Dartmouth College, <i>Hanover, N. H.</i> ,		1 Leicester Public Library,	1
Delaware Historical Society, <i>Wil-</i>		Leonard & Co., <i>Boston</i> ,	1
<i>mington, Del.</i> ,	1	1 Lewison, Lucy,	4
Devens, Charles,		1 Library Company of Philadelphia,	3
Dewey, Melvil, <i>Boston</i> ,	1	3 London, City of, <i>Eng.</i> ,	1
Dexter, George, <i>Cambridge</i> ,		1 Louisiana State University, &c., <i>Baton</i>	
Dexter, Julius, <i>Cincinnati, O.</i> ,		1 <i>Rouge</i> ,	1
Earle, Henry C.,		1 Lowell City Library,	1
Earle, Sarah F.,		3 Lynn Public Library,	1
Emerson, James, <i>Willimansett</i> ,	1	McCalla & Stavely, <i>Philadelphia, Pa.</i> ,	1

DONORS.	Books. Pamphlets and Papers.	DONORS.	Books. Pamphlets and Papers.
Macallar, Williams & Parker, <i>Boston</i> , 3		Sumner, E. L., 11 parts of a periodical, 7 sheets, 1	
Manchester Free Pub. Library, <i>Eng.</i> , 1		Taunton Public Library, 3	
Marshall, John E., Supt. of Construc- tion, Johns Hopkins Hospital, 2		Thayer, John R., 1	
Martel, J. H., 9 newspapers, 2		Toledo Public Library, 2	
Massachusetts, State of, 1		Topeka Free Library, 1 folded paper, 1	
State Library, 1		Tufts College, 1	
State Lunatic Hospital, Northamp- ton, through <i>Pliny Earle, Supt.</i> , 1		Union Relief Association, <i>Spring- field, through E. S. Osgood, Sec'y</i> , 2	
State Lunatic Hospital, Worcester, 1		United States, Board of Education, 1	
State Normal School, Worcester, 1		Chief of Engineers, 8	
May, Samuel, <i>Leicester</i> , 1		Comptroller of the Currency, 1	
Melrose Public Library, 1		Department of Agriculture, 1	
Mercantile Library Association, <i>New York</i> , 1		Department of Interior, 60	
Mercantile Library Association, <i>San Francisco</i> , 1		Department of the Treasury, 2	
Mercantile Library Company, <i>Phila- delphia, Pa.</i> , 2		Department of War, 1	
Museum of Fine Arts, <i>Boston</i> , 1		Library of Congress, 1	
New York State Library, 5		Naval Observatory, 1	
Newburyport Public Library, 1		Navy Department, 16	
Newton Free Library, 2		Patent Office, 1	
Paine, Nathaniel, 1		Patent Office Library, 1	
Perkins Institution and Massachusetts School for the Blind, 5		University of Vermont and State Ag- ricultural College, <i>Burlington, Vt.</i> , 1	
Peterson, Ellis, <i>Boston</i> , 1		Wall, Sarah E., 1	
Pickering, Mrs. Charles, <i>Boston</i> , 1		Waltham Public Library, 1	
Pittsburgh Library Association, 4		Washburn, Charles F., 5	
Plymouth Free Library, <i>Eng.</i> , 2		Washburn, John D., 2	
Portland Public Library, 1 newspaper, 2		Washburn, W. T., <i>New York</i> , 2	
Pratt, Charles B., 1		Waterhouse, S., <i>St. Louis</i> , 2	
Pratt Brothers, <i>Marlboro</i> , 1		Watertown Free Public Library, 1	
Providence Athenæum, 1		Wellesley College, 1	
Providence Public Library, 2		Wesleyan Academy, 2	
Public School Library, <i>Cleveland, O.</i> , 1		West Boylston Public Library, 1	
Publishers of Alta California, <i>San Francisco, Cal.</i> , 1		Whiting, Charles B., 1	
Publishers of Engineering and Min- ing Journal, <i>New York</i> , 2		Winsor, Justin, <i>Cambridge</i> , 2	
Publishers of the Independent, 1 newspaper, 31		Woburn Public Library, 1	
Rice, W. W., 1		Woodward, Charles L., <i>New York</i> , 1	
Roffe, A. H. & Co., 1		Worcester, City Auditor, 1	
Rowell, George P. & Co., 1		City Clerk, 3	
St. Johnsbury Athenæum, <i>Vt.</i> , 1		Superintendent of Public Buildings, 1	
St. Louis Public School Library, 1		Superintendent of Schools, 3	
Salisbury, Stephen, 3		Worcester & Nashua R. R. Company, 1	
Salisbury, Stephen, Jr., 4		Worcester County Free Institute of Industrial Science, 4	
Sauveur, L., 1		Worcester County Horticultural Soci- ety, by <i>Edward W. Lincoln</i> , 1	
Shaw, J. A., 1		Worcester County Musical Associa- tion, through <i>A. C. Munroe, Sec.</i> , 1	
Smithsonian Institution, 9		Worcester Society of Antiquity, 1	
Society to Encourage Studies at Home, <i>Boston</i> , 1 circular, 4 folded papers, 1 sheet, 2		Worcester Telephone Exchange, 1	
Sotharan, Henry & Co., <i>London, Eng.</i> , 1		Yale College, 2	
Southbridge Public Library, 1		Young Men's Association, <i>Buffalo, N. Y.</i> , 9 lists of additions, 1	
Spaulding, Elbridge G., <i>Buffalo, N. Y.</i> , 1		Young Men's Christian Association, <i>New York</i> , 1	
Stevens, B. F., <i>London, Eng.</i> , 1 sheet, 1		Young Men's Christian Association, <i>Worcester</i> , 1	
Stevens, Charles E., 1		Young Men's Mercantile Library and Mechanics Institute, <i>Pittsburg, Pa.</i> , 1	
Stroyer, Jacob, 2			

# R E P O R T

## OF THE

# Committee on the Library.

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*To the Directors of the Free Public Library :*

GENTLEMEN :—The Committee on the Library has held monthly meetings through the year, its chief duty being to pass judgment upon the very carefully and judiciously prepared lists of books presented by the Librarian. But little criticism of the lists has been found necessary, and the Committee have recommended for purchase 419 volumes for the Green Library, 249 for the Intermediate, and 1352 for the Circulating Department. The number of volumes in circulation shows again a slight falling off from previous years, for reasons which are considered in the Librarian's Report; but at the same time the number in use in the Reference Department has been greater by 4200 volumes than ever before.

The care of the Library has been, as usual, very faithfully attended to, and the number of books lost has been singularly small. 176 volumes have been withdrawn from circulation during the year and 24 have been lost, of which 14 have been paid for. In one or two cases, books taken from the Library have been traced out with such zeal and such marked success, that it is hoped the future lists of missing volumes will show a still greater decrease.

For the Committee,

EDWARD H. HALL,

*Chairman.*

WORCESTER, Dec. 19, 1879.



# REPORT

## OF THE

### Committee on the Reading Room.

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*To the Directors of the Free Public Library :*

The Committee on the Reading Room report that the increased accommodations afforded to readers in the lower reading room by the enlargement made toward the close of last year, have been found of great convenience, and they have made possible an arrangement of newspapers upon the stands, by which those chiefly used by evening readers have been placed by themselves, and by lowering the gas in other parts of the room, when not needed, a considerable reduction in the gas bills has been effected.

A few changes have been made in the list of newspapers and periodicals taken, and, as the list has not been published in full for several years, the committee have thought it best to append it to their report. The following classification of the periodicals taken, with their cost, is added for the information of the board. It does not pretend to be anything more than a rough grouping, because many newspapers and magazines combine in various proportions the characters indicated by the titles the committee has adopted for its classification. The total cost does not correspond exactly with the expenditure of last year, because the sums here given are the price of annual subscriptions, and several of the periodicals have been taken only for a part of the year, a few having been added and several discon-



tinued during the year. This table represents the list as it stands at present.

	News and Politics.		Science and Industry.		Literature and Art.		TOTALS.	
	No.	Cost.	No.	Cost.	No.	Cost.	No.	Cost.
American. ....	37	\$239 17	30	\$108 08	32	\$121 69	99	\$468 94
British.....	9	38 33	15	93 71	30	153 37	54	285 41
French .....	1	6 82	2	9 44	1	12 00	3	28 26
German .....	2	13 60	3	16 92	....	.....	5	30 52
Total .....	49	\$297 92	50	\$228 15	63	\$287 06	161	\$813 13

For the Committee on Reading Room,

J. EVARTS GREENE,

*Chairman.*

WORCESTER FREE LIBRARY,  
Dec. 19, 1879,

## LIST OF NEWSPAPERS AND PERIODICALS SUBSCRIBED FOR.

Academy, The.	G. L. F.	Engineer, The.	G. L. F.
Albany Weekly Journal.		†Engineering.	G. L. F.
†All the Year Round.		Engineering and Mining Jour- nal, The.	
Allgemeine Zeitung.		L'Événement.	
*American Art Review.		Evening Post, The.	
American Agriculturist.		Evening Standard, The.	
American Architect and Build- ing News.		Examiner, The.	G. L. F.
American Journal of Numis- matics.	G. L. F.	Fortnightly Review, The.	G. L. F.
*American Catholic Quarterly Review.	G. L. F.	Fraser's Magazine.	
American Journal of Science and Arts, The.	G. L. F.	Fresenius Zeitschrift für Analy- tische Chemie.	C. F.
American Naturalist, The.	G. L. F.	Garde Meuble, Le.	G. L. F.
†Appletons' Journal.		Gardener's Monthly, The.	
Architektonisches Skizzenbuch.	C. F.	Gentleman's Magazine, The.	
Army and Navy Journal.	G. L. F.	*Good Company.	
L'Art.	G. L. F.	Good Words.	
Art Journal, The.		Graphic, The.	
Athenæum, The.	G. L. F.	Harper's Bazar.	
Atlantic Monthly, The. 2 copies.		Harper's New Monthly Maga- zine. 2 copies.	
Baltimore American and Com- mercial Advertiser.		Harper's Weekly.	
†Bell's Life in London.		Harvard Advocate, The.	
Berliner Montags Zeitung.	G. L. F.	Harvard Lampoon, The.	
Bibliotheca Sacra.	G. L. F.	†Home Journal, The.	G. L. F.
Blackwood's Edinburgh Mag- azine.	G. L. F.	Ibis, The.	
Bookseller, The.	C. F.	Illustrated London News, The.	
Boston Daily Advertiser.		Independent, The.	
Boston Evening Transcript.		Independent Statesman, The.	
Boston Evening Journal.		International Review, The.	
Boston Globe.		Iron.	
Boston Journal of Chemistry.	G. L. F.	Iron Age, The.	
Boston Post.		Iron Trade Circular.	
British Quarterly Review, The.	G. L. F.	Journal de Menuiserie.	C. F.
Brunonian, The.	G. L. F.	Journal of the Anthropological Institute of Great Britain and Ireland, The.	G. L. F.
Builder, The.		Journal Manuel de Peinture.	C. F.
Bulletin of the Nuttall Ornith- ological Club.	G. L. F.	Journal of Philology.	C. F.
Carriage Monthly, The.		Journal of the Franklin Insti- tute, The.	G. L. F.
Catholic World, The.	C. F.	Journal of Science, The.	
Chambers's Journal.		Journal of the Society of Arts, The.	G. L. F.
Chemical News, The.	G. L. F.	Journal of Speculative Philoso- phy, The.	G. L. F.
Chicago Legal News.	G. L. F.	Journal, The Kennebec.	
*Cincinnati Commercial, The.		†Librarian, The.	C. F.
Cincinnati Semi-Weekly Gazette.		Library Journal.	C. F.
Commercial Bulletin, The.		Lippincott's Magazine.	
Commonwealth, The.		Literary World, The.	G. L. F.
Comptes Rendus.	G. L. F.	Littell's Living Age.	
Connecticut Courant, The.		Liverpool Weekly Mercury, The.	
Contemporary Review, The.	G. L. F.	London, Edinburgh and Dublin Philosophical Magazine, The.	G. L. F.
Cornhill Magazine, The.		London Quarterly Review.	G. L. F.
Crimson, The.		Lowell Weekly Journal.	
Daily Graphic, The.		Macmillan's Magazine.	
Daily Evening Traveller.		Magazine of American History, The.	C. F.
Dingler's Polytechnische Journal.	C. F.		
Dwight's Journal of Music.			
Edinburgh Review, The.	G. L. F.		

Mail, The.		Putnam's Library Companion.	C. F.
Maine State Press, The.		Quarterly Journal of Inebriety,	
Manufacturer and Builder, The.		The.	C. F.
†Massachusetts Ploughman.		Royal Geographical Society	
Mining and Scientific Press.		Proceedings.	G. L. F.
Mining Journal, The.		Revue des Deux Mondes.	
*Missouri Republican, The.		Ruskin's Fors Clavigera.	G. L. F.
Montreal Herald, The.		St. Louis Globe—Democrat.	
Musical Times, The.		St. Nicholas.	
Nation, The.		Sanitarian, The.	
Nature.	G. L. F.	Saturday Review, The.	G. L. F.
†New England Farmer, The.		*Science News.	
New Eng. Historical and Gene-		Scientific American.	
ological Register.	G. L. F.	"    Supplement.	
New Eng. Jour. of Education.		Scribner's Monthly.	
New Englander, The.	C. F.	Southern Historical Society	
New York Daily Tribune.		Papers.	G. L. F.
New York Herald.		Spectator, The.	G. L. F.
New York Times.		Spirit of the Times.	
News and Courier, The.		Springfield Daily Republican.	
Nineteenth Century, The.		2 copies.	
North American, The.		*Student's Journal, The.	
North American Review, The.		Sunday Review, The.	C. F.
Notes and Queries.	G. L. F.	Telegraphic Journal and Elec-	
†Once a Week.		trical Review, The.	
*Oriental Church Mag., The.	G. L. F.	Traveller's Official Guide.	
Pall Mall Budget.	G. L. F.	United Service Gazette.	
Pennsylvania Magazine of His-		United States Official Postal	
tory and Biography, The.	G. L. F.	Guide.	
Philadelphia Photographer, The.		University Magazine.	G. L. F.
Phrenological Journal, The.		Van Nostrand's Eclectic Engi-	
*Pilot, The.		neering Magazine.	
Popular Science Monthly, The.		Weekly Alta California.	
†Popular Science Monthly, The.		Weekly Freeman and Irish Ag-	
Supplement.		riculturist.	
Popular Science Review, The.		Weekly Post and Tribune.	
*Polybiblion.	C. F.	Weekly Scotsman, The.	
Portfolio, The.	C. F.	Westminster Review, The.	G. L. F.
†Potter's American Monthly.		Woonsocket Patriot.	
*Princeton Review, The.	G. L. F.	Worcester Daily Spy. 2 copies.	
Providence Journal, The.		Worcester Evening Gazette. 2	
Psyche.	G. L. F.	copies.	
Public Opinion.		Workshop, The.	
Publisher's Weekly, The.		World, The.	
Punch.		Yale Courant.	

\* Began to take this year. † Discontinued. ‡ Discontinued as subscriptions and taken as gifts.

## GIFTS TO THE READING-ROOM.

Academy, The.

American Gas Light Journal, The.

American Journal of Education.

American Machinist.

American Manufacturer and Iron World.

Berrow's Worcester Journal.

Bien Public, Le.

Book Buyer, The.

Boston Investigator, The.

Bulletin of the National Association of  
Wool Manufacturers.

Christian Leader, The.

Christian Register, The.

Churchman, The.

Congressional Record.

Cultivator and Country Gentleman, The.

Donahoe's Magazine.

Engineering. (London.)

Fitchburg Weekly Sentinel.

Freidenker.

High School Reporter.

Index, The.

Inventors' and Manufacturers' Gazette.

Kindergarten Messenger and The New Ed-  
ucation.

Librarian, The.

Maine Farmer.

Massachusetts Ploughman.

Metric Bulletin, The.

Monthly Record of Scientific Literature.

National Quarterly Review, The.

National View, The.

New England Farmer.

New York Commercial Advertiser.

Official Gazette of the U. S. Patent Office.

Our Dumb Animals.

Paine Family Records.

Public Ledger.

Sherman & Hyde's Musical Review.

Southern Workman, The.

Sunday Herald, The.

Travailleur, Le.

The Tufts Collegian.

Unitarian Review and Religious Magazine,  
The.

Universalist Quarterly, The.

Vox Humana, The.

Watchman, The.

Woman's Journal, The.

Worcester Daily Spy.

Worcester Daily Times.

Worcester Evening Gazette.

Worcester Evening Star.

Worcester Student, The.

World's Crisis, The.

Zion's Herald.

Logomathenian Society of Worcester  
Academy.

G. Warren Dresser, *Editor*.

J. B. Merwin, *Editor*.

Publishers.

Jackson Bailey, *Corresponding Editor*.

Charles H. Birbeck, *Proprietor*.

Editors.

Publishers.

Publishers and Members of the Anthro-  
pological Society, Worcester.

Association.

Universalist Publishing House.

American Unitarian Association.

E. L. Davis.

W. W. Rice.

Proprietors of the Spy.

Thomas J. Conaty.

Publishers.

Sentinel Printing Company.

Publishers.

S. S. Green.

Sarah F. Earle.

Publishers.

Hailmann & Doerflinger, *Publishers*.

L. P. Smith, *Librarian*.

Proprietors of the Spy.

Proprietors of the Spy.

S. S. Green.

D. Van Nostrand.

David A. Gorton & Co., *Publishers*.

View Publishing Company.

Proprietors of the Spy.

Proprietors of the Spy.

United States Patent Office.

Publishers.

Nathaniel Paine.

George W. Childs, *Proprietor*.

Publishers.

Mrs. P. S. L. Canfield.

Anonymous.

Publishers.

Tufts College.

American Unitarian Association.

S. D. Harding.

George Woods & Co., *Publishers*.

Publishers.

Sarah F. Earle.

Publishers.

Publishers.

Publishers.

J. M. Newcomb.

Publishers.

Unknown.

# REPORT

## OF THE

### Committee on the Building.

---

*To the Directors of the Free Public Library :*

During the current year, minor repairs have been made upon the building, and the grounds have been somewhat improved.

The stucco work in the Green Library room has been repaired at an expense of \$72; the steam pipes have been covered, costing \$34.40; a catalogue case has been furnished, costing \$24.75; hose pipe and nozzles have been furnished, costing \$75; signaling apparatus connected with the elevator has been put in, costing \$17.25; drainage pipe has been laid to carry off the water from the roof and from the grounds about the building, costing \$69.80. It has cost to heat the building, \$250.10; to light it, \$928.83; water bills amount to \$68.35. A little less coal may be needed for another year, but about fifty dollars more will be required for gas, in consequence of the added burners in the parts of the building recently fitted up for use. The water bill will probably be increased by about twenty dollars, as the elevator has not been in use all the present year. The ordinary small repairs, small furniture, &c., have cost \$170.41. Some shelving for books of large size will be needed another year, at an estimated expense of \$40. Ordinary repairs, small furniture, &c, usually require about \$200 a year.

The working of the elevator has never been satisfactory to this Committee, nor to the Committee on Public Buildings appointed by the City Government, under whose direction it was put in; nor has it been accepted and paid for, so far as is known to this Committee. The building and grounds are now in good condition, and only ordinary repairs will be needed, perhaps, for some years to come.

For the Committee,

E. WARNER,

*Chairman.*

WORCESTER, December 19, 1879.



# REPORT

## OF THE

### COMMITTEE ON FINANCE.

---

*To the Directors of the Free Public Library :*

The Committee on Finance submit herewith the financial statements of the Free Public Library, and of the Green Library fund, for the year ending November 30th, 1879.

The expenditure for general library purposes has slightly exceeded that of the previous year. The principal increase has been in the amount paid for the purchase of books—about six hundred dollars—and in the cost of certain repairs and appliances for better immunity against fire, improved drainage, &c.—nearly three hundred dollars. The working expenses of the library have been considerably lowered by the reduction of salaries, and other measures of retrenchment. No change of importance has been made in the investments of the Green Library fund.

W. CROSS,  
J. EVARTS GREENE,  
P. C. BACON,

*Finance Com. Free Public Library.*

WORCESTER, December 19, 1879.

# CITY APPROPRIATION.

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FINANCIAL STATEMENT for the year ending Nov. 30, 1879.

## RESOURCES.

City appropriation, . . . . .	\$8,000 00
Dog money, . . . . .	2,810 98
Fines and miscellaneous receipts at library, . . . . .	507 12
	<hr/>
	\$11,318 10

## EXPENDITURES.

Books, . . . . .	\$2,173 70
Binding, . . . . .	856 62
Printing lists of additions, . . . . .	138 71
Other printing and charging slips, . . . . .	127 49
Freight, postage, expressage, &c., . . . . .	235 30
Stationery, . . . . .	40 78
Postal cards, . . . . .	45 00
Cards for cataloguing, . . . . .	23 10
Ordinary repairs, furniture, &c., . . . . .	170 41
Coal and wood, . . . . .	250 10
Gas, . . . . .	928 83
Water, . . . . .	68 35
Salary of librarian, . . . . .	2,041 66
Salaries of assistants, . . . . .	2,741 12
Wages of janitor and messenger, . . . . .	416 67

Additional library service, . . . . .	731 87
Insurance, . . . . .	25 00
Hose, &c., \$75 ; catalogue case, \$24.75 ; signalling apparatus, \$17.25 ; stucco, \$72 ; drain, \$69.80 ; covering steam pipes, \$34.40, . . . . .	293 20
	<hr/>
	\$11,307 91
Balance to sinking fund, . . . . .	10 19
	<hr/>
	\$11,318 10

W. CROSS,  
J. EVARTS GREENE,  
P. C. BACON,

*Finance Committee.*

# STATEMENT

## OF THE

# GREEN LIBRARY FUND.

---

The income for the year ending November 30, 1879, is as follows:

Interest on notes secured by mortgage,	\$1,627 86	
Dividend on bank stocks, . . . .	366 00	
Interest on deposits in savings banks,	26 67	
Bank tax of 1878, refunded by Commissioners, . . . .	128 42	
Interest on national bank deposits, .	9 13	
	<hr/>	\$2,158 08

One-fourth part of the income, \$539.52, has been added to the fund. The remaining three-fourths, \$1,618.56, are subject to be expended in accordance with the will of Dr. Green.

### STATEMENT OF THE FUND.

	Nov. 30th, 1878.	Nov. 30th, 1879.
Notes secured by mortgage,	\$26,048 50	\$26,001 00
Bank stocks (par value). . . .	9,300 00	9,300 00
Deposits in savings banks, . . .	2,147 64	2,734 66
	<hr/>	<hr/>
	\$37,496 14	\$38,035 66

## STATEMENT OF BOOK ACCOUNT.

Balance in city treasury, Dec. 1, 1878,	\$1,869 51	
Three-fourths of income for year ending		
Nov. 30, 1879, . . . . .	1,618 56	
Interest on deposits for year ending		
Nov. 30, 1879, . . . . .	31 26	
	<hr/>	\$3,519 33
Expended for books, . . . . .		1,689 67
		<hr/>
Balance in City Treasury, Nov. 30, 1879, . . . . .		\$1,829 66

W. CROSS,

J. EVARTS GREENE,

P. C. BACON,

*Finance Committee Free Public Library.*

# REPORT

## OF THE

# TREASURER OF THE READING ROOM FUND.

---

NATHANIEL PAINE, Treasurer, in account with the READING ROOM FUND OF THE FREE PUBLIC LIBRARY.

1878.	<i>Dr.</i>	
Dec. 20. Balance by last Report,		\$488 61
1879.		

Dec. 17. Cash, interest on City Bonds,	\$300 00	
Cash, interest on United States Bonds,	21 75	
Cash, interest on Mortgage Notes,	303 33	
Cash, interest from Savings Bank,	7 81	
		632 89
		\$1,121 50

1879.	<i>Cr.</i>	
Dec. 17. By subscriptions to Newspapers and Periodicals,	\$562 55	
Postage, etc.,	2 73	
Premium on U. S. Bonds,	10 26	
		\$575 54

1879.		
Dec. 17. By Balance,	545 96	
		\$1,121 50

The READING ROOM FUND is invested in

City of Worcester Bond,	\$5,000 00	
United States Bonds,	350 00	
Mortgage Notes,	5,300 00	
		\$10,650 00

Respectfully submitted,

NATHANIEL PAINE, *Treasurer.*

WORCESTER, Dec. 17, 1879.

I have examined the vouchers and securities in the hands of the Treasurer, and find his accounts and statements correct.

J. EVARTS GREENE,

*For Finance Committee.*



# REPORT

## OF THE

### Sealer of Weights and Measures.

---

*To the Honorable Mayor and City Council of Worcester :*

GENTLEMEN :—Your Sealer of Weights and Measures respectfully submits the following abstract report for the year ending January 1st, 1880.

The act relative to sealing weights and measures, Chap. 218, A. D., 1870, and all other acts upon the same subject, have been strictly complied with in this department during the past year.

On visiting the different sections of the city where goods are bought and sold, your inspector has found the scales and weights, as a general rule, in good condition. Where any irregularity has been found, the parties have been notified, and directed to put the same in order.

A majority of the scales, both counter and platform, now in use in this city, are the Fairbanks and the Howe, the former of St. Johnsbury, Vt., and the latter of the Brandon Scale Company. There are others of various manufacturers scattered throughout the city. As a general rule, I find that a cheap or poor scale is more advantageous to the purchaser than to the seller. The friction to be overcome in weighing small quantities will almost invariably give the purchaser the advantage. This, coupled with the down weight, which some buyers (unjustly) demand, instead of an even balance (where all scales are

.

adjusted), is decidedly against those who sell. Some there are who suppose that the name, scales, embraces all that is requisite for perfection; whereas nothing is further from the truth. The poorer people often procure a cheap scale. This class are the ones who can least afford the loss in selling from them. There is a very cheap and poor article thrown upon the market (on which the owner's name does not appear), which costs the purchaser, including the weights, about one dollar. They are unreliable for accuracy; neither can they be made to meet the required standard, and as such I have refused to seal them. The pivots are common cast iron, the weights are just as they left the furnace, and, in one instance, I found what purported to be a one pound weight, tipping the beam at seventeen ounces, and this in use by a lady to sell confectionery, who could ill afford the loss. Your inspector has been explicit upon this topic, in order to impress upon buyers the fact that the first cost of a *good* scale, in the long run, is money well invested.

There are within the city limits some twelve large railroad track scales, and between forty and fifty, hay, coal and large platform scales, inclusive of those owned by the city. All of these, together with the large number of truck, small truck, platform and counter scales have been examined once, and some of them twice, during the past year, and a record made of the same. To these may be added large and small steel-yards, spring balances, together with measures, both liquid and dry, that have been tested at my office.

I have required the measures, both liquid and dry, to be brought to the office for adjustment, as the inconvenience of transporting the standards for sealing would thus be overcome, besides giving greater accuracy to the work done.

An inventory of property in the Sealer's possession, belonging to the city at this date, is as follows, viz.:

1 cabinet, or cupboard case.

1 avoirdupois balance of 50 lbs.

1 set of avoirdupois weights, 16 divisions, viz.:

Drachms—1, 2 dr.

Ounces—1-4, 1-2, 1, 2, 4, 8 oz.

Pounds—1, 2, 4, 5, 10, 20, 25, 50 lbs.

1 set liquid measures of 6 divisions, viz.:

Gill, 1-2 pint, pint, quart, 1-2 gallon, gallon.  
1 set dry measures of 5 divisions, viz.:

Quart, 2 quart, 1-2 peck, peck, 1- bushel.

1 yard measure.

40 fifty pound weights (1 ton).

1 breast or press drill, with two drills.

1 hammer, 1 cold chisel.

1 set figures, 1 set stamps or seals.

1 crane for dry measure, 1 scoop, 3-4 bushel seed.

1 case for seed measuring, 2 glass stricks.

1 set tin liquid measures.

1 steel graduated metric measure.

1 kilogram weight.

On the 16th of October last, the State Sealer of Weights and Measures (H. A. Davis, of Boston), made an official visit to this city, for the purpose of examining the weights and measures (State standards), and found everything correct except the deficiency of one 20 lb. weight (this weight has never been in my possession). A weight has since been procured from Boston, which makes the set complete.

In closing my report, permit me to express my thanks to each and all who have favored me with information of irregularities, and while some have been ruffled a trifle upon having their scales stamped C. D. (condemned), it has without fear or favor been done, not only in strict compliance with my oath of office, but for their own benefit.

All of which is respectfully submitted.

R. R. SHEPARD,

*Sealer of Weights and Measures of Worcester.*

JANUARY 1st, 1880.

# REPORT

## OF THE

# MILK INSPECTOR.

---

*To the Honorable Mayor and City Council of the City of Worcester :*

GENTLEMEN :—Your Inspector would respectfully submit the following abstract report, for the year ending January 1st, 1880, more for general information than as being required by statute.

The law requires that every inspector of milk shall keep an office and books for the registration of all names and places of business of persons engaged in the sale of milk within their limits. This law has been fully complied with in this department, together with the publication of the general laws relating thereto, before entering upon the duties of the office.

Notwithstanding this, some have been slow to learn that before engaging in the sale of milk, the law requires them to register their names and places of business in a book at the milk inspector's office ; also, to place their names on all carriages from which milk is sold, and their cans or measures sealed and duly recorded by the Sealer of Weights and Measures. A penalty or fine is attached to a non-compliance with this law. It has been judicially determined that no bills can be collected for goods or merchandise sold from scales or measures unsealed.

Persons having weights and measures sealed become responsible for their correctness afterwards, yet some measures have been found with the seal attached, that have been altered, designedly or otherwise, by raising the bottom by means of

dents or bruises made by using them as stopple starters. Such can or measures I have seized and confiscated.

There have been about one hundred and twenty-five samples of milk presented for inspection during the year. Most of these were from parties who purchase to sell again. A majority of these samples, so far as I could judge, were good. No prosecutions have been instituted, or samples of milk analyzed during the past year. During the last nine years that I have held the office, I have never, excepting once, received complaints of the milk purchased of those who make and sell from their own homestead.

I am confident that there is as little adulterated milk sold in this city as in any other place of the same number of inhabitants. Yet, with the utmost vigilance, some may have lived in too close proximity to the pump; but this quality is more to be expected where it passes through the hands of middlemen, than from producers. This is not necessarily the case, but it gives an opportunity to shirk responsibility.

In 1878, there were about seventy wagons from which milk was sold at the close of the year. At the present time, I have the names of one hundred and nine persons who sell from carriages. At an estimate of eight cans, or sixty-four quarts each, this would give 6,976 quarts of milk consumed daily. I think that 7,000 quarts, or 1,750 gallons, of daily sales would be a low estimate, as some of the teams drive over a portion of the route twice each day.

There are more than thirty stores where milk is retailed in Worcester. The extremes in price are four and ten cents per quart. The average price throughout the year is not far from five cents per quart. Every can or measure which has been sealed during the year has been registered, with the owner's name, as required by law.

All of which is respectfully submitted.

R. R. SHEPARD,

*Milk Inspector of Worcester.*

WORCESTER, January 1st, 1880.

# REPORT

## OF THE

# BOARD OF HEALTH.

---

WORCESTER, MASS., Jan. 15, 1880.

*Gentlemen of the City Government :*

The Board of Health most respectfully present their annual report.

We believe it is now an idea, adopted by general consent of the people of most large cities and towns, that there must be some intelligent and authoritative oversight of the public health. That attention should be given in some way to the prevention, abatement, or removal of unsanitary conditions. That knowledge of the laws of health should be more generally diffused among the people, and definite instructions given them how to avoid danger ; or, when danger is present, how best to deal with it and master it. Cities decimated by fatal epidemics are just beginning to turn their attention to these matters, so vital to their very existence, and to cry out " what shall we do." So little has sanitary science occupied the attention, and so little is it understood, that we have done nothing for fear we should do the wrong thing, preferring " to bear those ills we have, than fly to others that we know not of." Consequently the establishment of Boards of Health has become a vital necessity, and no longer a convenience or a sinecure. They have become a working force, and have been endowed by legislative acts with powers almost unlimited, and with a range of action broad and



comprehensive enough to embrace every individual case, and every contingency. And this is well, arbitrary though it may seem to some, for it must be evident, upon the least reflection, that in times of peril, when the very existence of a community, as it were, depends upon prompt and energetic action, nothing must stay or hinder the perfect working of the plans adopted, or the means devised for carrying them out. This responsibility has also been wisely placed upon the local boards. They, alone, can know the whole necessities of the case, the habits and temper of the inhabitants, the type and extent of the prevalent diseases, and the sanitary condition of the districts within the limit of their observation. They also, by the experience which their daily work gives them, can know, and are supposed to know, the best means to be adopted, and the ease or rigor with which these means are to be enforced.

The action of the State Board of Health is, and should be, mainly advisory. They can best receive and tabulate statistics, look after the workings of the local boards, and grapple with questions too large, or too complicated for them to undertake.

The real sanitary conditions of a community, however, must be in the hands of men who make part of that community; whose interests are common with all the rest, and whose acts and official standing can be seen and known of all. If they are sustained, encouraged and trusted, they can be an immense power for good; if they are opposed, criticised, and looked upon with distrust and suspicion, their acts must of course be weak, vacillating and inefficient. A city or a town has its own well being in its own hands. It can be clean, healthy and prosperous, or filthy, diseased and unthrifty, just as it chooses. Its own action alone can determine the result. But when the trial comes—and come it may to all—when fatal disease sweeps through its borders, then how does the case stand? A glance at the fatal ravages of yellow fever in our southern cities will answer this question with fearful emphasis. New Orleans, the historical port of entry for this terrible scourge, was once clean and free from its attacks,—thanks to the energy, decision and practical good sense of a New England

commander ;—and, free from prejudice, had this lesson been well studied and appreciated, this beautiful city would probably have remained clean and exempt to this day.

The present Board of Health in our city was organized on the 25th of March, 1879. It has therefore been in existence but nine months. In so short a time it is evident that it could only be engaged in what I may call surface work ; the examination and abatement of those numerous causes of disease and uncleanness which everywhere are to be found, patent to the eye, offensive to the smell, and annoying to limited neighborhoods. The hidden, deeper, and more dangerous causes of an unsanitary condition, are yet to be explored and attacked. To show you that we have not been idle, we give you a summary of the work that has, up to this time, been done. The whole number of complaints which have been received at the office is four hundred and eighty-four, viz: Filthy cellars, thirty-three ; swine, fifty-two ; foul cess-pools, seventy-two ; horse barns, twenty-three ; filthy yards, twenty-eight ; foul privies, two hundred and nine ; burning leather, one ; hen coops, seven ; meat market, one ; sewer gas in houses, twenty-nine ; garbage on the sides of streets, eight ; ponds of stagnant water, fourteen ; cow barns, two ; slaughter houses, one ; dead animals buried, four. Every one of these complaints has received one visit from the Board, most of them two, and many of them more than two. The amount of work ordered by the Board, and executed under their supervision, is as follows : Cement drain pipe laid, seventeen hundred and ninety five feet ; connections of sewer-pipes, sink-drains and water-closets, to the main drains, twenty-nine ; eaves water from buildings, two ; ponds of stagnant water filled up, five. The whole expense of this work, amounting to one thousand, seven hundred and sixty-nine dollars and seventy cents, has been paid by the owners of the property benefitted.

The expenses of the Board have been as follows : Printing, five dollars ; stationery, five dollars and sixty-one cents ; salary of Mr. F. C. Bigelow, eighty-three dollars and thirty-three cents. The chairman has been paid nothing for his services, nor for office rent, nor for the use of his horse and carriage, during the year.

## DISEASES.

Up to within a few weeks of the present time, the Board congratulate your honorable body, and our citizens generally, that no epidemic, or any unusual amount of sickness, has visited our borders. In many instances the outbreak of dangerous diseases has been at once traced to sewer gas, foul premises, filthy habits, or unhealthy wells; the cause at once abated, and the sickness stopped. We could mention them in detail, but the limits of this report would not warrant it. And here, we would state, that our thanks, and the thanks of the community are due to our excellent corps of physicians, who have promptly called our attention to these foci of disease, and materially assisted us in the abatement of these unsanitary conditions. A nuisance of a dangerous character which contaminated the source of the drinking water of one of our large public institutions, was thus discovered and effectually stopped. The health of five hundred sick and afflicted people, in our very midst, would have received serious detriment from this case alone, unless, fortunately, our attention had been called to it.

Within the last few weeks your Board regret to report that the small-pox—that loathsome, unmanageable and dreaded disease—has broken out in our city. The most active steps were at once taken to arrest its progress, and to protect the citizens in the vicinity of infected districts from its spread. These measures have been, in a good degree, successful, but up to the time of this present writing have not succeeded in eradicating the disease. The culpable neglect by one or two of our physicians to report cases under their care, gave an opportunity for wide-spread infection before its presence was known to us. The singular apathy shown by that class of our citizens, who before they emigrated here, had been familiar with its presence, to take the least precaution to avoid it, and the neglect, and even unwillingness shown by them to have their children vaccinated, have operated with great force against our measures of protection. Spite of all these discouragements, however, we have succeeded in reducing the number of cases to three or four at a time, and in keeping the disease within a small limit of space.

This has been done by immediate personal inspection of every case reported, the placing of a warning flag upon every house, and the complete quarantine of the premises, enforced by the presence of a competent officer, specially detailed for the purpose. Careful sanitary inspection, by experienced medical men, has also been instituted, who, by personal visits from house to house, by compulsory vaccination of all those not protected, and by thorough examination of the sanitary condition of every dwelling, materially assist us in our efforts to combat the spread of the disease. The death-rate, in comparison to the number of cases reported, has been alarmingly large. This is due mainly to the fact that after the cases were reported, no competent medical care was given to the sick. The services of the family physician were in most cases dispensed with, or he voluntarily abandoned the case. This evil we have tried in all cases to remedy, by instructing all concerned, that the action of the Board in establishing quarantine and thorough inspection, in no way was to affect the relation of the attending physician to his care.

It must be evident to any one, upon a moment's reflection, that the medical officer of your Board could not have the general care and supervision of the infected districts, and at the same time give his personal medical attention to all the sick, and provide for the wants of all those, sick or well, who were shut in by the quarantine.

Again, many of the cases that proved fatal, were not seen by any physician, or reported to the Board until the eighth or ninth day of the disease. They had already gone on to a fatal stage before their presence was known. To these causes must be added the notoriously poor nursing and care which is so common among these people, and the general state of alarm and panic which pervaded the district.

The whole number of cases from December 10, 1879, to the present time, January 22, 1880, a period of seven weeks, has been seventeen, of which seven have died, and ten have recovered. There are at present but four cases—one in the city and three at the city farm hospital.

The disease was introduced from Canada, in the person of an



unvaccinated infant. This case proved fatal, and was buried with public funeral ceremonies. The children in the same house contracted the disease from it, and then, more than two weeks after it was actually here, was it first reported to this Board.

Among the causes of disease, during the period covered by this report, sewer gas has been the most active and the most obvious. Strange as it may seem, in an intelligent community like ours, the Board find on all sides families living in houses constructed without a single trap to sink, water-closet or drain, to prevent the free entrance of this poison into their midst. The amount of disease thus generated cannot be easily ascertained, but from the effect of this cause upon individual families, and certain districts, we have no doubt it has been quite large, and of a character malignant and fatal.

In view of these facts, the Board would most earnestly suggest that an ordinance be passed by your honorable body requiring that all drains, sink-spouts or water-closets that enter the public sewers, be thoroughly and effectually trapped. The main sewer of the city, from Front street south, is open and uncovered. During the day time, when considerable amount of water is sent through it, its offensiveness is not perceived, except one takes occasion to examine it critically, but after the hours of labor are over, and the water is shut off from above, it gives out an effluvia which is foul, pungent, loaded with dangerous gases and putrefactive germs, which are highly detrimental to health. Sooner or later the question of putting it all under the arch must come up, for along its borders factories are rapidly springing up, in which are carried on those industries which are the pride and life of our city. It is therefore to be hoped that this question will soon be brought before the proper authorities, in such a form, that effectual action can be taken to stop this source of offense and disease. Your Board recommend its early consideration.

During the past summer numerous complaints have been presented to us touching the condition of Lincoln Brook, which serves as a channel for the sewage of the western part of the city. The Board have examined it again and again, but have

not been able to determine what shall be done with it. It is small, shallow, and entirely inadequate to carry off the amount of water which has been forced into it. Its current is sluggish, its fall very slight, and a vast amount of matter, of bad odor and dangerous to health, will necessarily accumulate there. Then, when heavy rains swell its current, this matter is carried by the overflow of the water on to the flats in the vicinity of the Western Avenue, and left on the surface of the ground, by the subsidence of the water, to ferment and putrify under the heat of the sun. We would therefore recommend that an early conference be held between the Committee on Sewers and this Board to determine how this nuisance shall be abated. We desire, also, to call the attention of the Committee on Sewers to the condition of the houses on the upper end of Oread street. These houses are drained into cess-pools, but owing to the retentive nature of the ground, the sewage does not leach away into the soil, but accumulates and runs over on to the surface. The City Engineer, by the request of the Board of Health, has recently made a careful survey of this locality. He reports that if the sewer in Oread street was carried higher up the hill, all this district could be drained into the Beacon street sewer. We invite your early attention to this matter, for its present condition is dangerous to health.

The condition of that part of Pond street which borders the basin of the old Fox mill pond, has frequently occupied the attention of your Board. This place has been used for several years as a public dump, and waste material of every sort has been deposited there. These accumulations have encroached upon the street; they are unsightly and unsanitary, and the demands of the people in the vicinity that they should be removed, in the opinion of this Board ought to be heeded. If they were leveled down they would serve their legitimate purpose as filling material and greatly improve the sanitary condition of the neighborhood. If once put in good condition, there would be no difficulty in keeping this locality clean and healthy. The attention of the Committee on Streets is respectfully asked to this subject.



The number of deaths which have occurred in the city for 1879 was 983, while for 1878 it was 1,001; for 1877, 1,131; and for 1876, 1,125. These figures are very flattering, as they show that the death-rate has steadily decreased within the last three years and now stands the lowest, or among the lowest of the cities of New England of about the same population. But once before since 1850 has it fallen below two per cent. This was in 1855. The per cent. this year is about 1 9-10 per cent. of the whole population.

All which is respectfully submitted.

THOMAS HARRINGTON, *Chairman.*

FRANCIS C. BIGELOW.

RUFUS WOODWARD, *Clerk.*

# REPORT

## OF THE

### Commissioner of Highways.

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WORCESTER, December 22, 1879.

*To the Honorable City Council:*

I have the honor to submit the following report of the condition and doings of the Highway Department for the year ending November 30th, 1879, which includes receipts and disbursements, and a schedule of all property in charge of the Department.

At the request of the Commissioner, the late Mr. David F. Parker, who was in delicate health, I assumed charge of the Department, May 8th, 1879. The death of Mr. Parker occurred September 20th, 1879, and I received from the Committee on Highways the appointment of acting Highway Commissioner, October 21st, 1879, from which date I have served in that capacity.

The condition of the highways, streets and bridges is as favorable as usual at this season of the year. Parts of Main street have been greatly improved by re-paving, and I would recommend a continued appropriation for this purpose. Following is a statement of the cost of re-paving portions of Main street:

#### BLOCK PAVING.

The orders for paving a portion of Main street, from Central street to School street, also from Front street to Park street,

have been executed, and the cost of the material and labor appears in the following account:

MAIN STREET, FROM CENTRAL to SCHOOL STREETS.

3,949 square yards blocks,	\$5,579 09
20 " " " relaid,	4 00
123.7 " " cobble, "	24 74
Labor, carting, blocks, gravel, &c.,	1,834 76
Engineering,	2 78
	<hr/>
	\$7,445 37

Cost per square yard, \$1.88 1-2.

MAIN STREET, FROM FRONT STREET TO PARK STREET.

1,943.4 square yards blocks,	\$2,817 93
Labor, grading, carting, gravel, blocks, sand, &c.,	623 75
Engineering,	4 18
	<hr/>
	\$3,445 86

Cost per square yard, \$1.77 1-2.

Total cost for block paving,	\$10,891 23
Appropriation for block paving,	\$10,000 00
Excess of expenditure,	891 23
	<hr/>
	\$10,891 23

SIDEWALKS.

The following amount of work has been done at the expense of the city:

Amount of new curb set,	3,895.7 lineal feet.
Amount of curb reset,	1,074.5 " "
Amount of circle curb reset,	49.5 " "
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Total number of feet set,	5,019.7
Amount of gutter paving, new,	1,743.9 square yards.
Amount of gutter paving, relaid,	885.2 " "
Amount of crosswalk paving, new,	613.2 " "
Amount of crosswalk paving, relaid,	95 " "
Amount of cobble paving, new,	245.2 " "
Amount of cobble paving, relaid,	790.8 " "
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Total amount of paving laid,	4,373.3
Amount of flagstone, new,	2,030.1 lineal feet.
" " relaid,	6,151.3 " "
	<hr/>
Total amount of flagstone laid,	8,181.4
Amount of block paving, new,	5,892.4 square yards.
" " " relaid,	415 " "
	<hr/>
Total amount of block paving laid,	6,307.4

Amount of brick paving, new,	133.3 square yards.
“ “ “ relaid,	97.8 “ “
Total amount of brick paving laid,	231.1
Number of corners, new,	23
“ “ reset,	3
Total number of corners set,	26

The location, and cost of the above work, are as follows, to wit:

## AUSTIN STREET SIDEWALK.

*North Side, from Merrick Street to South Russell Street.*

314 lineal feet curbstone, new,	\$157 00
15 “ “ “ reset,	1 50
139.6 square yards gutter paving, new,	69 80
3.6 “ “ “ “ relaid,	72
1 long corner,	3 50
Carting, sand, gravel, &c.,	26 50
Grading,	76 85
Engineering,	5 87
	<hr/>
	\$341 74

## FRUIT STREET SIDEWALK.

*West Side, from the Estate of Wm. E. Warren to the north side of Cedar Street.*

146.5 lineal feet curbstone, new,	\$73 25
84.6 “ “ flagstone, new,	42 30
56 “ “ “ relaid,	5 60
66.1 square yards gutter paving, new,	33 05
40.3 “ “ crosswalk paving, new,	20 15
33.3 “ “ cobble paving, relaid,	6 66
1 long corner,	3 50
Grading, carting, sand and gravel,	39 89
	<hr/>
	\$224 40

## FRUIT STREET SIDEWALK.

*East side, from the end of the present walk, north of Cedar Street to a point 70 feet north of William Street.*

396.7 lineal feet curbstone, new,	\$198 35
4.8 “ “ “ reset,	48
172.2 “ “ flagstone, new,	86 10
87.4 square yards crosswalk paving, new,	43 70
161 “ “ gutter paving, new,	80 50
7 “ “ “ “ relaid,	1 40
Grading, carting, stone, sand and gravel,	102 96
Engineering,	4 81
	<hr/>
	\$518 30

## HAMMOND STREET SIDEWALK.

*South west side, from Main Street to the easterly line of W.**G. Strong estate.*

482 lineal feet curbstone, new, . . . . .	\$241 00	
223.3 square yards gutter paving, new, . . . . .	111 65	
51.5 " " " relaid, . . . . .	10 10	
3.5 " " brick paving, relaid, . . . . .	35	
1 long corner, . . . . .	3 50	
Labor, grading, carting, stone, sand and gravel, . . . . .	260 85	
Engineering, . . . . .	4 82	
	<hr/>	\$632 27

## MAIN STREET SIDEWALK.

*At New Worcester.*

492.5 lineal feet curbstone, new, . . . . .	\$246 25	
258.3 square yards gutter paving, new, . . . . .	129 15	
67.9 " " cobble paving, relaid, . . . . .	13 58	
4 short corners, . . . . .	12 00	
Grading, carting, sand and gravel, . . . . .	95 55	
Engineering, . . . . .	1 19	
	<hr/>	\$497 72

## MAY STREET SIDEWALK.

*North side, from Woodland street to the westerly line of the land of John B. Goodell.*

124.4 lineal feet curbstone, new, . . . . .	\$62 20	
64.4 " " flagstone, new, . . . . .	32 20	
49.8 square yards gutter paving, new, . . . . .	24 90	
37.1 " " crosswalk paving, new, . . . . .	18 55	
12.4 " " brick paving, relaid, . . . . .	2 48	
1 long corner, . . . . .	3 50	
Labor, grading, carting, sand and gravel, . . . . .	72 50	
Labor on stone by A. G. Mann, . . . . .	23 90	
" by J. B. Goodell, . . . . .	19 00	
Engineering, . . . . .	1 17	
	<hr/>	\$260 40

## ORANGE STREET SIDEWALK.

*East side, from Plymouth Street to Madison Street.*

389 lineal feet curbstone, new, . . . . .	\$194 70	
100 " " " reset, . . . . .	10 00	
497 " " flagstone, relaid, . . . . .	49 70	
132.3 square yards gutter paving, new, . . . . .	66 15	
33.3 " " " " relaid, . . . . .	6 66	
1 long corner, new, . . . . .	3 50	
1 " " reset, . . . . .	60	
Grading, carting, sand and gravel, . . . . .	78 10	
Engineering, . . . . .	2 56	
	<hr/>	\$411 97

## PRESCOTT STREET SIDEWALK.

*West side, from the north line of the church property to the south line of Washburn and Moen estate.*

213 lineal feet curbstone, new,	\$106 50
94.7 square yards gutter paving, new,	47 35
Labor, grading, &c.,	62 95
Labor by J. C. French, on steps,	14 66
Engineering,	3 50
	<hr/>

\$234 96

## QUINCY STREET SIDEWALK.

*East side, from Austin street to the north line of the estate of J. D. Moore.*

181.2 lineal feet curbstone, new,	\$90 60
7.7 " " " reset,	77
48.6 " " flagstone, relaid,	4 86
86.6 square yards gutter paving, new,	43 30
47.7 " " crosswalk paving, relaid,	9 54
5 " " brick paving, relaid,	50
1 long corner, reset,	60
Grading, carting, sand and gravel,	67 45
Engineering,	2 43
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\$220 05

## MAIN STREET—ON COURT HILL.

615.5 lineal feet curbing, new,	\$400 07
5.6 " " " reset,	56
62.1 " " flagstone, new,	31 05
45.9 square yards cobble paving, new,	22 95
53.3 " " " " relaid,	10 66
266.6 " " gutter paving, new,	133 30
91.4 " " " relaid,	18 28
641 2-12 feet iron fence,	480 75
Labor setting capstone,	16 50
4 long corners,	14 00
Grading, carting, stone, sand and gravel,	198 50
Engineering,	3 63
	<hr/>

\$1,330 25

## MAIN STREET—RESETTING CURBSTONE AND REPAVING WALKS.

381 lineal feet curbstone, new,	\$190 50
621.5 " " " reset,	62 15
8.4 " " circle curb, reset,	84
133.3 square yards brick paving, new,	13 33
574 " " " relaid,	57 40
28.4 " " cobble paving, relaid,	68
6,400 bricks,	76 80
32 loads sands,	44 80
3 long corners,	10 50
2 short corners,	6 00
Labor, grading, carting, gravel, &c.,	88 23
	<hr/>

\$556 23



## MAIN STREET—RELAYING FLAGSTONE.

4,323.8 lineal feet flagstone, relaid, . . . . .	\$432 38
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## MAIN STREET—CROSSWALKS.

936.6 lineal feet flagstone, new, . . . . .	\$468 30
57 " " " relaid, . . . . .	5 70
21 square yards cobble paving, new, . . . . .	10 50
175.6 " " " " relaid, . . . . .	35 12
Grading, carting, sand and gravel, . . . . .	19 17
	<hr/>
	\$538 79

## MAIN STREET—CROSSWALK AT GARDNER STREET.

30.7 lineal feet curbstone, new, . . . . .	\$15 35
79 " " flagstone, new, . . . . .	39 50
12.4 square yards gutter paving, new, . . . . .	6 20
55.3 " " crosswalk paving, new, . . . . .	27 65
1 long corner, . . . . .	3 50
Grading, sand, gravel, &c., . . . . .	25 50
	<hr/>
	\$117 70

## SUMMER STREET—AT MECHANIC STREET.

19.5 lineal feet curbstone, reset, . . . . .	\$ 1 95
130 " " flagstone, new, . . . . .	65 00
39.5 " " circle curbstone, reset, . . . . .	7 90
102 square yards cobble paving, relaid, . . . . .	20 40
9.2 " " brick paving, relaid, . . . . .	92
10.2 " " gutter paving, new, . . . . .	5 10
1 long corner, reset, . . . . .	60
Grading, carting, sand and gravel, . . . . .	27 50
	<hr/>
	\$129 37

## ELM STREET—AT SEVER STREET.

46 lineal feet curbstone, new, . . . . .	\$23 00
128 " " flagstone, relaid, . . . . .	12 80
85.3 square yards crosswalk paving, . . . . .	42 65
2.2 " " gutter, new, . . . . .	1 10
3 long corners, . . . . .	10 50
Grading, . . . . .	23 75
	<hr/>
	\$113 80

## ELM STREET—AT CEDAR STREET.

43 2 square yards crosswalk, new, . . . . .	\$21 60
91.5 lineal feet flagstone, new, . . . . .	45 75
Grading, . . . . .	14 35
	<hr/>
	\$81 70

## LINCOLN SQUARE.

119.3 square yards cobble paving, new, . . . . .	\$59 65
205.5 " " " " relaid, . . . . .	41 10
67.8 " " gutter paving, relaid, . . . . .	13 56
268.5 lineal feet flagstone, new, . . . . .	134 25
264 " " " " relaid, . . . . .	26 40
Grading, carting, gravel, &c., . . . . .	88 00
	<hr/>
	\$362 96

## BELMONT STREET—AT ORCHARD STREET.

9 square yards gutter paving, new,	. . . . .	\$ 4 50
142.6 " " " relaid,	. . . . .	28 52
61.9 " " crosswalk paving, new,	. . . . .	30 95
78 lineal feet flagstone, relaid,	. . . . .	7 80
26.7 " " curbstone, new,	. . . . .	13 35
Grading, &c.,	. . . . .	26 25

\$111 37

## SOUTHBRIDGE STREET.

28 lineal feet curbstone, new,	. . . . .	\$14 00
70.4 " " flagstone, relaid,	. . . . .	7 04
40.6 square yards crosswalk, new,	. . . . .	23 30
5.1 " " gutter paving, new,	. . . . .	2 55
1 long corner,	. . . . .	3 50
Grading,	. . . . .	31 50

\$81 89

## CHESTNUT STREET—AT ELM STREET.

44.3 square yards crosswalk, relaid,	. . . . .	\$ 8 86
29.2 lineal feet flagstone, relaid,	. . . . .	2 92
Labor, grading,	. . . . .	7 00

\$18 78

## MECHANIC STREET.

284 lineal feet flagstone, relaid,	. . . . .	\$28 40
Grading,	. . . . .	7 90

\$36 30

## SHREWSBURY STREET.

44.8 square yards crosswalk, new,	. . . . .	\$22 40
63.6 lineal feet flagstone, relaid,	. . . . .	6 36
71.2 square yards gutter paving, relaid,	. . . . .	14 24
Grading, &c.,	. . . . .	14 35

\$57 35

## TREMONT STREET—AT FRONT STREET.

30 lineal feet flagstone, new,	. . . . .	\$15 00
15 " " " relaid,	. . . . .	1 50
12 " " curbstone, reset,	. . . . .	1 20
2 square yards brick paving, relaid,	. . . . .	20
1 long corner, reset,	. . . . .	60

\$18 50

## AUSTIN STREET—AT CROWN STREET.

32 square yards cobble paving, new,	. . . . .	\$16 00
66 lineal feet flagstone, new,	. . . . .	33 00
Grading, &c.,	. . . . .	10 15

\$59 15

## THOMAS STREET—AT RAILROAD CROSSING.

88 square yards cobble paving, relaid, . . . . .	\$17 60	
3 " " crosswalk paving, relaid, . . . . .	60	
127.7 lineal feet flagstone, relaid, . . . . .	12 77	
Grading, . . . . .	8 00	
	<hr/>	\$38 97

## SCHOOL STREET—OPPOSITE LOMBARD'S SHOP.

27 lineal feet flagstone, new, . . . . .	\$13 50	
38.7 square yards crosswalk, new, . . . . .	19 35	
Grading, . . . . .	5 57	
	<hr/>	\$38 42

## SCHOOL STREET—OPPOSITE ENGINE HOUSE.

27 square yards cobble paving, new, . . . . .	\$13 50	
18.2 lineal feet flagstone, new, . . . . .	9 10	
Grading, . . . . .	5 58	
	<hr/>	\$28 18

## VERNON STREET.

109 lineal feet curbstone, reset, . . . . .	\$10 90	
48.9 square yards gutter paving, relaid, . . . . .	9 78	
6.7 " " " " new, . . . . .	3 35	
71.9 " " brick paving, relaid, . . . . .	7 19	
Grading, &c., . . . . .	9 00	
	<hr/>	\$40 22

## CROWN STREET.

171 lineal feet curbstone, reset, . . . . .	\$17 10	
57 square yards gutter paving, relaid, . . . . .	11 40	
9.8 " " brick paving, relaid, . . . . .	98	
	<hr/>	\$29 48

## HANOVER STREET—AT LAUREL STREET.

42.6 square yards gutter paving, relaid, . . . . .	\$ 8 52	
33.3 " " crosswalk paving, new, . . . . .	16 65	
72 lineal feet flagstone, relaid, . . . . .	7 20	
Grading, . . . . .	10 85	
	<hr/>	\$43 22

## GROVE STREET—AT NORTH STREET.

45.3 square yards crosswalk paving, new, . . . . .	\$22 65	
93 lineal feet flagstone, relaid, . . . . .	9 30	
28.5 " " curbstone, new, . . . . .	14 25	
Grading, . . . . .	31 50	
	<hr/>	\$77 70

## HAMILTON STREET.

286 square yards gutter paving, new, . . . . .	\$143 00	
Grading, carting, stone, gravel, &c. . . . .	97 60	
	<hr/>	\$240 60

## GARDEN STREET.

57.1 square yards gutter paving, relaid, . . . . .	\$12 00	
Grading, &c., . . . . .	5 00	
	<hr/>	\$17 00

## WINTER STREET.

34.4 square yards gutter paving, relaid, . . . . .	\$6 88	
Grading, . . . . .	4 00	
	<hr/>	\$10 88

## GREEN STREET.

104.4 square yards gutter paving, relaid, . . . . .	\$20 88	
Grading, . . . . .	3 75	
	<hr/>	\$24 63

## WASHINGTON SQUARE.

72.4 square yards gutter paving, relaid, . . . . .	\$14 48	
Grading, . . . . .	3 00	
	<hr/>	\$17 48
Labor on sundry streets, patching, . . . . .	\$247 81	
Engineering, . . . . .	76 54	
Damages for injury to persons and property, . . . . .	1,382 69	
	<hr/>	\$1,707 04
Total to the expense of the city, . . . . .		\$9,702 15

Appropriation for sidewalks, . . . . .	\$10,000 00	
Balance unexpended, . . . . .	297 85	
	<hr/>	\$9,702 15

## SIDEWALKS AND DRIVEWAYS FOR PRIVATE PARTIES.

There have been laid 32 brick sidewalks and driveways for private parties, amounting to, . . . . .	\$2,068 85
Bills of which have been returned to the Auditor for collection.	

## MAINTENANCE.

The ordinary expenses of the Department are charged to the following streets and accounts, to wit:

Austin	Street,	\$60 50	Green	"	\$132 00
Ararat	"	14 30	Greenwood,	"	231 00
Apricot	"	57 50	Granite	"	73 00
Adams	"	44 50	Grafton	"	203 80
Arch	"	27 00	Green	Lane,	7 80
Boylston	"	93 00	Grove	Street,	434 00
Bloomington	"	568 97	Grand	"	1,007 80
Brooks	"	57 00	Hamilton	"	22 50
Belmont	"	487 00	Hawthorn	"	18 00
Blithewood	"	31 00	Home	"	9 00
Blackstone	"	74 50	Harrington	"	60 50
Bowdoin	"	8 00	Heywood	"	82 00
Burncoat	"	316 00	Highland	"	58 50
Brattle	"	62 90	Holden	"	203 55
Bailey	"	29 50	Hadwen	Lane,	15 50
Columbia	"	28 75	Harrington	Court,	48 00
Cambridge	"	94 50	James	Street,	65 95
Canterbury	"	28 00	Jefferson	"	13 30
Crescent	"	5 25	King	"	22 35
Chatham	"	3 25	Lincoln	Square,	20 50
College	"	29 50	Larch	Street,	31 00
Cedar	"	61 00	Laurel	"	14 50
Church	"	30 50	Loudon	"	12 00
Central	"	42 50	Lake	"	79 00
Chester	"	58 50	Lincoln	"	732 50
Clinton	Lane,	29 00	Leicester	"	406 55
Chandler	Street,	274 25	Lovell	"	53 00
Chestnut	"	79 35	Lebanon	"	21 00
Coral	"	41 00	Linden	"	26 10
Cypress	"	13 50	Ludlow	"	29 50
Coburn	Avenue,	31 00	Malden	"	15 50
Dix	Street,	8 00	Millbrook	"	30 10
East Central	"	87 50	Manchester	"	15 00
East Worcester	"	25 00	Mason	"	15 50
Eastern	Avenue,	28 00	Mechanic	"	34 50
Edward	Street,	12 00	Mower	"	32 50
Exchange	"	19 00	Millbury	Avenue,	119 50
Elm	"	77 87	Mountain	Street,	125 50
Fowler	"	60 50	Millbury	"	new, 430 75
Flagg	"	29 50	Millbury	"	old, 157 50
Front	"	87 75	Mooreland	"	65 50
Foster	"	23 50	Mill	"	3,535 06
Forest	"	16 25	Main	"	1,347 97
Franklin	"	34 75	May	"	141 40
Gold	"	28 00	North Ashland	"	21 00

Newton	Street,	\$196 25	Sargent	Street,	\$1 50
North	"	4 75	Salisbury	"	141 00
Nelson	Court,	43 00	Salem	Square,	10 25
Old Boylston Road,		10 00	Shrewsbury	Street,	726 00
Orchard	Street,	25 50	Spring	"	6 75
Olean	"	137 83	Sever	"	28 00
Portland	"	5 10	Salem	"	12 90
Pleasant	"	286 55	Summer	"	113 15
Paxton	"	192 00	School	"	15 00
Plantation	"	120 50	Trumbull	"	83 85
Prescott	"	254 35	Temple	"	13 60
Penn	Avenue,	82 50	Union	"	288 90
Park	Street,	102 75	Vine	"	10 50
Park	Avenue,	128 25	Vernon	"	313 55
Pratt	Street,	54 25	West	"	47 00
Patterson	"	5 95	Washington Square,		26 50
Putnam	Road,	9 00	Winter	Street,	8 75
State	"	7 50	Washington	"	22 00
Stafford	"	57 50	Water	"	110 50
Seigel	"	71 95	Wall	"	8 05
Sudbury	"	35 00	Ward	"	18 75
Sundry	"	78 59	Webster	"	14 00
Southbridge	"	361 75			
Suffolk	"	46 00			
					<hr/> \$17,877 94

Repairs on bridges,		\$764 76
" at city stables,		58 30
Street cleaning,		3,326 95
Snow and ice,		2,379 05
Incidental labor,		311 00
		<hr/>
		\$6,840 06
		<hr/>
Total maintenance,		\$24,718 00

## EXPENDITURES.

Salary of Commissioner, D. F. Parker,	\$1,318 83
" " W. H. Heywood,	311 10
Labor as per Pay Roll,	26,216 08
" " Hired teams,	1,420 16
" " Breaking roads,	32 93
" " Contract work,	2,127 48
" Sundry persons,	272 11
Lumber,	2,116 74
Hay and grain,	2,520 09
4,240 3-12 feet curbstone,	1,506 04
1,503 feet flagstone,	661 42
153,000 bricks, including freight,	1,453 50
180 1-4 tons cobbles,	127 42
Paving,	3,280 15
Paving blocks	7,738 63
Tools and repairs,	1,507 96



Shoeing, . . . . .	\$433 92
Stone and gravel, . . . . .	1,190 10
Corners, . . . . .	127 00
Live stock, . . . . .	1,103 71
Engineering, . . . . .	918 32
Advertising, writing, printing, etc., . . . . .	247 76
Powder and fuse, . . . . .	9 70
Drain pipe and cement, . . . . .	782 25
Horse blankets and flannel, . . . . .	12 15
Horse medicines and attendance, . . . . .	58 10
Fuel and lights at stables, . . . . .	55 28
Oil, matches, soap, grease, at stables, . . . . .	34 54
Water, at stables, . . . . .	28 00
Travelling expenses, postage, etc., . . . . .	53 59
Maintaining water trough on Millbury street for one year, . . . . .	14 48
“ “ “ Southbridge “ “ “ . . . . .	20 00
Iron bridge, fence, rails, posts, etc., . . . . .	3,953 87
Coal, . . . . .	43 65
County Commissioners, order of notice for widening bridge over Southbridge, . . . . .	50 32
Legal expenses in Dorman case, . . . . .	408 95
Damages allowed J. B. O'Leary for injury to property, . . . . .	33 74
Damages allowed Sabra Whiting for injury to person, . . . . .	15 00
Damages allowed Honora Smith, for injury to person, . . . . .	400 00
Damages allowed Peter Barnard, for injury to person, . . . . .	325 00
Damages allowed Bridget Connors for injury to person, . . . . .	200 00
Total expenditures, . . . . .	<u>\$63,130 07</u>

## RECEIPTS AND EARNINGS.

## APPROPRIATIONS.

Highways, . . . . .	\$25,000 00
Sidewalks, . . . . .	10,000 00
Block paving, . . . . .	10,000 00
	<u>\$45,000 00</u>

## EARNINGS.

## SIDEWALKS — PRIVATE EXPENSE.

Thirty-two brick walks and driveways, . . . . .	\$2,068 85
For labor and material furnished City Hall, . . . . .	\$57 80
School department, . . . . .	165 15
Water department, . . . . .	265 70
Sewer department, . . . . .	5 50
Public Grounds, . . . . .	10 75
Public Library, . . . . .	7 35
Sundry persons, . . . . .	2,449 07
	<u>\$2,961 32</u>

## STREET CONSTRUCTION.

Foster street, . . . . .	\$12,266 06	
Hollywood street, . . . . .	199 70	
Kingsbury street, . . . . .	99 62	
Quinsigamond Avenue, . . . . .	1,761 05	
Queen street, . . . . .	153 54	
Tremont street, . . . . .	302 30	
Millbury Street, . . . . .	217 25	
Waldo street, . . . . .	18 76	
Sundry streets, . . . . .	167 82	
	<hr/>	\$15,186 10
Total receipts, . . . . .		<hr/> \$65,216 27

## RECAPITULATION.

## SUMMARY OF EXPENSES.

Block paving, . . . . .	\$10,891 23	
Sidewalks, city expense, . . . . .	9,702 15	
Sidewalk assessment, . . . . .	2,068 85	
Street construction, . . . . .	15,186 10	
Labor and material furnished, . . . . .	2,961 32	
Maintenance, . . . . .	24,718 00	
	<hr/>	\$65,527 65

## SUMMARY OF RECEIPTS.

Appropriations, . . . . .	\$45,000 00	
Sidewalks assessed, . . . . .	2,068 85	
Street construction, . . . . .	15,186 10	
Labor and material, . . . . .	2,961 32	
	<hr/>	\$65,216 27

## REVENUE.

## COLLECTIONS, 1879.

Sidewalk Assessment, . . . . .	\$2,459 44	
Street construction, . . . . .	15,186 10	
Labor and material, . . . . .	3,522 61	
	<hr/>	\$21,168 15

There are bills rendered which are uncollected Dec. 1, 1879;

Sidewalk assessments, . . . . .	\$621 25	
Sundry bills, . . . . .	296 28	
	<hr/>	

Schedule of real and personal property in charge of Highway  
Department Nov. 29, 1879.

Real Estate,	\$34,131 50
Personal property, live stock, 20 horses,	2,847 00
Hay, grain, etc.,	876 00
Rolling stock, tools, etc.,	2,067 00
Lumber,	395 50
Stone and bricks,	1,667 38
<hr/>	
Total of personal property,	\$7,852 88
Total of real estate,	34,131 50
<hr/>	
Amount in department,	\$41,984 38

Respectfully submitted.

WILLIAM H. HEYWOOD,

*Commissioner of Highways.*

# Report of Chief Engineer

## OF THE

# FIRE DEPARTMENT.

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CHIEF ENGINEER'S OFFICE, }  
WORCESTER, FEBRUARY 1, 1879. }

*To the Honorable the Mayor and City Council :*

GENTLEMEN :—The Chief Engineer has the honor of submitting the Seventh Annual Report of the condition and operations of the Fire Department of this city for the year ending December 31st, 1879. Fully appreciating the confidence imposed in him as chief executive officer of the Board of Engineers, and with pleasure acknowledging the promptness with which every assistance has been rendered by your honorable body in maintaining the department in its present excellent condition of efficiency and reliability, I have presented for the consideration of your honorable body all items of interest connected with the workings of the department for the past year, with a list of the officers and members, and the salaries paid them, the number and location of fire alarm stations, an inventory of the city property in charge of the department, and such other information as may be of interest to you and the citizens of Worcester, and have endeavored to faithfully present the actual wants of the department, to add to the comfort of the men, and secure the additional facilities necessary to protect the property of our citizens from the flames.

## MANUAL FORCE AND DISCIPLINE.

The manual force of the Department consists of a Chief Engineer and four (4) Assistants, forty-two (42) members of Steamer Companies, including drivers, thirty (30) members of Hook and Ladder Companies, including drivers, fifty-eight (58) hosemen of Hose Companies, and four (4) members of Extinguisher Company, including driver; making a total of one hundred and thirty-three (133). In addition to the regular force of the Department, there is a volunteer Hose Company located at Grant Square, and another at Coes Square, that respond to all alarms in their localities, for which the citizens should be grateful, for it reduces the fire risks in those localities very materially.

The Department has responded with promptness to all the calls which have been made upon it the past year, and proved itself capable of coping with all the fires that have occurred during that time. The Fire Department is sometimes lost sight of and undervalued, when for weeks, and perhaps months, there are no fires or alarms, and tax-payers, in some instances, demur at the expense of maintaining the force; but a single visit of the destroying element satisfies every intelligent citizen that our only security lies in having a Department large enough to meet any emergency that may arise.

The City Government appreciates the necessity of keeping the Department up to its present standard, believing that it is required for the public safety, and we expect it to do everything that may be reasonably asked for by the Board of Engineers to keep it in good working order so that it will respond promptly to the calls of the alarm bell.

The duties of the Department have not been very arduous during the past year, but this has not caused it to be less vigilant, as when least expected a fire may occur which will require the best energies of the whole force to conquer. Any manifestation of interest by our citizens in the welfare and prosperity of the firemen, tends to encourage them in their efforts to still further raise the standard of the organization. The officers and members of the different companies are always pleased to

receive calls from citizens, and take an honest pride in showing them their halls and apparatus, and frequent visits of that description will find the firemen always ready to receive their friends as well as to attend to fire duty when needed.

There is a manifest propriety in citizens taking an interest in the Fire Department, as they furnish the means for its support, and without it they could not retire at night feeling secure against the loss of their homes, their storehouses and manufactories, by fire; and there are many other good and sufficient reasons why citizens should encourage the firemen, to whom the post of duty is the post of danger. The long list of names of firemen who have lost their lives, or been disabled while in the performance of their duty in the United States within the last ten years, is ample evidence that our firemen do not shrink from positions of danger in their efforts to save the lives and property of their fellow-citizens.

The discipline of the Department has continued to improve, and good order exists in the management of fires and at the houses; and it is safe to say that the manner of handling and extinguishing fires by the present system, will bear comparison with, and is infinitely superior to, former methods, when the hand engines and bucket companies were in vogue.

The same care has been exercised during the past year, in regard to the admission of new members, to see that they are fully qualified to fill a position of so much responsibility as that of membership in a well disciplined Fire Department. The permanent well-being of the Department renders it necessary that the officers and members should not be affected by the political changes in the City Government, and I again earnestly suggest the propriety of altering the Fire Department ordinance so that members shall hold their positions subject only to such changes and promotions as may be deemed necessary by the Chief Engineer and his Assistants, and no removals made except for good and sufficient reasons.

In my opinion, the addition of more permanent men would be highly beneficial to the best interests of the Department, and I would especially recommend that an Engineer for Steamer No. 1 should be made permanent, as it is of vital importance that



the Engineer should, in all cases, go with his Steamer when she leaves the house when on duty. In some instances the driver waits for the Engineer, and his being added to the permanent force will effect a remedy.

An inspection of the Fire Department took place on the 24th of October, by the Board of Engineers, accompanied by the Mayor and other members of the City Government, with a number of insurance men and other invited guests. The result was highly satisfactory, as the appearance of the men, apparatus and houses gave evidence of a state of efficiency certainly not excelled by any Fire Department in the state or country. The promptness with which the companies called, responded on this occasion, furnished a sufficient guarantee that a fire has but little chance of gaining much headway in this city under ordinary circumstances, as not quite three minutes was required to bring the more distant companies to the spot. The appearance of the men, houses and apparatus, received the highest commendations from the members of the City Government and invited guests, and all seemed to feel that the thriving city of Worcester had a Fire Department of which its citizens might well be proud, and the method of calling the different companies by telephone, without causing a general alarm, met with much approval.

#### FIRES AND INSURANCE.

The Fire Insurance Companies naturally take a lively interest in the Fire Department, as there is, in a certain sense, a bond of union between them, and the cause and prevention of fires has often been a subject of consideration, by both organizations, in which all property holders also have an interest. During the past few years, the temptation has existed to a very great extent, for embarrassed property owners to set fire to their buildings, hoping to realize enough to relieve them from their financial difficulties in the shortest possible time. Real estate having largely depreciated in value, and the amount of insurance remaining the same, has given men an inducement to be dishonest. The insurance companies have not given this matter the attention which it deserves, and I would again remind

them of the existence of this evil, that they may remove, as far as possible, one of the primary causes of fires. It is many years since our city has been visited by an extensive conflagration, and the Board of Engineers wish to see adopted every measure that will prevent a recurrence of such a disaster. Our citizens cannot exercise too much care in the prevention of fires, by substituting iron instead of wooden vessels in which to deposit their ashes, and in every other way guard against fire on their premises. Many fires are caused by spontaneous combustion, persons being careless in the matter of leaving oily rags and waste. The Fire Department, although ready to respond to any and all demands in the line of their calling, feel it to be their duty to urge upon our citizens to use every precaution to prevent fires by accident or carelessness, as the property of others is endangered as well as their own.

Our factories and workshops afford evidence of a steady improvement in business, and a return to the former prosperity with which our city was favored before the panic of 1873. A disastrous fire would be a serious drawback to the business interests of this city, and all citizens should avert, in every way in their power, the occurrence of a real calamity, especially at this time, when many who have not had steady employment for several years, are now engaged all the time. It would be a real hardship for the manufacturer, as well as those whom he employs, to have a destructive conflagration occur when all are recovering from the effects of the hard times.

#### APPARATUS.

The apparatus of the Department consists of five steamers, three of which were built by the Silsby Manufacturing Company of Seneca Falls, New York; one by the Amoskeag Company of Manchester, New Hampshire, and one by B. S. Nichols, of Burlington, Vermont. There are also in service twelve four-wheeled hose carriages, carrying eight thousand feet of hose; two hook and ladder trucks; and there is also one in reserve, and one Babcock Extinguisher. A new hose carriage was built for Steamer 4, last year, and Steamers No. 2, and four were

repaired, so that they have worked to much better satisfaction than before, so that now all the steamers are in good condition.

The importance of having each steam engine in charge of an experienced engineer, who shall devote his whole time to its care, is a matter that deserves your special attention. By securing the services of engineers as permanent men, who are good mechanics, the city will save very much in repairs, as they would know how to keep their engines in good working order, with the least possible expense, having ample time to see that everything is in its place, as the least disarrangement might lead to a serious accident, and thus throw the engine out of service when it could not well be spared.

In our opinion the apparatus of the Department should be in the hands of intelligent and skilful men, who will not misuse it, and will keep it in order, so that it will not fail when most needed. The number of full paid men now on the force, although they are faithful and energetic, can only do the work which is now allotted to them ; and although it would add somewhat to the expenses of the Department, the addition of a number of permanent men would very much strengthen the organization, increase its efficiency, and enable the companies to make even quicker time at the commencement of fires, when the services of the firemen are all important.

The Board of Engineers take pride in the promptness of the different companies, and accord due credit to those first on the ground ; but, at the same time, reckless driving does not merit nor receive our approbation, as the cool and careful driver is usually as likely to come in ahead.

The City Government has shown that it feels an interest in the welfare of the Department, by responding with promptness to the recommendations of the Chief Engineer ; and it is a source of pleasure and gratification to be able to say that, the condition of the apparatus is better than it ever has been since the Department was first organized. The Board will continue to exercise due vigilance by seeing that repairs are made at the right time ; that every portion of the apparatus may be ready for service at a moment's warning, in a safe and reliable condition ; and the excellent care taken of the apparatus, at the dif-

ferent houses, has a tendency to keep it so, and is worthy of high commendation.

During the past year, Hose 2 has been altered from a hand to a horse carriage, which is a decided improvement, and I would recommend that the remaining hand hose carriages be changed to horse as soon as it is practicable. I would also recommend the purchase of a light truck, with two large tanks, or several small extinguishers attached, to be drawn by horse, and used in place of one of the hand hose carriages. With these alterations, and ordinary repairs which are always necessary, the apparatus of the Department will be reliable and ready for service. Economy will be practised as heretofore, and all repairs will be done at the engine houses, by members of the Department, which can be attended to there.

#### THE WORCESTER PROTECTIVE DEPARTMENT.

The work accomplished by the Fire Patrol during the past year, has met with the approval of the Board of Engineers. This company answers all alarms, and always reports in good time at all fires, and in many instances has been the means of saving much property that would otherwise have been damaged by fire, water or smoke. Although mainly supported by the Insurance companies, the members of the Patrol do not stop to ascertain whether the property in danger is insured or not, but proceed to spread their water-proof covers, or remove and protect the goods, using their own judgment, which has generally proved to be correct.

Since its existence, the Fire Patrol has been the means of saving from damage a large amount of property that could not have been removed without loss and injury, which, previous to its organization, would have fared differently. Their presence acts as a check upon thieving at fires, and it is now very rare that losses in that manner occur, as they keep objectionable persons out of the buildings and off the grounds. The Patrol has rendered valuable aid to the Fire Department, and although it receives its principal support from insurance companies, it serves the public as well as any company belonging to the reg-



ular Department. They take charge of the property and hold it until it is delivered into the hands of its owners, thus relieving the Engineers and other officers of the Department from any care in that direction, giving them an opportunity to devote their undivided attention to the fire. In many cases, the Patrol act as a detective force, discovering the origin of a fire, whether it occurred by accident or design, and they undoubtedly save more for the insurance companies than the expense of maintaining the organization, and fill an important position acting in conjunction with the Fire Department. The record of the company has been excellent during its existence, and has been fully appreciated by the Board of Engineers, who have extended to them the encouragement which they well deserved.

#### HOSE OF THE DEPARTMENT.

One of the most essential things connected with the Fire Department, that the firemen may be enabled to successfully combat the fiery element is, that each company shall have a sufficient quantity of good, reliable hose, and I have found in all cases that the best is the cheapest; and I therefore recommend that 2,000 feet of first quality hose be purchased during the coming year.

A fire department may be fully equipped in every other respect; but, if the hose be unreliable, it seriously impairs the efficiency of the organization, and nothing is so discouraging to the firemen who have made every effort to reach a fire in its earliest stages, to be delayed by and obliged to replace a length of bursted hose, during which time the fire has had an opportunity to gain strength, and perhaps get beyond the control in the building where it originated. If the hose is not reliable, a fire may not readily be checked, and although not at fault, the firemen are liable to censure for allowing the fire to gain so much headway. With good hose, and the apparatus in perfect repair, ample protection is guaranteed to the property of our citizens.

#### HORSES.

The number of horses in the Department is sixteen: three are attached to Steamer No. 1, three to Steamer No. 2, two to

Hook and Ladder No. 1, two are used by the Fire Patrol, and one each by Steamer No. 3, Hose Nos. 2, 6 and 7, and the Babcock Extinguisher, and one for the use of the Superintendent of the Fire Alarm Telegraph.

During the past year one horse has been purchased for Hose No. 2, which was this year changed from a hand to a horse carriage, and the horse used by Hook and Ladder No. 1, sold, and a younger one substituted. The horses of Steamer No. 1 are getting old, and I would recommend that younger ones be purchased as soon as it is practicable.

It is of the highest importance that this branch of the service should be kept up to the standard, so that there may be no cause for delay in this direction. Great care should be used in the selection of horses for the use of the Department, that they may be sound and kind in the harness, as the special duty required does not afford time to break a faulty horse. The Engineers will give careful attention to this branch of the service, and doubtless your honorable body will sanction the outlay that may be necessary to keep it up to the present standard.

#### WATER AND HYDRANTS.

This all important and indispensable branch of the service has received careful and constant attention from the Water Board and the efficient and worthy Superintendent of the Water Works, Mr. Frank E. Hall, during the past year. The supply has been ample for fire purposes to meet the contingencies that have occurred. There are certain districts not sufficiently protected, and additions should be made as fast as the steady growth of the city requires, and in my opinion we cannot have too many hydrants, especially in the centre of the city. The additional water facilities thus furnished make a real saving to the city in the use of hose, and the additional protection to property will be approved, therefore, by those who favor economy. I have heretofore spoken of the great waste of water by our citizens, and some measures should be adopted by which those who abuse their privilege should be made to pay for their neglect or carelessness.



The Fire Department, during the past year, has fortunately succeeded in keeping fires within narrow limits, but other cities have not fared as well; and it may be our turn next, and our present facilities for extinguishing fires be put to a severe test. To meet such an emergency, let there be no lack of hydrants, and we believe that our city will be saved from a serious conflagration. I would, therefore, recommend more hydrants, and that the water pipes be extended to Quinsigamond and Northville, so that better protection may be afforded to the tax payers of those localities.

No Fire Department, however efficient, can render good service without a supply of water where it can be made available.

#### CHEMICAL ENGINE.

We have heretofore spoken in the highest terms of the service rendered by the Chemical Engine, and it affords us pleasure to say that it has given entire satisfaction during the year which has just closed. Although its location is not the most favorable, still it has responded with promptness to all alarms, and rendered valuable service at fires, having in several instances extinguished them, thus avoiding the necessity of flooding the building with water. It is not our intention to depreciate the value of our Steamers, Hose Companies and Hook and Ladder Companies, as their services could not be dispensed with; but the true policy is to extinguish the fire with the least possible loss. Before the introduction of the Chemical Engine, in many cases more damage was done at small fires, by water, than by flames. On such occasions the services of the Chemical Engine are indispensable, and it has many recommendations in its favor, one of which is, it can be worked by a small force. We, therefore, remain of the opinion that no Fire Department is complete without one or more Chemical Engines.

I am now placing one or more small extinguishers on each of the Hose Carriages, as I think they can be worked to advantage in telephone alarms, when only the services of Hose Carriages are called, when they can, in many cases, extinguish small fires without giving a general alarm.

## LADDERS AND FIRE ESCAPES.

There is a greater tendency to build stores, workshops and factories five or six stories high, as the land in the central portion of our growing city becomes more and more valuable, which increases the amount of work to be done by the Hook and Ladder Companies, and adds to the many dangers they are called to encounter in the performance of their duty.

The members of this branch of the service, together with the hosemen, are especially liable to loss of life, or injury from falling walls. They may at any time be called upon to rescue persons, who are unable to escape without assistance, from the upper stories of high buildings, and should be furnished with the best means of reaching the desired height with the least possible danger to themselves.

Several of our manufacturers have attached fire escapes to their buildings, for which they are entitled to commendation, but still there are many localities where they are very much needed, and the owners should be compelled to maintain fire escapes, as they have no right to thus endanger the lives of their operatives, when much of the danger could be removed at an expense comparatively trifling. Because Worcester has for years escaped having a disastrous fire, while Boston, Baltimore and other cities have not been so fortunate, still such a fire may occur here, when we shall find ourselves deficient in the number of long, serviceable ladders, and shall regret, when too late, that the emergency had not been provided against.

In another part of this report I have recommended the purchase of a light Hook and Ladder Carriage, with extinguisher attached, and I would also call your attention to the propriety of strengthening this important branch of the service, by the addition of one or more extension ladders.

## HOUSES.

The houses of the Department, with a single exception, are in better condition than ever before, and will require but a moderate outlay to keep them in good repair. A new house

has been built during the past year, for Hose Company No. 2, which gives good satisfaction. The members of this company have fitted up their hall in a tasty manner, and members of this, as well as other companies in the Department, take a commendable pride in showing visitors over their houses.

The Board of Engineers have encouraged and fostered this spirit of improvement manifested by the men, as the more attractive the houses are made, the higher the standard of the Department is likely to become. The companies have mainly done this out of their own funds, although they may have received some contributions from their friends. As the permanent men have to spend all their time at the houses, they cannot, at best, secure all the comforts of ordinary homes, but can be made as home-like as possible, and they should not be expected to do this out of their own earnings, but should receive due consideration from your honorable body.

I would recommend that the house of Hose Company No. 5 be altered to accommodate a horse to draw the carriage; and I would especially call your attention to the house of Steamer Company No. 1, on Front street, which should be remodeled so that the men may have better sleeping accommodations; also, that the stalls be altered so as to front the apparatus, and the horses have a straight run, and swinging harnesses provided. This house is centrally located, and the companies have more fire duty to do than the others, except the Chemical Engine and Protective Company, and therefore should have every facility afforded them possible.

#### FIRE ALARM TELEGRAPH.

This indispensable aid to the Fire Department has worked exceedingly well during the past year. Its superiority over the old system is acknowledged by all, as there is not the least difficulty in ascertaining the exact locality of the fire, and only the companies located within a reasonable distance are called at the first alarm; and, if additional apparatus is needed, and the fire proves to be a serious one, a general alarm calls out the whole Department, which, owing to the vigilance of the force,

rarely occurs. The many improvements which have been made in the Fire Alarm Telegraph, and the introduction of the Telephone, place the Fire Department in direct connection with the Chief Engineer, so that he can communicate with each company, and call as they may be needed, and in some instances without giving an alarm. By the use of the Telephone, in many cases questions may be answered from headquarters which require prompt attention, and much time and travel is thus saved. Too much care cannot be taken to ring in an alarm from the nearest box to the fire, as it is of the utmost importance that the firemen should not be sent in the wrong direction.

That the Fire Alarm Telegraph may at all times, and under all circumstances, be perfectly reliable, is rendered secure by the valuable services of Assistant Engineer William Brophy, the Superintendent. His position is a responsible one, as he is liable to be called upon at all hours of the day or night, when by accident a wire is broken, as it must be repaired without delay, so that all the wires may be in working order in case of fire. The performance of this duty is attended with danger, as he is obliged to climb to the tops of houses, thus endangering life and limb. A delay of a few moments, caused by the wires failing to work, might result in an extensive conflagration. The advantage to property owners, and the firemen, through the Fire Alarm is very great, and the services of Mr. Brophy, to the Fire Department, are fully appreciated by the Board of Engineers.

During the past year four new boxes have been put in, and I would recommend the addition of more alarm stations the coming year. The Telephone has proved itself very valuable, and could not well be dispensed with, and with the additions of the new stations asked for, the condition of our Fire Alarm Telegraph will be in every respect satisfactory.

The large fire alarm bell has been sent to the foundry and made into three bells, which give much better satisfaction.

Two large annunciators have been added during the year, and I would recommend the addition of three more as soon as possible. In order to save time, the horses are now unhitched by electricity on the first stroke of the gong, and trained to

take their places at the poles or shafts. The noise made by them often prevents the counting of the strokes of the gong, and the time saved by the unhitching device is often lost in waiting for the next round of the box. The annunciator, placed where the driver can see it, shows in plain figures the number of the box from which the alarm is given, and thereby prevents the possibility of such delays.

### EXPENDITURES.

The expenditures of the year have amounted to \$40,452.81; the revenue, \$935.64. The appropriation for the year was \$43,000.00, which, with the revenue added, makes \$43,935.64; which, after deducting the expenses of the year, leaves a balance of \$3,482.83. The amount expended may seem to some of our citizens large, for carrying on our Fire Department, but it is small compared to the value of the property which they stand ready at a moment's warning to protect from the fiery element. That property owners should feel secure, it is essential that the Engineers should have a force large enough upon which they may call to meet any exigency that may arise, and it would not be true economy to allow the Department to be crippled for want of means. The liberal appropriation made by the City Government, in past years, has brought the service to its present high standard, and it is the opinion of this Board that the money has been judiciously expended, as we believe that our city has a Fire Department which will bear comparison with, and is fully equal to that of any city of the same size in the country. It is a source of gratification to the officers and members of the Department that their services are fully appreciated by your honorable body and the citizens of Worcester, and it will be the aim of the Board to keep the expenses as low as possible, consistent with the well being of the Department.

### THE WORCESTER FIREMENS' RELIEF ASSOCIATION.

This Association was organized for benevolent purposes in 1874, and received its Charter from the State in 1878. The



main object of the organization is to afford relief to any of its members who may be injured while doing fire duty. The Association has a fund from which money is drawn to aid members who may need assistance. This fund is not very large, but is increased by donations from our citizens who approve of the object of the Association. We would call the especial attention of our benevolent citizens to the merits of the cause in which its members are engaged—that of aiding sick and disabled firemen. The thanks of the Board of Trustees are tendered to those who have kindly interested themselves in its behalf. A movement has been made in Boston in favor of pensioning disabled firemen, and those who have become superannuated by long service. If our city is not prepared to take such an advanced step, let those who have abundant means assist the firemen in creating a fund by which they can help themselves, when they have received injuries while endeavoring to save the property of their fellow citizens.

#### CONCLUSION.

Before closing this report, I desire to say that the Board of Engineers have availed themselves of every opportunity to gain information on all matters that would have a tendency to improve and advance the best interests of our Fire Department, and have given careful consideration to all measures presented to them for adoption; also have used their best endeavors to prevent serious loss of life and property by fire, in which they have met with a fair measure of success. We take pleasure in acknowledging the earnest and faithful support of the officers and members of the Department who are entitled to high commendation for the very satisfactory manner in which their arduous duties have been performed, for which they have doubtless had the approval of their fellow citizens. The people of Worcester join with visitors from abroad in expressing their admiration of the working of, and the excellent condition of the members of the Department. While we have given details, recommendations and suggestions in this report, we have also given each subject the space it seemed to require, and too much



praise cannot be bestowed upon the discipline and efficiency of the force, and if we have earned the approval of your honorable body and the citizens of Worcester, we are satisfied. To his Honor the Mayor, I desire to express my thanks for the uniform courtesy and interest manifested by him, at all times, in the Fire Department. The City Marshal and Police Department, Mr. Frank E. Hall, Water Commissioner, and Charles H. Peck, Superintendent of Public Buildings, one and all have my hearty acknowledgments for their kind assistance, and the good feeling manifested toward me and the Department during the past year. My sincere thanks are due to the Standing Committee of the Fire Department of the City Council for their cordial support of all matters brought to their attention, for the benefit of the Department. I am under many obligations to the Honorable City Council for the generous support given to measures for the improvement of the Department, which I have had the honor to recommend.

Respectfully submitted.

S. E. COMBS,

*Chief Engineer.*

## EXPENDITURES.

S. E. Combs, salary as Chief Engineer,	\$1,109 87
William Brophy, salary as Assistant Engineer,	1,000 00
John W. Loring, " " " "	200 00
Samuel H. Day, " " " " and clerk,	250 00
Gilbert N. Rawson, " " " " " "	200 00
Pay roll of Steamer Co. No. 1,	1,157 08
" " " " 2,	1,046 67
" " " " 3,	1,271 67
" " " " 4,	1,274 00
" City Hose Co. No. 1,	878 34
" Ocean " " " 2,	888 33
" Eagle " " " 3,	895 00
" Niagara " " " 4,	903 33
" Yankee " " " 5,	920 00
" Tiger " " " 6,	855 00
" Protector " " " 7,	855 00
" Hook and Ladder Co. No. 1,	1,755 00
" " " " " 2,	1,275 00
" Babcock Extinguisher Co.,	291 67
" Stewards and drivers,	6,421 00
New apparatus,	44 87
Repairs of apparatus,	740 81
" " houses,	1,714 98
Alarms for fire,	41 00
Material for, and repair of telegraph,	1,526 99
Hose,	1,055 49
Hay, grain and straw,	1,604 32
Horses for drawing apparatus,	578 50
Harnesses, blankets, and repairing same,	240 01
Repairing wagons and carts,	129 45
Medicine and attendance for horses,	21 15
Oil, soap, brushes, &c.,	250 84
Fuel,	671 64
Gas,	350 68
Advertising,	6 75
Printing,	102 46
Blacksmithing,	272 73
Freight and trucking,	26 62
Furniture, fixtures, and repairing the same,	263 36
Washing of bedding,	228 07
Express, stamps, &c.,	21 85
Hardware, tools and iron,	676 73
Ice,	7 56
Paints and oil,	43 75
Horses, and pasturing horses,	536 25
Wagon,	110 75
Rent of shop,	100 00
Hack hire for inspection,	43 00
Medical attendance on Michael Henry,	9 00

Rent of telephone, and repairs of same, . . . . .	126 00
Exchange and mounting alarm bells, . . . . .	380 60
Fire alarm indicator, . . . . .	200 00
Fire extinguishers, . . . . .	174 00
Striker for fire alarm, . . . . .	474 20
Traveling expenses of engineer, . . . . .	52 82
New engine house, Grafton street :	
Engineering and plans, . . . . .	114 87
Digging and stoning cellar, . . . . .	563 00
Contract, paid Charles A. Vaughan, . . . . .	3,180 00
Mason and carpenter work, and extra labor, . . . . .	263 57
Weather vane, . . . . .	25 00
Grading, stone and gas pipe, . . . . .	32 08
	<hr/>
	\$40,452 81

## REVENUE.

Appropriation, . . . . .	\$43,000 00
Received for labor of men and teams, . . . . .	610 00
"    manure, . . . . .	176 87
"    horse, . . . . .	75 00
"    material sold, . . . . .	29 42
"    use of steamer, . . . . .	12 00
"    Amounts refunded, . . . . .	17 35
"    flushing sewer, . . . . .	3 00
"    use of roof of engine house, . . . . .	12 00
	<hr/>
	\$43,935 64
	40,452 81
	<hr/>
Balance unexpended, . . . . .	\$3,482 83

# ALARMS OF FIRE.

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Jan. 1, 9.25 P. M. Box 15. An unoccupied two-story dwelling. Number 91 Lincoln street. Owned by G. W. Smith. Cause of fire, incendiary. No insurance, loss \$10. Extinguished by the Extinguisher and Fire Patrol. Engineers attending, Chief Combs, Loring and Rawson. Companies attending, Steamers 1 and 3, Hose of Steamer 2; Hose 1, 2 and 4; Hook and Ladder 2; Extinguisher and Fire Patrol.

Jan. 5, 8.40 P. M. Still alarm, from a dwelling house. Number 51 North Ashland street. Owned by C. O. Wheelock, and occupied by Joseph McBride. Cause, children playing with matches, loss trifling.

Jan. 21, 12.15 A. M. Still alarm, from a slaughter house on Forest street. Owned and occupied by Edwin R. Morse. Cause, unknown. Real estate insured \$2,300, loss \$1,500. Personal estate insured \$546, loss \$500.

Jan. 31, 10.20 A. M. Box. 46. A two-story frame house. Number 8 Harrison street. Owned and occupied by John Fitzpatrick. Cause, defective chimney. Real estate insured \$1,500, loss \$9.15. Personal estate insured \$200, no loss. Engineers attending, Chief Combs, Brophy and Rawson. Companies attending, Steamer 1; Hose of Steamer 2; Hose 2, 3, 4, 6 and 7; Hook and Ladder 2; Extinguisher and Fire Patrol.

Feb. 3, 6.40 P. M. Still alarm. A two-story frame building. Numbers 1, 3, 5, 7 Myrtle street. Owned by James H. Harrington. Occupied by C. Sullivan. Cause, unknown. Extinguished by Hose 5. Real estate insured \$1,500, loss \$20. Personal estate not insured, loss \$40. Company attending, Hose 5.

Feb. 9, 2.28 P. M. Still alarm. Water pipe burst in Gross and Strauss block, Nos. 458, 460, 462 Main street. The stock of dry goods covered by the Fire Patrol, and a large loss from water prevented. Dry goods owned by John McInness.

Feb. 9, 4.5 P. M. Box 35. A two-story house. Number 32 Richland street. Owned and occupied by Owen Digman. Cause, sparks from chimney. Real estate insured \$2,500, loss \$18.50. Personal estate, no insurance, no loss. Engineers attending, Chief Combs, and Rawson. Companies, Steamers 1, 2; Hose 2, 3, 7; Hook and Ladder 2, and Fire Patrol.

Feb. 13, 11.34 P. M. Box 45. A two-and-a-half-story frame house. Number 15 Lyon street. Owned by T. M. Trask, and occupied by Michael Henry and Thos. Nugent. Cause, defective chimney. Real estate insured \$1,500, loss \$347. Personal estate not insured, loss \$20. Engineers attending, Chief Combs, Loring and Rawson. Companies attending, Steamer 1; Hose of Steamers 2, 3; Hose 1, 2, 4; Hook and Ladder 2, and Fire Patrol.

Feb. 16, 3.56 A. M. Box 4. Numbers 396, 398, 400, Main street corner of Pearl. A three-story brick and stone building. The fire originated on the third floor, cause unknown. Owned by the Brinley heirs. Occupied by J. W. Welch, eating house; Rice & Whiting, bankers and brokers; Judge Adin Thayer and F. L. Childs, Staples & Goulding, Harding & Harris, law offices and Herbert G. Harlow, United States Deputy Collector's office; the Star Base Ball Club and Bradford's book bindery. Real estate insured \$9,000, loss \$186. No insurance on the offices, loss \$225. J. W. Welch, insured \$1,000, loss \$256. Engineers attending, Chief Combs, Brophy, Loring, Day and Rawson. Companies attending, Steamers 1, 3, Hose of Steamer 2; Hose 1, 2, 3, 4, 5, 6, 7; Hook and Ladder 1; Extinguisher and Fire Patrol.

Feb. 22, 1.1 A. M. Box 34. Number 6 Patterson street. A cottage house, cause, defective chimney. Owned by Martin Howard heirs. Occupied by Timothy Shay and Conrad Fitts. Real estate insured \$1,200, loss \$60. Personal estate insured \$300, loss \$40. Engineers attending, Chief Combs, Day and Rawson. Companies attending, Steamer 1, Hose of Steamer 2; Hose 2, 5, 7; Hook and Ladder 1; Extinguisher and Fire Patrol.

March 3, 7.45 P. M. Still alarm. A tenement house in Swan's Court. Cause, reflection from fire in a stove. No loss. Engineer attending, Brophy. Company attending, Steamer 1 Hose.

March 6, 8.45 A. M. Still alarm. A two-and-a-half-story frame building on Bloomingdale road. Cause, spark from chimney setting fire to the roof. Extinguished by a member of the Fire Department. Loss trifling.

March 7, 2.20 P. M. A. D. T. Station 316, number 171 Union street. A three-story brick building. Cause, spark from chimney setting fire to some sacking. Extinguished by the Fire Patrol. Building owned by W. T. Merrifield. Occupied by Baldwin & Fletcher, sash and blind makers, and T. J. Todd, spice and coffee factory. Loss trifling. Engineers attending, Chief Combs and Brophy. Companies attending, Steamer 1 Hose, and Fire Patrol.

March 14, 3.5 P. M. Still alarm. Numbers 8, 10, 12 Southbridge street. A three-story frame building, owned by R. C. Taylor. Fire originated on the second floor. Cause, hot ashes. Extinguished by the occupant. Loss \$5.

March 15, 4 P. M. Still alarm. A frame building on Eastern Avenue, owned by Matthew McCormic. Cause, defective chimney. Fire extinguished by Engineer Brophy. Loss trifling.

March 20, 3.20 P. M. Still alarm. Number 138 Main street. A store occupied by C. S. West. Cause, kerosene stove. Extinguished by James Adams, driver of Steamer 3. Loss trifling.

March 31, 10.25 P. M. Still alarm. A two-story frame house on Hope Avenue. Cause, incendiary. Owned and occupied by John May. Extinguished by the occupants. Real estate insured \$1,300, loss \$10. Personal estate insured \$300, no loss.

April 1, 9.50 A. M. Still alarm. Number 444 Main street. Cause, defective chimney in the office of the Worcester Spy. No damage. Company attending, Fire Patrol.

- April 1, 12.15 P. M. Still alarm. Number 344 Main street. Cause, defective chimney in the office of S. A. Burgess. No damage. Engineer attending, Chief Combs.
- April 2, 5.25 P. M. Still alarm. A frame house, number 202 Southbridge street, occupied by Charles Cook. Cause, spark from chimney setting fire to the roof. Extinguished by Chief Combs. Loss trifling.
- April 4, 8.40 A. M. Still alarm. A brick house, number 79 Belmont street, occupied by G. R. Kennedy. Cause, child playing with matches set fire to a bed. Extinguished by the occupant. Loss \$10.
- April 6, 12.10 P. M. Still alarm. The Worcester & Nashua railroad bridge over Union street. Caused, as supposed, by an incendiary. No loss.
- April 7, 1.15 P. M. Still alarm. A frame building, number 65 Jackson street. Cause, spark from chimney setting roof on fire. Extinguished by members of the Fire Department. Loss trifling.
- April 8, 8.20 P. M. Still alarm. A frame house on Sargent street, occupied by Mrs. Kate Dewey. Cause, explosion of a kerosene lamp. Extinguished by the occupant. Loss trifling.
- April 9, 3.1 P. M. A. D. T. Station 56. A frame barn in rear of 118, 120, 122 Front street, owned by H. S. Prentiss. Cause, spark from chimney setting fire to the roof. Extinguished by the Fire Patrol and Steamer 1. Loss \$10. Engineer attending, Chief Combs. Companies attending, Steamer 1 Hose and Fire Patrol.
- April 10, 10.25 A. M. Still alarm. Rear of 33 Pearl street. Cause, hot ashes set fence on fire. No loss. Extinguished by members of the Fire Department.
- April 23, 4.50 P. M. Still alarm. Newton Hill, grass on fire. No damage. Engineers attending, Chief Combs and Brophy. Companies, Steamers 1 and 2 Hose, and Hose 6.
- April 25, 8.40 A. M. Box 56. Number 16 Harvard street. A two-story frame house. Cause, spark from chimney setting roof on fire. Owned and occupied by Geo. E. Gladwin. Real estate insured \$2,500. Loss \$24.30. Personal estate insured \$1,200. No loss. Engineers attending, Chief Combs, Brophy and Rawson. Companies attending, Steamers 1, 3, Hose of Steamer 2; Hose 1, 4, 6; Hook and Ladder 2; Extinguisher and Fire Patrol.
- May 5, 3.5 P. M. Still alarm. In rear of numbers 166, 168 Front street. A two-story frame house. Cause, sparks setting fire to the roof. Loss \$10. Engineers attending, Chief Combs and Brophy. Company attending, Hose of Steamer 1.
- May 9, 5 P. M. Still alarm. A two-story frame house, number 45 Summer street. Cause, child playing with matches. Extinguished by the occupant. No damage. Company attending, Steamer 3 Hose.
- May 13, 6.20 P. M. Still alarm. A one-and-a-half-story frame house in Burnside court; cause, defective chimney. Extinguished by the Fire Patrol. Owned by the Burnside sisters, and occupied by Mrs. Naill. Loss \$5. Company attending, Fire Patrol.



May 21, 6.40 P. M. Still alarm. Number 63 Central street. Two-story frame house owned by Mrs. H. P. Draper. Insured \$1,300; Loss \$3.60. Engineer attending, Chief Combs. Companies attending, Steamer 1 Hose; Hose 4.

May 23, 5.40 P. M. Still alarm. A small wooden building on Jackson street, connected with the Junction shop; cause, spark from a locomotive set fire to the roof, Extinguished by Steamer 2. Engineer attending, Day. Company attending, Steamer 2 Hose. Loss trifling.

May 25, 6.10 P. M. Still alarm. Leicester street; a four-story brick building owned and occupied by Ashworth & Jones as a woolen mill; cause, spontaneous combustion in the picker room. Extinguished by the workmen. No loss.

May 26, 4.15 A. M. Still alarm. Numbers 166, 168, 170 Front street. A four story brick building owned by Hiram Forbes; first floor occupied by Walter Forehand, cigar store, and George E. Newton, eating house; upper floor occupied for tenements. Fire originated in the basement; cause, hot fat. Extinguished by the Fire Patrol; no loss. Company attending, Fire Patrol.

June 4, 7.15 P. M. Still alarm. Number 1 Russell court. A frame dwelling house; cause, from chimney. Extinguished by Hose 6; no loss. Company attending, Hose 6.

June 6, 3.40 P. M. Still alarm. In the rear of number 98 Exchange street, a framed shed owned by Leo Roberts; cause, child playing with matches. Extinguished by members of Fire Department; loss trifling.

June 14, 10.12 P. M. Box 24. Numbers 392, 394 Southbridge street. A two-story and French roof six-tenement frame house owned by J. F. Light. The fire originated in the French roof tenement, occupied by John Hewes; cause, breaking of a kerosene lamp. Extinguished by the Fire Patrol. Real estate insured \$4000, loss \$10. Personal estate not insured; loss \$20. Mrs. Upham was burned so badly that she died next day. Engineers attending, Chief Combs and Day. Companies attending, Steamer 1 Hose; Steamer 2; Hose 5, 7; Hook and Ladder 1; Extinguisher and Fire Patrol.

June 19, 9.24 P. M. Box 43. Quinsigamond Village. A two-and-a-half-story frame building, owned and occupied by Mrs. E. A. Webster as a beer brewery; cause of fire unknown. Real and personal estate insured \$8,000, loss \$25. Engineers attending, Chief Combs and Brophy. Companies attending, Steamers 1, 2; Hose 2, 7; Hook and Ladder 2; Extinguisher and Fire Patrol.

June 25, 10.15 A. M. Still alarm. In the rear of number 258 Front street, a one-and-a-half-story frame blacksmith shop occupied by Woodcock and Chaplin; cause, sparks from a locomotive set the roof on fire. Extinguished by members of the Fire Department; no loss.

June 25, 1.10 P. M. Still alarm. Jackson street. A one-and-a-half-story frame building owned and occupied by the Junction Foundry Co. as a pattern shop; cause, sparks from a locomotive set the roof on fire. Extinguished by members of the Fire Department; loss trifling. Engineer attending, Day. Company attending, Steamer 2 Hose.

June 25, 7.45 P. M. Still alarm. Number 34 Central street. A one-and-a-half-story framed blacksmith shop, occupied by E. C. Matthews; cause, spark from the forge; loss trifling. Extinguished by officer G. S. Bliss.

- June 27, 2.05 P. M. Still alarm. Jackson street. A one-and-a-half-story frame building, owned and occupied by the Junction Foundry Co. as a pattern shop; cause, sparks from a locomotive set the roof on fire. Extinguished by Steamer 2; loss trifling. Engineers attending, Chief Combs, Brophy and Day. Companies attending, Hose of Steamers 1, 2, 3, and Fire Patrol.
- July 4, 12.16 A. M. Box 61. Grand street. A one-and-a-half-story frame blacksmith shop owned by Adin Thayer, and occupied by Forehand and Wadsworth; cause of fire unknown. Real estate not insured; Personal estate not insured. Loss on the former \$500, and on the latter \$300. Engineers attending, Chief Combs and Day. Companies attending, Steamers 2, 4; Hose of Steamer 1; Hose 5, 6, 7; Hook and Ladder 1; Extinguisher and Fire Patrol.
- July 5, 2.49 P. M. Still alarm. Numbers 2, 4, 6 Bigelow court. A three-story brick building owned by H. G. Whitcomb, and occupied by Albert Hubley and L. A. Murdock, rag and paper sorting shop; cause of fire unknown. Real estate not insured, loss \$35. Personal estate insured \$3,850, loss \$363.90. Engineer attending, Chief Combs. Companies attending, Steamer 1; Hook and Ladder 1, and Fire Patrol.
- July 10, 11.32 A. M. Box 24. Number 9 Douglass street. A cottage house and two barns; cause of fire unknown. The house and one barn owned by John B. Harrington, and occupied by Joseph Seymour; the other barn owned and occupied by Joseph Blongule. Real and Personal estate not insured; loss \$219.60. Engineers attending, Chief Combs, Brophy and Day. Companies attending, Steamers 2, 4; Hose of Steamer 1; Hose 2, 5, 7; Hook and Ladder 1; Extinguisher and Fire Patrol.
- July 10, 12.20 P. M. Box 24. Number 153 Cambridge street. A two-and-a-half-story three tenement frame house owned by Norman F. Shedd. Real estate insured; loss \$10. Engineers attending, Chief Combs, Brophy, Loring, Day and Rawson. Companies attending, Steamer 3; Hose of Steamer 1; Hose 1, 3, 4; Hook and Ladder 1; Extinguisher and Fire Patrol.
- July 23, 5.15 P. M. Still alarm. Number 10 Bowdoin street. A dwelling house owned by H. H. Bigelow; cause defective chimney. Extinguished by Wm. Flynn; no loss.
- July 28, 11.50. Still alarm. Green street, Fox's Mill; spontaneous combustion of oily waste. Extinguished by officers Keyes and Matthews; no loss.
- July 30, 7.49 P. M. Box 75. Number 32 Clifton street. A two-and-a-half-story frame house owned and occupied by Samuel Ayres; cause, explosion of a kerosene stove. Extinguished by the Fire Patrol. Real estate insured \$2,000; loss trifling. Engineers attending, Chief Combs, Brophy, Loring and Day. Companies attending, Steamers 2, 4; Steamer 1 Hose; Hose 5; Hook and Ladder 1 and Fire Patrol.
- August 2, 10.20 P. M. Still alarm. Numbers 5, 7, 9, 11 Lile street. A two-story frame tenement block; cause, explosion of a kerosene lamp in the tenement occupied by C. Walker. Loss trifling.
- August 21, 10.26 P. M. Box 17. Number 12 High street. A two-and-a-half-story frame house, owned by Wm. Dickinson, and occupied by Mrs. Clark. Cause of

fire, incendiary. Real estate not insured; loss \$20.00. Personal estate insured \$4,000; no loss. Engineers attending, Chief Combs, Brophy, Loring, Day and Rawson. Companies attending, Steamers 1, 3; Hose of Steamer 2; Hose 1, 3, 4, 5, 6; Hook and Ladder 1 and Fire Patrol.

August 28, 1.36 P. M. Box 46. Number 16 Water street. A two-and-a-half-story frame house, owned by Mrs. Welch. Cause, spark from chimney setting roof on fire. Real estate insured; loss trifling. Engineers attending, Brophy and Rawson. Companies attending, Steamer 1; Hose of Steamers 2, 3; Hose 2, 7; Hook and Ladder 2 and Fire Patrol.

Sept. 3, 7.20 P. M. Box 64. A three-story frame building on Grafton street, occupied by L. Stowe & Co., for a boot shop. Cause, explosion of a kerosene lamp. No loss. Engineers attending, Chief Combs and Brophy. Companies attending, Steamer 1, Hose of Steamers 2, 3; Hose 2, 7; Hook and Ladder 2 and Fire Patrol.

Sept. 16, 1.46 A. M. Box 26. Second alarm 2.20. Numbers 80, 82, 84, 86, 88, 90 Southbridge street. A three-story frame block, owned by F. H. Dewey and W. W. Rice. Cause, spontaneous combustion. Occupied by E. N. Dean, heel manufacturer; Henry Adams, dye works; O'Brien & Porter, tin and rag shop; Worcester Galvanized Iron Company, and John S. Churchill, manufacturer of shoe blacking. Real estate insured \$75,000. loss \$2,365.27. Personal estate insured \$2,700; loss \$2,890.78. Engineers attending, Brophy, Loring, Day and Rawson. Companies attending, Steamers 1, 2, 3; Hose 1, 2, 3, 4, 5, 6, 7; Hook and Ladder 1, 2; Extinguisher and Fire Patrol.

Sept. 10, 2 P. M. Still alarm. Corner of Church and Front streets. Cause, chimney on fire. No loss. Company attending, Steamer 1 Hose.

Sept. 11, 8.5 P. M. Still alarm. Numbers 2, 4, 6 Bigelow Court. Cause, explosion of a kerosene lamp; no loss.

Sept. 23, 10 P. M. Still alarm. Number 11 Maple street. House owned by James Wrigley. Cause, explosion of a kerosene lamp. No damage to the house, but Margaret Courtney was burned so severely that she died next day.

Oct. 3, 4.10 P. M. Still alarm. Number 121 Union street. A frame coal shed, occupied by Mann and Knight. Cause, spark from chimney setting fire to the roof. Extinguished by E. L. Vaughn, a member of Steamer 1; loss trifling.

Oct. 5, 2.20 A. M. Box. 61. Gardner street. A two-story frame barn, owned by J. H. Walker, and occupied by C. H. Fletcher and F. W. Wellington. Cause of fire, unknown. Real estate insured \$1,200, loss \$1,200. Personal estate not insured; loss \$400. Engineers attending, Chief Combs, Loring and Day. Companies attending, Steamers 2, 4; Hose of Steamers 1, 3; Hose 5, 6, 7; Hook and Ladder 1; Extinguisher and Fire Patrol.

Oct. 8, 5.36 P. M. Box 13. Newton street, New Worcester. A frame barn, owned and occupied by Loring, Coes & Co. Cause of fire, unknown. Real estate insured \$100; loss \$100. Personal estate not insured, loss \$125. Engineers attending, Chief Combs, Brophy and Loring. Companies attending, Steamers 2, 4; Hose of Steamer 1; Hose 6, 9; Hook and Ladder 2; Extinguisher and Fire Patrol.

Oct. 10, 8.5 P. M. Still alarm. Market street, burning of rubbish. Extinguished by Steamer 3; no loss. Company attending, Steamer 3 Hose.

- Oct. 15, 8.20 P. M. Still alarm. Foster street. Caused by the burning of window curtains in the skating rink. Extinguished by the Fire Patrol.
- Oct. 15, 8.29 P. M. Telephone alarm. In the rear of number 165 Chandler street. A one-and-a-half-story frame barn. Cause, breaking a kerosene lamp; no damage. Companies attending, Hose of Steamers 1, 2, 3; Hose 6; Extinguisher and Fire Patrol.
- Oct. 16, 7.15 A. M. Still alarm. Number 179 Main street. A three-story brick building, owned and occupied by the National Manufacturing Company. The fire originated on the second floor, caused by the furnace. Extinguished by the operatives. Insured \$5,900; loss \$59.
- Oct. 16, 11.15 A. M. Still alarm. Number 2 Crescent place. A two-story frame house, owned and occupied by Andrew B. Barnard. Cause, defective chimney. Extinguished by the Babcock Extinguisher. Company attending, the Extinguisher.
- Oct. 17, 6.12 P. M. Box 45. A one-story frame building on Plum street, owned and occupied by James Walmsley as an oil factory. Cause, the igniting of naphtha. Real estate not insured, loss \$1,000. Personal estate not insured; loss \$1,500. Engineers attending, Chief Combs, Brophy and Rawson. Companies attending, Steamer 1; Hose of Steamer 2, 3; Hose 1, 2, 7; Hook and Ladder 2; Extinguisher and Fire Patrol.
- Oct. 18, 8.45 A. M. Still alarm. Numbers 472-480 Main street. Cause, defective flue in the room on the second floor occupied by Dr. Harris. No damage. Company attending, Fire Patrol.
- Oct. 21, 2.45 P. M. Telephone alarm. Number 26 Salisbury street, Witherby, Rugg and Richardson's shop. The alarm was given to exhibit the working of the Bell Telephone to members of the City Government, by order of the Chief. Engineers attending, Chief Combs, Brophy, Loring, Day and Rawson. Companies attending, Steamers 1, 3, Hose; Extinguisher and Fire Patrol.
- Oct. 21, 4.55 P. M. Telephone alarm. Number 779 Main street. Mayor Pratt's house. Given to exhibit the working of the Bell Telephone to members of the City Government. Done by order of the Mayor. Engineers attending, Chief Combs, Brophy, Loring, Day and Rawson. Companies attending, Steamers 1, 2, Hose; Hose 6; Extinguisher and Fire Patrol.
- Oct. 24, 11.4 A. M. Box 43, Quinsigamond. A two-story Mansard roof brick building, owned by the city, and occupied as a school. Cause of fire, unknown. Real estate insured \$2,000; loss \$65.20. Engineers attending, Chief Combs, Brophy and Day. Companies attending, Steamers 1, 2; Hose 2, 7; Hook and Ladder 2; Extinguisher and Fire Patrol.
- Oct. 24, 8.10 P. M. Still alarm. Number 464-466 Main street. A five-story brick block. Cause of fire, explosion of a kerosene lamp in the tenement occupied by Charles H. Cleveland. Loss trifling.
- Oct. 25, 3.28 P. M. Still alarm. Pleasant street Universalist Church. Cause, by the furnace. No damage. Engineer attending, Chief Combs. Company attending, Fire Patrol.



- Oct. 30, 4.45 P. M. Box 24. Number 21 Washburn street. A two-story frame house. Caused by fire in some straw in the cellar. No loss. Engineers attending, Chief Combs, Brophy, Loring and Day. Companies attending, Steamer 2, Hose of Steamers 1, 3; Hose 5, 7; Hook and Ladder 1; Extinguisher and Fire Patrol.
- Nov. 1, 4 A. M. Telephone alarm. Number 18 Cross street. A two-story frame house, owned by Walter Henry. Cause of fire, a kerosene lamp. Extinguished by the Fire Patrol. Loss trifling. Real estate insured. Company attending, Fire Patrol.
- Nov. 1, 12.15 P. M. Telephone alarm. Corner of Main and Hermon streets. Caused by the boiling over of a kettle of tar. No loss. Engineers attending, Chief Combs and Day. Companies, Hose of Steamers 1, 2; Extinguisher and Fire Patrol.
- Nov. 4, 11.8 P. M. Box 4. Nos. 390, 392 and 394 Main street. A three-and-a-half story stone and brick building, owned by the Brinley Heirs; occupied by Alfred Holden & Co., tea and coffee store; Jonas White, toy store; the Evening Gazette; Asa Adams, printer; A. L. Johnson, machinist, and Le Bien Public, owned by Charles Gigault and Louis Brault. Real estate insured \$11,000; loss \$828.88. Personal estate insured \$16,000; loss \$1,843.56. Engineers attending, Chief Combs, Brophy, Loring, Day and Rawson. Companies attending, Steamers 1, 3; Hose 1, 2, 3, 4, 5, 6; Hook and Ladder 1; Extinguisher and Fire Patrol
- Nov. 5, 9.15 P. M. Telephone alarm. No. 492 Main street. A two-story frame house, owned and occupied by Dr. Joseph Sargent; caused by furnace pipes setting the floor on fire. Extinguished by the Fire Patrol. No loss. Company attending, Fire Patrol.
- Nov. 6, 2.52 P. M. Box 4. Numbers 1, 3, 5, 7 Pleasant street, and numbers 424 and 426 Main street. A four-story Mansard roof brick block, owned by T. M. Rogers. Occupied by Wm. H. Morse, banker; L. M. Green, apothecary; Russell R. Shepard, fire-arms; S. A. Grosvenor, boot and shoe store; W. T. Brown, tailor; H. A. Bowman, upholsterer; C. J. Richards, boot and shoe patterns; Otis & Heald, civil engineers; Hill & Tolman, mechanical engineers; E. J. Leland and George Williams. The fire originated on the fifth floor; cause, unknown. Real estate insured \$15,000; loss \$128.09. Personal estate insured \$7,000; loss \$73.23. Engineers attending, Chief Combs, Brophy and Loring. Companies attending, Hose of Steamers 1, 2, 3; Hook and Ladder 1; Hose 6; Extinguisher and Fire Patrol.
- Nov. 6, 10.45 P. M. Still alarm. Number 392 Main street. Caused by an open faucet on third floor, allowing the water to drop into the store occupied by Jonas White. Stock of goods covered by the Fire Patrol.
- Nov. 8, 2.48 A. M. Box 26. Number 73 Salem street. A two-and-a-half-story frame house, owned and occupied by Mrs. D. A. Tenney. Fire originated on the second floor; cause unknown. Real estate insured \$5,500; loss \$127.75. Personal estate insured \$1,500; no loss. Engineers attending, Chief Combs, Brophy, Loring, Day and Rawson. Companies attending, Steamer 1; Hose of Steamers 2, 3; Hose 3, 5; Hook and Ladder 2; Extinguisher and Fire Patrol.
- Nov. 9, 5.35 A. M. Box 43. Quinsigamond. A two-story frame building, owned and occupied by Mrs. E. A. Webster as a brewery. Real and personal estate insured \$8,000; loss \$8,000. Engineers attending, Chief Combs, Brophy and Day. Companies attending, Steamers 1, 2; Hose 2, 7; Hook and Ladder 2; Extinguisher and Fire Patrol.

- Nov. 9, 5.44 A. M. Box 24. Caused by seeing the reflection of the fire in Quinsigamond. Engineers attending, Brophy, Loring, Day and Rawson. Companies attending, Steamer 3; Hose 1, 3, 4, 5, 6.
- Nov. 11, 10.49 A. M. Box 28. Number 76 Millbury street. A two-and-a-half-story frame house, owned by C. F. Allen. Caused by sparks from the chimney setting fire to the roof. Real estate insured \$2,000; loss \$18.00. Engineers attending, Chief Combs, Brophy and Day. Companies attending, Steamers 1, 2; Hose 2, 7; Hook and Ladder 1; Extinguisher and Fire Patrol.
- Nov. 13, 2.6 A. M. Box 15. Northville. A two-and-a-half-story frame house, barn and carriage house, owned and occupied by Edwin F. Morse. Cause, incendiary. Real estate insured \$3,600; loss \$3,400. Personal estate insured \$3,650; loss \$2,600. Four horses, four cows, and fourteen pigs perished in the flames. Engineers attending, Chief Combs, Brophy, Loring and Rawson. Companies attending, Steamers 1, 3; Hose 1, 2, 4; Hook and Ladder 2; Extinguisher and Fire Patrol.
- Nov. 16, 2.55 P. M. Still alarm. Grafton street, Boston and Albany coal yard. Cause, spontaneous. Extinguished by Hose 2. Loss trifling. Company attending, Hose 2.
- Nov. 26, 6.34 P. M. Telephone alarm. Corner of Church and Front streets. A two-and-a-half-story brick house. Cause, chimney fire. No damage. Engineer attending, Brophy. Companies attending, Hose of Steamers 1, 2; Hose 2 and the Fire Patrol.
- Nov. 27, 8.45 P. M. Box 43, Quinsigamond. A two-and-a-half-story frame house, owned by R. C. Taylor, and occupied by four families. Cause of fire, defective chimney. Real estate insured, \$700; loss, \$1500. Personal estate not insured; loss \$200. Engineer attending, Brophy. Companies attending, Steamers 1, 2; Hose 2, 7; Hook and Ladder 2; Extinguisher and Fire Patrol.
- Nov. 29, 5.25 P. M. Still alarm. Number 26 West street. A frame house occupied by Edward S. Kennedy. Cause of fire, a kerosene lamp. Personal estate insured, \$1,200; loss \$15.00.
- Dec. 2, 8.38 P. M. Box 24. Southgate street. A two-and-a-half-story stone mill. The fire originated in the picker room. Cause, unknown. Owned by Jordan, Marsh and Co.; occupied by J. A. Smith. Woolen mill. Real estate insured, \$75,000; loss \$200. Personal estate insured, \$35,000; loss \$470. Engineers attending, Brophy and Day. Companies attending, Steamer 2; Hose of Steamer 1; Hose 2, 5, 7; Hook and Ladder 1; Extinguisher and Fire Patrol.
- Dec. 4, 6.25 A. M. Still alarm. Numbers 24, 26 Pearl street. A four-story and Mansard roof block, owned by T. W. Wellington, occupied by Dr. Dixon, Dr. Bishop, Mrs. S. J. Clark, and F. Landers. The fire originated on the third floor. Cause, rats and matches. Extinguished by the Fire Patrol. Real estate insured, \$10,000; loss \$10.00. Personal estate insured, \$500; no loss. Company attending, Fire Patrol.
- Dec. 5, 6.49 P. M. Box 34. Corner of Pond and Beach streets. Cause, chimney on fire. No loss. Engineers attending, Brophy, Day and Rawson. Companies attending, Steamer 1; Hose of Steamers 2, 3; Hose 2, 7; Hook and Ladder 1; Extinguisher and Fire Patrol.



- Dec. 7, 10.7 A. M. Telephone alarm. Rear of 261 Front street. A one-and-a-half-story frame building owned by A. Chapleau, and occupied by D. W. Shay. Cause of fire from the furnace. Real estate insured, \$600; loss \$36. Personal estate insured, \$600; loss \$375.75. Engineer attending, Brophy. Companies attending, Hose of Steamers 1, 2; Hose 2; Hook and Ladder 1; Extinguisher and Fire Patrol.
- Dec. 9, 11.41 A. M. Box 65. Number 11 Linden street. A two-story and Mansard roof frame house, owned and occupied by John E. Washburn; fire originated on the second floor. Cause unknown. Extinguished by the Fire Patrol. Real and Personal estate insured; loss \$100. Engineers attending, Brophy and Rawson. Companies attending, Steamers 1, 2; Hose of Steamer 3; Hose 2, 3; Hook and Ladder 1; Extinguisher and Fire Patrol.
- Dec. 9. Still alarm. Number 16 Cedar street. A two-story frame house, owned and occupied by William C. McKay. Cause of fire, child playing with matches. Real estate insured, \$2,200. No loss. Personal estate insured, \$1,500. Loss \$41.70.
- Dec. 13, 11.47 A. M. Box 4. Numbers 31, 33, 35, 37 Pleasant street. A three-story Mansard roof granite block, owned by Dr. J. M. Rice, and occupied by Dr. J. M. Rice, H. F. Edwards, Rev. Dr. Cutler, T. S. Johnson, A. M. Thomas, D. A. Hawkins, Commonwealth Cafe, and the Sovereigns of Industry Grocery store. The fire originated in the basement of the Commonwealth Cafe. Cause, upsetting a kerosene lamp. Real estate insured, \$21,500. Loss \$4,150. Personal estate insured, \$9,000. Loss \$1,417. Engineers attending, Brophy, Loring, Day and Rawson. Companies attending, Steamers 1, 3; Hose of Steamer 2; Hose 2, 3, 4, 5, 6; Hook and Ladder 1; Extinguisher and Fire Patrol.
- Dec. 14, 1.25 P. M. Still alarm. Number 254 Main street. A store occupied by W. C. Howe. Cause of fire unknown. Extinguished by Dr. Nichols. Personal estate insured, \$1,000. Loss \$27.00.
- Dec. 20, 7.10 A. M. Still alarm. Number 64 Thomas street. A two-story brick house, owned by Patrick Whalen. Cause of fire unknown. Extinguished by Steamer 3. Real estate insured, \$2,000. Loss \$12. Company attending, Steamer 3 Hose.
- Dec. 23, 4.32 P. M. Box 15. Hemans street. A one-and-a-half-story frame house, owned and occupied by A. F. Kihoston. Cause of fire, rats and matches. Extinguished by the Fire Patrol. Real estate insured, \$800. Loss \$80. Personal estate insured, \$200. Loss \$34.50. Engineers attending, Brophy and Rawson. Companies attending, Steamers 1, 3; Hose 1, 2, 3, 4, 6; Hook and Ladder 2, and Fire Patrol.
- Dec. 27, 7.16 A. M. Still alarm. Quinsigamond. A two-story frame house, owned by Washburn & Moen. Cause of fire, kerosene lamp. Real estate insured. No loss. Personal estate insured, \$300. Loss \$15.
- Dec. 28, 3.45 P. M. Telephone alarm. Number 222 Main street. Chimney fire. No damage. Engineers attending, Brophy and Rawson. Companies attending, Steamer 1; Hose of Steamer 3; Extinguisher and Fire Patrol.
- Dec. 31, 11 P. M. Still alarm. Corner of Park and Portland streets. A two-story frame house, owned by John F. Ballard. Occupied by H. F. Normand. Cause of fire, defective chimney. Extinguished by the Fire Patrol. Real estate insured, loss \$10.



BOARD OF ENGINEERS  
— OF THE —  
CITY OF WORCESTER,  
FOR 1880.  
OFFICE NO. 80 FRONT STREET.

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CHIEF ENGINEER.

SIMON E. COMBS.

Age 53.     -     -     Residence, 17 School Street.     -     -     No. of Badge, 1.

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1st Assistant, WILLIAM BROPHY.

Age 43.     -     -     Residence, 18 Wilmot Street.     -     -     No. of Badge, 2.

2d Assistant, J. W. LORING.

Age 49.     -     -     Residence, 45 Prospect Street.     -     -     No. of Badge, 3.

3d Assistant and Clerk, SAMUEL H. DAY.

Age 42.     -     -     Residence, 46 Hermon Street.     -     -     No. of Badge, 4.

4th Assistant, G. N. RAWSON.

Age 43.     -     -     Residence, Shelby Street.     -     -     No. of Badge, 5.

Superintendent of Fire Alarm Telegraph, and Inspector of Petroleum.

WILLIAM BROPHY.

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COMMITTEE ON FIRE DEPARTMENT.

ALDERMEN.

MOWRY A. LAPAM.

CHAS. G. REED.

COUNCILMEN.

BENJAMIN BOOTH.

JOHN J. WHITE.

SAMUEL A. PORTER.

## STEAMERS.

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### GOV. LINCOLN, STEAM FIRE ENGINE No. 1.

Located at Bigelow Court. This engine was built by the Amoskeag Manufacturing Co., Manchester, N. H., and delivered to this Department in February, 1873. It is a double reciprocating, vertical engine, with two steam cylinders,  $7\frac{5}{8}$  inches diameter, and 8 inch stroke; pump  $4\frac{1}{2}$  inches diameter, and 8 inch stroke. At a fair working speed it will deliver 600 gallons of water per minute. The boiler is vertical, 32 inches diameter, 66 inches long, and contains 301 brass tubes 18 inches long and  $1\frac{1}{4}$  inches diameter. Weight, when drawn to a fire, 8,000 pounds. With this machine there is a four-wheeled hose carriage, carrying 700 feet of hose, a portable extinguisher, and all the necessary equipments. This carriage was built by Albert Tolman & Co., of this city, and is in good condition. Three horses are in the house, owned by the city, with two permanent drivers. Four hosemen occupy beds in the house, also the drivers. Company, when full, is eleven men, including drivers.

### MEMBERS.

	Names.	Age.	Residence.	No. of Badge.
Foreman and } Permanent. }	Chas. Allen,	34.	Bigelow Court,	6.
Assistant,	D. P. Allen,	24.	Engine House,	7.
Clerk,	John J. Donelson,	28.	“ “	8.
Engineer,	Wm. R. Shaw,	34.	Salem street,	9.
Asst. Engin'r,	James D. Shaw,	38.	Orange street,	10.
	Samuel F. Barnes,	34.	Front street,	11.
	Fred. S. Hitchcock,	21.	Engine House,	13.
	Sewell W. Boynton,	29.	Main street,	14.
	H. L. Dunton,	27.	Engine House,	11.
	Chas. A. Fish,	25.	Spruce street,	15.
Permanent,	James K. Laffin,	28.	Engine House.	

## S. E. COMBS, STEAM FIRE ENGINE No. 2,

Located on Beacon street. This engine was built by H. C. Silsby & Co., Seneca Falls, N. Y. This machine was delivered to this Department in August, 1874.

It will throw about 550 gallons of water per minute, at a fair working pressure, and weighs, when going to a fire, about 8,400 pounds.

With this engine there is a four-wheeled hose carriage, built by Corbett & Willard, of this city, in September, 1874. It will carry 1,000 feet of hose and a portable extinguisher. Permanent horses are kept for the steamer and hose carriage, with permanent engineer and driver. The fireman and two hosemen occupy beds in the engine house. The company, when full, has eleven men, including driver.

## MEMBERS.

	Name.	Age.	Residence.	No. of Badge.
Foreman,	M. C. Viall,	34.	Jackson street,	16.
Asst. "	John Wheaton,	27.	Main street,	17.
Clerk,	Wm. C. Wallace,	27.	Jackson street,	18.
Engineer, and	Permanent, }	36.	Engine House,	19.
	Carl Noyes, }			
Asst. "	A. W. McKeeby,	28.	" "	20.
	E. P. Taft,	36.	Austin street,	21.
	O. H. Wallace,	37.	Main "	22.
	Samuel E. Bacon,	82.	Piedmont "	23.
	Alfred Lavene,	24.	Engine House,	24.
	Chas. McKnight,	30.	Jackson street,	25.
Permanent,	Chas. H. Shippee,	30.	Engine House.	

## A. B. LOVELL, STEAM FIRE ENGINE No. 3.

This engine is located on School street, and was built by B. S. Nichols & Co., of Burlington, Vt., in 1878. It is a double reciprocating, vertical engine, with two steam cylinders,  $7\frac{1}{4}$  inches in diameter, and 8 inch stroke; two pumps,  $4\frac{1}{2}$  inches in

diameter, and 8 inch stroke; at a fair working speed it will deliver 600 gallons of water per minute; the boiler is vertical, 34 inches diameter, and 60 inches high, and contains 365 copper tubes,  $1\frac{1}{4}$  inches diameter, and 16 inches long; weight, when drawn to fire, 6,800 pounds.

With this engine there is a four-wheeled hose carriage, drawn by horse, built by William H. Willard, of this city, in 1878; some parts of the same was finished by permanent men in the Fire Department. It will carry 800 feet of hose and a portable extinguisher; a permanent man and horse is kept for this carriage; the Steamer is drawn by hire; four men occupy beds in the house; company, when full, eleven men.

## MEMBERS.

	Names.	Age.	Residence.	No. of Badge
Foreman,	Chas. M. Mills,	29.	Thomas street,	26.
Asst. "	Chas. W. Johnson,	36.	Engine House,	27.
Clerk,	Wm. A. Rand,	36.	Main street,	28.
Engineer,	A. Burlingame,	38.	Fountain street,	29.
Asst. "	Geo. P. Blake,	37.	Shelby "	30.
	Geo. W. Leavens,	24.	Engine House,	31.
	Frank Roberts,	23.	Lincoln street,	32.
	Wm. D. Luchay,	27.	Belmont "	33.
	George Liberty,	40.	School "	34.
	Alvin W. Prouty,	25.	Engine House,	35.
Permanent,	James F. Adams,	24.	" "	

## RAPID, STEAM FIRE ENGINE NO. 4.

LOCATED AT WEBSTER SQUARE.

This engine was built by H. C. Silsby & Co., of Seneca Falls, N. Y., in 1873. The engine and pumps are Holly's direct-acting rotary, with steel shafts and bronze metal bearings, mounted on a wrought iron frame, the pumps having discharge gates for two streams. A donkey engine is attached to the machine by which the boiler can be fed with water, independent of both the main and feed pumps, and with which the boiler can be continually fed when the engine is not running. The boiler is the improved circulating tubular, 30 inches in



diameter, and 68 inches high; this engine is third class in size, and is capable of throwing 500 gallons of water per minute, at a fair working speed. Weight of engine, when drawn to a fire, 6,500 pounds. With this engine there is a two-horse four-wheeled hose carriage, carrying 700 feet of hose, and was built by Albert Tolman & Co., of Worcester. This steamer and hose carriage are drawn by hire; the company when full, ten men.

## MEMBERS.

	Names.	Age.	Residence.	No. of Badge.
Foreman,	Geo. W. Dickinson,	34.	Cambridge street,	36.
Asst. "	Fred. A. Thomas,	36.	Tirrell street,	37.
Clerk,	L. A. Whitcomb,	38.	Main street,	38.
Engineer,	Chas. S. Bottomly,	42.	Lovell street,	39.
Asst. "	John Jaques,	34.	Webster street,	40.
	Joseph Bruso, Jr.,	35.	Leicester street,	41.
	Oney Dickinson,	24.	" "	42.
	Wm. B. Chapin,	28.	Newton street,	44.
	Wm. Hoyle,	51.	Webster street,	4.
	Frank L. Jenks,	30.	Mill street,	43.

## HOSE COMPANIES.

## ALERT HOSE, No. 1.

Located on School street. This is a four-wheeled hand hose carriage, built by Albert Tolman & Co., of this city, in 1856, one of the first four-wheeled hose carriages used in the city. It was rebuilt in 1867, and is now in good condition, carrying 600 feet of hose. This carriage is drawn by hire; four men occupy beds in the house. Company allowed eight men.

## MEMBERS.

	Names.	Age.	Residence.	No. of Badge.
Foreman,	Henry E. Robbins,	29.	Thomas street,	46.
Asst. "	Charles Chew,	36.	Grove "	47.
Clerk,	Alva C. Newcomb,	25.	Thomas "	48.
	James W. Robbins,	28.	" "	55.
	Geo. L. Robbins,	23.	Main "	51.
	Alfred L. Barnes,	27.	Highland "	52.
	Willard C. Howe,	23.	Engine House,	54.
	Sabin L. Flagg,	30.	" "	53.



## OCEAN HOSE, No. 2.

House corner of Providence and Grafton streets. This company has a horse four-wheeled hose carriage and permanent driver, and carries 500 feet of hose and one portable fire extinguisher; four men sleep in the house. The company, when full, nine men, including the driver.

## MEMBERS.

	Names.	Age.	Residence.	No. of Badge.
Foreman,	David Boland,	38.	Cherry street,	56.
Asst. "	J. H. Madden,	30.	Grafton street,	57.
Clerk,	R. O'Donnell,	33.	Ledge street,	58.
	Thos. Mara,	33.	" "	63.
	Wm. Garey,	38.	" "	60.
	John McSweeney,	30.	Engine House,	64.
	John O'Keefe,	28.	Fremont street,	59.
	James Keegan,	40.	Chandler street,	62.
	John McSweeney,	30.	Engine House,	64.
Permanent,	Geo. F. McKnight,	45.	" "	65.

## EAGLE HOSE, No. 3.

House on Carlton street. This is a four-wheeled hand carriage, and was built by Albert Tolman & Co., in 1863; carries 750 feet of hose, and is in good condition. This carriage is drawn by hire. Four men occupy beds in the house. Company allowed 8 men.

## MEMBERS.

	Names.	Age.	Residence.	No. of Badge.
Foreman,	James J. Lavene,	29.	Bartlett place	66.
Asst. "	Wm. E. Smith,	29.	Hose House,	67.
Clerk,	Henry A. Allen,	27.	Salem street,	68.
	Edward J. Fogerty,	36.	Vine street,	70.
	William Wheelock,	34.	Fulton street,	72.
	Maurice Hacker,	35.	Mechanic street,	71.
	A. F. Nealy,	24.	Harrison street,	74.
	Chas. E. Bullard,	30.	Hose House,	75.

## NIAGARA HOSE, No. 4.

Located on Exchange street. This company has a four-wheeled hand hose carriage, carrying 600 feet of hose, and was built by Albert Tolman & Co., of this city, in 1867, and is now in good condition. This carriage is drawn by hire. Four men sleep in the house. Company allowed 8 men.

## MEMBERS.

	Names.	Age.	Residence.	No. of Badge.
Foreman,	C. A. Humes,	30.	Thomas street,	76.
Asst. "	E. L. Fuller,	23.	Hose House,	77.
Clerk,	E. S. Crowell,	22.	" "	78.
	Geo. Jennison,	44.	Lynn street,	85.
	J. W. Woodward,	48.	Sudbury street,	81.
	J. C. Gilbert,	24.	Hose House,	80.
	S. T. Newton,	26.	Thomas street,	89.
	S. McCawlift,	21.	Hose House,	84.

## YANKEE HOSE, No. 5.

House on Myrtle street. This company has a four-wheeled hand hose carriage, built by Corbett & Willard, of this city, in 1874, and is one of the best carriages in the Department, it being very strong, and tasty in design. This carriage is drawn by hire. Company allowed 8 men. Four men occupy beds in the house.

## MEMBERS.

	Names.	Age.	Residence.	No. of Badge.
Foreman,	Joseph Bolio,	45.	Main street,	87.
Asst. "	Geo. H. Sawin,	31.	Southbridge street,	88.
Clerk,	Wm. E. Lewis,	29.	" "	89.
	A. T. Kittridge,	41.	Myrtle street,	92.
	John W. Burgess,	25.	Hose House,	93.
	Cliff O. Lamb,	23.	" "	94.
	Chas. M. Young,	24.	" "	35.
	Samuel F. Shepherd,	29.	" "	90.

## TIGER HOSE, No 6.

House on Pleasant street. This company has a four-wheeled horse hose carriage and a permanent driver. The carriage was built by the Amoskeag Manufacturing Company, of Manchester, N. H., in 1873. It carries 700 feet of hose, a portable Extinguisher, and is in good condition. Four men sleep in the house. Company when full, 9 men including driver. There is also in this house a Relief Hook and Ladder Truck, carrying 296 feet of ladders.

## MEMBERS.

	Names.	Age.	Residence.	No. of Badge.
Foreman,	George S Coleman,	38.	Clinton street,	97.
Asst. "	Geo. D. Ballou,	34.	Winslow street,	98.
Clerk,	R. L. Jewell,	34.	Engine House,	99.
	Geo. W. Smith,	25.	Pleasant street,	100.
	E. D. Burbank,	25.	Pleasant street,	101.
	Wm. Little,	21.	Engine House,	102.
	Fred. Smith,	20.	" "	103.
	John W. Morey,	28.	Pleasant street,	104.
Per. driver,	F. F. Burbank,	28.	Engine House,	105.

## PROTECTION HOSE, No. 7.

Located on Lamartine street. This company has a four-wheeled horse hose carriage and permanent driver. The carriage was built by the Amoskeag Manufacturing Company, of Manchester, N. H., in 1873; carries 800 feet of hose, a portable Extinguisher, and is in good condition. Three hosemen and the driver occupy beds in the house. Company when full, 9 men including driver. In this house is a Relief Steamer, which is in good condition.

## MEMBERS.

	Names.	Age.	Residence.	No of Badge.
Foreman,	Wm. J. Shaw,	22.	Engine House,	106.
Asst. "	Wm. A. Adams,	27.	" "	107.
Clerk,	John Madden,	31.	Ward street,	108.
	John H. Riley,	27.	Southbridge street,	109.
	S. T. Coe,	36.	Main street,	110.
	Wm. Mahar,	25.	Lodi street.	111.
	M. A. Brady,	39.	Lunnel street,	112.
	Timothy Comaford,	23.	Engine House,	113.
Permanent,	Timothy J. Sullivan,	26.	" "	114.

## INDEPENDENT HOSE COMPANY, No. 9.

OF COES SQUARE.

## MEMBERS.

Foreman,	S. A. Cushno,	John H. Tainter,
2d Foreman,	J. H. Kelley,	Aug. Simpson,
3d Foreman,	P. E. Kneeland,	H. R. Brown.
	E. Pontbraind,	John Whitty,
	John Kane,	C. Shardon,
	John Whalon,	Aug. Sharbono, Jr.
	Joe Oliver,	Frank Lobdell,
	D. P. Smith,	W. J. Eddy,
	Mike Kneeland,	A. B. Prouty,
	C. W. Hoadley	N. Whitty.
	T. J. Lobdell.	

## FIRE EXTINGUISHER.

## BABCOCK EXTINGUISHER, No. 1.

House on John street. This company is equipped with a self-acting fire engine, made by the New England Extinguisher Company, Northampton, Mass., in 1873. It was rebuilt in 1876, and arranged to be drawn by a horse. It is equipped with a horse and one permanent and three call men.

## MEMBERS.

	Names.	Age.	Residence.	No. of Badge.
Permanent Foreman and Driver,	{ William Flynn,	36.	Engine House,	146.
	Fred Livingstone,	21.	" "	148.
	J. F. Barton,	24.	Clinton street,	147.
	Fred. E. Keyes,	19.	Engine House,	149.

## HOOK AND LADDER COMPANIES.

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### J. W. LORING, HOOK AND LADDER No. 1.

LOCATED AT BIGELOW COURT.

This truck was built by Edward B. Leverich, of New York, in 1875. It is a patent iron trestle side truck with ladders on rollers and platform springs, and carries 365 feet of ladders, including one 75 feet extension ladder. Five men sleep in the house, including driver. Company when full, 17 men.

#### MEMBERS.

	Names.	Age.	Residence.	No. of Badge.
Foreman,	J. S. Perkins,	38.	Main street,	130.
Asst. "	Perry Bullard,	35.	Church street,	131.
Clerk,	Geo. H. Scott,	28.	Central street,	132.
	Geo. F. Lovell,	27.	Engine House,	133.
	W. H. Whitman,	33.	Robinson place,	134.
	A. A. Shepardson,	35.	School street,	135.
	J. H. Makepeace,	25.	Engine House,	136.
	H. M. Sorrell,	47.	Park street,	137.
	Albert Young,	34.	Wachusett street,	138.
	Geo. E. Phelps,	34.	Main street,	139.
	R. R. Burr,	30.	Front street,	140.
	E. L. Sibley,	31.	Ash street,	141.
	H. H. Blair,	22.	Front street,	142.
	A. Aldrich,	29.	Shelby street,	143.
	Chas. R. McCauliff,	23.	Engine House,	144.
	P. M. Church,	38.	Harrison street,	145.
	James E. Kennington,	27.	Engine House,	146.
Permanent,	A. A. Jones,	30.	" "	147.

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### GOOD WILL, HOOK AND LADDER No. 2.

This truck is located on Thomas street, and was built in 1841, and is now in good condition. It carries 195 feet of

ladders. This truck is drawn by hire. Company, when full, 12 men.

## MEMBERS.

	Names.	Age.	Residence.	No. of Badge.
Foreman,	Jeremiah Hennessy,	35.	Summer street,	148.
Asst. "	Jas. P. Murphy,	27.	Pink street,	149.
Clerk,	John P. Fay,	29.	Exchange street,	157.
	John Chaplin,	47.	Thomas street,	153.
	John Horgan;	43.	Mechanic street,	154.
	John O'Hern,	33.	Summer street,	152.
	James A. Herbert.	31.	Exchange street,	156.
	Thomas J. Fay,	20.	Green street,	159.
	Owen McGarrell,	39.	Mechanic street,	155.
	David McGrath,	34.	Temple street,	158.
	Maurice Mulcahy,	38.	Market street,	161.
	Wm. H. Chadwick,	35.	Main street,	159.

## INSURANCE FIRE PATROL.

This apparatus is located in Davis Court. Wagon was built by Abbott, Downing & Co., of Concord, N. H., in 1875. Drawn by two horses, carrying 30 covers and two Portable Fire Extinguishers. The company is sustained mostly by the fire underwriters; the City paying \$1,200 yearly toward their running expenses; the Company, when full, 8 men. Four permanent and 4 call men. This Company is stationed in the business centre.

## MEMBERS.

*Permanent.*

	Names.	Age.	Residence.
Captain,	Hiram Williamson,	34.	House.
	Frank W. Buxton,	27.	House.
	William Adams,	23.	House.
	William Yatter,	32.	House.

*Call Men.*

	Names.	Age.	Residence.
	James C. Luby,	36.	House.
	John Yatter,	29.	House.
	Harrison W. Johnson,	25.	House.
	Elbridge C. Kibbe,	26.	House.



INVENTORY OF PROPERTY IN POSSESSION OF ENTIRE  
DEPARTMENT, JANUARY 1, 1879.

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Steamer No. 1.	Half Engine house, lot, horses and equipments,	\$20,000 00
Steamer No. 2.	Engine house, lot, horses and equipments, . . .	18,500 00
Steamer No. 3.	Half Engine house, lot, horses and equipments, . . .	13,000 00
Steamer No. 4.	Engine house, lot and equipments, . . . . .	6,650 00
Hose No. 1.	Half Engine house, lot and equipments, . . . . .	6,250 00
Hose No. 2.	Engine house and equipments, . . . . .	800 00
Hose No. 3.	Engine house lot and equipments, . . . . .	5,300 00
Hose No. 4.	Engine house lot, and equipments, . . . . .	6,800 00
Hose No. 5.	Engine house, lot and equipments, . . . . .	7,200 00
Hose No. 6.	Engine house, lot, horse and equipments, . . . . .	15,100 00
Hose No. 7.	Engine house, lot, horse and equipments, . . . . .	18,000 00
Hose No. 8.	Equipments, . . . . .	600 00
Hose No. 9.	Equipments, . . . . .	450 00
Babcock Extinguisher.	Engine house, lot, horse and equipments,	9,000 00
Hook and Ladder No. 1.	Half Engine house, lot, horses and equipments,	15,000 00
Hook and Ladder No. 2.	Engine house, lot and equipments, . . . . .	7,800 00
Property in charge of Superintendent of Fire Alarm Telegraph,	. . . . .	33,000 00
Engineer's office and storerooms,	. . . . .	1,500 00
		<hr/> \$185,850 00

## RUNNING CARD.

No. of Box.	Steamer No. 1.	Steamer No. 2.	Steamer No. 3.	Steamer No. 4.	Hose Co. No. 1.	Hose Co. No. 2.	Hose Co. No. 3.	Hose Co. No. 4.	Hose Co. No. 5.	Hose Co. No. 6.	Hose Co. No. 7.	Hook & Ladder 1.	Hook & Ladder 2.	ENGINEERS.			
4	1	H	3	...	...	...	3	4	5	6	...	1	...	1	2	3	4
5	1	H	...	...	...	2	3	...	5	...	7	1	...	...	...	3	...
6	H	H	...	...	...	2	3	...	5	...	7	1	...	...	...	3	...
7	H	H	...	...	...	2	...	...	5	...	7	1	...	...	...	3	...
8	1	H	H	...	...	2	...	...	...	6	...	1	...	1	2	...	4
12	H	2	...	...	...	...	3	...	5	6	7	1	...	1	2	3	4
13	H	2	...	4	...	...	...	...	...	6	...	...	2	...	...	...	...
14	H	H	3	...	1	...	...	4	...	...	...	...	2	1	2	...	...
15	1	H	3	...	1	...	...	4	...	...	...	...	2	1	2	...	...
16	H	2	...	...	...	...	...	...	5	6	7	1	...	1	...	3	...
17	1	H	3	...	1	...	3	4	5	6	...	1	2	1	2	3	4
18	...	...	3	...	1	2	...	...	...	6	7	...	2	1	2	...	...
21	H	2	...	4	...	...	...	...	...	6	...	1	...	...	...	3	...
23	1	H	3	...	...	...	3	4	5	...	7	1	2	1	2	3	4
24	H	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
25	1	H	3	...	1	...	...	4	...	6	...	...	2	1	...	...	4
26	1	H	H	...	...	...	3	...	5	...	...	1	...	1	2	3	4
27	1	H	3	...	...	...	3	...	...	6	7	...	2	1	2	...	...
28	1	H	H	...	...	2	...	...	...	...	7	1	...	1	...	3	...
31	H	2	...	4	...	...	...	...	...	6	...	1	...	...	...	3	...
32	1	H	3	...	1	...	3	4	...	...	...	1	2	1	2	...	4
34	1	H	H	...	...	2	...	...	...	...	7	1	...	1	...	3	4
35	1	2	...	...	...	2	...	...	...	...	7	...	2	1	...	...	4
36	1	H	3	...	...	2	3	4	...	...	...	1	...	1	2	...	4
37	H	H	3	...	1	...	...	...	...	6	...	...	2	1	2	...	...
41	H	H	3	...	1	...	...	4	...	...	...	...	2	1	2	...	...
42	H	2	...	4	...	2	...	...	5	...	7	1	...	...	...	3	4
43	1	2	...	...	...	2	...	...	...	...	7	1	...	...	...	...	...
45	1	H	H	...	1	2	...	...	...	...	7	...	2	1	...	...	4
46	1	H	...	...	...	2	...	...	...	...	7	...	2	1	...	...	4
47	H	H	3	...	1	...	...	...	...	...	...	...	2	1	2	...	4
51	1	H	3	...	1	2	3	4	...	6	...	1	2	1	2	...	4
52	1	H	3	...	1	...	...	4	...	...	...	...	2	1	2	...	4
53	1	H	...	...	...	2	3	...	...	...	7	...	2	...	2	...	...
54	H	2	...	...	...	...	...	...	5	6	...	1	...	...	...	3	...
56	1	H	3	...	...	...	...	4	6	...	...	...	2	1	...	...	4
57	1	2	...	...	...	...	3	4	5	6	7	1	2	...	2	3	...
61	H	2	...	4	...	...	...	...	5	6	7	1	...	...	...	3	...
62	1	H	3	...	1	2	...	...	...	...	...	...	2	1	...	...	4
63	1	H	3	...	...	2	3	...	...	...	7	1	2	1	...	...	4
64	1	H	...	...	...	2	...	...	...	...	7	...	2	1	2	...	...
65	1	2	...	...	...	...	3	...	...	6	...	1	...	...	...	...	4
67	H	2	...	...	...	...	...	...	...	6	...	1	...	...	...	3	...
71	1	H	3	...	1	...	3	4	...	6	...	1	2	1	2	3	4
73	1	H	3	...	1	...	...	4	...	6	...	1	2	1	2	...	4
75	H	2	...	4	...	...	...	...	5	6	7	1	...	...	2	3	...
76	1	H	H	...	...	2	...	...	...	6	...	1	...	1	...	3	...
81	1	H	3	...	...	...	...	...	...	6	...	...	2	1	2	...	...

# WORCESTER FIRE DEPARTMENT.

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## CHIEF ENGINEER'S OFFICE.

### OFFICE HOURS:

DAILY—9 TO 10 A. M., 2 TO 3 P. M.

1. The Companies are ordered to go to alarms of fire given from boxes as indicated in the annexed table.

2. The Chief Engineer, Insurance Fire Patrol, and Babcock Extinguisher No. 1, will answer alarms to all boxes.

3. Upon an alarm, all Companies not called to that box will report to their Engine house and remain thirty minutes, unless dismissed by the signal on the bells.

4. Drivers, with their horses, will report the same as other members of the Department. Hose carriages to go in advance of Steamers to which they belong, in all cases.

5. After an alarm has been given, one stroke on the bells will call for the Hook and Ladder remaining in the house.

6. When a first alarm of fire is given, all Companies not responding will be governed by telegraphic signals, viz.: Two blows upon the engine house gongs and alarm bells will be understood as proclaiming the fire extinguished, and the Companies in attendance at liberty to answer other alarms. Three strokes constitute a general alarm, and all Companies will report immediately. After a first alarm is given, and before the re-call signal is struck, should an alarm be given from another box, all unemployed first and second alarm Companies will respond. Should another alarm be given from yet another box, previous to the re-call signal being given, all unemployed Companies will respond.

S. E. COMBS, *Chief Engineer*,

OFFICE, No. 80 FRONT ST.

Worcester, October, 1879.

# RULES AND REGULATIONS

FOR THE GOVERNMENT OF THE

## Worcester Fire Department.

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ENGINEER'S OFFICE,  
WORCESTER, January 25th, 1880. }

ARTICLE 1. Any Engine or Hose Company arriving at a fire, and finding an incomplete line of hose laid out from any steamer or hydrant, shall attach to and lengthen out such line until the fire is reached ; and in all cases the Company reaching the fire with their hose are entitled to the pipe.

ARTICLE 2. Any member of the Department who wilfully and maliciously turns a stream of water, or directs or causes it to be done, on any person or persons, shall be liable to be dismissed from the service. No charge will be entertained against any member of the Department unless such charge be made in writing within five days after the act complained of shall have been committed.

ARTICLE 3. Each Driver shall give his entire time to the interests of his Department, and shall always be at or near the engine house where his machine is kept except when directed by the Chief Engineer to perform other duty, or when allowed to be absent from said house by the Chief Engineer.

ARTICLE 4. All Drivers are strictly forbidden to run their horses to fires ; under penalty of expulsion ; and they are required to use all due caution, and not drive over a line of hose if it can be avoided.

ARTICLE 5. The several companies will run on first and second alarms of fire, in accordance with tables, from time to time issued by the Board of Engineers.

ARTICLE 6. Each Company, in cases where their apparatus do not respond to the first alarm, shall assemble at their respective stations, and wait thirty minutes before calling the roll. Should the re-call be sounded within thirty minutes, the roll shall not be called in less than twenty minutes from the first alarm.

ARTICLE 7. All horses in good health must be exercised at least one-half hour every day, except on Sundays or in inclement weather, in the immediate vicinity of the engine house, at no time proceeding faster than a walk, and if in cold weather they shall be blanketed. The hours of exercise shall be from 9 to 10 A. M. Days when the horses are worked on the streets, and in case of fire in the morning, such exercise will be omitted. The drivers shall in no case take their horses beyond calling distance from their respective houses.

ARTICLE 8. No profane or ungentlemanly language, or disorderly conduct, will be allowed on the part of any member of the Department, when on duty, under penalty of suspension or dismissal ; and the citizens will be treated by the members in a civil and gentlemanly manner at all times.

ARTICLE 9. The hose must be changed on the reel at least once in three weeks, for which purpose the Foreman will warn the Steward having charge of the same, and if the Steward neglects to change it, the Foreman shall cause it to be done at the expense of the Steward.

ARTICLE 10. It shall be the duty of the Foreman to see that the apparatus, and buildings in which the same are deposited, and all things in or belonging to the same, are kept neat and clean, and in order for immediate use ; and to see that the house is closed at or before 10 o'clock P. M.

ARTICLE 11. No fireman shall sleep in any engine house, or hook and ladder house, without the consent of the Chief Engineer or one of his Assistant Engineers, and in no case will permission be given to persons not members of the Department to use or occupy beds in the engine, hose, or hook and ladder houses.

ARTICLE 12. The occupant of each bed will be held responsible for the cleanliness of the same, and will be held strictly accountable for any damage to either bed or bed clothing through carelessness. After retiring, the occupants will refrain from loud talking, or in any manner disturbing the rest of others, and any member retiring in a state of intoxication shall be reported to the Chief Engineer, whose duty it shall be to recommend such persons for discharge from the Department.

ARTICLE 13. If a charge of intoxication be preferred and proven against any officer or member of the Department, he shall be reprimanded, suspended or discharged, at the discretion of the Board of Engineers, and it shall be the duty of any member of the Department to report any member violating this rule to the Chief Engineer.

ARTICLE 14. No officer or permanent member shall leave the city without first notifying the Chief Engineer, and procuring a substitute to his acceptance ; and every other member expecting to be absent twenty-four hours or more, shall be required to procure a substitute to the approval of his foreman, failing to do which, he shall forfeit one month's pay. No member shall be allowed a substitute except in case of sickness or absence from the city, and in no instance for a longer period than one month, except in case of sickness.

ARTICLE 15. No Company will be allowed to take their apparatus away from the engine house, except in case of fire, without the consent of the Chief Engineer.

ARTICLE 16. If, by accident or otherwise, the property of any person in the city is damaged by any Company, it shall be the duty of the officer of said Company causing such damage to report the same immediately to the Chief Engineer.

ARTICLE 17. Hose drivers must not permit persons not connected with the Department to ride upon the hose carriage, and not more than two hosemen will be permitted to ride to a fire, the pipemen in all cases to have the preference, and in muddy weather, or heavy wheeling, the driver must not permit any one to ride on the carriage when returning from fires.

ARTICLE 18. Any Driver in the Department who carelessly or wilfully comes in collision with a vehicle of any kind, while going to or returning from a fire alarm, shall be held responsible for all damages that may occur.

ARTICLE 19. The Foreman or person in command of each Company when in ser-



vice, shall remain by his company or apparatus of which he has charge, to direct its operations, and all members of the several companies, except when otherwise engaged on special duty, will remain at or about the apparatus to which they are attached; he will also see that the hose is well guarded.

ARTICLE 20. All members arriving early at fires, will assist the first apparatus in getting to work (or until the arrival of their own machine), and no person, other than an Engineer or Officer of the Company, will be allowed to give any orders when the Foreman is present.

ARTICLE 21. No buildings used by any Company in the Fire Department, shall be opened or occupied on Sunday, except in case of alarm of fire. This rule shall not be construed, however, to prevent employes and those detailed to sleep in the house from occupying them, but the doors of said houses must be kept closed on the Sabbath.

ARTICLE 22. No balls, parties or social gatherings of any description, shall be held in any building used by the Fire Department, without the consent of the Chief Engineer.

ARTICLE 23. No subscription papers or books shall be circulated under the auspices of any Company, for the purpose of soliciting money from citizens, without the consent of the Board of Engineers.

ARTICLE 24. When a first alarm of fire is given, all companies not responding will be governed by telegraphic signals, viz: two blows upon the engine house gongs and alarm bells, will be understood as proclaiming the fire extinguished, and the Companies in attendance at liberty to answer other alarms. Three strokes will constitute a general alarm, and all companies will report immediately. After a first alarm is given, and before the re-call signal is struck, should an alarm be given from another box, all unemployed first and second alarm Companies will respond. Should another alarm be given from yet another box, previous to the re-call signal being given, all unemployed Companies will respond.

ARTICLE 25. Any violation of these rules and regulations by any member of the Department, will be deemed good cause for his discharge.

Per order of the Board of Engineers,

SIMON E. COMBS, *Chief.*

SAM'L H. DAY, *Clerk.*

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*In Board of Aldermen, February 15, 1875.*

Approved by the Board.

Attest,

SAMUEL SMITH, *City Clerk.*

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Approved February 16, 1875.

CLARK JILLSON, *Mayor.*

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A Copy,

Attest,

SAMUEL SMITH, *City Clerk.*



# Worcester Fire Alarm Telegraph.

ESTABLISHED 1871.

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## NUMBER AND LOCATION OF BOXES.

No. 4. *City Hall.* Key—Police Station.

No. 5. *Trumbull Square.* Keys—Drug Store, 50 Trumbull; Kendrick's stable, Franklin Street; 121 Park Street.

No. 6. *Orange Street, opposite Plymouth.* Key—Corner Orange and Plymouth Streets; 74 Orange Street; 41 Plymouth Street.

No. 7. *Engine House, Lamartine Street.* Keys—Engine House, Lamartine Street; and 42 Lamartine Street.

No. 8. *Corner of Chatham and Oxford Streets.* Keys—37 Irving Street; 53 Chatham Street; 40 Chatham Street.

No. 12. *Corner Main and Chandler Streets.* Keys—638 Main Street, Continental Hotel; 34 Chandler Street.

No. 13. *New Worcester.* Hoppin's Store. Keys—A. G. Coes' Counting Room; W. A. Tracey's; Hoppin's Store; Stockwell & Barrows' Store; Loring Coes' Counting Room; 10 Webster Street; 1059 Main Street.

No. 14. *Engine House, School Street.* Keys—17 School Street; 73 School Street; Engine House, School Street.

No. 15. *Corner Grove and North Streets.* Keys—187 and 157 Grove Street; 1 North Street; 188 Prescott Street.

No. 16. *Southbridge Street.* Sargent Card Shop. Keys—Sargent's Counting Room; Junction Shop Engine Room; Railroad Depot.

No. 17. *Corner Main and Foster Streets.* Keys—359 Main Street; Lincoln and Waldo Houses.

No. 18. *Corner Catherine and Lincoln Streets.* Keys—109 Lincoln Street; 108 Lincoln Street; 118 Lincoln Street.

No. 21. *Corner Main and May Streets.* Keys—842 Main Street; 9 May Street; 7 Hammond Street.

No. 23. *Corner Union and Manchester Streets.* Keys—Rice, Barton & Fales' Office; C. Baker & Co.'s Office; Engine House, Bigelow Court.

No. 24. *Southbridge Street.* Chandler & Carr's Store. Keys—Chandler & Carr's Store; Adriatic Counting Room; Drug Store, 468 Southbridge Street.

No. 25. *Salisbury Street.* Keys—Witherby, Rugg & Richardson's Counting Room; 26 and 20 Salisbury Street; 56 Salisbury Street.

No. 26. *Corner Portland and Madison Streets.* Keys—96 Portland and 104 Southbridge Street.

No. 27. *Corner Pleasant and West Streets.* Keys—4 West Street; 143 Pleasant Street.

No. 28. *Corner Millbury and Worth Streets.* Keys—62, 63, 64 and 109 Millbury Street.

No. 31. *Corner Main and Richards Streets, opposite Beaver.* Keys—7 Beaver Street; 978 Main Street.

No. 32. *Corner Exchange and Union Streets.* Keys—D. W. Pond's Shop; Merri-field's Engine Room, 78 Exchange Street.

No. 34. *Green Street.* Fox's Mill. Keys—At the Counting Room; Crompton's Loom Works; 6 Vernon Street; 27 Millbury Street.

No. 35. *Corner of Winthrop and Vernon Streets.* Key—49, 63 and 65 Vernon Street.

No. 36. *Corner Front and Spring Streets.* Keys—134 Front Street; Waverly House, Front Street; 9 Trumbull Street.

No. 37. *Corner Highland and North Ashland Streets.* Key—55 Highland Street; 64 North Ashland Street.

No. 41. *Corner Thomas and Summer Streets.* Keys—Drug store, 93 Summer Street; 1 Prospect Street; 117 Thomas Street; 92 Thomas Street.

No. 42. *Corner Cambridge and Southbridge Streets.* Keys—Crompton's Carpet Mill; 502 and 513 Southbridge Street.

No. 43. *Quinsigamond Wire Mill.* Keys—Wire Works; Benj. Booth's house.

No. 45. *Corner Shrewsbury and Pine Streets.* Keys—102, 114, and 199 Shrewsbury Street.

No. 46. *Grafton Street.* Keys—Earle's Counting Room; Office, Rolling Mill; Washburn's Foundry; Engine House, Grafton Street.

No. 47. *Corner Belmont Street and Oak Avenue.* Key—60 Belmont Street; 18 Oak Avenue; 30 Liberty Street.

No. 51. *Lincoln Square.* Salisbury Block. Keys—11 Main Street; 16 Lincoln Square; Exchange Hotel.

No. 52. *Prescott Street.* A. P. Richardson's Shop. Keys—At Counting Room; Ames Plow Co.'s Office; 16 Prescott Street.

No. 53. *Corner Providence and Harrison Streets.* Keys—Worcester Academy. 56, 57, and 76 Providence Street.

No. 54. *Corner Austin and Newbury Streets.* Keys—Grocery store, corner Austin and Newbury Street; 111 and 130 Austin Street.

No. 56. *Corner William and Chestnut Streets.* Keys—33 Chestnut Street; Engine House, John Street; 1 Harvard Street.

No. 57. *Hermon Street.* Taylor & Farley's Shop. Keys—Taylor & Farley's; J. S. Wheeler & Co.'s; Drug Store, 725 Main Street.

No. 61. *Gardner Street.* Forehand & Wadsworth's Shop. Keys—At Office; Store, Canterbury Street; 4 Hollis Street; 71 Southgate Street; 29 Wyman Street.

No. 62. *Corner Laurel and Edward Streets.* Keys—J. D. Baker's Stable; corner Laurel and Edward Streets; 41 Edward Street.

No. 63. *Washington Square.* Wetherbee's Store. Keys—Union Station; Arcade Foundry; 295 Front Street.

No. 64. *Corner Grafton and Barclay Streets.* Keys—143 Grafton Street; 153 Grafton Street; L. Stowe & Co.'s Boot Shop.

No. 65. *Elm Street, opposite Linden.* Keys—22 and 46 Elm Street.

No. 67. *Engine House, Pleasant Street.* Keys—240 Pleasant Street; 4 Winslow Street; Engine House.

No. 71. *Corner Main and Central Streets.* Keys—Harrington Bros. Stable Central Street; W. S. Green's Stable, Central Street; 265 and 249 Main Street; Bay State House.

No. 73. Washburn & Moen Manufacturing Co.

No. 75. *Corner of Woodland and May Streets.* Keys—30, 32 and 37 May Street.  
81 Woodland Street.

No. 76. *Corner William and West Streets.* Keys—30 West and 48 William Streets.

No. 81. Telephone, City Farm.

INSTRUCTIONS TO KEY-HOLDERS.

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1. Alarms should be given from the box nearest the location of the fire.
2. Upon the discovery or *positive* information of a fire, you will unlock the box, pull down the slide or hook, *once* only, and let go. This gives the desired alarm all over the city, repeating itself four times.
3. Each box contains a small bell, which, if heard before you pull the hook, indicates that the alarm has been previously given from another box; in such cases *do not* pull the hook until you are sure the alarm has been completed.
4. Never signal for a fire seen at a distance; never touch the hook except to give an alarm of fire. Give an alarm for no cause other than an actual fire. Be sure and *close the door* on leaving the box.
5. For a fire near box 4, the bells will be struck four times, two and one-half seconds apart; then, after a pause of twenty seconds, four times again, and so on. For a fire near box 45, the bells give four strokes (for the tens), and after a pause of seven seconds, five strokes, to be repeated at intervals of twenty seconds.
6. Never pull the hook twice for the same fire; if a second alarm is necessary, an engineer will give it.
7. Never let the key go out of your possession unless called for by the Chief Engineer. If you change your residence or place of business where the key is kept, return it to this office.

OFFICE NO. 80 FRONT STREET. *Office hours, from 9 to 10 A. M., from 2 to 3 P. M*

# R E P O R T

## O F

# CITY MARSHAL.

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*To His Honor the Mayor, and the City Council of the City of  
Worcester :*

### ANNUAL REPORT.

In presenting this, my sixth annual report, your honorable body will find a complete summary of such matters as are deemed of public interest, and usually prepared for publication in the annual reports of police departments.

I purpose to give you a detailed account of the business done, and by whom done ; also a tabular statement of the receipts and expenditures, together with such remarks and suggestions as seem to me proper.

The whole number of arrests for the year have been one thousand seven hundred and three (1703), for the following offences, viz :

Assault and battery,	126	Common drunkard,	39
Assault with weapon,	13	Capias,	12
Adultery,	10	Common nuisance,	6
Assault on officer,	7	Cruelty to horse,	6
Attempt at arson,	2	Common railer and brawler,	5
Attempt to commit suicide,	1	Coasting in public streets,	5
Attempt to commit rape,	1	Common night walker,	2
Breaking and entering and larceny,	19	Contempt of court,	2
Burglary,	11	Charging excessive hack-fare,	1
Breaking glass,	8	Drunkenness,	751
Bastardy,	6	“ 2d offence,	115
Bathing in view of public streets,	2	Disturbing the peace,	3

Doing business on Lord's Day,	11	Murder,	2
Driving away team,	6	Mayhem,	1
Defrauding boarding house,	5	Neglect to remove snow from side-	
Disturbing religious meetings,	3	walks,	31
Disturbing public school,	3	Neglect of family,	5
Delirium tremens,	2	Obtaining goods by false pretense,	6
Discharging fire-arms in street,	1	Open shop, Sunday,	4
Disorderly conduct,	1	Pasturing cows in street,	2
Embezzlement,	4	Peddling without license,	1
Fornication,	10	Run away from home,	9
Forgery,	2	Run away from reform school,	6
Gaming Sunday,	7	Receiving stolen goods,	6
Hitching horses to shade trees,	4	Refusing railroad fare,	2
Horse stealing,	4	Run away from State Industrial School,	1
Highway robbery,	1	Stubborn and disobedient,	9
Insane persons cared for,	26	Suspicious persons,	6
Injuring gravestones,	4	Selling liquor to minors,	2
Interfering with officers,	3	Selling mortgaged property,	1
Idle and disorderly persons,	2	Surrendered by bail,	1
Indecent assault,	1	Sturdy beggar,	1
Indecent exposure of person,	1	Selling fire-works without license,	1
Keeping liquor,	62	Selling leased property,	1
Keeping unlicensed dog,	18	Truants,	14
Keeping noisy and disorderly house,	2	Throwing stones in street,	7
Keeping house of ill-fame,	2	Threatening,	6
Larceny (simple),	110	Trespass,	2
Larceny in building,	9	Trespass of Fowls,	1
Lewdness,	5	Using indecent language in public street,	4
Larceny from person,	3	Vagrancy,	63
Malicious mischief,	10		—
Manslaughter,	3		1703

The nations represented in the above are :

Irish,	993	Italians,	10
American,	444	Swedes,	9
Canadians,	132	American (British),	4
English,	40	Norwegian,	1
Germans,	29		—
American (colored),	27		1703
Scotch,	14		

Classed as follows, viz. :

Males,	1485	Residents,	1261
Females,	218	Non-residents,	442
Americans,	475	Adults,	1431
Foreigners,	1228	Minors,	302

Of this number there has been committed to the House of Correction, and other reformatory institutions, 693.



The number of persons accommodated with food and lodgings at the station-house during the year has been 3092, as follows, viz:

Males,	3056	Foreigners,	1920
Females,	36	Adults,	2639
Americans,	1180	Minors,	393

Making a total of prisoners and lodgers, 4795

### MISCELLANEOUS DUTIES, ETC.

Owing to a want of interest, necessary to give us the credit of what is done under this heading, but a small portion of the work has been recorded. Here is shown the needs of a Day Captain, to act in conjunction with the Night Captain, and also a Clerk of Police, as matters that are *every* one's business, usually turn out to be *no* one's business. Books are, or should be, kept for this special purpose, and reports made morning and evening of what has been done. Also, records should be kept of all losses, whether by robbery or otherwise, and all complaints made by our citizens, of whatever nature.

For these, and other similar reasons, I would most emphatically urge upon your honorable body, the necessity of appointing one or both these officials, the remarks made by me in a former report to the contrary, notwithstanding. Time and circumstances have altered this case very materially.

The duties of Captains of Police are laid down in our "Rules and Regulations," as follows: "It shall be the duties of the Captains of Police, to cause the Laws and Ordinances of the City to be enforced, under the directions of the City Marshal; to see that the Station House, and all property of the department are kept in perfect order and condition, and that discipline is maintained, order enforced, and the rules and regulations governing the department lived up to, and the duties imposed upon the patrolmen promptly performed. They shall attend to the several roll-calls at the times designated by the Marshal, and shall report to him in writing, as often as he shall direct, the condition of the department, the business performed, including

all arrests made, miscellaneous duties, etc., and any breach of discipline, or conduct unbecoming an officer. They shall, when required by the Marshal, visit any or all the "beats" covered by the patrolman, to see that the patrol are vigilant, and shall report any delinquency, or violation of the rules and regulations governing the department, etc., etc.

Captain Atkinson, of the night force, has attended to his part of these duties faithfully and intelligently, but as he is here but nine hours out of the twenty-four, but one report can be made to him.

### EXPENSES.

The gross expenses of the department for the entire year, has been forty-seven thousand three hundred and eighty-nine dollars and sixty-seven cents (\$47,389.67), itemized as follows:

Salary of Marshal, . . . . .	\$1,600 00
"    " Assistant Marshals, . . . . .	2,400 00
Pay roll of Police, . . . . .	41,277 24
"    Special Police, N. E. Fair, . . . . .	289 00
Alzirus Brown, keeping horses, . . . . .	870 00
Cloth, badges and buttons, . . . . .	515 11
Blank books, printing, advertising, etc., . . . . .	116 63
W. Ansel Washburn, sundries, as per bill in Auditor's office, . . . . .	77 41
H. A. Bowman, lounges and curtains, . . . . .	46 90
L. A. Hastings, saddle, blankets and repairs, . . . . .	45 30
C. A. Ramsdell, balance on horse, . . . . .	40 00
J. J. Tower, belts and billies, . . . . .	37 80
Division No. 42, oil, soap, matches, etc., . . . . .	13 53
M. T. Carter, photographing rogues, . . . . .	12 25
Brace & Lathrop, bug poison, . . . . .	10 00
J. W. Jordan, tin cups, . . . . .	9 60
Mrs. John Butler, washing, . . . . .	8 31
C. Foster & Co., handcuffs, . . . . .	8 00
H. R. Cummings, police roster, . . . . .	4 84
J. B. Brooks, sawdust, . . . . .	2 05
City Engineer's office, . . . . .	1 75
Harrington Bros., hacking, . . . . .	1 50
D. A. A. Buck, repairing clock, . . . . .	1 50
C. A. Cummings, repairing lock, . . . . .	95
Total, . . . . .	\$47,389 67

### EARNINGS AND RECEIPTS.

The receipts and earnings of the department, for the same

time, amounts to forty-seven thousand two hundred and eleven dollars and eight cents, as follows, viz :

Appropriation,	\$42,000 00
Received from Central District Court (fees for 1878),	4,857 82
“ For police cloth,	330 06
“ For extra services of officers,	20 00
“ For articles sold,	3 20
Total,	\$47,211 08
Making net cost of the department, over and above earnings,	\$42,178 59

The earnings of the officers, at the Central District Court, for the present year, amounts to four thousand five hundred and forty-one dollars and fifty cents (\$4,541.50), no part of which has been received, but will become a revenue for 1880.

A much better exhibit of our earnings could be made, were we allowed for extra work, such as details for the theatre, ball-games, circuses, and other places of amusements and entertainments.

Formerly it was the custom to credit this department with the earnings of the officers at such places, but latterly, for some unknown reason, this has been abandoned, and this amount credited to other accounts, which cuts us short of our just dues. The money paid for licenses for all exhibitions, entertainments, etc., (except a nominal sum) is mainly for police services, and as I have before suggested, I think the issuing of these licenses, also for dogs, hacks, and job wagons, etc., should be done from this office. These are matters in which the police are directly interested, and nearly all are referred to them for information.

I am aware that it makes no difference, so far as the fees are concerned, as in either case the money goes into the same general pocket, but to the end that this department may have the credit of its own earnings, I would respectfully ask that such an order be passed.

#### THE LICENSE LAW.

The license question seems to be one that can never be dropped, or one that will ever settle itself into a condition in which there is nothing new or interesting. During the past

year there has been something of an improvement in the arrangement of this business, principally on account of the restrictions placed upon the number of licenses granted, and the character of the places being made a matter of consideration. There is yet room for further improvement, and will be until this class of licenses are handled the same as any other, and applications for such positively refused, when the parties live under the same roof with their business.

The officers detailed and appointed for this particular business, have attended to the duties assigned them with fidelity; but the result of the arrests have not been such as to prevent a repetition of the offences, but on the contrary, rather, stimulated them to greater exertions. So long as the unlicensed places continue to thrive, and make their business pecuniarily profitable, they will be very likely to exist, police officers to the contrary, notwithstanding.

I can see no reason why, in case of a violation of the conditions of the license, the same should not be forfeited, and the "bonds" presented for payment. The provisions that such bonds shall be given by licensees, either means something or nothing. If it means anything, the failure to enforce it, also becomes criminal.

I believe in the license law, and in having it enforced, and its provisions strictly guarded; yet guards are of but little avail unless maintained. So much has been said in my former reports upon this subject, that I will not dwell further upon it here. So far as this department is concerned, I can point with a degree of pride to the efforts made to control the business.

I have caused to be brought before the courts during the year, seventy-three cases, under various headings, and also have caused fifty-six search and seizure warrants to be served, with gratifying results.

As a result of our search and seizures, there has been seized and delivered to the "Chief of the District," at Boston, four hundred and sixty-five and one-half gallons of beer and liquors, and the vessels containing them.

On the 8th of July last, I received from the City Clerk, the following order :

"CITY OF WORCESTER,

In Board of Aldermen, July 7, 1879.

*Ordered* : That the City Marshal be, and is hereby ordered to investigate the condition of the legal and illegal sale of Intoxicating Liquors and Beer in the city: taking the printed list of applications for liquor licenses for a basis, and report to this Board at its next regular meeting, whether any persons who have been granted licenses, are violating the same; if any such, who they are. Also, whether liquor is sold by any of the persons whose names appear on said list, who were not granted a liquor license. Also, whether the traffic is carried on at any of the places named in said list, by any other person than the applicants. Also, any other information relating to said traffic.

Approved July 8, 1879.

CHARLES B. PRATT, *Mayor*.

A Copy. Attest, E. H. TOWNE, *City Clerk*."

In obedience to the foregoing order, I reported upon two hundred and fifty places (being the entire number of applications), on the 8th of the following September. This report is now on file in the City Clerk's office, but is too voluminous to re-produce here.

#### GENERAL BUSINESS.

There has been served, during the year, one thousand five hundred and fourteen warrants, irrespective of the search and seizure warrants; also forty-eight served where the criminals have been delivered to other officers.

There has been seventeen hundred and seventy days' attendance of officers before the Central District Court, and six hundred and eighty-three persons committed to the House of Correction and Jail, fourteen to the State Reformatory prison, and six to the State Work House at Bridgewater.

The court has in these cases imposed fines and costs, amounting to more than seventeen thousand dollars, and passed sentences aggregating eighty-four years and two months. Of this number, one hundred and sixty-eight appealed from the decisions of this court, some of which withdrew their appeals, after having been committed to jail.

We have also furnished sixty-one cases for the grand jury's consideration, and cared for twenty-nine insane persons, either by committing them to the Lunatic Hospital, or restoring them to their friends.



Eighty-six "juvenile offenders" have been brought before the courts, five only of which, have been committed to the Reform School, and one to the State Industrial School.

Thirty-one prisoners have been discharged from their arrest, without complaint, for what I considered good and sufficient reasons.

Twenty-six alarms of fire have been attended by one hundred and forty-one officers, under the immediate charge of Assistant Marshal Hadley.

Twelve hundred and six days of extra duties have been done, in way of details, for general police business, ball games, and other places of amusements.

Four hundred and forty officers have attended the ball games, and walking matches during the year, also one hundred and seventy-three for public escorts, and one hundred and twenty-one at circuses, for all of which *no* compensation has been received.

The details for the theatres have been made from the day force, *after* their regular day's work, and is not included in the above.

These, with the details made for the "poor children's excursions," and other gatherings at the Lake, at private parties, ward rooms, etc., etc., have made calls upon us, which, those who give the matter but little attention, can hardly realize. I will here state, that in addition to that already enumerated, we have received ninety-three telegrams, and forwarded ninety to the police authorities of other cities and towns, besides a large amount of lesser importance, but all of which goes to show the "thousand and one" ways in which a policeman's time is employed.

The mounted police, which has been in force for three years, has done much good service, and on many occasions have been of great value, and have saved many extra details. A sense of security has been felt by parties living in the suburbs, and could we have the proper number of men for night work, I do not think our citizens would readily consent to dispense with it. But, considering the greater need of police protection through the night (although it cannot be denied but it is needed through



the day), I think the extra expense of maintaining the mounted force, would pay better in ordinary patrol.

We are also in need of two more Station Houses, but the want has so often been expressed before, that this allusion is all I will make here. Perhaps some may say, well, we have got along so far all right, and it *may* be all right to continue in the same way, but I do not believe it safe, or best, to trust too much to luck. After the "horse has been stolen, we shall make all haste to securely fasten the stable door." I think the interests of the City are best served, when precautions are taken to prevent crime, and not trust to the uncertainties of catching the criminals, and the still greater uncertainties of convicting them, or *keeping* them in confinement, after conviction.

The force, in its present condition, consists of 50 men (with the addition of three special officers, who have been detailed for regular duty during a portion of the year), to wit :

One City Marshal.

Two Assistant Marshals.

One Captain (night).

One Detective.

One Roundsman.

Two office men (day and night, one each.)

One Special License officer.

Forty-one patrolmen.

#### CONCLUSION.

In concluding this report, I would respectfully suggest the propriety of having, on the part of the Board of Mayor and Aldermen, a "Committee on Police." We have a special committee upon every other branch of the city government, and yet here is a department, of no small importance, expending, annually, about \$50,000, and whose receipts and earnings are from \$5,000 to \$10,000, and no one but ourselves directly interested, or held responsible for our good or bad stewardship. There are very many occasions during the year, when the actions of such a committee would be of vital importance, and, to the end that our body may have the same care and delibera-

tion that are accorded to others, I trust that this subject may receive your favorable consideration.

To his Honor the Mayor, and the Board of Aldermen, I would especially render my thanks for kindly considerations, and to the officials of the Central District Court, I am, as in years past, under lasting obligations for advice and support, so freely given.

To the heads of the various departments of the City Government, and more particularly the Fire, Highway, and Health Departments, with whom I have been brought in closer relation than any other, I would tender my sincere thanks, for kindness shown and services rendered. And to all who have stood by us, in years that are past, I assure you that your encouraging words and tokens of approval are appreciated, and trust that our endeavors have met with your approval.

To the rank and file of this department, I can only say that, almost to a man, each has striven for the general welfare of the whole, and trusting that in years that are to come, *every* man who may be connected with this force may feel that it is an honorable position to hold, and so demean himself that not only he, but all others, may feel that it is highly creditable to belong to the "Worcester Police Department."

Respectfully submitted,

W. ANSEL WASHBURN,

*City Marshal.*



# APPENDIX.

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## GOVERNMENT AND OFFICERS

OF THE  
CITY OF WORCESTER,  
FOR 1880.

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MAYOR.  
FRANK H. KELLEY.

ALDERMEN.  
Ward 1.—SENECA M. RICHARDSON.  
“ 2.—\*CHARLES G. REED.  
“ 3.—GEORGE P. KENDRICK.  
“ 4.—\*CHARLES C. HOUGHTON.  
“ 5.—STEPHEN SAWYER.  
“ 6.—\*MOWRY A. LAPHAM.  
“ 7.—GEORGE F. HEWETT.  
“ 8.—\*HENRY A. MARSH.

CITY CLERK AND CLERK OF THE BOARD OF ALDERMEN.  
ENOCH H. TOWNE,  
Office, No. 2 City Hall ; Residence, 23 Clinton Street.

CITY MESSENGER.  
CHARLES MARVIN,  
Office, No. 1 City Hall ; Residence, 1 Clinton Street.

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Aldermen and Councilmen marked \* elected for two years.

## COMMON COUNCIL.

*President.*—OLIVER P. SHATTUCK.*Clerk.*—S. HAMILTON COE.

Ward 1.—\*J. Lewis Ellsworth,  
 \*Albert S. Brown,  
 William S. Clark.

Ward 5.—\*Thomas Daniels,  
 \*Benjamin Booth,  
 Patrick J. Quinn.

Ward 2.—\*Oliver P. Shattuck,  
 George A. Barnard,  
 Samuel A. Porter.

Ward 6.—\*Samuel C. Andrews,  
 Loring Coes,  
 Samuel Mawhinney.

Ward 3.—\*Daniel J. Savage,  
 \*James B. McMahon,  
 Andrew Athy,

Ward 7.—\*Geo. E. Batchelder,  
 \*Granville A. Longley,  
 Hiram Fobes.

Ward 4.—\*James J. Tierney,  
 Francis Plunkett,  
 John J. White.

Ward 8.—\*Frank E. Lancaster,  
 Thomas Talbot,  
 Frederick W. Ward.

## JOINT STANDING COMMITTEES FOR 1880.

*On Finance.*—The Mayor, Aldermen Marsh and Sawyer; the President of the Council, and councilmen Porter, Ward and Athy.

*On Accounts.*—Aldermen Marsh and Houghton; and Councilmen Andrews, Savage and Ellsworth.

*On Claims.*—The Mayor, Aldermen Marsh and Richardson; the President of the Council, and Councilmen Porter, Plunkett and Clark.

*On Water.*—The Mayor, Aldermen Lapham and Reed; the President of the Council, and Councilmen Athy, Talbot and Brown.

*On Sewers.*—The Mayor, Aldermen Sawyer and Hewett; the President of the Council, and Councilmen Coes, Lancaster and Quinn.

*On Fire Department.*—Aldermen Lapham and Reed; and Councilmen Porter, White and Booth.

*On Education.*—The Mayor, Aldermen Marsh and Reed; the President of the Council, and Councilmen Brown, White and Andrews.

*On Printing.*—Aldermen Richardson and Reed ; and Councilmen Barnard, Daniels and Ellsworth.

*On Lighting Streets.*—Aldermen Sawyer and Houghton ; and Councilmen Ward, Athy and Batchelder.

*On Highways.*—Aldermen Kendrick and Richardson ; and Councilmen Fobes, McMahon and Mawhinney.

*On Sidewalks.*—Aldermen Richardson and Kendrick ; and Councilmen Mawhinney, McMahon and Fobes.

*On Charities.*—Aldermen Hewett and Houghton ; and Councilmen Longley, Tierney and Clark.

*On Military Affairs.*—Aldermen Marsh and Hewett ; and Councilmen Barnard, Quinn and Andrews.

*On Public Buildings.*—Aldermen Lapham and Marsh ; and Councilmen Lancaster, Talbot and Longley.

*On Mayor's Inaugural and Unfinished Business.*—Aldermen Hewett and Houghton ; and Councilmen White, Booth and Tierney.

#### STANDING COMMITTEE OF THE BOARD OF ALDERMEN.

*On Bills in Second Reading.*—Aldermen Reed and Houghton.

*On Enrollment.*—Aldermen Lapham and Sawyer.

*On Elections and Returns.*—Aldermen Richardson and Hewett.

#### STANDING COMMITTEES OF THE COMMON COUNCIL.

*On Bills in Second Reading.*—Councilmen Plunkett, Savage and Brown.

*On Enrollment.*—Councilmen Ward, Batchelder and Tierney.

*On Elections and Returns.*—Councilmen Batchelder, Daniels and Barnard.

#### CITY SOLICITOR.

FRANCIS T. BLACKMER,

Office No. 7 P. O. Block, Pearl St. ; Residence 8 West St.



## TREASURER AND COLLECTOR.

WILLIAM S. BARTON,

Office No. 6 City Hall; Residence 23 High Street.

## AUDITOR.

HENRY GRIFFIN.

Office No. 7 City Hall; Residence 48 Cedar Street.

## ASSESSORS.

Lyman A. Ely, *Chairman*. Josiah P. Houghton, *Secretary*.

Levi Barker, 3 years. Josiah P. Houghton 2 years.

Lyman A. Ely, 1 year.

Office No. 12 City Hall.

## ASSISTANT ASSESSORS.

Ward 1.—I. N. Metcalf,

Ward 5.—John Palmer,

“ 2.—Samuel E. Staples,

“ 6.—Asaph R. Marshall,

“ 3.—John W. Foley,

“ 7.—Jonathan Luther,

“ 4.—James F. Fallon,

“ 8.—George A. Kimball.

## CITY ENGINEER.

CHARLES A. ALLEN. Office No. 11 City Hall.

Residence 44 Portland Street.

## SUPERINTENDENT OF PUBLIC BUILDINGS.

CHARLES H. PECK. Office No. 464 Main Street,

Residence 29 Lincoln Street.

## COMMISSIONER OF HIGHWAYS.

JOSEPH S. PERRY. Office No. 3 City Hall.

Residence 120 Vernon Street.

## WATER COMMISSIONER.

FRANK E. HALL. Office No. 5 City Hall.

Residence 16 Dix Street.

## WATER REGISTRAR.

J. STEWART BROWN. Office No. 5 City Hall.

Residence 9 Orchard Street.

## REGISTRARS OF VOTERS.

E. H. Towne, *Chairman*.Samuel D. Nye, *Clerk*.

Josiah P. Houghton.

## COMMISSIONERS OF HOPE CEMETERY.

Albert Tolman, *Chairman*.Stephen Salisbury, Jr., *Secretary*.Albert Curtis, *Superintendent*.

Albert Curtis, 5 years.

Thomas M. Rogers, 3 years.

Stephen Salisbury, Jr., 4 years.

William Bush, 2 years.

Albert Tolman, 1 year.

## COMMISSIONERS OF SHADE TREES AND PUBLIC GROUNDS.

Edward Winslow Lincoln, *Chairman and Secretary*.

O. B. Hadwen, 3 years.

Edward Winslow Lincoln, 2 years.

Stephen Salisbury, Jr., 1 year.

## COMMISSIONERS OF SINKING FUND.

D. Waldo Lincoln, *Chairman*.Samuel Woodward, *Secretary*.William S. Barton, *Treasurer*.

Edward L. Davis, 3 years.

D. Waldo Lincoln, 2 years.

Samuel Woodward, 1 year.

COMMISSIONERS OF THE JAQUES FUND AND OTHER FUNDS OF THE  
CITY HOSPITAL.

Benjamin Walker, *Chairman*. F. H. Kelley, *Secretary*.  
Wm. S. Barton, *Treasurer*.  
Albert Curtis, 3 years. F. H. Kelley, 2 years.  
Benjamin Walker, 1 year.

DIRECTORS OF THE FREE PUBLIC LIBRARY.

Peter C. Bacon, <i>President</i> .	Nathaniel Paine, <i>Sec'y and Treas.</i>
Clarendon Harris, } 6 years.	Wm. R. Huntington, } 3 years.
Samuel D. Nye, }	Lewis W. Hammond, }
Thomas J. Conaty, } 5 years.	Nathaniel Paine, } 2 years.
Wm. Dickinson, }	J. Evarts Green, }
Francis A. Gaskill, } 4 years.	Peter C. Bacon, } 1 year.
Samuel D. Harding, }	Edward H. Hall, }
Samuel S. Green, <i>Librarian</i> .	

BOARD OF HEALTH.

Thomas Harrington, *Chairman*. Henry Griffin, *Clerk*  
Henry Griffin, 3 years. Rufus Woodward, 2 years.  
Thomas Harrington, 1 year.

SCHOOL COMMITTEE.

FRANK H. KELLEY, *ex-officio, President*.

A. P. MARBLE, *Superintendent and Secretary*. Office, No. 464  
Main Street.

Members whose term expires January, 1883.	Members whose term expires January, 1882.	Members whose term expires January, 1881.
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Rebecca Barnard,	Edward H. Hall,	Caleb B. Metcalf,
Sarah B. Earle,	Charles M. Lamson,	Anne B. Rogers,
John J. Casey,	James P. Tuite,	Timothy H. Murphy,
Thomas J. Conaty,	John B. Cosgrove,	Jeremiah Murphy,
Owen H. Conlin,	John Timon,	Richard O'Flynn,
Asaph R. Marshall,	Alzirus Brown,	Francis P. Goulding,
Emerson Warner,	Joseph M. Bassett,	Edwin T. Marble,
Geo. E. Francis.	George Swan.	Rufus Woodward.

## CENTRAL DISTRICT COURT.

HARTLEY WILLIAMS, *Chief Justice.*

SAMUEL UTLEY,  
 GEORGE M. WOODWARD, } *Associate Justices.*

THEODORE S. JOHNSON, *Clerk.*WILLIAM COE, *Assistant Clerk.*

## TRUANT COMMISSIONERS.

FRANK H. KELLEY, *Mayor.*A. P. MARBLE, *Superintendent of Schools.*JAMES M. DRENNAN, *City Marshal.*

HENRY E. FAYERWEATHER, }  
 WILLIAM HICKEY, } *Truant Officers.*

## CITY MARSHAL.

JAMES M. DRENNAN. *Office City Hall.**Residence, 115 Austin Street.*

## FIRST ASSISTANT MARSHAL.

FRIEWALDAU C. THAYER. *Office, City Hall; Residence, 11*  
*Benefit Street.*

## SECOND ASSISTANT MARSHAL.

JAMES K. CHURCHILL. *Office, City Hall;*  
*Residence, 103 Park Street.*

## CAPTAIN OF NIGHT POLICE.

AMOS ATKINSON,

## PATROLMEN.

Barker, Charles W.

Benchley, C. H.

Bliss, George S.

Blodgett, Charles W.

Bonn, Albert N.

Keyes, Warren C.

Lamb, Matthew B.

Legassey, John

Maloney, James M.

March, Addison

Colby, Reuben M.  
 Chandley, George B.  
 Churchill, Ezra  
 Deady, Michael  
 Diggins, Patrick  
 Drohan, Walter N.  
 Fairbanks, Edson,  
 Finneran, William,  
 Flint, Joseph H.  
 Foster, Thomas R.  
 French, Cornelius  
 Garland, Charles A.  
 Gates, Jaalam  
 Goggin, David  
 Green, Marshall S.  
 Hagan, P. S.  
 Hannigan, John  
 Harper, Louis  
 Hogan, Patrick  
 Hubbard, Martin J.  
 Johnson, Oren A.  
 Keefe, Dennis  
 Kerwick, John

Martin, Austin,  
 Mathews, David A.  
 Mathews, Robert F.  
 McCarthy, Daniel  
 McGovern, Thos. F.  
 McLane, James J.  
 McNamara, Michael  
 Mecorney, Henry H.  
 Mooney, Nicholas J.  
 O'Connor, John  
 O'Connor, Wm.  
 O'Day, Patrick, jr.  
 Piper, William A.  
 Quimby, James M.  
 Ranger, Sumner W.  
 Rattigan, Patrick E.  
 Sampson, Freeman  
 Sandner, Henry  
 Thomas, Quincy A.  
 Tyler, Elliott  
 Walsh, Matthew J.  
 Ward, Samuel S.  
 Williams, Daniel

Woodard, James.

#### CONSTABLES FOR CRIMINAL BUSINESS.

James M. Drennan,  
 F. C. Thayer,  
 James K. Churchill,  
 Ezra Churchill,

Amos Atkinson,  
 William E. Fayerweather,  
 William Hickey,  
 Patrick O'Day, jr.,

Reuben M. Colby.

#### CONSTABLES FOR CIVIL BUSINESS.

Edward J. Russell,  
 Theodore H. Bartlett,

Charles Marvin,  
 Charles N. Hair,

Henry C. Rawson.

## TRUSTEES OF THE CITY HOSPITAL.

F. H. Kelley, <i>President</i> .	Stephen Salisbury, Jr., <i>Secretary</i> .
Chas. G. Reed, <i>Alderman</i> .	Stephen Salisbury, Jr., 4 years.
Loring Coes,	Albert Curtis, 3 years.
Francis Plunkett, } <i>Councilmen</i> .	Joseph Sargent, 2 years.
F. H. Kelley, 1 year.	

## OVERSEERS OF THE POOR.

FRANK H. KELLEY, <i>Mayor</i> .	} <i>ex-officio</i> Members.
A. P. MARBLE, <i>Superintendent of Schools</i> ,	
JAMES M. DRENNAN, <i>City Marshal</i> ,	

Frank H. Kelley, <i>President</i> .	George W. Gale, <i>Clerk</i> .
Charles F. Rugg and Walter Henry, 3 years.	
Calvin L. Hartshorn and James Draper, 2 years.	
George W. Gale and Charles Belcher, 1 year.	

## CITY PHYSICIAN.

RUFUS WOODWARD.

Office, No. 52 Pearl Street.

## KEEPER OF ALMSHOUSE.

BENJAMIN F. PARKHURST.

## UNDERTAKERS.

George Sessions,	John Fay,
Waldo E. Sessions,	Geo. G. Hildreth,
Frank E. Sessions,	Andrew Athy,
James A. Athy.	

## PUBLIC WEIGHERS.

Wm. A. Barrows, <i>New Worcester</i> ,	Silas Penniman, <i>Lincoln Square</i> .
Samuel Houghton, <i>Salem Square</i> .	
Edgar Ballard and Harry Ballard, <i>Quinsigamond</i> .	



## MEASURERS OF WOOD.

Silas Penniman, *Lincoln Square*. Samuel Houghton, *Salem Square*.  
 Wm. A. Barrows, *New Worcester*. Edwin Chapin, *South Worcester*.  
 Alden Thayer, *Pleasantville*. Edgar Ballard, *Quinsigamond*.

## SURVEYORS OF LUMBER.

Nahum R. Hapgood, Chas. K. Fletcher,  
 George Hartwell.

## FENCE VIEWERS.

Charles W. Burbank, Ebenezer Cutler, Charles Ballard.

## MILK INSPECTOR.

Russell R. Shepard. Office, No. 3 Pleasant Street.

## FIELD DRIVER.

William L. Nichols.

## POUND KEEPER.

Cornelius Marsh.

## SEALER OF WEIGHTS AND MEASURES.

Russell R. Shepard. Office, No. 3 Pleasant Street.

## WARD OFFICERS.

Ward 1.—WARDEN, Everett J. Bardwell. CLERK, Samuel Smith.  
 INSPECTORS, S. Harrison Knox, Frank Howe, Pliny Moore.

Ward 2.—WARDEN, F. E. Barker. CLERK, George W. Gale.  
 INSPECTORS, Luther Ross, N. Alexander, Edwin Brown.

Ward 3.—WARDEN, Lyman Brown. CLERK, John P. Fay.  
 INSPECTORS, James Connor, Maurice W. Nelligan, John Hagan.

Ward 4.—WARDEN, William Myers. CLERK, Daniel Duggan.  
INSPECTORS, James H. Kelley, James Russell, John  
Wheatley.

Ward 5.—WARDEN, Patrick Hogan. CLERK, Patrick C. Moore.  
INSPECTORS, Alexis C. Cadoret, Michael W. Cunningham.  
John T. Duggan.

Ward 6.—WARDEN, Jonathan C. French. CLERK, Willie C. Young.  
INSPECTORS, John L. Day, Orrin F. Batty, Henry C.  
Rawson.

Ward 7.—WARDEN, Edwin Ames. CLERK, Arthur E. Dennis.  
INSPECTORS, Daniel W. Knowlton, Charles L. Gates, Jason  
W. Ainsworth.

Ward 8.—WARDEN, Addison Palmer. CLERK, Woodbury C. Smith.  
INSPECTORS, Austin P. Christy, Elam B. Shattuck, M. V.  
B. Richardson.

#### BOARD OF ENGINEERS.

Office, No. 80 Front Street.

SIMON E. COMBS, *Chief*.

SAMUEL H. DAY, *Clerk*.

William Brophy,	}	<i>Assistant Engineers.</i>	{	Gilbert N. Rawson.
John W. Loring,				Samuel H. Day.

# SALARIES OF CITY OFFICERS.

1880.

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Mayor,	\$1,500
City Clerk,	1,600
City Treasurer and Collector,	2,500
City Engineer,	1,600
City Solicitor,	1,550
City Physician,	1,000
Auditor of Accounts,	1,100
City Messenger,	900
Commissioner of Highways, to furnish his own team,	1,600
Water Commissioner, to furnish his own team,	1,500
Water Registrar,	1,200
Superintendent of Public Buildings,	1,200
Clerk of the Common Council,	300
Clerk of the Overseers,	1,200
One Assessor and Chairman of the Board,	1,100
Two Assessors—each,	1,000
Asst. Assessors—each,	three dollars per diem.
Milk Inspector,	50
Sealer of Weights and Measures,	200
Chairman of Board of Health,	500
City Marshal, to furnish his own team,	1,600
First Asst. Marshal,	1,200
Second Asst. Marshal,	1,150
Captain of Night Police,	\$2.75 per night
Patrolmen,	\$2.25 per day or night.
Chief Engineer,	1,200
First Asst. Engineer and Electrician,	1,000
Assistant Engineers—each,	200
Foremen of Companies—each,	125
Engineers of Steamers—each,	200
Asst. Engineers of Steamers,	175
Clerks of Companies,	115
Hosemen and Members of Hook and Ladder Companies—each	100

# APPROPRIATIONS FOR THE YEAR 1880.

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Abatements and Discount,	\$47,500 00
Board of Health,	2,000 00
City Hall,	3,000 00
City Hospital,	6,000 00
Fire Department,	40,000 00
Fire Department. (Fire Patrol),	1,200 00
Free Public Library,	8,000 00
Highway Department,	25,000 00
Highway Department. (Sidewalks),	10,000 00
Highway Department. (Paving),	10,000 00
Incidental Expenses,	7,000 00
Interest,	117,500 00
Interest on Sewer Loan,	18,500 00
Lighting streets,	29,000 00
Pauper Department. (City Relief),	13,000 00
Pauper Department. (Farm),	9,000 00
Pauper Department. (New Building),	8,000 00
Pauper Department. (House Offal),	1,500 00
Pauper Department. (Truant School),	1,500 00
Police Department,	51,500 00
Public Grounds,	5,000 00
Salaries,	21,000 00
School Department,	146,000 00
School Houses,	20,000 00
Sewers. (Construction),	10,000 00
Sewers. (Maintenance),	7,000 00
Street Construction,	25,000 00
Water Works. (Construction),	27,000 00
Total,	\$670,200 00

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