

CITY DOCUMENT No. 33.

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ADDRESS

OF

HON. CHAS. B. PRATT,

MAYOR OF THE CITY OF WORCESTER, JAN. 6, 1879;

WITH THE

ANNUAL REPORTS

OF THE SEVERAL DEPARTMENTS,

FOR THE FINANCIAL YEAR ENDING NOV. 30, 1878.

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1878

CITY OF WORCESTER.

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IN CITY COUNCIL, JANUARY 10, 1879.

*Ordered:*

That the Committee on Printing be, and they are hereby authorized to cause to be published 1,000 copies of the annual "City Document," to be numbered 33; to contain the Mayor's Inaugural Address, together with the Reports of the several Departments, for the year 1878.

A Copy, Attest:

E. H. TOWNE,

*City Clerk.*

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# MAYOR'S ADDRESS.

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*Gentlemen of the Board of Aldermen,  
and of the Common Council :*

WE have assembled again this morning, to take upon ourselves the duties and responsibilities which have been assigned us by our fellow-citizens, for the year which has just commenced, and to renew our pledge of fidelity to the care of the interests which have been committed to our hands. Most of us know, from our past experience, the nature and character of these duties and responsibilities, and not a few of us can fully appreciate the serious difficulties with which a faithful, manly and honest discharge of them is surrounded.

It is one of the plain injunctions of our charter, that the Mayor shall, from time to time, communicate to both branches of the Council such information, and recommend such measures, as the business and interests of the city may, in his opinion, require. No more favorable time than the beginning of a municipal year, perhaps, presents itself for the observance of this injunction. At any rate, custom has made these annually recurring ceremonies fitting and appropriate occasions for laying before you, in a general way, the condition of our city affairs, the mode of conducting them during the past year, and to suggest, as far as may be possible, the business and the subjects which will be most likely to engage your attention during the year which is before us. Aside from the injunction, however, it is a duty, certainly, which I owe to you and to our constituents, no less than to myself.

The hopes and anticipations in which many of us indulged a year ago, that long before this, business would revive, and our

industrial pursuits resume their wonted activity, restoring confidence and bringing relief to all classes, have failed. The same dark, impenetrable cloud of doubt and uncertainty hang over us now, that did then. As the strain becomes more severe, as the danger of general financial disaster becomes more imminent, the plea for economy, in all departments of our public service, becomes more earnest and irresistible. It becomes our imperative duty, and we should regard it as our highest privilege, in times like these, to afford all the assistance in our power for rendering light the burdens of the city, and to do whatever may come within the scope of our authority, to assist and strengthen the brave hearts and stout hands that are all around us striving so earnestly to bridge over the crisis in our business affairs. It becomes our duty to meet every proposition for new public work, and new public improvements, with the utmost caution, and to investigate the question of their necessity with the most scrupulous care. It becomes our duty to see to it, that no work is entered upon without first having obtained the most reliable and accurate estimate of its cost—so reliable and accurate that there is a moral certainty the cost of execution will be brought within it. And above all, it becomes our duty to avoid the expenditure of money which is to be provided for by those who come after us. Except in those instances where the work is undeniably a needed permanent improvement, every year should be made to bear its own burdens, and every administration should meet its own expenditures. We have no right, as a general proposition, to create an indebtedness for the coming generation to liquidate. It is assuming a wisdom, on our part, which is not becoming in us, nor complimentary to those who follow us. In other words, it is no more than just that those who are burdened with the payment of money should have some voice in its expenditure. It is, moreover, an injury to the present generation, and indirectly, in various ways, brings with it many disadvantages. No more forcible illustration of this truth can be found than our own history affords. We, of to-day, are suffering more than we are accustomed to realize, from the extravagant expenditure of only a dozen years since. We are burdened with a heavy interest account. We

are suffering from an over-valuation of real property, amounting in many cases almost to inflation—a valuation ingeniously contrived for the purpose of raising, unobserved, larger sums of money without materially changing the rate of taxation. It leaves those of us who are now charged with the duty of levying taxes, to encounter one of the most difficult and delicate tasks that could be imposed—that of bringing back values to a standard more nearly the true one, which shall lead to a juster and more equitable assessment of taxes upon every description of property and upon all classes of our people. Nothing can be more injurious to the welfare and prosperity of our city, in the long run, than to have a fictitious valuation of its property for the purposes of taxation. It is a species of self-deception which, sooner or later, proves disastrous. It increases the expenses of business. It enhances the cost of living. It acts as a repellant to business enterprise, and drives from us those who would otherwise be attracted to our city by its central business location and its social advantages.

But while I would urge upon you, with all the earnestness at my command, the exercise of the most careful and systematic economy in every department of our city affairs, I would with no less earnestness, caution you against the danger of falling into an evil scarcely less to be deprecated. We shall do well if, in our anxiety to reduce the volume of our expenditures, we do not lose sight of the true welfare and interests of our people. We must constantly bear in mind that there is a vast difference between a true economy and a false one. We must not forget that there is a positive, and a sharply defined line between economy and parsimony. The one has in view, and serves to promote, the best interests and the highest good of those in whose behalf it is practiced,—the other shuts out every consideration but the mere saving of money.

We none of us need to be told what effect upon the intelligence and character of our population the striking out of the appropriation for schools would have. We can all of us readily conceive the serious public loss and inconvenience which would, of necessity, follow the cutting off the supply of pure water. We can all of us realize the detrimental effect upon the business

and traffic of our city which would result from a total neglect of the streets and highways. We all know how much we owe the safety of our persons and property to the Police and Fire Departments. These and the other branches of the service must be sustained and provided for; and that, too, in such a manner as shall render them most valuable and effective. We have no choice about it. They are what give value to our property, and contribute to the prosperity of our city and its institutions.

But what our constituents do demand of us, and what they clearly have a right to demand, is, that the work, which they intrust to us, shall be done judiciously, thoroughly and well; that the money which they place at our disposal for that purpose, shall be applied in a faithful, honest and conscientious manner, and that none of it shall be squandered or diverted from its proper and legitimate use; and that we shall exercise the same care, the same skill, the same prudence, and the same fidelity in all our public acts, that we do in the transaction of our private business. Our oath of office exacts this, and the people have a right to expect it. Having done this, to the best of our ability, we shall be enabled to lay down our trust at the end of the year without the fear of unfavorable criticism from any man or any party.

#### FINANCES.

In calling attention, one year ago, to the subject of City Finances, I took occasion to present, for comparison, a statement showing our net indebtedness for the six years prior to, and ending, November 30, 1877. Without undertaking to repeat the items contained in that statement, it will be sufficient for my present purpose, to say that it then appeared that the city indebtedness had been constantly, although gradually, decreasing since 1873. During the year just closed, owing, mainly, to the large expenditures rendered necessary by the building of the Island sewer, by the construction of Foster street and the award of damages therefor, and by the settlement of additional claims growing out of the Lynde Brook



disaster, it appears that the net indebtedness of the city has somewhat increased, it having reached the sum of \$2,343,621.41 in 1878, against the sum of \$2,288,861.02 in 1877—a net increase of \$54,760.39. Under the circumstances, it seems to me that we may well congratulate ourselves upon being able to make so favorable an exhibit. In this connection, I cannot forbear to add that much of our success, in this respect, is due to the cordial co-operation, on the part of the various committees and city officials, in carefully scrutinizing all expenditures on account of their several departments, and to their earnest efforts so to manage their different trusts, as to show, if possible, a generous balance to their credit, rather than a deficit, at the close of the financial year.

Further evidence, in regard to our satisfactory financial condition, may be found in the table of “Cash Assest and Liabilities,” published with the Auditor’s annual report. This list indicates, in a very brief and comprehensive form, the net cash liabilities of the city, over and above all cash assets, but does not, of course, include the valuable real estate belonging to the city, nor any of the public works and improvements to which so much of our bonded indebtedness is chargeable.

The following comparative statement will serve, perhaps, to interest those who care for statistics of this description:—

YEAR.	LIABILITIES.	ASSETS.	NET AMOUNT.
1872.....	\$2,755,698 73	\$917,821 21	\$1,837,877 52
1873 .....	3,041,348 39	1,099,916 52	1,941,431 87
1874.....	3,080,396 70	992,615 06	2,087,781 64
1875.....	2,681,719 04	764,387 17	1,917,331 87
1876.....	2,510,242 02	573,188 24	1,937,053 78
1877.....	2,580,353 73	641,484 04	1,938,869 69
1878.....	2,583,472 21	574,122 30	2,009,350 21

It will be seen, from the foregoing figures, that, notwithstanding the extraordinary expenditures of the last few years, our

net liabilities, at the close of the last financial year, were only \$171,472.69 more than they were in 1872, and but \$70,480.92 more than the corresponding item in 1877. It will also be borne in mind, that, although our net liabilities have somewhat increased, we have the increase represented by important public improvements.

During the past year, funded city loans, to the amount of \$160,000.00, have been duly authorized and negotiated. Of this amount, the sum of \$60,000.00 was for a ten years' loan, on account of additional Lynde Brook damages, and the sum of \$100,000.00 for a twenty-seven years' loan, on account of the renewal of a part of our seven per cent. funded debt falling due April 1, 1878. In both instances, our new five per cent. registered bonds were readily placed at a handsome premium above par. Judging from our success, thus far, in renewing our old funded indebtedness, it is gratifying to be able to foresee, that, at no distant period, our interest account will be very materially diminished, and our taxes be correspondingly reduced. The gross amount of interest paid in 1878, was \$162,051.36, and, in 1877, \$163,063.09. The net amount, expended in 1878, was \$136,836.26, against \$149,768, in 1877,—the total revenue from interest, during the past year, having been exceptionably large, owing to the settlement of an old claim against the Boston and Albany Railroad Company, growing out of an agreement made in January, 1873.

The several sinking funds of the city are, as usual, in a highly satisfactory condition. Under the judicious management of the Commissioners, seconded by the wise liberality of the City Council, a large portion of our funded debt, maturing in 1878, has been paid and cancelled, leaving a balance of funds on hand, at the close of the year, of \$47,828.86. To this balance will be added, in a few days, the sum of \$112,741.95, making the total amount of the funds \$160,570.81,—the greater part of which sum will be available for the purpose of taking up such portions of our debt, falling due in 1879, as may not be renewed under the provisions of city ordinance of 1875.

It will hardly be necessary for me to do more than refer to the different trust funds in which the city is interested, as their

condition will be fully set forth in the various reports to be presented to the City Council. I will only state that the total amount of these funds, on the 30th of November last, stated, in all cases, at par value, was as follows:—

Dr. John Green, Library Fund, . . .	\$39,365 65
Geo. Jaques, Hospital Fund, . . .	32,143 16
Isaac Davis, “ “ . . .	1,446 60
Albert Curtis “ “ . . .	1,076 29
John B. Shaw, “ “ . . .	64 27
A. H. Bullock, High School Fund, . . .	1,400 00
Hope Cemetery Fund, . . . . .	5,185 15
<hr/>	
Total amount, . . . . .	\$80,681 12

The Auditor's account of receipts and expenditures, for the financial year ending November 30, 1878, shows the following aggregates, the details of which will be found in his annual report:—

Balance December 1, 1877, . . . . .	\$137,747 39
Receipts during the year, . . . . .	1,869,941 64
<hr/>	
Total, . . . . .	\$2,007,689 03
Payments during the year, . . . . .	1,892,039 30
<hr/>	
Balance November 30, 1878, . . . . .	\$115,649 73

I take pleasure in again referring to the clear and intelligible method of keeping the city accounts, and to the accurate and efficient arrangements for collecting and disbursing the city revenue, as adopted by the City Government of 1872 and perfected by those having charge of the important department of City Finances.

#### SCHOOLS.

During the present school year, the ordinary increase of scholars, together with the transfer of pupils from private schools and places of private instruction, owing in some measure, perhaps, to the stringency of the times, has had the effect

to fill our public schools to nearly, or quite their full capacity. In some portions of the city they are crowded almost to overflowing, and in all parts are full, to say the least. During the past season a new building for school purposes has been erected and completed on Winslow street, and is now occupied. Additional accommodations have been provided on Grafton street; and at Lake View, so called, a new building is now in process of erection. While it is very certain that, at no distant day, it will become necessary to provide further accommodations to meet the wants of a rapidly increasing population, it is confidently hoped that nothing further will be required during the present year, beyond what can be furnished temporarily.

The magnitude of the appropriation required from year to year for the support and maintenance of our schools, almost or quite the largest in any one department of our government, impelled me, a year since, to call the attention of those having the disbursement of it in charge, to the importance of their trust. I gave expression to some opinions as to the manner in which our schools were conducted, the apparent results which they had produced, and were then producing, and the results which, as it seemed to me, the people had a right to expect from them. These opinions represented my honest and well settled convictions; and in the discussion of a matter of so much importance committed to our care and management, I deemed it not only my prerogative, but my duty, to give utterance to them. It is a matter of satisfaction to me to know that the expression of them has met with a hearty response, from all quarters, from those who are most interested in the success of our schools, and who are looking to them as the most powerful agencies for promoting or retarding the healthy growth of every element of usefulness in the young, in whom rest the hopes, and upon whom depend the strength, of the future. Those opinions, then expressed, I have seen no reason to change. They have met with no serious opposition, but on the other hand have been practically adopted. As a consequence, there has been a marked improvement in the use of the time at the disposal of those in the immediate charge of our schools. More attention has been given to studies of a more practical and valuable character, to



the exclusion of those more ornamental and unimportant, and, when I say more practicable and valuable, I mean more valuable to those who, from their very circumstances in life, can, at the best, have the benefit of only a partial course in the schools, and who have need of being taught in those things which will be of most value to them in the ordinary pursuits of life, and will best qualify them to become valuable members of society. And I can only hope that those opinions will lead to further discussion, and that our schools may feel and show further good effects from such discussion.

There is no one subject, perhaps, which interests and engages the attention of so large a proportion of our people—which comes so nearly home to each one of them—as this self-same question of schools and education. And there is no reason why it should not be so. For, when we reflect for a moment, that in less than a score of years, the boys and girls in our schools to-day, will take the places we now occupy, that upon them and their acts, upon their intelligence and their virtue, will depend so much the permanence and value of our institutions and the prosperity and happiness of those in whom all our present hopes are centered, we feel and realize the reason of its being so. As we go on, each generation will demand a higher culture, a more general intelligence; and it is fortunate that we are all willing and eager to do our part in laying the foundation for it. For, to-day, no parent in the ordinary walks of life is satisfied with giving his child the same advantages that were given to him. He is constantly seeking something higher and better for him. He feels an honest pride in every step which his child takes in advance of himself. He spares no pains, hesitates at no sacrifice, which can contribute towards giving that child an opportunity for exploring fields of learning which *he* never dreamed of, much less entered.

Now, conceding this to be true, and I imagine there are few who will refuse their assent to it—the natural inference to be drawn is, that upon this question of schools and education, we are all animated by the same spirit, and are aiming at the same result—to ascertain, if possible, that system of education for the people which shall produce the best results, and that management of the

schools which shall yield the largest and most satisfactory returns for the money which we so freely spend upon them.

But, in dealing with this question practically, there is one error into which we are liable to fall, and which we shall do well to guard against; and that is, when our schools are going on successfully and smoothly, giving us personally no trouble, with no challenge from any quarter as to the mode of their conduct and management, we are too apt to come to the conclusion that they are models and cannot be improved upon. We pride ourselves upon their excellencies, and shut our eyes to their defects; and nothing arouses us from this comfortable state of self-congratulation and self-satisfaction, into which we have suffered ourselves to be drawn, until we make the discovery, all at once, that we have been living upon our fancied reputation for excellence, while our neighbors have made rapid strides, and have far outstripped us in the matters of educational reform.

No system can be so perfect as to be above criticism; and no one should be censured for making it. Let us rather listen to criticism, when made, and examine it. If it be deserved, let us profit by it, from whatever source it may come; if not, it can, at least, have done no real harm.

Before leaving this subject, upon which I have, perhaps, already spent too much time, I desire, at the risk of being considered a revolutionist, to call your attention to one feature in our present scheme of common school education. I do it, not so much with the view of precipitating any radical change in the system, as to that of taking some steps which may eventually lead to a modification of some of the more objectionable features of it.

The question to which I refer, and which I think deserves the deliberate, patient, intelligent and unprejudiced consideration of our school authorities, is, whether our graded schools, as such, and as they are now conducted and managed, have not, for all the purposes of the best popular education, in its largest and truest sense, proved substantially a failure. It is a question which, I am persuaded, must be met at no distant day; and the more we shall have examined it, generally and in detail, and made ourselves acquainted with it, the better prepared shall we be to meet it,

That the system has some advantages, more particularly of an administrative character, will not be denied. It has the ability to deal with a larger number of scholars, in the same length of time, perhaps, than any other. But the dealing is not of the right kind. It is the pouring in, rather than the drawing out. It always crams, but rarely teaches. And the question which is now agitating the minds of some of our best educators is, whether the sacrifices demanded *by* it, are not too great for the benefits derived *from* it; whether there is not more lost in the *quality* of the teaching than there is gained in the *quantity*; whether the whole system is not too mechanical, too artificial, dealing too much with formulas and too little with ideas; whether the attempt to apply the same treatment to different minds and different temperaments, the dull dragging down and impeding the bright and active, for the sake of carrying them along together in the same grade, is not worse than useless—positively ruinous; whether there is not great danger in the attempt to bring all diversities of gifts and talents which may be found in the different members of a school into one arbitrary line, for the purposes of a general treatment, applying to each and all the same inflexible and unyielding rule, and so incurring the risk of crushing out every trace of the natural and the true, in the pupil, and substituting the more shapely and comely, perhaps, but less desirable, and less attractive form of the artificial and the false; whether, in brief, the process which the system calls for, has not the tendency, from its very character, to turn out from our schools mere machines, rather than thinking, reasoning, and well educated men and women.

#### FREE PUBLIC LIBRARY.

Under its present able and efficient management, the Free Public Library is quietly, but faithfully, accomplishing its allotted work. The able and well digested report of the Librarian furnishes gratifying evidence that both branches of the Library—the consulting and the circulating—are more taken advantage of by our people in each succeeding year. It is kept so well supplied, and is so well ordered and arranged, is so

accessible to all classes, under the most reasonable and liberal, and at the same time the most simple, rules and regulations, that it has become, in its way, one of our most powerful, as well as useful, educational agencies. It deserves, and should receive, your most cordial support, and I recommend a liberal appropriation for its use.

During the year some four thousand dollars have been expended in repairs and improvements upon the Library Building. This includes the construction of an elevator, which, while it enables us to utilize more readily all portions of the building, affords convenience to those having charge of the Library.

#### HIGHWAYS.

The two largest items of expense growing out of the work of the Highway Department, during the year, have been incurred in the erection of a bridge at Jamesville, and the construction of Foster street. The latter, all things considered, may be regarded as perhaps the most important work which has been undertaken by the department for many years. The whole history of the Foster street extension, as it has been called, from the beginning to the end, abounds in disagreeable controversies, and is filled with unpleasant recollections. It is scarcely possible for an unprejudiced man to understand how the street, as it is to-day, or will be when entirely completed, can be regarded, in its advantages to the public, anything like an equivalent for the exciting struggle which terminated in its construction. Many of those connected with the government of eighteen hundred and seventy-seven honestly believed, without doubt, that there was no obligation resting on the city to build the street, growing out of any acts of previous administrations; and it was only in obedience to the mandate of the highest judicial tribunal of the Commonwealth, from which there was no appeal, issued after long and vexatious proceedings, that the point was yielded and the street made. The wisdom of the project is a problem which must be left to the future for solution. And while it is to be hoped that the investment, large as it is, will prove a profitable one for the city, and the



## MAYOR'S ADDRESS.

work, one of convenience and utility to the people, it must be confessed that the hope is one not altogether free from doubt. No one can be censured for entertaining the fear that, from the beginning, the interests of individuals have been more clamorous, and have exercised a more powerful influence in attaining the result, than those of the public at large.

Aside from these two undertakings, nothing beyond the ordinary work of the department has been called for, or attempted. The streets and highways are generally in good condition, and there is nothing, apparently, which is likely to call for any extraordinary outlay for the coming year, or which will prevent the expenses of the department from being brought to the lowest point. The question of paving, either relaying that which is already down, or extending new paving over new ground, may come up for your consideration. It is a subject which well deserves your attention; whether it would not be judicious to extend paving, from time to time, by short distances over those portions of our streets where there is the most travel, and which are subject to the greatest wear, and whether such gradual extension would not prove the part of wisdom and in the interest of economy.

## PUBLIC GROUNDS.

The work of improving and beautifying the public grounds of the city, the old Common and Elm Park, has progressed as rapidly as the appropriation made for that purpose would allow. To this work I desire especially to direct your attention. It is a subject which, I am convinced, has hitherto received far too little consideration from the City Government. We have been inclined to underrate its importance. We have been accustomed to look at it too much as the capitalist would do, and, without thought, to place it on the side of extravagance, or, at least, one of those things to be first dispensed with. A little reflection, however, will convince us, I think, that this view is an erroneous one. These are places intended eminently for the people—a place of common resort to all, for innocent amusement and recreation. Here every man is the peer of his neighbor. Here

every man has his own lawn, and walk, and resting-place. The more attractive they are made, the more they will be resorted to, and the more they will exercise an influence for good over those who take advantage of them. Nothing of a public nature can be better adapted to developing the better feelings and cultivating a refinement in a large class of our population, which, perhaps, may be reached in no other way, than these portions of the public domain. Taking this view, we cannot doubt for a moment, that a neglect of the public grounds would prove a short-sighted economy. For just in proportion as we succeed in elevating and refining that portion of our population for which these places are, to a certain extent, designed and maintained, by the means which they afford, we shall succeed in promoting sobriety and good order in the community, thereby contributing to the well-being of society.

In the expenditure and management of this appropriation, we are quite sure that we have the full benefit of it all. There is no waste about it. It is not diminished by large salaries nor by official expenses. In the direction of the work and the application of the money we have a gentleman who is familiar with the purposes of both, who is devoted to the service, and who gives his personal attention to it, in all its details, with as much exactness and fidelity, and with as much care and economy, as if he were in his own private grounds; and, what is more remarkable in these days of official greed, without fee or reward of any kind whatever.

Under these circumstances, therefore, so favorable to the accomplishment of a most desirable object at so comparatively trifling expense, I think it due to ourselves, no less than the Commissioner in charge of the grounds, that we manifest an appreciation of the service which he so unselfishly renders, by strengthening his hand, and giving him all the aid and encouragement we can, in the prosecution of a work, which is not only now, but will be hereafter, thoroughly appreciated and commended. I have no hesitation in recommending a more liberal appropriation for the objects of the Commission, than has been heretofore granted.

## HOPE CEMETERY.

The limits of Hope Cemetery have been enlarged in the manner contemplated and recommended one year since. The necessary appropriation was made, and a lot of land, containing between ten and eleven acres, situated on the southerly side of the original grounds, and adjoining them, bounded on the west by the street, has been purchased upon the most advantageous terms. No more territory will be required for many years to come. The grounds, under the excellent management of the Commissioners, are, from year to year, assuming an approved appearance, and give promise of fully responding, in the near future, to the sentiment, which in these later years has so rapidly gained ground, and been so sedulously cultivated among all classes of people—The duty of providing and setting apart more suitable and attractive places for the burial of the dead.

It may not be amiss to state, in this connection, that during the season the Mechanic street burial-ground has been abandoned for the purposes of interment, and the remains of all those who lay there have been removed. I would recommend that so much of the land within its limits as has not been taken for the construction of Foster street, be sold at as early a day as is practicable.

## WATER.

The supply of water at the present time is abundant, and the means of storing it have at no time been more ample, or more satisfactory, than now. The Lynde Brook 'dam is in a more complete condition than it has been at any previous period of its history. During the year some improvements of an unimportant character have been made to render it, if possible, more secure from disaster; and those best qualified to judge, and whose experience entitles them to be regarded as competent authority in such matters, have no hesitancy in pronouncing it to be as nearly perfect in construction and equipment as it well can be, under all the circumstances, and that all danger of a repetition of our past experience is so far removed, that entire safety may be fairly claimed for it.

Among the suggestions that have been made, from time to time, for securing an additional supply of water, is the one looking to the erection of a second dam above the present one. This could unquestionably be done at a very trifling expense, comparatively, and would, without doubt, prove a valuable auxiliary in maintaining the supply. And, while I do not wish to be understood as saying anything which can be construed into a recommendation, I nevertheless regard it as my duty to call your attention to it for such action as, on consideration, your wisdom may suggest.

The work which was done on the North Pond dam some two years ago, for the purpose of guarding against the danger of disaster, has recently been found to be insufficient and defective. In consequence of the discovery, the safety of the dam has been questioned. The attention of the County Commissioners has been called to it, and, after a careful examination, they have taken the necessary steps, and ordered the necessary work to be done, to insure its security. The work has already been commenced, and will be completed as soon as the weather will allow. The expense of the work will be borne only in part by the city, the balance being defrayed by the other proprietors of the dam, who are responsible, with the city, for its permanent maintenance.

#### SEWERS.

The work of the Sewer Department, during the year, aside from the construction of the Island sewer, has been of an unimportant character, partaking, perhaps, more nearly of completing or finishing, so to speak, the entire plan of sewers in the city, so far as the plan has been matured. Many small sections have been laid in different parts of the city, for the accommodation of those living in the immediate vicinity of the several principal lines. This work, however, has been very nearly accomplished, and hereafter there will be very little of it to do.

The work upon the Island sewer, all things taken into account, has been successfully prosecuted during the season; and with nothing to interrupt its progress, the coming year will, in all probability, witness its completion. With the exception of the



rock excavation, the work has been done principally by the day, under the direction of the department. This mode of carrying on the work was regarded by some as of doubtful expediency; but it may be fairly said that the experiment has proved a success. Great precaution has been taken that the laborers employed should be the permanent residents of our city, preference always being given to those having families dependent upon them for support. Of course, those in charge of the work may have been occasionally deceived, and the good intentions of the department, in this respect, may have been sometimes interfered with. But, as a rule, the care which has been taken in the matter has been rewarded with success.

If the work goes on to completion as it has been begun, I think it will be satisfactorily shown that the course which has been adopted, and thus far carried out, in the construction of the sewer, has been a wise one, and that the expense of the work will prove to be no greater than it would have been had it been done under an entire contract. On the other hand, the advantage gained by the superior quality of the work will be very marked. Every part of it has been done with the utmost care and thoroughness, and when completed will be found, I think, to be one of the finest pieces of work of its kind anywhere.

While this work, which was under consideration so long, and which was decided upon, at last, with so great reluctance, has proved to be quite as formidable in its character as its most strenuous opponents predicted, I think it will be fully demonstrated to be one of the most important improvements, in a sanitary point of view, which the city has undertaken for many years, and one which, under the circumstances, could not have been delayed for any considerable length of time.

#### FIRE DEPARTMENT.

We may well congratulate ourselves upon having in our service a fire department so thoroughly organized, so admirably disciplined, and so completely equipped as ours is. Too much cannot be said in praise of its efficiency and promptness; and

the faithfulness which it evinces in the discharge of its duties on all occasions deserves the commendation of all our citizens. There is no organization which is more deserving of our cordial support in every way in which we can render it. Its very presence affords a sense of security, and its constant protection of our property from the devouring element commands our gratitude, and invokes our aid and encouragement.

The Fire Patrol, which has heretofore been supported in part by the city, is an efficient co-worker and ally of the department, acting under its direction on all occasions when its services are called into requisition. During the past year we have paid towards sustaining this auxiliary of the Fire Department the sum of one hundred dollars per month, the rest of the expense being borne by the underwriters. The Patrol has come to be so important a part of the department, and has become so valuable an aid in protecting and saving property at fires, that its services cannot now well be dispensed with; and I have no hesitation in recommending the city to continue its contribution to its support.

### POLICE.

The reputation which the members of our police force have hitherto maintained for promptness and efficiency in the discharge of their important and delicate duties, has been fully sustained. It is a reputation which has been fairly earned, and which is justly merited. In the expression of this opinion I feel that I shall be sustained by all our citizens who properly estimate the value of an efficient force, and who are so much indebted to the department for the good order which so generally prevails within the limits of its jurisdiction.

On former occasions, when I have had the honor of addressing you upon subjects connected with the conduct and management of our municipal affairs, I have given my views, at considerable length, as to what seemed to me necessary to constitute a proper and reliable police force, the relations which its members sustain to the people, and the duty of the City Government in maintaining it, and in giving all the aid and encouragement possible to this important arm of our service. I do not, at this time, propose

to trouble you with a repetition of those views ; but I must be allowed to say, in passing, that every year's experience in the administration of our city affairs, only tends to strengthen and deepen my convictions of their correctness and practicability. I am more and more convinced, that nothing contributes so much to the real and practical value of the force, as the assurance of permanence and stability in its composition and organization. The idea of a permanent retention in service, through all the fluctuations and changes of administration, and the feeling of security from removal, except for cause, will often serve as inducements for desirable men to accept positions in the department who would otherwise be unwilling to do so ; thus enabling us more frequently to avail ourselves of the services of capable and trustworthy men — men in whom we should feel entire confidence, and to whom we should unhesitatingly commit the charge and duty of guarding our persons, our homes and our property from the attacks of vice and crime.

At the risk, therefore, of incurring the charge of importunity upon this subject, I again call your attention to the desirableness, if not the necessity, of taking measures for placing the department upon such a footing as to ensure a comparatively permanent organization, and to put the individual members of it beyond the power of removal by each successive administration of the City Government, except for well established incompetency, or for dereliction of duty.

#### CHARITIES.

The City Farm, I am happy to say, has never been under better, or more judicious and discreet management than at the present time. Under the direction of the present Superintendent very noticeable improvements have been made in its care and cultivation, and the whole appearance of the establishment gives evidence of thrift and good husbandry, which is alike creditable to him and gratifying to the authorities.

During the year a reservoir has been constructed for the purpose of storing water for the use of the premises, and a telephone has been put up, connecting the Superintendent's office

with the police station and the office of the Clerk of the Overseers of Poor, at the City Hall. Both improvements have been made at a very moderate cost, and already give promise of great convenience and usefulness in conducting the business of the Institution.

The applications for assistance and relief, which have come from the poor, the needy, and the destitute, during the year, have been more frequent than usual. There is every reason to believe, that in the immediate future these calls will be greatly multiplied. While engaged in the duty of administering this department of our charities—a duty which not only carries with it the binding force of a legal obligation, but should be regarded by us in the nature of a privilege—we must bear in mind that we are the appointed almoners of the city's bounty, and as public servants, are bound to exercise all proper discrimination and caution in the execution of that trust. But at the same time the city bids us deal not only kindly and tenderly, but bountifully with the deserving poor, dispensing with an open and a generous hand. It bids us accompany each bestowal of assistance with the words of hope and encouragement, rather than of censure and admonition, always remembering that it is better to err by sometimes granting aid to an unworthy applicant rather than that the really deserving should go away empty-handed.

#### CITY HOSPITAL.

The labors of the Board of Commissioners having in charge the Jaques property and other funds connected with the City Hospital, have met with the most gratifying success. The wisdom of the movement which resulted in the establishment of the Commission is no longer questioned by any one. Even those who at first opposed the measure as of doubtful expediency, at the best, now frankly commend it as the most judicious plan that could have been adopted for the preservation of the various funds which have been transferred to the hands of the Commissioners, and for securing the application of the income of them to the support and maintenance of the institution, for the benefit of which they were originally created. And so long as the



Commission shall be composed of discreet, faithful and unselfish men—men who are interested in the cause of suffering humanity, and who are willing to devote some portion of their time, gratuitously, in that cause,—we need have no fear that the measure will be attended by any but the most favorable results.

During the year, sales of the Jaques land, to the amount of nearly ten thousand dollars, have been effected by the Commissioners, thus converting unproductive property into a paying investment, for the benefit of the Hospital. From such a beginning as this, at a time when there is so little demand for unoccupied land, we may confidently anticipate certain success in the future, when business revives, and land for building purposes is more frequently sought for.

The subject of erecting hospital buildings upon the land donated to the city by Mr. Jaques for that purpose, in eighteen hundred and seventy-two, has been referred to a committee whose report will be before you. I regret to say that I cannot agree with some of the conclusions of that report. Nearly seven years have elapsed since this deed of gift was made to the city and accepted by the City Council. Not one of the conditions contained in that deed has been complied with by the city, unless, perhaps, we may except the one requiring the widening of Wellington street. The appropriation of twenty-five thousand dollars required was, indeed made, formally, but nothing ever came of it. All the other conditions have been quietly ignored, not to say forgotten; and it is difficult to understand how the committee, in the face of these facts, so discreditable to the city, can come to the conclusion that they “are unable to see wherein the City Council have been derelict of duty towards the institution, or unfaithful to the trust reposed by its generous benefactor.”

The final conclusion, however, at which the Committee unanimously arrive, namely, that “another year an appropriation should be made sufficient to erect the buildings, and carry out in full the obligation of the deed,” is eminently wise and just, and should be at once accepted and acted upon. I do not see how, under all the circumstances, any other course can honestly be pursued. I therefore earnestly invite your attention to an early

consideration of this too long neglected matter, with a view to carrying out the recommendations of the Committee, and thus relieving the city of the cloud which, as it seems to me, has rested altogether too long upon its fair fame, by the neglect to carry out Mr. Jaques' wishes, as embodied in the conditions of his deed of gift—a neglect all the more conspicuous from the fact, that the deed was so speedily followed by the princely bequest contained in his last will and testament.

But setting aside the obligations resting upon the city by its acceptance of the deed of gift, and re-enforced by Mr. Jaques' subsequent act of munificence, there is another consideration which, in itself, is quite sufficient to warrant us in proceeding, at once, with the erection of the hospital buildings on Prince street, in accordance with the conditions of the deed—and that is, the consideration of economy. The whole homestead estate is now unproductive property, beyond its temporary occupation for hospital purposes. The buildings, never adapted to hospital use, require, from their great age, constant repairs and alterations, which involve more or less expense. By occupying the Prince street lot, buildings better adapted to the purpose could, at the present time, be erected, for the sum indicated in the deed of gift. This having been done, the monthly penalty of two hundred dollars, now being incurred by the city for its neglect, would cease; and, what is more, by the occupation of the Prince street lot, one of the most valuable tracts of land in the city, for building purposes, would be released, which, being put upon the market, would meet with a ready sale. The proceeds of such sale would increase the fund to such an amount that, in all probability, the income of it would be amply sufficient for the generous support of the hospital, rendering an annual appropriation from the city for that purpose wholly unnecessary. Nay, more,—besides converting the present unproductive property into a fund, the income thereof to be devoted to the maintenance of the hospital, in accordance with the directions of Mr. Jaques, as expressed in his will, it would very largely increase the volume of property subject to taxation.

I recommend, therefore, that the subject of erecting hospital buildings on Prince street, in accordance with the provisions

contained in Mr. Jaques' deed of gift, be taken into consideration by you at a day sufficiently early to insure the substantial completion of the work during the coming season.

*Gentlemen of the City Council :*

Our duties are before us. We are about to take up the burden which our fellow-citizens have laid upon us for the coming year. And while I pledge you my earnest endeavors to do my full share in bearing that burden, by devoting my time and strength to the public service, by co-operating with you in all efforts to carry out the wishes of our constituents, and to protect their interests, I beg leave to admonish you that the burden will rest upon us all alike. No one of us can discharge the obligations which rest upon another. Each one of us has his own allotted work, and he can delegate it to no one else—work which has been assigned to him by his election, and which he now assumes by accepting the trust. The compact between him and his constituents is to-day made complete. They, on their part, have given him their confidence; he, on his part, has pledged himself not to abuse or betray that confidence. This compact demands his prompt, personal attention to the discharge of his duties, at all times, under all circumstances, in season and out of season. It demands his constant attendance upon all sessions of the Council; it claims his faithfulness to the work of the committees to which he is assigned; it bids him hold himself in readiness to give his presence whenever and wherever the business of the city, whatever it may be, calls him. It is this personal service, and this personal service alone, which can redeem the pledge we have made here to-day. It is by this personal service, and by this personal service only, we can hope to attain that result which should be the aim of all public servants—fidelity to the trust committed to us, fidelity to our constituents, and fidelity to ourselves.

# WORCESTER SCHOOLS.

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## EXTRACT FROM THE MAYOR'S INAUGURAL ADDRESS.

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### SCHOOLS.

During the present school year, the ordinary increase of scholars, together with the transfer of pupils from private schools and places of private instruction, owing in some measure, perhaps, to the stringency of the times, has had the effect to fill our public schools to nearly, or quite their full capacity. In some portions of the city they are crowded almost to overflowing, and in all parts are full, to say the least. During the past season a new building for school purposes has been erected and completed on Winslow street, and is now occupied. Additional accommodations have been provided on Grafton street; and at Lake View, so called, a new building is now in process of erection. While it is very certain that, at no distant day, it will become necessary to provide further accommodations to meet the wants of a rapidly increasing population, it is confidently hoped that nothing further will be required during the present year, beyond what can be furnished temporarily.

The magnitude of the appropriation required from year to year for the support and maintenance of our schools, almost or quite the largest in any one department of our government, impelled me, a year since, to call the attention of those having the disbursement of it in charge, to the importance of their trust. I gave expression to some opinions as to the manner in which our schools were conducted, the apparent results which they had produced, and were then producing, and the results which, as it seemed to me, the people had a right to expect from them. These opinions represented my honest and well settled convictions; and in the discussion of a matter of so much importance committed to our care and management, I deemed it not only



my prerogative, but my duty, to give utterance to them. It is a matter of satisfaction to me to know that the expression of them has met with a hearty response, from all quarters, from those who are most interested in the success of our schools, and who are looking to them as the most powerful agencies for promoting or retarding the healthy growth of every element of usefulness in the young, in whom rest the hopes, and upon whom depend the strength, of the future. Those opinions, then expressed, I have seen no reason to change. They have met with no serious opposition, but on the other hand have been practically adopted. As a consequence, there has been a marked improvement in the use of the time at the disposal of those in the immediate charge of our schools. More attention has been given to studies of a more practical and valuable character, to the exclusion of those more ornamental and unimportant, and, when I say more practicable and valuable, I mean more valuable to those who, from their very circumstances in life, can, at the best, have the benefit of only a partial course in the schools, and who have need of being taught in those things which will be of most value to them in the ordinary pursuits of life, and will best qualify them to become valuable members of society. And I can only hope that those opinions will lead to further discussion, and that our schools may feel and show further good effects from such discussion.

There is no one subject, perhaps, which interests and engages the attention of so large a proportion of our people—which comes so nearly home to each one of them—as this self-same question of schools and education. And there is no reason why it should not be so. For, when we reflect for a moment, that in less than a score of years, the boys and girls in our schools to-day, will take the places we now occupy, that upon them and their acts, upon their intelligence and their virtue, will depend so much the permanence and value of our institutions and the prosperity and happiness of those in whom all our present hopes are centered, we feel and realize the reason of its being so. As we go on, each generation will demand a higher culture, a more general intelligence; and it is fortunate that we are all willing and eager to do our part in laying the foundation for it. For, to-day, no parent in the ordinary walks of life is satisfied with

giving his child the same advantages that were given to him. He is constantly seeking something higher and better for him. He feels an honest pride in every step which his child takes in advance of himself. He spares no pains, hesitates at no sacrifice, which can contribute towards giving that child an opportunity for exploring fields of learning which *he* never dreamed of, much less entered.

Now, conceding this to be true, and I imagine there are few who will refuse their assent to it—the natural inference to be drawn is, that upon this question of schools and education, we are all animated by the same spirit, and are aiming at the same result—to ascertain, if possible, that system of education for the people which shall produce the best results, and that management of the schools which shall yield the largest and most satisfactory returns for the money which we so freely spend upon them.

But, in dealing with this question practically, there is one error into which we are liable to fall, and which we shall do well to guard against; and that is, when our schools are going on successfully and smoothly, giving us personally no trouble, with no challenge from any quarter as to the mode of their conduct and management, we are too apt to come to the conclusion that they are models and cannot be improved upon. We pride ourselves upon their excellencies, and shut our eyes to their defects; and nothing arouses us from this comfortable state of self-congratulation and self-satisfaction, into which we have suffered ourselves to be drawn, until we make the discovery, all at once, that we have been living upon our fancied reputation for excellence, while our neighbors have made rapid strides, and have far outstripped us in the matters of educational reform.

No system can be so perfect as to be above criticism; and no one should be censured for making it. Let us rather listen to criticism, when made, and examine it. If it be deserved, let us profit by it, from whatever source it may come; if not, it can, at least, have done no real harm.

Before leaving this subject, upon which I have, perhaps, already spent too much time, I desire, at the risk of being considered a revolutionist, to call your attention to one feature in our present scheme of common school education. I do it, not so much with the view of precipitating any radical change in the sys-

tem, as to that of taking some steps which may eventually lead to a modification of some of the more objectionable features of it.

The question to which I refer, and which I think deserves the deliberate, patient, intelligent and unprejudiced consideration of our school authorities, is, whether our graded schools, as such, and as they are now conducted and managed, have not, for all the purposes of the best popular education, in its largest and truest sense, proved substantially a failure. It is a question which, I am persuaded, must be met at no distant day; and the more we shall have examined it, generally and in detail, and made ourselves acquainted with it, the better prepared shall we be to meet it.

That the system has some advantages, more particularly of an administrative character, will not be denied. It has the ability to deal with a larger number of scholars, in the same length of time, perhaps, than any other. But the dealing is not of the right kind. It is the pouring in, rather than the drawing out. It always crams, but rarely teaches. And the question which is now agitating the minds of some of our best educators is, whether the sacrifices demanded *by* it, are not too great for the benefits derived *from* it; whether there is not more lost in the *quality* of the teaching than there is gained in the *quantity*; whether the whole system is not too mechanical, too artificial, dealing too much with formulas and too little with ideas; whether the attempt to apply the same treatment to different minds and different temperaments, the dull dragging down and impeding the bright and active, for the sake of carrying them along together in the same grade, is not worse than useless—positively ruinous; whether there is not great danger in the attempt to bring all diversities of gifts and talents which may be found in the different members of a school into one arbitrary line, for the purposes of a general treatment, applying to each and all the same inflexible and unyielding rule, and so incurring the risk of crushing out every trace of the natural and the true, in the pupil, and substituting the more shapely and comely, perhaps, but less desirable, and less attractive form of the artificial and the false; whether, in brief, the process which the system calls for, has not the tendency, from its very character, to turn out from our schools mere machines, rather than thinking, reasoning, and well educated men and women.

# 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 Eleventh 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 the school authorities of the State.

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## ABSTRACT OF STATISTICS.

FOR THE YAER 1878.

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### I. POPULATION.

Population, Census of 1875, . . . . .	49,317
Estimated Population, . . . . .	52,000
Children between the ages of five and fifteen, May, 1878, . . . . .	9,406

### II. FINANCIAL.

Valuation, May, 1878, . . . . .	\$41,969,748 00
Decrease for the year, . . . . .	37,069 07
City Debt, December, 1878, less Cash and Sinking Fund, . . . . .	2,343,621 41
State, county, and city tax, 1878, . . . . .	674,062 11
Rate of taxation, . . . . .	.0154
Value of school houses and lots, . . . . .	841,417 00
Other School property, . . . . .	55,197 40
* Ordinary expenses of Schools, . . . . .	132,312 54
Per cent. of same to valuation, . . . . .	.0031
Per cent. of same to whole tax, . . . . .	.197
Repairs of school houses, furniture and stoves, . . . . .	5,512 87
	<hr/>
	\$137,825 41

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\* See detailed statement in Secretary's report.

Permanent improvements to school houses, . . . . .	\$1,613 94	
New furniture, etc., . . . . .	388 80	
Rents, . . . . .	1,461 75	
		<u>\$3,464 49</u>
Expended for all purposes, . . . . .		\$141,289 90
Charged by the Auditor, . . . . .		980 84
Average cost per scholar for all schools, including ordinary repairs, . . . . .		17 09
Same last year, . . . . .	\$18 88	
Cost of Evening Schools, . . . . .		2,097 88
Average per scholar, . . . . .	7 47	
Cost of Evening Drawing Schools, . . . . .		601 10
Average per Scholar, . . . . .	6 18	
Cost of High School, . . . . .		16,394 23
Increase, . . . . .	241 83	
Average per scholar, . . . . .	35 77	
Decrease, . . . . .	3 77	

## III. SCHOOL HOUSES.

Number occupied December, 1878, . . . . .	36
Rooms, not including recitation rooms, . . . . .	170
Rooms rented. . . . .	3
Drawing School rooms, recitation and Evening School rooms, additional, . . . . .	6
Whole number of sittings:	
In High School, . . . . .	502
Additional space for, . . . . .	97
Grammar Schools, Grades IX-VI, . . . . .	2,034
Secondary Schools, Grades V and IV, . . . . .	2,330
Primary Schools, Grades III, II, and I. . . . .	3,787
Suburban Schools, . . . . .	344

## IV. SCHOOLS.

High School, twelve rooms, . . . . .	1
Grammar rooms, Grades IX-VI, . . . . .	43
Secondary rooms, Grades V-IV. . . . .	46
Primary rooms, Grades III, II, I. . . . .	70
Suburban Schools, . . . . .	10
Northville, Tatnuck, Valley Falls, Trowbridgeville, Blithewood, Bloom- ingdale, Adams Square, Burncoat, North Pond, Chamberlain. . . . .	
Evening Schools, . . . . .	6
Washington street for boys; Walnut street for girls; Dix street, Belmont street, Cambridge street and New Worcester for both. . . . .	
Free Evening Drawing Schools, both sexes, . . . . .	5

## V. TEACHERS.

Male teachers in High School, . . . . .	6
Female teachers in High School, . . . . .	7
Male teachers in Grammar Schools, . . . . .	6
Female teachers in all grades below the High School, . . . . .	170
Special teacher of Music, male, . . . . .	1
Special teacher of Drawing, female, . . . . .	1
Number of teachers in Day Schools, . . . . .	<u>191</u>



Male teachers in Evening Schools, . . . . .	11
Female teachers in Evening Schools, . . . . .	14
Teachers in Free Evening Drawing Schools, male, . . . . .	3
Whole number of teachers, . . . . .	<u>219</u>

## VI. PUPILS.

Number registered in Day Schools, . . . . .	9,540
Increase, . . . . .	245
In Evening Schools, . . . . .	624
In Free Evening Drawing Schools, . . . . .	<u>120</u>
Number registered in all schools, . . . . .	10,284
Increase, . . . . .	383
Number over 15 years old, . . . . .	1,339
Increase, . . . . .	74
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, . . . . .	97
Average number belonging to public schools, . . . . .	8,064
Increase, . . . . .	613
Average number belonging to Day Schools, . . . . .	7,686
Increase, . . . . .	683
Average daily attendance in Day Schools, . . . . .	7,124
Increase, . . . . .	617
Average daily absence, . . . . .	562
Decrease, . . . . .	66
Number at close of Fall term, 1877, . . . . .	7,348
At close of Winter term, 1877-8, . . . . .	7,203
Increase from last year, . . . . .	286
At close of Spring term, . . . . .	7,307
Increase, . . . . .	455
At close of Summer term, . . . . .	7,422
Increase, . . . . .	612
At close of Fall term, . . . . .	7,873
Increase, . . . . .	324
Per cent. of daily attendance to average number belonging, . . . . .	93.9
Increase, . . . . .	0.1
Number perfect in attendance the whole year, . . . . .	573
Increase, . . . . .	74
Perfect three terms, . . . . .	703
Perfect two terms, . . . . .	793
Perfect one term, . . . . .	1,574
Number registered in High School, . . . . .	609
Decrease, . . . . .	34
Boys, . . . . .	306
Decrease, . . . . .	19
Girls, . . . . .	303
Decrease, . . . . .	15
Number at close of the year, . . . . .	480
Decrease, . . . . .	7
Number of graduates, June, 1878, . . . . .	56
Number left the school, . . . . .	125
Increase, . . . . .	32

Average number belonging,	458
Average daily attendance,	441
Average daily absence,	17
Per cent. of daily attendance to average number belonging,	96.4
Average age of pupils, December, 1878,	16.2
Average number of pupils to a regular teacher,	35

## STATISTICS.

The abstract above will furnish much interesting study for those who desire to ascertain what the schools are doing, and in certain respects how they stand, relatively, with former years. The statistics in the Secretary's tables, further on, also contain much valuable information from which to judge of the causes which may favor or hinder the progress of the pupils. As stated in a former report, however, these statistics can never show the real advancement of the children in the development of character, which is a prime object in all good schools, and in the attainment of sound scholarship and correct habits of study. The training of the mind and the growth of character are spiritual things — very different from the management of machinery or the making of boots and shoes. The results are spiritual, hidden, and unseen till they show themselves years later in the action of human lives. These results cannot be measured by per cents. any more than christianity can be estimated in this way. It would not be feasible to judge of a pastor's usefulness by the per cent. of religious character in the members of his congregation: Mr. A. seventy-nine per cent. a christian; Mr. B. eighty-five per cent. and so on. It is just as impossible to rate the value of a teacher, of a school, or of a system of education in this way. In order to form a correct judgment of either or of all them, it is necessary to make extended observation for a long time; and yet there are not wanting those who make up their mind and express opinions with great positiveness upon very insufficient data—sometimes upon the supposed results in scarcely more than a single family.

These statistics, which have been preserved in the same form through a long series of years, become valuable, like tables of mortality, as they cover longer periods of time.

In keeping the statistics of attendance, of tardiness, of scholar-

ship in the several branches of study which is done in the several schools, etc., the object is not merely to make a good showing; and of this the teachers should take note. That school is not necessarily nor presumably the best whose per cents. are the highest. The value of the school may even be diminished by too much effort for this result. In raising too high the standard of attendance, in the attempt to reduce the tardiness to zero, and in placing the standard of scholarship too high, pupils may even be driven from school altogether. There is a certain amount of influence which can be judiciously applied in all these directions. What this amount is, in the case of each individual pupil, can be determined only by a wise and careful teacher. The record is not an end in itself; it is only an indication of what remedy will probably be needful for any evil in the operation of the school system which may thus appear.

### SCHOOL HOUSES.

Within the year a house has been fitted up upon the lot on Grafton St., to which reference was made in the last report, containing two rooms sufficient for about one hundred pupils. The rooms, though comfortable are not permanent; and already they are more than full. Upon the lot on Winslow St., referred to at the same time, a substantial brick house of four rooms has been erected. This house has been occupied to its full capacity with more than two hundred pupils. Owing to the dulness of the times it has been built in a very thorough manner at the very moderate cost of \$13,000, including a lot of 25000 feet, in a thickly settled part of the city.

A few features of this house are worthy of note. The outside is plain and substantial; the roof is made for protection, and not to display cheap ornament; there are no gutters to fill with ice in winter and cause leaks in the roof; the basement is more than half its depth above ground; and being paved with concrete, and opening into the play grounds, it is very useful in rainy weather; the entrances are but one or two steps above the level of the ground, a half flight of stairs extending downward to the basement, and upward to the main floor; thus icy



steps in winter are avoided. The windows reach nearly to the ceiling; the ventilation is well provided for; the four rooms are heated by two hot-air furnaces; and the plan admits of the addition of four new rooms without materially disturbing the part already built, or erecting any more stairs or passages.

A new school house for a single school is in process of erection at the growing suburban settlement at Lake View, on the margin of Lake Quinsigamond.

The school house at South Worcester is more than full, many of the pupils coming from the neighborhood of the Adriatic Mills, between the Boston & Albany and the Norwich & Worcester railroads. Many pupils from this vicinity also go to the Woodland street school which, in some of its grades especially, is crowded. The time is not far distant when more room will be needed at Southgate street, where the lot is ample for a large house.

To show that further room is at present necessary, the report of the Committee on School Houses is here appended:

#### NEEDLESS EXPENSE.

“In two of the rooms at Oxford street, two teachers are employed for the instruction of only as many pupils as could be cared for by one. This involves the cost of one teacher's salary, \$450, that might be saved if we had sufficient room.

At Green street two rooms are hired at an annual cost of \$480, which could be saved to pay the interest on the cost of proper school accommodations.

At Providence street two attic rooms are used which are unsuitable, both because they are difficult to reach and because they are dangerous.

At Grafton street sixty-six pupils are crowded into a room suitable for not more than forty-five or fifty. If adequate room were provided, there would be saved nine hundred and thirty dollars per annum, a sum equivalent to the interest at five per cent. of \$18,600. This amount would more than cover the cost of the buildings which it is proposed to call for in this report.

#### WE RECOMMEND THEREFORE,

First, the immediate enlargement of the Oxford street school house on the plan substantially as set forth in our report to you at your last meeting; and

Second, the construction of a school house upon the Grafton street lot, similar to the Winslow street house.

The neighborhood around Oxford street is entitled to as good accommodations for its pupils as any other part of the city. In fact those pupils, as soon as they go beyond the Fourth or the Fifth grade, have to be scattered among the Walnut street, the Dix street, the Winslow street, the Woodland street, and the Sycamore street houses; and it sometimes happens that children from one family are sent to two or three of these places, unavoidably, because the nearer room of the appropriate grade may be full. But the parents, none the less, justly complain. The proposed enlargement would obviate much of this evil and keep members of the same family in one house till they reach the higher grades—the Eighth or Ninth.

The old house, fortunately without a mansard roof, is substantially, though plainly built; the bell-tower, whatever may be thought of it as an ornament, is likely to remain, and will serve to break up the monotony which the plan proposed might otherwise have. The yard will be no smaller than it is now, for the basement will be part of the play-ground. In so central a spot large play-grounds are generally impracticable.

And lastly, all the houses surrounding this are full, and in two of them, Dix street and Woodland street, basements are now used which ought to be abandoned. Three of the proposed new rooms would thus be filled with the present surplus of pupils; and judging of the natural increase in the future as in the past, the fourth room will be wanted before it will be ready, if work upon it is begun at once.

As already stated, one room at Grafton street numbers sixty-six pupils; the spring will undoubtedly bring forty more, and there is no place in which to put them.

The rooms in the attic at Providence street ought to be abandoned; but if abandoned and the proposed new house occupied, in a short time without doubt, they will have to be used again; for in spite of hard times and in spite of the repressive wisdom of any body, children continue to be born; and in pure self-defence, if not from motives of benevolence, they must be sent to school. The Green street railroad-station being abandoned, the scholars who now go to Providence street, can some of them be sent eastward to Grafton street, and those from Green street and Ledge street, as occasion may require, can be sent to Providence street. In Ledge street house one basement is used for a school which some think unsuitable; and in the assembly hall, which is needed and was designed for other uses, one school room has been partitioned off in the corner, besides the two rooms formerly finished in the south end of that hall.

The schools at East Worcester, at Ash street, at Salem street, at Ledge street, at Providence street and Green street, as stated above, and at Union Hill, are all well filled; and the large territory from which pupils are sent to all these schools would be relieved of its natural increase of school population by the proposed new house, by means of the transfers of pupils such as have been indicated above.

For these reasons and others which an intimate acquaintance with the subject in all its bearings will disclose, it seems to us that the interests of the city, economically as well as educationally, require the erection of this house also, as soon as may be."

### PUPILS.

The number of pupils has increased by more than five hundred within the year—enough to fill a large house of ten rooms. This is an answer to those who claimed, one year ago, that the school houses called for by the school committee were not needed. It would be very much better, both in the interest of the pupils, and in the interest of economy, if it were always assumed that those specially charged with the administration of schools are as patriotic, as frugal, and as competent to perform their duties, as the same men would be considered if engaged in any other branch of the public service. Had this always been assumed, some expensive delays in the construction of school houses, and the consequent embarrassment of the schools would have been avoided. Of these five hundred additional scholars, about three-fifths fill the new houses just described, and the remainder have been distributed among the other houses, in some instances crowding them as already stated. With this larger number the cost of carrying on the schools is very much increased; for it does not generally happen that the new scholars can be placed in those schools where there is room for them. A scholar from Grove street, for example, cannot be placed in a vacant seat at Quinsigamond. Hence, when there are 7,500 pupils actually in school, five hundred additional scholars would naturally add more than one fifteenth to the cost. If then, with this increase of pupils, the cost of the schools has not materially increased but rather diminished, economy has been practiced.

It should be observed also that the depression of business

operates to fill up the schools. When other business is dull the school business is lively—a fact often overlooked; and the school census shows an increase of 309 in the number of children of school age in the city.

### TEACHERS.

There are now in the employ of the city, one hundred and ninety-one regular teachers, besides the special teacher of music, the twenty-five teachers in the evening schools, and the three in the evening drawing classes. Of the regular teachers, one hundred are graduates of the Worcester Training School, or of one of the State Normal Schools. To any one familiar with the subject, there is no doubt of the great advantage of the special training which these schools give; it is far better for both the teacher and the pupils that the teacher should, as far as possible, learn the trade in a school provided for that purpose, rather than experiment with the children in our schools.

Besides what our teachers do for their pupils by way of instruction in the studies pursued, they do a work in the formation of character and habits of study, which is hardly appreciated by the public. Here is what one of them wrote about an incorrigible boy: "I have tried to teach him to be kind and pleasant, truthful and obedient, and to regard the rights of others. I have tried to be patient and to teach him by kindness; I have punished him when I thought it necessary, and have sent him to the principal a good many times. I do not think he has profited by my efforts as he ought."

Notice with what a good spirit that girl worked. When she seemed to fail she appealed to a higher authority; and it may be that after the weeks and months of hard work and patient interest in the welfare of the boy, such interest as a father or mother would feel, she was rewarded by censure from the parents because the boy did not do as he ought. It would be for the interest of the children, their parents, and the schools, if such teachers as this, and nearly if not quite all of them are of this kind, could hear approving words for what they do and try to do. They are often enough blamed for failures, real or supposed.



On the part of the teachers there is an amount of faithful work for which they do not get credit in the current talk. They suffer and the schools suffer from all sorts of ill-advised criticism by many people who seem to have not much else to do. Little short-comings are magnified; the salaries are made the subject of all sorts of comparisons; and a good deal is said that renders the teacher's position unpleasant. All this tends to drive from this important calling those who are best fitted for it, and who should be attracted towards it.

It would greatly improve our schools if the position of teacher could be made more secure, and if the question of salaries were left to a competent authority and made less the subject of public discussion. It tends to diminish the respect of a pupil for his teacher, and consequently to weaken the influence which the latter may exert upon the child, to hear the value and the importance of his service constantly belittled, as is so often done. When by sufficient length of service a teacher has once demonstrated his ability and fitness, he ought to continue in his position without the annoyance of an annual election. The question of salary should not be hawked upon the street like an auction of old furniture or superannuated horses.

### READING.

Whatever importance may be attached to any other of the school studies, all urge the prime importance of good reading. To this, much attention is paid in our schools. A majority of the pupils can read well; but it is probable that more time might profitably be devoted to practice in reading in many of the schools.

Elocution is an important part of reading, but not the chief part, as it should be taught in school. After the elementary steps, the main thing in learning to read well is to grasp the thought; and then, if reading to another, to express the thought by the voice. For these ends the matter should be within the pupil's comprehension. A pupil can learn to read really well, only as he advances in knowledge. Reading should accompany every other branch of elementary study. Much



practice is required. There is no way to learn to read, like reading. A good reader is not one who has been drilled in a few selections till he can imitate somebody's tones and inflections, but he who can first take in at sight, and then express with his voice the thought of the author. After the first steps no finical corrections ought to be made while a pupil is reading. If he has so grasped the thought that he unconsciously substitutes an appropriate synonym, this is an excellence. It is often treated as a blemish. In the more advanced stages no child can become a really good reader by poring over his exercise a long time before reading it aloud. He ought frequently to practice reading at sight. In this way the eye learns to read a line or so in advance of the voice.

### WRITING.

There is no special teacher of penmanship in our schools; none is needed, for the children as a whole write as well as if they had one. There is an exercise in writing from a copy, several times a week. In this way a knowledge of the correct and graceful forms of letters is learned. Besides this, there is a great deal of writing required in the preparation of other lessons, especially the lessons in language.

The aim in this study is to acquire ease, rapidity and legibility; and the less ornament the better. The correct position and holding of the pen belong to the early stage. When one is obliged to write much, as many people do in after life, the easiest position is the best; and this has to be varied. There is also an individuality shown in each person's hand writing. This individuality it is not best to suppress altogether in children. Any person who takes the trouble to examine, will be pleased to notice the ease and the skill with which our pupils can express their thoughts on paper. In a few instances children are found who write with the left hand only; this habit ought to be broken up before the child leaves grade Five, unless it be firmly fixed. Children in our First grades learn to write on the slate almost before they learn to read. They use script letters, not print.

## SPELLING

Is taught both from the spelling-book and from the words found in the several text-books in use, and such words as the pupils have occasion to use in the various exercises proposed by the teachers. Good spelling is an evidence of accurate scholarship; but a misspelled word is of far less consequence than weakness of expression or illogical thought. It has been said that pupils in these days are not so good spellers as they were years ago. If this be true, it may be accounted for by the vastly greater number of words in common use, than were employed fifty years ago by common school children. This enlarged vocabulary is due to the daily papers. The good speller of that day, with whom the comparison is made, was one well versed in Webster's Spelling-book whose words, all in columns, he could spell. If required to write half-a-dozen pages, as our pupils do, it is doubtful whether he could spell any better than they.

Some people object to the use of a spelling-book, and discard it entirely, depending wholly upon the other books in the hands of pupils to spell from. In this way a valuable aid in learning to spell is lost: the law of association on which a good spelling-book is founded.

The safest course seems to be between all spelling-book and no spelling-book; that is, while taking advantage of this law of association, and making use of a good spelling-book, the teacher should insist that the pupil notice the spelling of words as he sees them. Call upon him to spell the words of an extract which he has read but once.

But it is of prime importance in making good spellers, that the habit of consulting a dictionary should be early acquired and never given up; and this not only for the spelling, but also for the correct and intelligent use of words. It is one of the worst intellectual habits, to use words without some definite idea of their meaning; and yet this habit is very common among grown people. Spelling-book or no spelling-book, every child in the Fourth grade and upward should have a dictionary, large or small, and be taught to use it.

On this subject the important thing for a child to acquire is

the spelling habit; that is, the habit of first noticing every word he sees; and second, looking up every word he has occasion to use whose spelling he does not *know*. A good speller is merely one who has this last habit; for nobody can spell all the words in our language, and those who make fewest mistakes—the most learned men of the town—simply use the dictionary most. There are certain words which each person can spell; a good speller separates these from all other words by a sharp line, and looks up the uncertain words; a poor speller draws no well defined line, and blunders. The best thing for children to learn is to draw such a line; and then to bring as many words as possible to the right side.

#### ARITHMETIC.

Number is taught in the First grade and continued to the High School; here, it is succeeded by algebra, geometry, etc. In the first step the ideas are made definite by the use of material objects and marks; these combined and separated explain to the child's comprehension, addition and subtraction; and the rest of arithmetic is only the expansion of these two—a fact not always kept clearly before the minds of pupils.

As the pupil advances step by step in arithmetic, he is compelled to make a logical analysis; that is, if he has any adequate understanding of the subject. He may write history from memory; he may repeat facts in geography, and state formulas about constructions and relations in the English language, as he has learned them; but in arithmetic, if he does anything outside of a mere parrot-like routine, he must rest upon the foundation of his own reason. It is true that if well taught, he will reason at every step in each of those studies; in this he is compelled to use and rely upon his own reason—he is compelled to reason or do nothing. Hence, in training the mind at the elementary stage which we are considering, no study is of more importance than this.

The reasoning and the process should go hand in hand. The reasoning is a very simple thing if the child's mind is sufficiently developed to grasp it; but there is danger that it may be obscured by the form of words in which it is expressed, and

that the form may be allowed to keep the attention from the substance. The skillful teacher will insist upon the substance, and not too much upon the expression. And here another difficulty is met: that the child must learn the expression at the same time; but to overcome this difficulty is in itself a highly useful training. Young teachers sometimes fall into the error of trying to explain in words that which is of the nature of an axiom. Two and three are five. When a child finds this out by counting two pebbles with three pebbles and gets the result five pebbles, that is all there is to it; and yet a long process of what passes for reasoning, something like the following, has been heard: Two and three are as many as the sum of two and three; the sum of two and three is five; therefore two and three are five!

In some children the mathematical faculty is developed late, and they find it hard to understand what is easy to most pupils of their age. There is flexibility enough in the arrangement of our schools to allow these children to go on if they are competent in other respects, and make up what they lack in this study when they are older; and of this flexibility we ought to and do avail ourselves. It is not unfrequent that a boy very deficient at eight or ten years of age will at twelve or fourteen master the whole subject easily. Cases of this kind can be pointed out in our schools. And in some children the mathematical faculty is feeble. This is not a reason why the study should be given up; on the contrary, it is the strongest reason why the faculty ought to be developed.

In some private schools the study of arithmetic is almost wholly ignored; language, history, music, and literature take its place, and the pupils are not less polished members of society; but in these the mind lacks a power which it ought to have.

It is thought by some that too much time is spent in our schools on this subject. If so, this is because we attempt at an early age that which ought to be deferred till later; an attempt forced upon us to a large extent, by the early withdrawal of pupils from school. That this immaturity of pupils does cause a waste of time in this study, there is some reason to believe; but that too much is required, will not so readily be admitted.



## GEOGRAPHY.

There are two theories as to how this study should be begun: First, that the earth as a whole, a planet in space, should be brought to the attention of the pupil, and then studied in its parts, the continents, islands, oceans, seas, etc. Second, that the child's immediate neighborhood ought first to claim his attention; and that he should then be led to consider a broader extent, and finally the whole earth. The first is the scientific method suited to a somewhat advanced period of scholarship; but it calls for the exercise of a strong imagination and an acquaintance with elementary truths which the child does not possess; it is unsuited to many children. The second is adopted in the First grade. The child sees objects upon a table, learns to describe the position of each, and then to draw upon the slate a map of the table and indicate the location of each object. From this he advances to a map of the school room with its furniture; then of the school yard, its trees, walks, fountains, boundaries, etc.; then to a map of the immediate neighborhood, its streets and houses, or the adjoining fields. He now understands what a map is, and how it represents places. His imagination can picture what is meant by a map of the town beyond his sight, the county which he has not seen as a whole, and so on to the State and to distant countries and continents. His imagination thus steps from the region of the known to the unknown. Later he will be prepared in imagination to view the earth as a whole, a planet in space, and to fit his parts to this whole.

After this preliminary study our pupils take up a familiar text book describing the physical and social features of parts of our own country and other countries; they next advance to a more minute description of the United States, Europe and something of the other countries; and in the higher grades they go over the same and complete the general geography of the earth. This plan has been adopted in order that pupils who leave early may not be wholly ignorant of their own country; at the same time, those who continue in school, study with not less interest that of which they already know the outlines. As the



range of knowledge grows wider and wider, and facts accumulate, these facts are arranged in cyclopedias for reference; it is less possible and less necessary to rely upon the memory for them; it is of vital importance to know where to look for them. It is a serious waste of time for a child to learn the population of cities, the area of states, the length of rivers, etc., except comparatively and in a general way. For all similar facts cyclopedias are at hand. What he should be taught is the outline, the salient features, and not the details. Only a slight knowledge of the earth can be learned in school. The aim should be and is, to interest the pupils in the study and to put them in the way of further knowledge. For this purpose passing events are seized upon and the places where they occur are studied; the articles of commerce, where they are produced and why there; the food and clothing in our houses, whence they come; the great centers of agriculture, of manufacture, of mining and of trade, what is said of those in the daily papers; all these things, brought up incidentally, teach how one may always be learning geography; and these means are largely adopted in most of our schools. The aim is not to teach all of geography, but so to teach it that the pupil will become a constant learner.

#### LANGUAGE.

Our schools attempt to teach the English language, and not merely grammar. From the first year the child is taught to construct sentences; and his errors of expression are corrected, both in speech and in writing. A little later he learns the most simple classification of words; further on the properties of the parts of speech and the syntax of the language; but all through, it is the design to subordinate technical grammar to a knowledge of "how to speak and write the English language correctly," and to some perception of the force and the beauties of that language. There is much to be done in this difficult and important branch of study. In neither relying wholly upon the study of grammar, nor ignoring it entirely, there is more or less inequality of instruction in different schools of the same grade. Some teachers are more capable than others in this direction.

But it is believed that the pupils, as a whole have gained and are gaining in the handling of English. It would surprise one unacquainted with the present way of doing things, to see in what good language pupils who cannot "parse" very well, can express their thoughts. One very important thing they learn, which not every one at present in active life practises: To have something of their own to say before they express themselves — and then to say it.

### HISTORY.

This study is regularly pursued only one year before the High School, and is confined chiefly to History of the United States. All else in the grammar schools is done incidentally by individual teachers. The ninth grade is crowded by this study; the pupils have not time in a single year to digest well the United States for two hundred and fifty years. It ought to be taken up as a pastime, by lectures from the principal, familiar and entertaining, and by reading, one or two years before; and in the geography, a few snatches of interesting and lively history ought to be interspersed, as a sort of bait to entice children to want to study it more; for after all, it is the men and women who have lived, or who are living in a place, what they did as well as what they are doing, that makes that place more interesting than another.

It is not the plan nor the custom in our schools to give verbal recitations in this subject. Only the principal dates are memorized, and but few of them. The philosophy, the causes and effects, the general sweep of events rather than successive occurrences strung on a chronological string, are sought; and quite generally they are attained.

### DRAWING.

In the grammar and lower schools two lessons a week are given in this subject by the regular teachers. It has been assumed that they are competent. This is the only strictly "practical" study. It was introduced years ago in response to a demand from the artisans of this manufacturing city. It is

not a fine art at all as attempted here, whatever phase it may take on elsewhere. It has nothing whatever to do with making pictures, as some people who talk about it, seem to think. To object to it on this ground is like objecting to learning to write because some who learn may write poetry. It takes very little time; and this serves as a recreation. If any popular misconception were to abolish this study, it is only a question of time as to its subsequent reinstatement; though whether it formerly may not have monopolized an undue amount of time and attention, is a fair question.

### MUSIC

is taught by a special teacher who visits each school above the Fourth grade for one half-hour's lesson a week, three weeks in four; the fourth week he divides among the suburban and the primary schools. The regular teachers drill the pupils on the exercises given, and conduct the singing which is interspersed among the school tasks. As a part of education, music does not end with mere learning to sing; it is not a merely "ornamental" study; its effect upon the reading, the discipline, the health and the character of pupils is marked. On this subject the excellent report of the Omaha schools, says:

"Who will measure its kindly and constant influence in never ending private conversation? Who, its influence on health, the power of endurance and longevity, by making habitual the full and unconstrained use of the lungs? Who, its humanizing power, through the medium of song? Let those who oppose it in the public schools consult history, consult science, consult honestly their own hearts, and withdraw further opposition."

These last two can hardly be regarded as studies; they are of the nature of a diversion or recreation, like the recess, to prepare the pupils to learn; the proposition to abolish the recess at each session in order to save the time for study, would not be more absurd than other suggestions that have been heard about schools. For instance, that because teachers are paid for a day's work the school ought to keep open ten hours, like other places of business. The conditions under which pupils study are quite

as important as the time spent. Before the seed is put in, the ground must be prepared, and afterward cultivated.

The above list comprises all the studies with which our schools are "crowded."

### THE INFLUENCE ON CHARACTER.

The usefulness of the schools, however, is by no means confined to what pupils learn in these branches of study. They learn how to study; they acquire a thirst for knowledge; they develop a taste for good reading; by strict attendance at school they acquire habits of regularity, most useful through life; by contact with other pupils they learn how they themselves compare with others equal in age; by this association and the necessary regard for the rights of others, they take their places as members of a civilized community, and do not become boorish; by submission to discipline and wise authority they become obedient to law, which makes good citizens; they are taught to be dutiful and truthful; as occasion arises, their generous impulses are stimulated and their selfishness is restrained; above all, there is before them, day by day, a person of superior intelligence and character, who, by example, imperceptibly but constantly moulds their character. It cannot be admitted that moral training is absent from our schools; in nothing is the influence of these schools more marked; if individual exceptions to the high character of our teachers can be pointed out, the general truth remains. Sectarian training, it is true, is very properly absent; the moral training is positive.

### THE CHARACTER OF OUR PUPILS

is a source of just pride. They are young ladies and gentlemen in conduct, though boys and girls in age. Rowdiness and insubordination are unknown in the schools. Fifty years ago they were not unknown. On the street, in public halls, towards older people, and in self-control everywhere, they show the effects of good training, however "military" that training may be thought. It is rare that a pupil is saucy to his teacher. For

more than ten years in this place where it has often been necessary to come into unpleasant relations to some pupils, I have never heard an impudent word. The good conduct of the children in school is remarkable; this conduct evinces an inward grace. They ought to know in this public way that it is observed and appreciated.

### TEXT-BOOKS.

Slavery to the text-book, following it rather than the subject of it, is an evil often seen in schools; hence some people wish to abolish the text-book entirely. A broad and thoroughly trained teacher, capable himself of making a good text-book, could get on well without one; but most teachers are not of this character. Moreover, one of the chief uses of schools is that pupils may learn how to use books; if not, when away from the teacher they have no resources for acquiring knowledge. We retain text-books, therefore, with the design that they shall be properly used and not abused.

The cost of these books is a serious item to many parents; but the books need not be thrown away; they are interesting and useful after the school is done. The aggregate cost of text-books would be diminished from one-third to one-half if the books were owned by the city and lent to pupils; this is the practice in some cities of the Commonwealth. But this smaller cost would then fall upon the property, whereas, now it falls upon the parents. The change is not recommended here because the cost of what is already furnished by the public has raised up enemies to the schools.

It has been recently announced in public, and applauded, that frequent and needless changes in text-books are a burden to the people. So such changes would be. It is a burden for the mounted police horses to be shod with gold; but are they shod with gold?

Would those who talk about changes in text-books, and those who applaud, like to know the facts in the case? No city makes so few changes. The reading books have been in use five or six years; those displaced had been used fifteen or twenty



years; the copy books and spelling book, nobody knows how long; the arithmetic about twenty years; the geography twelve or fifteen years; the history eight or ten years; a change in the grammar was effected gradually, without cost, some five or six years ago.

As pupils advance in study they must of course have a higher book. Of course, also, improved text books must occasionally be had, just as better tools are bought in shops. The school authorities may safely agree not to change text-books so long as the factories and shops will agree to buy no new machinery or tools.

### THE HIGH SCHOOL.

It was unfortunate for the city to lose from the principalship of this school, in the middle of the year, a man fitted by nature, by experience, and by scholarship to adorn the place, and attached to both pupils and citizens by three or four years' acquaintance. He had been in the school long enough to get every part well in hand; he was no longer looked upon as a new-comer; the business of the school alone occupied the minds of the pupils. His influence was in the direction of noble manhood and womanhood, and not merely of the narrow technicalities of study—just the man for training youth.

By rare good fortune a successor was found who has already shown that all this can be said of him. By experience, scholarship and good sense, he was able to take the helm without any set-back to the school, and with less of the shock of change than was to be expected. Now the question arises, how long will it be before the dangerous experiment of a change will be tried again? The history of this school for the last fifteen or sixteen years is not reassuring. In all that time no principal has remained long enough to see a single class go through the course. With so frequent changes, it is surprising that the school has any character at all—much more that its character is so good. Now that a thoroughly competent man is at the head, his place ought to be made secure for ten years; and now that business is depressed, the salary ought to be irrevocably fixed; and nobody else ought to be allowed to out-bid us and take

the man away. This city can afford to pay such a man what any other city can afford; it is not economy to do otherwise.

As showing by whom the privileges of the High School are enjoyed, the following is of interest:

Number of pupils whose parents (many of them widows) pay no tax,	40
Number who pay poll tax only,	123
Who pay tax on \$1000 or less,	49
On \$1,000 and less than \$2,000,	55
“ 2,000 “ “ “ 3,000,	34
“ 3,000 “ “ “ 4,000,	29
“ 4,000 “ “ “ 5,000,	18
“ 5,000 “ “ “ 10,000,	66
“ 10,000 “ “ “ 20,000,	45
“ 20,000 “ “ “ 50,000,	28
“ 50,000 or more,	12

By a somewhat arbitrary and rough classification, the occupation of the parents is as follows:

Professional,	41	Merchants,	60
Manufacturers,	67	Farmers,	15
Mechanics,	149	Contractors,	5
Laborers,	45	Unknown,	17
Capitalists,	3	Widows,	42
Agents and Clerks,	49	Non-residents,	6

This school is emphatically a democratic institution. To their mutual advantage, children from families of every degree of wealth here meet on common ground. The parents of these children represent every industry in which the people of the city are engaged. This is not the rich man's school; for the man who pays only a poll tax or no tax, sends his child to it. It is not the poor man's school; for the man taxed for his hundreds of thousands finds no better place in which to educate his children; and between these extremes every class is fully represented. The same is true of all the lower schools tributary to this. “The rich and the poor meet together; the Lord is maker of them all.”

The following is the programme of the graduating exercises,  
June 25th, 1878.

## PROGRAMME.

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### MUSIC.

CHORUS : "The German Fatherland."

*Reichardt.*

1. Salutatory, with Essay : Duties of young Men, with reference to active Life.

GEORGE SPRING TAFT.

2. Essay : Monuments.

MARY GERTRUDE GRIGGS.

3. Essay : The Philosopher's Stone.

ANNA DANIELS STOWELL.

### MUSIC.

SEMI CHORUS.—"Come, sing while our Silk we gather."

*Gounod.*

4. Oration : Charles Sumner.

JOHN IRA SOUTHER.

5. Essay : Que Sais je ?

ELLEN TYLER CHEEVER.

6. Oration : Constantinople.

PHILIP MOEN WASHBURN.

7. Essay : The Marble waiteth.

\*MARY AUGUSTA BICKNELL.

### MUSIC.

CHORUS.—"Far away the camp fires burn."

*Mercadante.*

8. Oration : By courage, not by craft.

FRED. H. CHAMBERLAIN.

9. Essay : Labor the Universal Law.

CARRIE ELLEN GRIGGS.

10. Essay : High Aims.

SARAH L. WHITE.

11. Oration : Circulation in Plants.

\*CHARLES PHILIP HUNT.

### MUSIC.

DUET :—"Fairy Dell."

*Abt.*

12. Essay : The City of Worcester.

\*EMMA FRANCES OTTO.

13. Essay : Queries, Have we a sphere ? Can we be what we wish to be ?

ALICE ELIZA MERIAM.

14. Poem : The Spirit of Freedom.

MICHAEL JOHN RIORDAN

15. Essay : Darkness brings out the Stars.

FLORENCE SNOW.

### MUSIC.

CHORUS :—"The Earl King."

*Callcott.*

16. Essay, with Valedictory : Physical Culture of Girls.

EMMA GODDARD.

Presentation of Diplomas by His Honor the Mayor.

## CLASS SONG.

BY GRACE WHITING.

How fast the moments glide away,  
In school-days' happy hours!  
When minds are fresh and hearts are gay,  
The future grandly towers.

Friendships are woven, firm and strong,  
Which last till life is done;  
And pleasant memories linger long,  
As clouds at set of sun.

But school-days end, and hands must meet,  
As farewell words are said:  
Each one steps forth in noonday's heat,  
Through untried paths to tread.

Still keep secure deep in thine heart,  
These hours so fair and bright;  
And where in life thou bear'st thy part,  
They'll shine with fadeless light.

## MUSIC.

CHORUS :—"Night's Shade no longer."

*Rossini.*

The Chorus consists of pupils of the High School.

GEO. W. SUMNER, ORGANIST.

S. RICHARDS, CONDUCTOR.

Miss ISABEL J. GIBBS. Class of '78, Pianist.

GRADUATES.

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George Fuller Barnard.  
Anna Barton.  
Frederic Russell Bartlett.  
Mary Augusta Bicknell.  
Eva Thurston Blenus.  
Eugene Francis Brosnihan.  
Fred. H. Chamberlain.  
Ellen Tyler Cheever.  
Nettie Mabel Clarke.  
E. Nannie Cobb.  
Michael Joseph Courtney.  
Emma Frances Dearborn.  
Nicholas Joseph Drohan.  
William Thomas Finneran.  
Thomas Joseph Fitzgerald.  
Lizzie Adelaide Forbush.  
Hattie Grant Gates.  
Isabel J. Gibbs.  
Emma Goddard.  
Carrie Ellen Griggs.  
Mary Gertrude Griggs.  
Etha Emmazetta Higgins.  
Edward Earle Hopkins.  
Nellie Houghton.  
Carrie Ellen Howe.  
Charles Philip Hunt.  
Arolin Lovilla Johnson.

Catherine Elizabeth King.  
Fred. E. Knight.  
Maggie Agnes Mahony.  
Daniel Francis McGillicuddy.  
Alice Eliza Meriam.  
Sarah S. Metcalf.  
Emma Frances Otto.  
William Joseph Palmer.  
Arthur Charles Perry.  
Ralph Leon Phipps.  
Emma Louisa Richmond.  
Michael John Riordan.  
Maria Eugenie Sherman.  
Florence Snow.  
John Ira Souther.  
Addie Louise Stearns.  
Anna Daniels Stowell.  
Thomas P. Sullivan.  
Helen Swan.  
George Spring Taft.  
Nellie Olive Thayer.  
Philip Moen Washburn.  
Anna Theresa Weixler.  
Lucy Stella Whitcomb.  
Camilla Gertrude Whitcomb.  
Sarah L. White.  
Grace Whiting.



## THE STATE NORMAL SCHOOL,

though "not a city school," operates favorably upon the schools of the city, both because some forty of our teachers have been trained there, and because of its influence in elevating the tone of teaching. The city has invested in that institution \$15,000, which pays ample dividends.

The apprentice system, so called, was first inaugurated here; it has been adopted in at least one of the Pennsylvania Normal Schools.

Instruction in a school of this kind presupposes a large degree of academic culture, and is devoted mostly to training in what concerns the art of teaching. This must be largely theoretical. If this were all, its graduates would find difficulty at first in practice. Moreover, not every good scholar has an aptitude for teaching. To guard against that difficulty as far as possible, and to discover and eliminate from the school those who have not that aptitude, is the purpose of the apprentice system.

For weeks and months, as long as possible, the students go among the schools of the city and are helpful to the teachers; they see how things are done; they take charge of the school more or less, each remaining in one school several weeks and then visiting another. In this way the theory and the practice explain each other; the student of pedagogy learns how to teach by teaching. This plan, thus briefly outlined, is better than a school of observation, for the young teacher does, as well as sees; it is better than a model school, for the dealing is with real pupils, and not with little dummies, so to speak, who have been often practiced upon; and the student sees many schools and comes in contact with the individuality of many experienced teachers. She gets the swing of the school, as it were, just as one best learns a language among those who speak it.

Management, ability to perceive what ought to be done and what can be done, to do that and not attempt the rest, what Mrs. Stowe calls faculty, is essential for a teacher. It can be developed; but it cannot be created. Scholarship alone will not make a teacher. A dictionary is full of knowledge and very useful, but no teacher. This faculty finds a chance to grow in

the Normal School. Young teachers will not, of course, have it at first, like those of long experience; but those who have been well trained will acquire it faster than others, and then surpass them through the reserve force of a broader culture.

### THE ORGANIZATION

of the schools has not been materially changed within the year. On that subject reference is made to the report of our schools for 1871, pages 27–30; to that of 1872, pages 28–29; to the historical sketch in the report for 1876; and to the Inaugural Address of Mayor Edward L. Davis, January, 1874—title, Schools. It appears that this classification was begun soon after the incorporation of the Center District in 1823. About the year 1842 a closer classification had been made; and with the great increase in school population, it afterwards became more minute. When the city becomes still larger it is probable that further division of classes will have to be made, as is now done in the excellent schools of St. Louis, and in other large cities. It is impossible for city schools to be taught otherwise than in grades. This organization was not *made*; it grew, as exigencies step by step called it forth. It will live till something is devised that will better perform its functions. No such plan has as yet been proposed.

### POWERS OF THE SCHOOL COMMITTEE.

This body has been regarded by some persons as a department like the Fire, the Highway, or the Water department, created by and accountable to the City Council. This misconception has led to delays in building school-houses, and sometimes to unnecessary expense; as in printing the school report last year. It is the duty of the City Council to make appropriations for school purposes, and to build school-houses which are needed and called for by the school committee; but the entire control and management of the schools belongs to this committee. They are not accountable to the city council for their administration of the schools, any more than the council is accountable to them for their management of high

ways. Members of the School Committee are responsible to their constituents, as members of the council are responsible to theirs.

On this subject the following from the report of the Boston School Committee for 1878, is applicable here:

“By their votes the citizens of Boston have elected us to exercise the powers in the management of the schools delegated to school committees by the Legislature; we are responsible to the citizens of this municipality, and not to the Council, for our action; we are elected by the people to represent them and to exercise their powers in school affairs, and neither branch of the City Council has supervisory powers delegated to it, directly or indirectly, by law or by usage.

“The School Committee are an *independent body*, intrusted by law with large and important powers and duties,’ says the Supreme Judicial Court of this Commonwealth; and again: ‘The Legislature have imposed *on the* (School) *Committee* the duty of seeing to it that the public schools are in a condition of character best calculated to advance the improvement and promote the good of the pupils.’

“The City Council has no connection with the schools, except in the matter of voting the necessary appropriations to carry them on. But even this particular power is limited, for the School Committee have entire control in fixing the salaries of teachers, and the city is bound by the contracts thus made by the School Committee. ‘The power to fix the compensation (of teachers) is chiefly entrusted to the committee for the full, appropriate, and most useful discharge of their duties. This power the Legislature, for the most satisfactory and conclusive reasons, have expressly given them.’ [Bachelder vs. City of Salem, 4 Cush. 599.] In some of the large cities of the Union the powers of the School Committee are even greater than they are here, they exercising the right of making the tax levy for public school purposes. \* \* \*

“It cannot be said that the School Committee are less careful of the city's interest than any other branch of the city government. \* \* \* In the salaries of teachers, and in the incidental expenses of this most important branch of the city

government, the Board have carefully, and, it is to be hoped, not unjustly, brought their needs to a minimum."

### THE FREE PUBLIC LIBRARY

is so important a factor in popular education, its connection with the schools is so intimate as to demand a word in this place. Good schools have reference to future study full as much as to present attainments. Our pupils take books from the library; our teachers in many instances encourage this practice, and try to guide them in their selections, and to cultivate a taste for profitable as well as entertaining reading. Some of the studies in the schools, especially the High School, are so conducted as to induce pupils to search in the library for facts, and to create an interest in literature. In some of the schools more ought to be done in this direction.

There is, however, a widespread misapprehension about the utility of reading. Some people seem to think that a boy is necessarily improving if he has a book in his hand. Whether he is or not depends altogether upon what he is reading. He may be receiving positive injury. Sensational stories, giving false ideas of life and character, are the source of untold evil.

In the selection of books for both public and private libraries, two theories have been acted upon: First, to select those books only whose influence is salutary; and Second, to select such as will be read, including the most sensational, in the hope that, a habit of reading having been formed, the boy will afterwards acquire a taste for what is improving. The last seems to some people like trying to create an appetite for bread by feeding a child upon candy.

At any rate, good books and bad books are within the reach of our children. The aim of the schools should be to cultivate a discriminating taste in the pupils; to introduce them to the calm and rational delights to be found in books of elevated tone, and to contrast those delights with the disgust at their own life and surroundings, the nausea, that comes from reading trash. Such a healthful influence is to be found in our schools; and the library coöperates. It is the city's university.

## IN GENERAL.

You are to be congratulated, members of the School Committee, the city, parents and children are to be congratulated on a year of quiet work and fair progress in our schools; in the face of obstacles engendered by the times. That there is chance for improvement in these schools, everybody knows; that they are perfect, nobody ever thought of claiming; that the public are not in danger of letting slip their great birth-right of popular education, through apathy, is evident; for they have been often warned, and when a real danger threatens they come to the rescue.

There are criticisms upon the schools. With more than eight thousand children, the dearest objects to their parents, it is surprising that there are not more complaints; with two hundred teachers, some of them comparatively inexperienced and nearly all of them without children of their own, it is surprising that there is not more just cause of complaint.

A real grievance can be easily remedied by consultation with the teacher, by appeal to the committee, or if this fails, to the school board itself; and if these representatives, many of them fresh from their constituents each year, were to fail in their duty, the people may be trusted to take the matter in hand as our fathers once did the tea in Boston harbor.

A fancied grievance is a different matter; it evaporates when put on the plain course of fair investigation; it lives only in loud declamation on street corners, and in letters to the newspapers; and it expands with every repetition. One such case makes more talk than is made about ninety-nine children who go faithfully about their duty, and whose progress is satisfactory to themselves, their parents, their teachers and the school authorities.

Criticisms upon schools are very much the fashion. They are not to be feared, but rather courted. It is by judicious criticism that any good institution is made better; while unwise criticisms do little harm; and they may be amusing to their authors — and others.

That the intelligent people of this city are, on the whole, well



pleased with our schools, and with the progress of their children in them, appears from the following: In no city of its size are there fewer private schools. Of the eight thousand children actually in school, the number of complaints from parents about the progress or the treatment of their children, is insignificant, as is shown by the reports of each member of the board from month to month. No better proof of the excellence of our schools could be furnished than their calm and steady progress in these times of depression, and in the face of much irrational criticism.

With renewed acknowledgements of courtesy from those with whom official duty has associated me, this report is

Respectfully submitted,

A. P. MARBLE,

*Supt. of Schools.*

WORCESTER, January, 1879.

# SECRETARY'S REPORT.

## FINANCIAL STATEMENT.

### RESOURCES.

Books, &c., sold, . . . . .	\$235 98
Dividends, insurance, . . . . .	15 06
Desks, lumber, etc., sold, . . . . .	96 95
Tuition, non-resident pupils, . . . . .	31 00
Miscellaneous, . . . . .	9 60
From appropriation by City Council, . . . . .	141,289 90
	<u>\$141,678 49</u>

### EXPENDITURES.

Salaries of Teachers, . . . . .	\$110,166 55
Salary of Superintendent, . . . . .	2,677 50
Salary of Clerk, . . . . .	800 00
Salaries of Truant Officers, . . . . .	1,800 00
Fuel, . . . . .	5,414 33
Janitors, . . . . .	5,429 80
Cleaning buildings and yards, . . . . .	1,043 58
Brooms, brushes, pails, etc., . . . . .	591 88
School Books, . . . . .	1,173 02
Stationery, ink, etc., . . . . .	665 91
Apparatus, . . . . .	462 66
Printing and advertising, . . . . .	716 45
Tuning and repairs of pianos, . . . . .	124 50
Horse hire, . . . . .	267 75
City Water, . . . . .	379 71
Gas, . . . . .	397 40
Miscellaneous, . . . . .	478 08
	<u>\$132,589 12</u>
Less income, . . . . .	276 58
Ordinary expenses of schools, . . . . .	\$132,312 54
Ordinary repairs of school houses, . . . . .	4,101 22
Ordinary repairs of stoves, . . . . .	951 37
Ordinary repairs of furniture, . . . . .	572 29
Total for repairs, . . . . .	<u>\$5,624 88</u>
Less income, . . . . .	112 01
Net cost of repairs, . . . . .	<u>5,512 87</u>

## EXTRAORDINARY EXPENDITURES.

Right to use Houghton Ventilator, . . . . .	\$250 00
7 Houghton Ventilators, . . . . .	125 45
Alteration at Washington Street, . . . . .	175 77
New rooms at Ledge, Belmont and Woodland Streets, . . . . .	166 30
Out-buildings at New Worcester and Lamartine Street, . . . . .	270 27
Vault and Lowering pipe at Ash Street, . . . . .	236 95
Vault at Pleasant Street, . . . . .	146 72
New urinals at Ledge and Thomas Streets, . . . . .	105 38
New fountains at Ledge Street, . . . . .	47 56
Connecting with sewer at Union Hill, . . . . .	20 65
Connecting with sewer at Washington Street, . . . . .	68 89
	<hr/>
	\$1,613 94
New furniture, . . . . .	388 80
Rent of schoolroom at New Worcester, . . . . .	187 50
Rent of schoolroom at Green Street, . . . . .	274 25
Rent of Superintendent's office, . . . . .	1,000 00
	<hr/>
	\$3,464 49
Net cost of schools, . . . . .	\$141,289 90
Add total income, . . . . .	388 59
	<hr/>
Total amount paid, . . . . .	\$141,678 49

## Amounts expended by the City Council, and charged to appropriation for schools:

Insurance, . . . . .	\$100 00
Snow from sidewalks, . . . . .	52 64
Regulator on boiler at Belmont Street, . . . . .	48 13
Sidewalk at Ledge Street, . . . . .	230 93
Sidewalk at Belmont Street, . . . . .	134 29
Sidewalk at East Worcester, . . . . .	93 34
Water at High School . . . . .	50 00
School Reports, . . . . .	171 51
Sanford & Co., error, . . . . .	100 00

\$980 84



## STATISTICAL TABLE

SHOWING THE NUMBER, ATTENDANCE, ETC., OF THE PUPILS IN THE PUBLIC SCHOOLS FOR THE YEAR ENDING NOV. 30, 1878.

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 for the year.	No. of ½ days absence.	Average to each scholar for the year.	Average age Jan. 1, 1879.	REMARKS.
										First Term.	Second Term.	Third Term.	Fourth Term.						
ENGLISH AND CLASSICAL HIGH SCHOOL																			
	Samuel Thurber.	609	306	303	453.3	441.1	96.4	321	480	186	238	225	220	249	.54	1497	3.2	16.2	1 session a day.
GRAMMAR SCHOOLS. GRADE IX.																			
Belmont Street.	Arthur G. Lewis.	50	24	26	31.8	30.5	95.8	38	35	14	17	17	15	33	1.04	485	15.2	14.9	
Dix "	William H. Bartlett.	63	31	32	39.5	38.0	96.2	17	41	18	20	23	11	8	.20	559	14.1	15.1	
Woodland "	Edward I. Comins.	75	36	39	48.4	47.0	97.0	42	50	22	20	17	24	35	.72	522	10.8	14.10	
Washington "	Charles T. Haynes.	59	23	36	45.6	44.4	97.3	29	43	33	31	27	22	12	.26	447	9.8	14.11	
Ledge "	Charles C. Woodman.	52	35	17	36.1	34.7	96.1	14	34	18	14	10	11	48	1.33	522	14.4	14.9	
New Worcester.	Charlotte H. Munger.	35	10	25	28.7	27.1	94.6	12	26	7	6	7	4	47	1.63	595	20.8	15.5	
		334	159	175	230.1	221.7	96.3	152	229	112	108	101	87	183	7.95	3130	13.1	14.11	
GRAMMAR SCHOOLS. GRADE VIII.																			
Belmont Street.	Mary H. Warren.	54	30	24	33.7	32.5	96.4	13	40	19	18	17	19	13	.37	447	13.2	14.4	
Dix "	Eldora M. Aldrich.	50	24	26	33.8	32.5	96.1	7	36	16	18	14	19	13	.38	485	14.3	14.1	
Walnut "	Etta A. Rounds.	37	24	13	35.2	33.7	95.7	1	29	20	21	12	14	6	.17	559	15.9	13.11	
Woodland "	Ann S. Duntton.	47	22	25	43.5	41.9	96.1	14	39	28	23	24	20	19	.44	597	13.7	14.1	
Washington "	M. Ella Spalding.	46	27	19	32.5	30.2	93.1	17	32	6	10	6	5	108	3.32	858	26.4	14.6	
Ledge "	Olive G. Davis.	67	50	17	35.3	33.1	94.0	13	48	12	14	10	24	41	1.16	821	23.2	14.4	
Thomas "	Harriet G. Waite.	63	39	24	34.7	33.1	95.5	4	43	19	15	16	13	24	.69	597	17.5	13.9	
Sycamore "	Abbie E. Clough.	66	32	34	38.9	36.7	91.8	5	41	13	13	15	12	80	2.06	1193	30.7	13.11	
South Worcester.	Carrie A. George.	59	32	27	31.3	30.2	96.5	6	39	12	11	6	15	44	1.41	411	13.1	13.5	
		489	280	209	318.9	302.9	94.9	80	347	145	143	120	141	348	1.09	5968	15.6	14.	



## GRAMMAR SCHOOLS. GRADE VII.

Belmont	Sarah L. Phillips.	62	38	24	38.5	36.9	95.7	2	49	22	11	15	18	14	36	597	15.5	13.6
Dix	Josephine M. Wilson.	55	27	28	40.7	38.5	94.0	1	44	9	6	5	24	13	31	820	20.1	12.9
Walnut	Nellie C. Thomas.	51	24	27	42.7	41.4	96.8	4	45	18	32	22	28	8	19	485	11.1	13.2
Walnut	Kate A. Meade.	47	21	26	43.0	42.6	99.1	3	43					3	07	48	1.1	12.9
Woodland	Mary M. Lawton.	61	35	26	43.9	42.5	96.8	8	43	18	26	24	20	39	86	522	11.9	13.7
Woodland	J. Chauncey Lyford.	68	44	24	45.9	43.3	94.4	11	52	18	24	22	65	1.41	970	21.1	13.7	
Lamarine	Maria P. Cole.	60	37	23	47.0	45.0	95.8	5	43	25	23	23	16	33	70	746	15.9	13.8
Ledge	Eliza E. Covles.	46	27	19	45.3	43.8	96.6	4	45				16	22	48	181	4.	13.2
Ledge	M. Louise Rice.	59	29	30	42.7	40.6	94.7	3	48	15	12	9	17	98	2.29	783	18.3	13.4
Sycamore	S. Lizzie Carter.	41	29	12	38.7	36	895.1	1	34	14	18	15	15	55	1.49	709	18.3	12.10
New Worcester.	Mary S. Eaton.	37	22	15	39.4	36.0	91.5		32	5	9	7	2	140	3.55	1265	32.1	12.11
Quinsigamond.		587	333	254	467.8	447.4	95.6	42	478	144	154	134	200	490	1.05	7126	15	13.2

GRAMMAR SCHOOLS. GRADE VI.

Street.	Tirzah S. Nichols.	Jennie L. Dearborn.	Minnie Meade.	Caroline H. Metcalf.	Janet Martin.	Mary A. Harrington.	Kate A. McCarthy.	Emma L. Cowles.	Abbie C. Souther.	A. Teresa Timon.	Ella W. Foskett.	L. Elizabeth King.	Mary J. Mack.	Mary J. Packard.	Amelia M. Walker.	Amey E. Hopson.	Emily J. Herrick.
Belmont	52	29	23	47.7	45.3	95.4	1	48	19	22	13	22	20	.41	814	17.1	12.6
Belmont	39	20	19	39.8	35.3	88.8	2	39					51	1.28	544	13.7	13.6
Dix	62	26	36	44.0	42.4	96.3	5	49	20	23	21	25	11	.25	597	13.6	12.1
W Walnut	36	16	20	37.4	34.1	91.2	3	34	3	14	11	6	22	.64	1251	32.8	12.3
Woodland	68	39	29	48.2	44.6	92.4	1	56	15	27	23	22	29	.60	1343	27.8	11.
Lamarine	56	45	11	39.5	38.2	96.6	1	43	14	11	13	10	64	1.62	485	12.3	12.3
Ledge	59	51	8	35.7	34.1	95.5	2	43	16	18	11	14	100	2.80	597	16.7	12.7
Ledge	48	32	16	46.6	43.8	93.7	1	48				8	50	1.07	339	7.3	12.4
Thomas	63	41	22	31.7	29.6	93.4	2	39	23	15	13	14	28	.88	783	24.7	12.6
Sycamore	58	27	31	44.6	43.2	96.9	1	48	22	19	16	14	58	1.30	1268	28.4	12.6
East Worcester.	59	36	23	39.8	37.0	93.5	2	47	15	14	13	10	97	2.43	1033	25.9	12.1
Providence Street	54	33	21	44.5	38.3	94.3	2	45	23	14	5	19	23	.51	2312	51.8	12.8
"	49	34	15	38.6	36.7	95.2		40	16	18	6	17	149	3.86	707	18.3	11.10
Aash	35	18	17	32.0	29.7	92.8		34				13	23	.71	278	8.7	12.3
Green	42	26	12	44.4	42.8	96.5		56	17	15	9	20	31	.62	598	13.5	13.1
South Worcester.	39	17	22	36.2	33.4	92.1	3	36				21	6	.16	305	8.4	12.9
W Winslow	42	23	19	35.6	34.6	97.0	1	37				14	8	.22	109	3.1	12.
Winslow	861	513	348	686.3	643.3	93.7	23	742	203	210	154	251	770	1.11	13343	19.4	12.4

### SECONDARY SCHOOLS. GRADE V.

Belmont	Street.	60	31	29	49.8	47.7	95.8	49	11	22	21	8	49	.98	783	15.7	11.8
Dix	"	56	29	27	51.2	47.3	92.3	50	14	13	16	9	20	.39	1455	28.4	11.1
Walnut	"	45	24	21	44.5	41.7	94.1	41	17	27	13	24	25	.53	1044	23.5	11.1
Woodland	"	60	31	29	44.7	41.6	92.9	56	13	10	12	18	66	1.47	1156	25	11.2

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 ½ days absence.	Average to each scholar for the year.	Average age Jan. 1, 1879.	REMARKS.
										First Term.	Second Term.	Third Term.	Fourth Term.						
SECONDARY SCHOOLS. GRADE V. (CONTINUED.)																			
Lamarine Street.	Josie M. Ware.	56	15	41	45.8	43.3	94.6	1	45	17	11	15		82	1.78	932	20.3	11.1	
Lamarine "	Louise A. Dawson.	57	27	30	47.6	43.9	92.2		45	16	14	16		115	2.41	1380	26.9	11.6	
Ledge "	Alice G. McMahon.	58	45	13	43.7	40.6	92.8		49	12	9	8		220	5.03	1156	26.5	11.3	
Thomas "	S. Lizzie Wedge.	59	27	32	45.5	43.6	92.5		48	24	22	20		97	.81	1082	23.7	11.8	
Sycamore "	Susie A. Partridge.	60	32	28	46.6	44.1	94.6		52	18	22	23		72	1.54	912	18.6	11.1	
East Worcester.	Annie Brown.	59	34	25	43.2	40.5	93.6		50	20	17	10		107	2.47	1007	23.3	11.8	
East Worcester.	Mary E. C. Carroll.	73	41	32	35.7	32.6	89.5		44	3	9	4		3	244	6.83	1153	32.3	11.5
Providence Street.	Sarah J. Newton.	35	20	15	34.2	33.5	98.0		33	25	23	19		17	27	79	261	7.6	11.10
Providence "	Evelyn E. Towne	39	24	15	34.5	32.7	94.7		32					10	15	43	218	6.3	11.2
Ash	Mary McGown.	56	39	17	41.0	38.0	92.5		45	12	13	6		16	158	3.85	1119	27.3	10.8
South Worcester.	Ellen M. Boyden.	63	30	33	44.1	41.5	94.1		53	17	14	11		26	62	1.40	973	22	11.8
South Worcester.	Alma A. Grow.	42	22	20	24.0	21.0	87.7		29	11	11	5		5	230	.96	999	41	10.8
Oxford Street.	Ella L. Dwyer.	50	18	32	45.2	41.8	92.0		47	17	19	23		21	19	.42	1268	28	10.6
Salem "	Minnie F. Whittier.	55	35	20	47.5	43.4	91.5	2	51	5	10	17		13	71	1.49	1525	34.2	10.11
Edgeworth "	Ella E. Roper.	53	31	22	45.7	41.6	90.9	1	50	5	7	8		6	210	4.59	1529	33.5	11.9
New Worcester.	Ella J. Moore.	56	29	27	46.6	42.4	90.8		48	16	19	21		14	99	2.12	1566	33.6	10.10
Summer Street.	Abbie A. Wells.	43	23	20	36.5	33.3	91.2		38	9	3	3		9	243	6.66	1193	32.7	12.4
Quinsigamond.	Helena M. Kalaber.	44	24	20	44.5	41.6	93.3		41	9	10	11		7	172	3.86	1082	24.3	10.8
		1179	631	548	942.1	877.7	93.1	4	996	280	300	277	266	342	2.48	23792	25.2	11.3	
SECONDARY SCHOOLS. GRADE IV.																			
Belmont Street.	Esther G. Chenery.	61	26	35	51.5	50.4	97.8		52	34	41	37		33	9	.17	410	7.9	10.
Dix "	Susie W. Forbes.	48	22	26	46.8	43.4	92.7		41	16	17	11		10	51	1.08	1268	27.1	10.
Dix "	Mary L. Norcross.	50	28	22	43.4	40.1	92.2		41	10	15	9		13	88	2.03	1231	28.4	10.3
Walnut "	Eunnie M. Gates.	42	21	21	41.9	38.5	91.8		38	9	13	11		10	24	.57	1268	30.2	9.6
Woodland "	Martha T. Wyman.	47	20	27	50.1	46.1	92.1		41	4	9	10		7	197	3.93	1492	29.7	10.4
Woodland "	Sarah J. Melanefy.	40	20	20	40.	39.	95.1		40					7	56	1.40	121	3.	9.5
																			Sept. 2, 1878.

Opened.  
Sept. 2, 1878.

Jan. 10, 1878.

Sept. 2, 1878.

## SECONDARY SCHOOLS. GRADE IV. (CONTINUED.)

Lamarine Street.	51	40	11	41.7	38.8	93.2	35	13	14	12	19	80	1.91	1082	25.9	10.6	
" "	43	29	14	38.7	36.2	93.5	32	10	17	14	5	61	1.57	932	24.1	10.4	
Ledge	64	47	17	51.9	48.4	93.2	53	19	20	11	17	136	2.62	1305	25.1	10.1	
" "	59	27	32	47.8	45.6	95.4	51	23	27	24	18	62	1.29	821	17.1	10.10	
Thomas	44	22	22	41.7	39.5	94.6	43				15	31	.74	266	6.4	10.	
" "	52	21	31	44.8	43.6	97.1	46	11	20	13	7	58	1.28	447	9.9	10.7	
Sycamore	57	28	29	44.2	41.3	93.2	1	41	11	12	6	70	1.58	1082	24.4	10.5	
East Worcester.	50	24	26	46.8	44.1	94.3	1	41	22	27	21	181	3.87	1007	21.5	10.5	
East Worcester.	42	24	18	42.4	40.2	93.4	33	20	19	14	15	66	1.55	821	19.3	10.5	
Providence Street.	50	34	16	40.9	38.5	96.1	37	16	14	13	19	99	2.42	895	21.9	10.6	
Providence "	45	28	17	43.8	42.2	96.2	40	30	21	21	11	111	2.53	597	13.6	10.	
Ash	50	28	22	42.7	36.9	86.0	46	2	2	2	4	102	2.39	2169	50.8	11.	
South Worcester.	56	29	27	41.4	38.6	93.2	46	10	4	8	9	180	4.34	1047	25.3	10.5	
South Worcester.	50	23	27	40.9	40.5	93.1	49				4	28	.68	436	1.1	10.5	
Winslow Street.	70	34	36	49.3	45.8	92.9	56	11	14	18	10	106	2.15	1302	26.4	10.	
" "	58	27	31	46.8	42.4	90.6	1	52	2	6	2	275	5.87	1641	35.1	10.6	
Edgeworth	59	28	31	49.3	43.8	88.7	1	50	6	9	11	297	6.03	2051	41.6	10.6	
Summer	46	27	19	36.4	34.5	95.3	40	10	15	14	18	69	1.86	649	17.7	9.1	
Union Hill.	1234	657	577	1068.6	999.6	93.7	4	1044	289	228	296	291	2437	2.29	24340	22.9	10.3

Sept. 2, 1878.

Sept. 10, 1878.

## PRIMARY SCHOOLS. GRADE III.

Belmont Street.	72	35	37	51.1	47.4	92.7	59	15	16	16	22	75	1.44	1480	27.	9.4
Dix "	54	28	26	47.8	44.5	92.9	52	8	13	7	11	49	1.02	1231	25.7	9.2
Woodland "	62	33	29	52.3	45.3	85.8	58	4	3	4	12	183	3.49	2611	49.9	9.
Lamarine "	56	43	13	47.7	43.9	92.0	49	7	10	14	7	139	2.91	1417	29.6	9.11
Lamarine "	65	40	25	48.5	44.7	92.2	53	10	11	9	15	213	4.39	1417	29.2	8.8
Ledge "	56	33	23	50.7	48.5	95.6	54	19	16	21	17	185	3.64	821	16.1	8.3
Thomas -	41	24	17	39.0	36.6	93.8	38	14	16	17	13	51	1.31	895	22.9	9.5
Thomas "	43	20	23	39.2	37.8	96.4	38	19	23	19	16	52	1.32	522	13.3	9.1
Sycamore "	64	38	26	47.2	42.5	90.0	54	14	7	17	22	57	1.21	1753	37.1	8.10
East Worcester.	48	24	44	41.1	39.3	89.2	48	12	11	17	10	101	2.29	1790	40.6	8.3
East Worcester.	41	24	17	38.8	37.0	92.8	36	23	28	25	22	79	2.03	671	17.3	8.2
Providence Street.	57	35	22	48.0	45.0	93.7	47	15	16	13	44	.91	1119	23.3	9.5	
Ash	38	31	7	41.8	38.7	92.9	35	14	8	11	15	252	6.03	1119	26.8	8.7
South Worcester.	59	35	24	49.2	44.5	90.2	48	17	7	7	13	211	4.28	1758	35.7	9.2





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

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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 $\frac{1}{2}$ days absence.	Average to each scholar for the year.	Average age Jan. 1, 1879.	REMARKS.
SUBURBAN SCHOOLS.																			
Northville.	Eudora A. Dearborn.	31	17	14	24.7	20.884.0			27	2	4	1	1	182	7.37	1458	59.	8.8	
Tatnuck.	Mattie Howe.	51	27	24	38.9	33.786.6	11		38	10	6	8	7	81	2.08	1971	50.8	10.6	
Valley Falls.	Eliza J. Seaver.	51	25	26	36.7	32.688.8			37	8	5	3		202	5.50	1537	41.9	8.11	
Trowbridgeville.	Clara A. Grout.	34	16	18	16.6	14.889.2	1		24	3	3	3	1	79	4.76	675	40.7	7.6	
Blithewood.	Anna M. Bemis.	28	15	13	17.5	15.186.4	2		20	3	4	4	3	26	1.48	909	51.4	10.5	
Bloomington.	Lizzie J. Andrews.	63	29	34	40.4	36.891.1	2		46	1	4	2	2	35	.86	1353	33.5	9.3	
Adams Square.	Ellen M. Fitts.	35	23	12	25.6	24.791.5			28	8	4	13		115	4.49	340	13.3	9.9	
Burncoat Plain.	Minnie M. Parmenter.	33	20	13	19.9	17.386.8	8		26	9	9	6	2	97	4.87	983	49.4	11.8	
North Pond.	Arabella E. Burgess.	35	15	20	21.7	20.092.4	2		23	9	5	3	4	66	3.04	644	29.7	8.3	
Chamberlain.	Nellie J. Spurr.	11	8	3	9.1	8.694.8	1		10	4				37	4.06	185	20.3	8.8	
		372	195	177	251.1	224.489.8	27	279	48	41	43	21		920	3.66	10055	40.0	9.4	

## 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, 1879.
									First Term.	Second Term.	Third Term.	Fourth Term.					
High School .....	609	306	303	458.3	441.1	96.4	321	480	186	238	225	220	249	7.54	1497	3.2	16.2
Grammar. Grade IX.....	334	159	175	230.1	221.7	96.3	152	229	112	108	101	87	183	7.95	3130	13.1	14.11
“ “ VIII.....	489	280	209	318.9	302.9	94.9	80	347	143	143	120	141	348	1.09	3968	13.6	14.
“ “ VII.....	587	333	254	467.8	447.4	95.6	42	478	144	154	134	200	490	1.05	7126	15.2	13.2
“ “ VI.....	861	513	348	686.3	643.3	93.7	23	742	203	210	154	251	770	1.11	13343	19.4	12.4
“ “ V.....	1179	631	548	942.1	877.7	93.1	4	996	280	300	277	266	2342	2.48	23792	25.2	11.3
Secondary. “ IV.....	1234	657	577	1068.6	999.6	93.7	4	1044	289	328	296	291	2437	2.29	24340	22.9	10.3
“ “ III.....	1252	690	562	1038.8	975.9	92.1	1	1111	264	289	327	353	2533	2.39	29927	28.2	8.11
Primary. “ “ II.....	946	519	427	835.5	770.7	92.2	1	826	137	199	239	209	2525	2.90	24159	28.9	7.8
“ “ I.....	1677	954	723	1368.6	1219.4	89.1	1	1341	122	212	278	211	3652	2.67	44947	32.8	6.5
Suburban .....	372	195	177	251.1	224.4	89.8	27	279	48	41	43	21	920	3.66	10055	40.	9.4
Aggregate for Day Schools.....	9540	5237	4303	7686.1	7124.1	93.9	654	7873									
Evening Schools .....	624	449	175	280.7	215.1		565	273									
Drawing Schools .....	120	102	18	97.3	67.1		120	79									
	10284	5788	4496	8064.1	7406.3	93.9	1339	8225	1930	2222	2194	2270	16449	2.14	188284	24.5	11.4

The percentage of children in the Public Schools for the last twelve years is as follows :

	1867	1868	1869	1870	1871	1872	1873	1874	1875	1876	1877	1878
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
Canada.....	224	238	277	387	425	423	448	420	412	287	466	539
Ireland.....	2,509	2,547	2,800	2,888	2,763	2,920	2,702	2,744	2,802	2,858	2,880	3,055
England.....	174	206	205	257	250	290	252	257	296	287	311	316
Germany.....	83	85	97	123	125	140	138	115	138	155	146	160
Scotland.....	40	46	45	56	68	70	72	60	62	68	67	72
France .....	10	9	13	9	14	9	17	15	15	15	10	11
Other countries	6	20	21	30	29	71	42	67	96	104	126	138
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
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
Foreign coun'ts	3,046	3,205	3,458	3,750	3,674	3,923	3,671	3,678	3,821	3,774	4,007	4,291

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	195,159	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	7683	188,284	24.5	16,449	2.1

## 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	86	5	11	8	4	2	
GRAMMAR, GRADE IX.									
Belmont Street,	Arthur G. Lewis,	22	11				1		1
Dix "	William H. Bartlett,	36	2	1	1	1			
Woodland "	Edward I. Comins,	44	4	1			1		
Washington "	Charles T. Haynes,	32	8	2		1			
Ledge "	Charles C. Woodman,	13	18	2	1				
New Worcester,	Charlotte H. Munger,	17	3	2	4				
		164	46	8	6	2	2		1
GRAMMAR, GRADE VIII.									
Belmont Street,	Mary H. Warren,	24	8	1	3	4			
Dix "	Eldora M. Aldrich,	25	3		2	2			4
Walnut "	Etta A. Rounds,	28	1						
Woodland "	Ann S. Dunton,	26	7	4	1		1		
Washington "	M. Ella Spalding,	9	18	1	1		3		
Ledge "	Olive G. Davis,	19	27				1		1
Thomas "	Harriet G. Waite,	8	33	2					
Sycamore "	Abbie E. Clough,	25	6	1	4	2	3		
South Worcester.	Carrie A. George,	7	24	2	3	3			
		171	127	11	14	11	8		5
GRAMMAR, GRADE VII.									
Belmont Street,	Sarah L. Phillips,	26	17	3			1		2
Dix "	Josephine M. Wilson,	30	9	1	3				1
Walnut "	Nellie C. Thomas,	42	1	1		1			
Walnut "	Kate A. Meade,	36	3	1	1	1	1		
Woodland "	Mary M. Lawton.	34	5		2		1		1
Lamartine "	J. Chauncey Lyford,	10	36	2	2	1	1		
Ledge "	Maria P. Cole,	23	15	1		1	1		2
Ledge "	Eliza E. Cowles,	6	30	4	1		4		
Sycamore "	M. Louise Rice,	29	11	4	1	3			
New Worcester,	S. Lizzie Carter,	19	4	5	6				
Quinsigamond,	Mary S. Eaton,	4	21		4				3
		259	152	22	20	7	9		9
GRAMMAR, GRADE VI.									
Belmont Street,	Tirzah S. Nichols,	30	14	3	1				
Belmont "	Jennie L. Dearborn,	8	26		2		1		2
Dix "	Minnie Meade,	31	9	3	4	1			1
Walnut "	Caroline H. Metcalf,	31	2		1				
Woodland "	Janet Martin,	45	6	2	1	1	1		
Lamartine "	Mary A. Harrington,	5	29	2	1	6			
Ledge "	Kate A. McCarthy,	8	31	1	2	1			
Ledge "	Emma L. Cowles,	20	22	1	3	1			1
Thomas "	Abbie C. Souther,	12	21	4		1		1	
Sycamore "	A. Teresa Timon,	32	10	1	4				1
East Worcester,	Ella W. Foskett,	1	45	1					
Providence Street,	L. Elizabeth King,	18	22	5					
Ash "	Mary J. Mack,	5	29	2			4		

SCHOOLS.	TEACHERS.	U. S.	Ireland.	Canada.	England.	Germany.	Scotland.	France.	Other Countries.
Green Street,	Mary J. Packard,	18	10	2	2		2		
South Worcester,	Amelia M. Walker,	10	39	2	2	3			
Winslow Street,	Amy E. Hopson,	27	3	1	3	1	1		
Winslow "	Emily J. Herrick,	32	3	1	1				
		333	321	31	27	15	9	1	5
SECONDARY, GRADE V.									
Belmont Street,	Abbie J. Reed,	36	6	4		1	1		1
Dix "	Abbie N. Hoxie,	27	14		8	1			
Walnut "	Ella M. McFarland,	39				1	1		
Woodland "	Carrie R. Clements,	41	8	1	2	3			1
Lamartine "	Josie M. Ware,	5	32	2	2	4			
Lamartine "	Louise A. Dawson,	5	27	3	8	1		1	
Ledge "	Alice G. McMahon,	8	36	1	2		1		1
Thomas "	S. Lizzie Wedge,	13	30	4			1		
Sycamore "	Susie A. Partridge,	34	13	1	3				1
East Worcester,	Annie Brown,		49						1
East Worcester,	Mary E. C. Carroll,		43		1				
Providence Street,	Sarah J. Newton,	12	17	4					
Providence "	Evelyn E. Towne,	12	12	4	2	1			1
Ash "	Mary McGown,	12	28	3	1		1		
South Worcester,	Ellen M. Boyden,	14	28	5	5	1			
South Worcester,	Alma A. Grow,	4	22		1	2			
Oxford Street,	Ella L. Dwyer,	36	6		2	2			1
Salem "	Minnie F. Whittier,	23	18	8	1	1			2
Edgeworth "	Ella E. Roper,	3	44			1			
New Worcester,	Ella J. Moore,	24	8	14	2				
Summer Street,	Abbie A. Wells,	18	14	2	3	1			
Quinsigamond,	Helena M. Kalaher,	11	25		1				4
		377	480	56	44	20	5	1	13
SECONDARY, GRADE IV.									
Belmont Street,	Esther G. Chenery,	41	5	3	1	1			1
Dix "	Susie W. Forbes,	31	4	2	3				1
Dix "	Mary L. Norcross,	30	6		3	1			1
Walnut "	Eunie M. Gates,	33	1	2	1	1			
Woodland "	Martha T. Wyman,	32	3	2	2	1	1		
Woodland "	Sarah J. Melanefy,	30	2		4		2		2
Lamartine "	Mary E. Kavanagh,	2	21	3	4	4			1
Lamartine "	Ellen T. Shannon,	6	19	3	1	1		1	1
Ledge "	Frances M. Athy,	8	44						1
Thomas "	Belle H. Tucker,	18	18	13		1	1		
Thomas "	Mary E. Fitzgerald,	8	23	6	2			2	2
Sycamore "	Hattie S. Hagen,	32	8	3	1			1	1
East Worcester,	Tamerson S. Darling,	1	37	1	1				1
East Worcester,	Julia A. Bunker,	2	34	3	1				1
Providence Street,	Nellie A. Sprout,	12	13	8					
Providence "	Adeliza Perry,	19	14	3		1			
Ash "	Mattie A. Collins,	13	18	4	2		3		
South Worcester,	Esther E. Travis,	4	36	5	1				
South Worcester,	Josephine A. Hunt,	11	26	2	6	1			
Winslow Street,	Lucy Lewisson,	29	11	2	3	3			1
Salem "	Mary O. Whitmore,	32	13	2	4	4	1		
Edgeworth "	Sarah M. Brigham,	9	35	3	1	1	1		2
Summer "	Hattie U. Thwing,	12	29	4	2		1		2
Union Hill,	Mary A. Kean,	26	11		2	1			
		441	431	74	45	21	10	4	18



SCHOOLS.	TEACHERS.	U. S.	Ireland.	Canada.	England.	Germany.	Scotland.	France.	Other Countries.
PRIMARY, GRADE III.									
Belmont Street,	Mary T. Gale,	45	7	5					2
Dix "	Esther B. Smith,	37	6	4	3				2
Woodland "	Maggie I. Melanefy,	52	1	1	1	1			2
Lamartine "	Ida A. Tew,	8	27	7	2	5			
Lamartine "	F. Belle Perry,	7	32	9	1	4			
Ledge "	Mary E. D. King,	10	32	7	4				1
Thomas "	Abbie F. Hemenway,	18	12	3	1	1	1		2
Thomas "	Hattie W. Bliss,	13	18	4	1	1			1
Sycamore "	Sarah W. Clements,	33	12	4	2		2		1
East Worcester,	Kate C. Cosgrove,		41	5	1				1
East Worcester,	Aloysia Radcliffe,	1	29	4	1				1
Providence Street,	Anna M. Overend,	10	29	8					
Ash "	Libbie H. Day,	3	25	3		2			1
South Worcester,	Lydia W. Ball,	15	21	2	4	4	1		1
Oxford Street,	Mary E. A. Hoyt,	43	2			3	1		3
Winslow "	Hattie C. Howland,	39	10		1	2			
Salem "	Emma I. Clafin,	27	19	7	2		1		
Edgeworth "	Jennie E. Maloney,	2	32	1		2			4
New Worcester,	Ada E. Simonds,	19	10	12	5				
Summer Street,	Carrie F. Merriam,	20	23	2	2	3	1		1
Mason "	Mary E. Pease,	44	4	2	1	1			
Adriatic "	Emma A. Porter,	5	31	7	4	2			2
Quinsigamond	Edna Currier,	5	25	1	3				6
		456	448	98	39	31	8		31

PRIMARY, GRADE II.									
Belmont Street,	Carrie P. Townsend,	32	13	5	1	1			
Dix "	Alice W. Giddings,	42	8		1				
Woodland "	Amanda H. Davie,	44	2		2	1	2		2
Lamartine "	Mary E. Murphy,	4	28	8	5	6			
Ledge "	Mary V. Callaghan,	12	38		1		1		
Thomas "	Flora J. Osgood,	19	24	7		1	1		1
Sycamore "	Belle H. Crowell,	28	10	4	1	1			
East Worcester,	Mary E. Russell,	3	29	3	1				1
Providence Street,	S. Cornelia Maynard,	9	16	2	1				
Grafton "	Bridget T. Carlon,	18	11	11					2
South Worcester,	Sarah A. Boyd,	11	24	6	2		1		
South Worcester,	Mary C. Paige,	15	17	1	6	1			4
Oxford Street,	Emma J. Houghton,	46	3	1	4	2			
Edgeworth "	Marianna Newton.	5	34	3	1	1			3
Summer "	Mary A. Gauren,	14	20	5	2				4
Quinsigamond,	Ella E. Hall,	2	20		5				6
Adriatic Street,	Belle L. Tullis,	7	31	12	1	5	1		
Union Hill,	Etha M. Stowell,	16	13	6	1		1		
		327	341	74	35	19	7		23

PRIMARY, GRADE I.									
Belmont Street,	Jennie A. Whitney,	24	8	9	2	2			2
Belmont "	Anna B. Hopkins,	17	13	4	4	2			
Dix "	Alice E. Johnson,	29	4	4	4				1
Dix "	Annie D. Johnson,	15	6	1	4		1		2
Woodland "	Ella E. Goddard,	53	2						
Lamartine "	Mary A. Egan,	2	33	10	3	3			
Lamartine "	Anna M. Murray,	2	32	8	3	5			
Ledge "	Ida A. E. Kenney,	6	38	2	1	1			1
Ledge "	Fanny A. Williams,	8	29				1		5
Thomas "	Nellie B. Webber,	11	23	10	1		1		2
Thomas "	Ella A. Casey,	12	25	9					

SCHOOLS.	TEACHERS.	U. S.	Ireland.	Canada.	England.	Germany.	Scotland.	France.	Other Countries.
Sycamore “	Eliza J. Day,	32	19	1	1	1			
East Worcester,	Mary J. O'Connor,	3	33	4					1
East Worcester,	Mary R. Doherty,	3	43						
Providence Street,	Ella J. Lyford,	18	26	6	2		1		4
Grafton “	Carrie M. Adams,	22	18	18	1	1			1
Ash “	Kate A. Coughlin,	20	20	3	2				
Green “	Margaret J. McCann,	19	18	7	1	1			
South Worcester,	Kate A. Fallon,	12	28	3	7				
Oxford Street,	Ella K. Morgan,	41	2	1		1	1		1
Oxford “	Mary F. Barker,	23	1						
Oxford “	Bessie A. Chase,	10	8	1	2				
Salem “	Effie J. Phelps,	15	26	6		4			
Edgeworth “	Addie E. Kendall,	6	39	1			1	1	4
New Worcester,	Lillian Paul,	15	11	13	4				
Summer Street,	Lilla F. Upton,	12	23	9	2	1		2	
Mason “	Effie L. Bennett,	40	7	5	3				
Adriatic “	Anna M. Smith,	10	30	6	2	1			
Adriatic “	Lizzie E. Chapin,	4	27	12	3	2	1		
		484	592	153	52	26	7	3	24
SUBURBAN SCHOOLS.									
Northville,	Eudora A. Dearborn,	27							
Tatnuck,	Mattie Howe,	36			2				
Valley Falls,	Eliza J. Seaver,	8	15	3	7		3		1
Trowbridgeville,	Clara A. Grout,	16	4	4					
Blithewood,	Anna M. Bemis,	13			7				
Bloomingtondale,	Lizzie J. Andrews,	39	1		6				
Adams Square,	Ellen M. Pitts,	27			1				
Burncoat Plain,	Minnie M. Parmenter,	15	11						
North Pond,	Arabell E. Burgess,	23							
Chamberlain,	Nellie J. Spurr,	10							
		214	31	7	23		3		1
AGGREGATE.									
High School .....		356	86	5	11	8	4	2	8
Grammar, Grade IX. ....		164	46	8	6	2	2		1
“ “ VIII. ....		171	127	11	14	11	8		9
“ “ VII. ....		259	152	22	20	7	9		9
“ “ VI. ....		333	321	31	27	15	9	1	5
Secondary, “ V. ....		377	480	56	44	20	5	1	13
“ “ IV. ....		441	431	74	45	21	10	4	18
Primary, “ III. ....		456	448	98	39	31	8		31
“ “ II. ....		327	341	74	35	19	7		23
“ “ I. ....		484	592	153	52	26	7	3	24
Suburban .....		214	31	7	23		3		1
		3582	3055	539	316	160	72	11	138

Of those born in other countries, there were born in Nova Scotia, 23; New Brunswick, 9; Sweden, 49; Norway, 12; Denmark, 2; Austria, 2; Italy, 14; Belgium, 3; Azores, 2; Switzerland, 5; Wales, 8; Australia, 1; Prussia, 2; Russia, 2; Poland, 1; West Indies, 1; Prince Edward Isle, 2.

The birthplaces of the children in the public schools are as follows: United States; 7,418; Ireland, 131; Canada, 116; England, 104; Germany, 9; Scotland, 29; France, 1; New Brunswick, 3; Nova Scotia, 7; Sweden, 36; Norway, 1; Denmark, 2; Wales, 3; Italy, 5; Africa, 1; Belgium, 3; Azores, 2; West Indies, 1; Poland, 1.

## SCHOOLS.—SECRETARY'S REPORT.

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 Street.....	Brick,	3	130 x 87	14	Good,	\$150.00,	31,657	\$1.50	\$47,508	\$197,503	Drawing schools in this building, Ward 8 ward-roof, and rooms for Freyting Hall in French roof, and two 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 two school-rooms, and Ward 4 ward-room in basement. Two L's, 52 x 21 each.
Belmont Street.....	"	3	50 x 70	6	"	30,000	9,457	1.50	14,210	44,210	
Dix Street.....	"	2	90 x 92	11	"	32,000	31,440	25	7,800	39,860	
Woodland Street.....	"	2	96 x 60	11	"	34,500	24,000	25	6,000	40,500	
Lamarine Street.....	"	2	96 x 60	10	"	28,700	40,000	25	10,000	38,000	
Washington Street.....	"	2	96 x 60	11	"	30,000	48,041	20	9,600	39,608	
Ledge Street.....	"	2	50 x 30	2	"	7,500	7,188	75	5,391	12,891	
Thomas Street.....	"	3	96 x 60	12	"	32,500	40,670	25	10,167	42,667	
Sycamore Street.....	"	3	75 x 53	10	"	20,000	25,530	75	18,750	38,750	
East Worcester.....	"	2	75 x 52	8	"	25,000	12,625	1.00	12,625	37,625	
East Worcester.....	"	3	62 x 50	6	"	18,000	18,150	40	7,260	25,260	
Providence Street.....	"	4	62 x 50	4	"	5,000	9,060	50	4,030	9,030	
Grafton Street.....	"	4	62 x 50	8	"	29,000	58,000	15	20,000	49,000	
South Worcester.....	Wood,	2	24 x 46	6	Fair,	1,000	24,897	15	4,000	5,000	
Ash Street.....	Brick,	2	59 x 51	9	Good,	13,500	13,400	30	4,020	17,520	L, 40 x 33, and 3 school-rooms in French roof.
Oxford Street.....	"	2	75 x 32	2	"	23,000	29,184	10	2,918	25,918	
Winstow Street.....	"	3	52 x 50	5	"	13,000	17,200	1.25	21,500	34,500	
Salem Street.....	"	2	66 x 51	4	"	10,000	25,009	12	3,000	13,000	
Edgeworth Street.....	"	2	62 x 50	4	"	13,500	12,555	40	5,022	18,522	
New Worcester.....	"	2	50 x 36	5	"	17,000	30,760	20	1,538	18,538	
Summer Street.....	"	2	51 x 48	4	Poor,	10,000	18,900	50	2,980	12,980	
Quinsigamond.....	Wood,	2	75 x 32	6	Good,	3,000	18,300	5	9,150	12,150	
Mason Street.....	Brick,	2	44 x 30	5	"	23,000	34,500	15	1,725	24,725	
Adriatic.....	"	2	45 x 30	2	"	6,000	13,200	10	1,980	7,980	
Union Hill.....	Wood,	2	38 x 28	4	Fair,	3,600	25,000	10	2,500	6,100	
Northville.....	Brick,	2	73 x 30	2	"	2,000	11,000	10	1,100	3,100	
Tannock.....	"	2	43 x 32	2	Good,	6,000	34,875	10	500	6,500	
Valley Falls.....	Wood,	1	28 x 22	2	"	5,000	11,500	—	300	5,300	
Trowbridgeville.....	"	1	25 x 30	1	Old,	500	4,988	—	100	600	
Blithewood.....	"	1	36 x 28	1	Good,	300	4,050	—	75	375	
Bloomington.....	Brick,	1	40 x 32	1	"	1,500	1 acre.	—	100	1,600	
Adams Square.....	"	1	40 x 32	1	Fair,	3,000	14,000	—	200	3,200	
Burcoat Plain.....	"	1	31 x 28	1	Good,	2,800	22,360	—	300	3,100	
North Pond.....	"	1	40 x 32	1	"	2,500	21,500	—	200	2,700	
Chamberlain.....	Wood,	1	38 x 22	1	Fair,	1,600	20,300	—	300	1,900	
	"	1	38 x 22	1	"	1,200	1/2 acre	—	100	1,300	
				183		\$595,500	1 3/4 acres.		\$246 017	\$841,577	

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

CHARLES B. PRATT, *President.*

ALBERT P. MARBLE, *Supt. and Sec'y.*

464 MAIN STREET.

Members whose term expires January, 1882.	Members whose term expires January, 1881.	Members whose term expires January, 1880.
EDWARD H. HALL.	CALEB B. METCALF,	THOMAS J. HASTINGS,
CHARLES M. LAMSON,	ANNE B. ROGERS,	SARAH B. EARLE,
JAMES P. TUITE,	TIMOTHY H. MURPHY,	JAMES P. KELLEY,
JOHN B. COSGROVE,	JEREMIAH MURPHY,	THOMAS J. CONATY,
JOHN TIMON,	SAM'L W. DOUGHERTY,	RICHARD O'FLYNN,
ALZIRUS BROWN,	FRANCIS P. GOULDING,	FRANKLIN B. WHITE,
JOSEPH M. BASSETT,	EDWIN T. MARBLE,	THOMAS E. ST. JOHN,
GEORGE SWAN.	RUFUS WOODWARD.	E. B. STODDARD.

STANDING COMMITTEES.

ON SCHOOL HOUSES.—Messrs. Brown, J. Murphy, Timon, Kelly 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, Messrs. White, Hastings, Bassett, Dougherty and Swan.

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

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.
STODDARD,		
Conaty,	{ Samuel Thurber, Principal.....	\$2430 00
	{ Edward H. Rice.....	1865 00
Metcalf,	{ Alfred S. Roe.....	1620 00
	{ Charles H. Smart.....	900 00
Goulding,	{ A. Carey Field.....	900 00
	{ Harriet E. Paine.....	765 00
Lamson,	{ Florence V. Beane.....	765 00
	{ Mary A. Parkhurst.....	765 00
St. John,	{ Kate M. Sanderson.....	810 00
	{ Mary E. Colvin.....	720 00
Tuite,	{ Josephine L. Sanborn.....	720 00
	{ William D. Mackintosh.....	900 00
Mrs. Rogers.	{ Nellie M. White.....	500 00
	{ Ida L. Gaskill, Drawing.....	184 50

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

### BELMONT STREET.

Committee.	Teachers.	Grade.	Salary.
St. John,	Arthur G. Lewis, Prin.....	IX.	\$1,620
St. John,	Emma C. McClellan, Asst.....		540
St. John,	Mary H. Warren.....	VIII.	540
St. John,	Sarah L. Phillips.....	VII.	520
Mrs. Rogers,	Tirzah S. Nichols.....	VI.	520
Mrs. Rogers,	Jennie L. Dearborn.....	VI.	520
Mrs. Rogers,	Abbie J. Reed.....	V.	495
Mrs. Rogers,	Esther G. Chenery.....	IV.	495
Tuite,	Mary T. Gale.....	III.	695
Tuite,	Carrie P. Townsend.....	II.	450
Tuite,	Jennie A. Whitney.....	I.	450
Tuite,	Anna B. Hopkins.....	I.	450



<i>Committee.</i>	<i>Teachers.</i>	<i>Grade.</i>	<i>Salary.</i>
DIX STREET.			
Marble,	Wm. H. Bartlett, Prin.....	IX.	1,620
Marble,	Clara Manley, Asst.....		540
Marble,	Eldora M. Aldrich.....	VIII.	540
Marble,	Josephine M. Wilson.....	VII.	520
Bassett,	Minnie Meade.....	VI.	520
Bassett,	Abbie N. Hoxie.....	V.	495
Bassett,	Susie W. Forbes.....	IV.	475
Bassett,	Mary L. Norcross.....	IV.	475
Cosgrove,	Esther B. Smith.....	III.	495
Cosgrove,	Alice W. Giddings.....	II.	450
Cosgrove,	Alice E. Johnson.....	I.	450
Cosgrove,	Annie D. Johnson.....	I.	450
WALNUT STREET.			
Mrs. Rogers,	Etta A. Rounds, Prin.....	VIII.	630
Mrs. Rogers,	Nellie C. Thomas.....	VII.	520
Mrs. Rogers,	Kate A. Meade.....	VII.	520
Conaty,	Caroline H. Metcalf.....	VI.	520
Conaty,	Ella M. McFarland.....	V.	495
Conaty,	Eunie M. Gates.....	IV.	475
WOODLAND STREET.			
J. Murphy,	Edward I. Comins, Prin.....	IX.	1,620
J. Murphy,	Annie C. Wyman, Asst.....		540
	( <i>Mary E. Houghton</i> ).....		
J. Murphy,	Ann S. Dunton.....	VIII.	520
J. Murphy,	Mary M. Lawton.....	VII.	520
Brown,	Janet Martin.....	VI.	520
Brown,	Carrie R. Clements.....	V.	495
Dougherty,	Martha T. Wyman.....	IV.	475
Dougherty,	Sarah J. Melanefy.....	VI.	475
Dougherty,	Maggie I. Melanefy.....	III.	450
White,	Amanda H. Davie.....	II.	450
White,	Ella E. Goddard.....	I.	450
LAMARTINE STREET.			
Hastings,	Charles T. Haynes, Prin.....		
Hastings,	J. Chauncey Lyford.....	VII.	540
Hastings,	Mary A. Harrington.....	VI.	520
Hastings,	Josie M. Ware.....	V.	495
Timon,	Louise A. Dawson.....	V.	495
Timon,	Mary E. Kavanagh.....	IV.	475
Timon,	Ellen T. Shannon.....	IV.	495
Timon,	Ida A. Tew.....	III.	450
Stoddard,	F. Belle Perry.....	III.	450
Stoddard,	Mary E. Murphy.....	II.	450
Stoddard,	Mary A. Egan.....	I.	450
Stoddard,	Anna M. Murray.....	I.	450
WASHINGTON STREET.			
Kelley,	Charles T. Haynes, Prin.....	IX.	1,620
Kelley,	Amanda M. Phillips, Asst.....		540
Kelley,	M. Ella Spalding.....	VIII.	520

<i>Committee.</i>	<i>Teachers.</i>	<i>Grade.</i>	<i>Salary.</i>
LEDGE STREET.			
Mrs. Earle,	Charles C. Woodman, Prin.....	IX.	1,620
Mrs. Earle,	Margaret M. Geary, Asst. ....		540
Mrs. Earle,	Olive G. Davis.....	VIII.	520
Mrs. Earle,	Maria P. Cole.....	VII.	520
Mrs. Earle,	Eliza E. Cowles .....	VII.	520
O'Flynn,	Emma L. Cowles.....	VI.	520
	(Mary E. Fay).....		
O'Flynn,	Kate A. McCarthy.....	VI.	520
O'Flynn,	Alice G. McMahon.....	V.	495
O'Flynn,	Frances M. Athy.....	IV.	475
Goulding,	Mary E. D. King.....	III.	450
Goulding,	Mary V. Callaghan.....	II.	495
Goulding,	Ida A. E. Kenney.....	I.	450
Goulding,	Fanny A. Williams.....	I.	450
THOMAS STREET.			
Woodward,	Harriet G. Waite, Prin....	VIII-VII.	945
Woodward,	Anna J. Hitchcock, Asst.....		520
Woodward,	Abbie C. Souther.....	VI.	520
Woodward,	S. Lizzie Wedge.....	V.	495
Hall,	Mary E. Fitzgerald.....	IV.	475
Hall,	Belle H. Tucker.....	IV.	475
Hall,	Abbie F. Hemenway.....	III.	450
T. H. Murphy,	Hattie W. Bliss.....	III.	450
T. H. Murphy,	Flora J. Osgood.....	II.	450
T. H. Murphy,	Nellie B. Webber.....	I.	450
T. H. Murphy,	Ella A. Casey .....	I.	450
SYCAMORE STREET.			
Hall,	Abbie E. Clough, Prin.....	VIII.	675
Hall,	M. Louise Rice .....	VII.	520
Hall,	A. Teresa Timon.....	VI.	520
Hall,	Susie A. Partridge.....	V.	495
Dougherty,	Hattie S. Hagen.....	IV.	475
Dougherty,	Sarah W. Clements.....	III.	495
Dougherty,	Emma F. Marsh.....	II.	450
	(Belle H. Crowell).....		
Dougherty,	Eliza J. Day.....	I.	450
EAST WORCESTER.			
T. H. Murphy,	Ella W. Foskett, Prin.....	VI.	675
T. H. Murphy,	Minnie W. Sherman, Asst.....		495
T. H. Murphy,	Annie Brown.....	V.	495
T. H. Murphy,	Mary E. C. Carroll.....	V.	495
St. John,	Tamerson S. Darling.....	IV,	475
St. John,	Julia A. Bunker.....	IV.	475
St. John,	Kate C. Cosgrove.....	III.	450
Metcalf,	Aloysia Radcliffe.....	II.	495
Metcalf,	Mary E. Russell.....	II.	450
Metcalf,	Mary J. O'Connor.....	I.	450
Metcalf,	Mary R. Doherty.....	I.	450

<i>Committee.</i>	<i>Teachers.</i>	<i>Grade.</i>	<i>Salary.</i>
PROVIDENCE STREET.			
Conaty,	L. Elizabeth King, Prin.....	VI.	585
Conaty,	Sarah J. Newton.....	V.	495
Conaty,	Evelyn E. Towne.....	V.	495
Woodward,	Nellie A. Sprout.....	IV.	475
Woodward,	Adeliza Perry.....	IV.	475
Woodward,	Anna M. Overend.....	III.	450
Swan,	S. Cornelia Maynard.....	II.	450
Swan,	Ella J. Lyford.....	I.	450
GRAFTON STREET.			
Tuite,	Bridget T. Carlon, Prin.....	II.	450
Tuite,	Carrie M. Adams.....	I.	450
ASH STREET.			
Swan,	Mary J. Mack, Prin.....	VI.	630
Swan,	Mary McGown.....	V.	495
Swan,	Mattie A. Collins.....	VI.	475
Kelley,	Libbie H. Day.....	III.	450
Kelley,	Sarah A. Boyd.....	II.	450
Kelley,	Kate A. Coughlin.....	I.	450
GREEN STREET.			
O'Flynn,	Mary J. Packard, Prin.....	VI.	520
O'Flynn,	Margaret J. McCann.....	I.	450
SOUTH WORCESTER.			
Bassett,	Carrie A. George, Prin.....	VIII-VII.	675
Bassett,	Amelia M. Walker.....	VI.	520
Bassett,	Ellen M. Boyden.....	V.	495
Bassett,	Alma A. Grow.....	V.	495
Marble,	Esther E. Travis.....	IV.	475
Marble,	Josephine A. Hunt.....	IV.	475
Marble,	Lydia W. Ball.....	III.	450
Kelley,	Mary C. Paige.....	II.	450
Kelley,	Kate A. Fallon.....	I.	450
OXFORD STREET.			
Dougherty,	Ella L. Dwyer, Prin.....	V.	540
Dougherty,	Mary E. A. Hoyt.....	III.	450
Dougherty,	Emma J. Houghton.....	II.	450
Swan,	Ella K. Morgan.....	I.	450
Swan,	Mary F. Barker.....	I.	450
Swan,	Bessie A. Chase.....	I.	450
WINSLOW STREET.			
Metcalf,	Amy E. Hopson, Prin.....	VI.	540
Metcalf,	Emily J. Herrick.....	VI.	520
Hastings,	Lucy Lewisson.....	IV.	475
Hastings,	Hattie C. Howland.....	III-II.	450

<i>Committee.</i>	<i>Teachers.</i>	<i>Grade.</i>	<i>Salary.</i>
SALEM STREET.			
O'Flynn,	Minnie F. Whittier, Prin.....	V.	540
O'Flynn,	Mary O. Whitmore.....	IV.	475
Stoddard,	Emma I. Claflin. ....	III.	450
Stoddard,	Effie J. Phelps.....	II-I.	450
EDGEWORTH STREET.			
White,	Ella E. Roper, Prin.....	V.	540
White,	Sarah M. Brigham.....	IV.	475
White,	Jennie E. Maloney.....	III.	450
Lamson,	Marianna Newton.....	II.	450
Lamson,	Addie E. Kendall.....	I.	450
NEW WORCESTER.			
Goulding,	Charlotte H. Munger, Prin.....	IX-VIII.	675
Goulding,	S. Lizzie Carter.....	VII-VI.	520
Goulding,	Ella J. Moore.....	V-IV.	475
J. Murphy,	Ada E. Simonds.....	III-II.	450
J. Murphy,	Lillian Paul.....	I.	450
SUMMER STREET.			
Lamson,	Abbie A. Wells, Prin.....	V.	540
Lamson,	Hattie U. Thwing.....	IV.	475
Lamson,	Carrie F. Merriam.....	III.	450
Hastings,	Mary A. Gauren.....	II.	450
Hastings,	Lilla F. Upton.....	I.	450
QUINSIGAMOND.			
Brown,	Mary S. Eaton, Prin.....	VII-VI.	540
Brown,	Helena M. Kalaher.....	V-IV.	475
J. Murphy,	Edna Currier.....	III-II.	450
J. Murphy,	Ella E. Hall.....	I.	450
MASON STREET.			
Cosgrove,	Mary E. Pease, Prin.....	III-II.	495
Cosgrove,	Effie L. Bennett.....	I.	450
ADRIATIC.			
Timon,	Emma A. Porter, Prin.....	III.	495
Timon,	Belle L. Tullis.....	II.	450
Timon,	Ida F. Boyden.....	I.	450
	( <i>Anna M. Smith</i> ).....		
Timon,	Lizzie E. Chapin.....	I.	450
UNION HILL.			
Mrs. Earle,	Mary A. Tyler, Prin.....	IV-III.	495
	( <i>Mary A. Kean</i> ).....		
Mrs. Earle,	Etha M. Stowell.....	II-I.	450

## SUBURBAN SCHOOLS.

<i>Committee.</i>	<i>Location.</i>	<i>Teachers.</i>	<i>Salary.</i>
Metcalf,	Northville .....	Eudora A. Dearborn.....	450
J. Murphy,	Tatnuck.....	Mattie Howe.....	495
Marble.	Valley Falls.....	Eliza J. Seaver.....	450
Woodward,	Trowbridgeville .....	Clara A. Grout.....	450
Mrs. Earle,	Blithewood.....	Anna M. Bemis.....	450
Conaty,	Bloomington.....	Lizzie J. Andrews.....	450
Hall,	Adams Square.....	Ellen M. Fitts.....	450
Cosgrove,	Burncoat Plain .....	Minnie M. Parmenter.....	450
Stoddard,	North Pond.....	Arabell E. Burgess.....	450
St. John,	Chamberlain .....	Nellie J. Spurr.....	450

## DRAWING.

Ida L. Gaskill.

*Committee.*

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

## MUSIC.

Seth Richards. \$1,350.

*Committee.*

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

## EVENING SCHOOLS.

*Committee.*

Marble,                      Dougherty,                      Hastings  
    Mrs. Earle,                      Kelley.

Washington Street..... Phillip J. Nolan..... Principal.  
 South Worcester..... Francis P. McKeon..... "  
 Walnut Street..... Edward J. O'Neil..... "  
 New Worcester..... Josiah B. Davis..... "  
 Dix Street..... Cornelius E. Wood..... "  
 Belmont Street..... William T. Souther..... "

## TRUANT OFFICERS.

Henry E. Fayerweather..... \$820.00  
 William Hickey..... 820.00



# SCHOOL CALENDAR FOR 1879.

*Vacation Periods indicated by Full Face Figures.*

1879.	Sunday.	Monday.	Tuesday.	Wednesday.	Thursday.	Friday.	Saturday.	1879.	Sunday.	Monday.	Tuesday.	Wednesday.	Thursday.	Friday.	Saturday.
JAN'Y.	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	4 11 18 25	JULY.	6 13 20 27	7 14 21 28	8 15 22 29	1 9 16 23 30	2 10 17 24 31	3 11 18 25	4 12 19 26
FEB.	2 9 16 23	3 10 17 24	4 11 18 25	5 12 19 26	6 13 20 27	7 14 21 28	1 8 15 22	AUGUST.	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
MARCH.	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	SEPT.	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
APRIL.	6 13 20 27	7 14 21 28	8 15 22 29	1 9 16 23 30	2 10 17 24	3 11 18 25	4 12 19 26	OCT.	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
MAY.	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	NOV.	2 9 16 23 30	3 10 17 24	4 11 18 25	5 12 19 26	6 13 20 27 *	7 14 21 28	8 15 22 29
JUNE.	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	7 14 21 28	DEC.	7 14 21 28	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

The 1st Term begins December 2, 1878, and ends Feb. 15th, 1879, comprising 10 weeks.

" 2d " " February 24, 1879, " April 26th, " " 9 "

" 3d " " May 5th, " " June 23, " " 8 "

" 4th " " Sept. 1st, " " Dec. 1st., " " 13 "

\* Assuming that Thanksgiving Day will be Thursday, November 27.

# REPORT

OF THE

# AUDITOR.

---

CITY OF WORCESTER,  
AUDITOR'S OFFICE, January 6, 1879.

*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, 1878, 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,

*Auditor.*

# MAYOR'S DRAFTS

## AND

## TREASURER'S PAYMENTS COMPARED.

The column of Differences, Nov. 30, 1878, 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, 1877.	Mayor's Drafts.	TOTAL.	Treasurer's Payments.	Differences, Nov. 30, 1878.
1	Abatements and Discount....		42,162 85	42,162 85	42,162 85	
2	Board of Health.....		284 63	284 63	284 63	
3	City Hall.....	343 86	3,751 89	4,095 75	3,835 64	260 11
4	City Hospital.....	788 87	8 921 98	9,710 85	8,973 09	737 76
5	Collector's sales, surplus acc't		486 78	486 78	486 78	
6	Fire Department.....	10,440 85	41,070 09	51,510 94	41,400 98	10,109 96
7	Fire Department, Fire Patrol.		1,200 00	1,200 00	1,160 00	100 00
8	Free Public Library.....	1,373 36	11,232 44	12,605 80	11,548 91	1,056 89
9	Free Public Lib'y, rep'g b'd'g.		3,013 34	3,013 34	2,955 68	57 66
10	Highway Department.....	4,073 34	51,189 81	55,263 15	50 982 60	4,280 55
11	Incidental Expenses.....	213 52	12,378 43	12,591 95	12,271 47	320 48
12	Interest.....		121,554 36	121,554 36	121,554 36	
13	Interest on Sewer Loan.....		15,858 00	15 858 00	15,858 00	
14	Interest on Water Loan.....		24,639 00	24,639 00	24,639 00	
15	Lighting Streets.....	2,556 98	27,569 13	30,126 11	27,774 96	2,351 15
16	Liquor Licenses.....		37,850 00	37,850 00	37 850 00	
17	Loans, Funded City.....		176,000 00	176 000 00	176,000 00	
18	Loans, Funded Sewer.....		33,600 00	33,600 00	33 600 00	
19	Loans, Funded Water.....		27,500 00	27,500 00	27,500 00	
20	Loans, Temporary.....		450,000 00	450,000 00	450,000 00	
21	Lynde Brook Damages.....		40 520 56	40 520 56	40 298 50	222 06
22	Pauper Dep't, City Relief.....	839 03	14,565 47	15,404 60	14,627 72	776 78
23	Pauper Dep't, Farm.....	1,287 26	12,124 45	13,411 71	11,776 35	1,635 36
24	Pauper Dep't, House offal....		4,207 09	4,207 09	4,006 32	200 77
25	Pauper Dep't, Truant School.	35 88	1,301 98	1,337 86	1 308 61	29 25
26	Police Department.....	3,571 61	43,789 29	49,351 90	45,625 02	3,726 88
27	Premium on City Bonds.....		4,978 67	4,978 67	4,978 67	
28	Public Grounds.....	354 21	4,289 34	4,643 55	4,081 65	561 90
29	Real Estate "Lien Account".		569 79	569 79	569 79	
30	Salaries.....	1,636 56	20,281 90	21,918 46	20,270 26	1,648 20
31	School Department.....	13,492 70	142,659 31	156,152 01	142,809 33	13 342 70
32	School Houses.....		10,993 59	10,993 59	10,992 09	1 50
33	Sewers, Construction.....	1,108 47	9,828 69	10,937 16	8,605 17	2,331 99
34	Sewers, Island account.....		118,457 79	118 457 79	104,410 83	14 046 96
35	Sewers, Maintenance.....	625 72	6,571 74	7,197 46	6,593 87	603 59
36	Sidewalk Assessment.....		3,265 85	3,265 85	3,265 85	
37	Sinking Fund, General debt..		87,774 46	87,774 46	87,774 46	
38	Sinking Fund, 1876, Water..		1,906 23	1,906 23	1,906 23	
39	Sinking Fund, 1877, Lynde... Brook Damages.....		8,464 12	8,464 12	8,464 12	
40	Sinking Fund, 1878, Lynde... Brook Damages.....		6,494 89	6,494 89	6,494 89	
41	State Aid.....		11,814 00	11,814 00	11,814 00	
42	Street Construction.....	1 582 45	7,210 57	8,793 02	8 793 02	
43	Street Construct'n, Foster St..		64,535 23	64,535 23	64,451 23	84 00
44	Taxes, 1877, County.....		27,656 12	27,656 12	27,656 12	
45	Taxes, 1877, Nat. B'k State ac.		22,991 52	22,991 52	22,991 52	
46	Taxes, 1877, State.....		42,765 00	42 765 00	42,765 00	
47	Taxes, 1878, County.....		25,927 62	25,927 62	25,927 62	
48	Water Works, Construction..	1,179 91	35,275 02	36,454 93	35,509 22	945 71
49	Water Works, Maintenance..	1,537 18	18,565 26	20,102 44	18,794 01	1,308 43
		\$47,041 76	\$1,892,039 30	\$1,939,081 06	\$1,878,340 42	\$60,740 64

*Receipts.*

The receipts for the year ending November 30, 1878, are shown in the aggregate, as credited to the following accounts :—

No. of Acct.	
1.	Bills Receivable, . . . . . \$39,452 00
2.	City Hall, . . . . . 1,002 00
3.	City Hospital, . . . . . 2,337 59
4.	Collector's sales, "Surplus Acc't," . . . . . 10 26
5.	Fire Department. . . . . 1,166 67
6.	Free Public Library, . . . . . 3,236 49
7.	Highway Department, . . . . . 17,883 47
8.	Incidental Expenses, . . . . . 7,926 54
9.	Interest, . . . . . 25,215 10
10.	Lighting Streets, . . . . . 69 75
11.	Liquor Licenses, . . . . . 37,850 00
12.	Loans, Funded City, . . . . . 160,000 00
13.	Loans, Temporary, . . . . . 525,000 00
14.	Pauper Department, City Relief, . . . . . 2,241 99
15.	Pauper department, Farm, . . . . . 3,152 98
16.	Pauper Department, House Offal, . . . . . 3,062 30
17.	Police Department, . . . . . 5,566 77
18.	Premium on City Bonds, . . . . . 4,978 67
19.	Real Estate, "Lien Account," . . . . . 533 50
20.	School Department, . . . . . 388 59
21.	School Houses, . . . . . 2,008 75
22.	Sewer Assessment, Old Account, . . . . . 2,228 50
23.	Sewer Assessment, New Account, . . . . . 6,801 89
24.	Sewers, Construction Account, . . . . . 87 37
25.	Sewers, Island Account, . . . . . 24,185 39
26.	Sewers, Maintenance Account, . . . . . 4 15
27.	Sidewalk Assessment, . . . . . 3,265 85
28.	Sinking Fund, General Debt, . . . . . 141,470 59
29.	Sinking Fund, 1876, Water, . . . . . 130 99
30.	Sinking Fund, 1877, Lynde Brook Damages, . . . . . 983 75
31.	Sinking Fund, 1878, Lynde Brook Damages, . . . . . 6,595 77
32.	State Aid, . . . . . 13,042 97
33.	Street Betterments, . . . . . 3,383 78
34.	Street Construction, . . . . . 322 31
35.	Street Construction, Foster Street, . . . . . 3 00
36.	Taxes, 1874, . . . . . 3 68
37.	Taxes, 1875, . . . . . 6 98
38.	Taxes, 1876, . . . . . 90 88
39.	Taxes, 1877, . . . . . 30,086 84
40.	Taxes, 1877, Corporation, . . . . . 29,480 84
41.	Taxes, 1877, National Bank, State Account, . . . . . 6,610 14
42.	Taxes, 1878, . . . . . 666,002 26
43.	Water Works, Construction, . . . . . 18,397 12
44.	Water Works, Maintenance, . . . . . 73,673 17

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\$1,869,941 64

*Expended.*

The claims for the year ending November 30, 1878, as approved and drawn for in the Auditor's Office, are shown in the aggregates, as charged to the following accounts:—

No. of Acct.

1.	Abatements and Discount, . . . . .	\$42,162 85
2.	Board of Health, . . . . .	284 63
3.	City Hall, . . . . .	3,751 89
4.	City Hospital, . . . . .	8,921 98
5.	Collector's Sales, Surplus Account, . . . . .	486 78
6.	Fire Department, . . . . .	41,070 09
7.	Fire Department, Fire Patrol, . . . . .	1,200 00
8.	Free Public Library, . . . . .	11,232 44
9.	Free Public Library, Repairing Building, . . . . .	3,013 34
10.	Highway Department, . . . . .	51,189 81
11.	Incidental Expenses, . . . . .	12,378 43
12.	Interest, . . . . .	121,554 36
13.	Interest on Sewer Loan, . . . . .	15,858 00
14.	Interest on Water Loan, . . . . .	24,639 00
15.	Lighting Streets, . . . . .	27,569 13
16.	Liquor Licenses, . . . . .	37,850 00
17.	Loans, Funded City, . . . . .	176,000 00
18.	Loans, Funded Sewer, . . . . .	33,600 00
19.	Loans, Funded Water, . . . . .	27,500 00
20.	Loans, Temporary, . . . . .	450,000 00
21.	Lynde Brook Damages, . . . . .	40,520 56
22.	Pauper Department, City Relief, . . . . .	14,565 47
23.	Pauper Department, Farm, . . . . .	12,124 45
24.	Pauper Department, House Offal, . . . . .	4,207 09
25.	Pauper Department, Truant School, . . . . .	1,301 98
26.	Police Department, . . . . .	45,780 29
27.	Premium on City Bonds, . . . . .	4,978 67
28.	Public Grounds, . . . . .	4,289 34
29.	Real Estate, Lien Account, . . . . .	569 79
30.	Salaries, . . . . .	20,281 90
31.	School Department, . . . . .	142,659 33
32.	School Houses, . . . . .	10,993 59
33.	Sewers, Construction, . . . . .	9,828 69
34.	Sewers, Island Account, . . . . .	118,457 79
35.	Sewers, Maintenance, . . . . .	6,571 74
36.	Sidewalk Assessment, . . . . .	3,265 85
37.	Sinking Fund, General Debt, . . . . .	87,774 46
38.	Sinking Fund, 1876, Water, . . . . .	1,906 23
39.	Sinking Fund, 1877, Lynde Brook Damages, . . . . .	8,464 12
40.	Sinking Fund, 1878, Lynde Brook Damages, . . . . .	6,494 89
41.	State Aid, . . . . .	11,814 00
42.	Street Construction, . . . . .	7,210 57
43.	Street Construction, Foster Street, . . . . .	64,535 23
44.	Taxes, 1877, County, . . . . .	27,656 12
45.	Taxes, 1877, National Bank, State Account, . . . . .	22,991 52
46.	Taxes, 1877, State, . . . . .	42,765 00
47.	Taxes, 1878, County, . . . . .	25,927 62
48.	Water Works, Construction, . . . . .	35,275 02
49.	Water Works, Maintenance, . . . . .	13,765 26

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 \$1,887,239 30





# REPORT

## OF THE

# CITY TREASURER.

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OFFICE OF THE CITY TREASURER, )  
 WORCESTER, MASS., January 6, 1879,

*To the Honorable City Council:*

The undersigned herewith presents the annual account of Receipts and Payments in the Treasury Department for the the year ending Nov. 30, 1878, from which it appears that the

Cash in the Treasury, Dec. 1, 1877, was,	.	.	.	.	\$184,789 15
Received during the year,	.	.	.	.	1,869,941 64
Total,	.	.	.	.	\$2,054,730 79
Paid during the year,	.	.	.	.	1,878,340 42
Cash balance, Nov. 30, 1878, .	.	.	.	.	176,390 37
From which deduct unpaid drafts,	.	.	.	.	60,740 64
Leaving balance, as per Auditor's account, of	.	.	.	.	\$115,649 73

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, 1877, to

To authorized payments charged to City Accounts, as follows:—

No.		
1.	Abatements and Discount,	\$42,162 85
2.	Board of Health,	284 63
3.	City Hall,	3,835 64
4.	City Hospital,	8,973 09
5.	Collector's Sales, "Surplus Account,"	486 78
6.	Fire Department,	41,400 98
7.	" " "Fire Patrol,"	1,100 00
8.	Free Public Library,	11,548 91
9.	" " "Repairing Building,"	2,955 68
10.	Highway Department,	50,982 60
11.	Incidental Expenses,	12,271 47
12.	Interest,	121,554 36
13.	" " on Sewer Loan,	15,858 00
14.	" " on Water " "	24,639 00
15.	Lighting Streets,	27,774 96
16.	Liquor Licenses,	37,850 00
17.	Loans, Funded City,	176,000 00
18.	" " "Sewer,"	33,600 00
19.	" " "Water,"	27,500 00
20.	" " "Temporary,"	450,000 00
21.	Lynde Brook Damages,	40,298 50
22.	Pauper Department, "City Relief,"	14,627 72
23.	" " "Farm,"	11,776 35
24.	" " "House Offal,"	4,006 32
25.	" " "Truant School,"	1,308 61
26.	Police Department,	45,625 02
27.	Premium on City Bonds,	4,978 67
28.	Public Grounds,	4,081 65
29.	Real Estate, "Lien Account,"	569 79
30.	Salaries,	20,270 26
31.	School Department,	142,809 33
32.	" " "Houses	10,992 09
33.	Sewers, "Construction Account,"	8,605 17
34.	" " "Island Account,"	104,410 83
35.	" " "Maintenance,"	6,593 87
36.	Sidewalk Assessment,	3,265 85
37.	Sinking Fund, "General Debt,"	87,774 46
38.	" " "1876, "Water Loan,"	1,906 23
39.	" " "1877, "Lynde Brook Damages,"	8,464 12
40.	" " "1878, " " " "	6,494 89
41.	State Aid,	11,814 00
42.	Street Construction,	8,793 02
43.	" " "Foster Street,"	64,451 23
44.	Taxes, 1877, "County,"	27,656 12
45.	" " "1877, "National Bank, State Account,"	22,991 52
46.	" " "1877, "State,"	42,765 00
47.	" " "1878, "County,"	25,927 62
48.	Water Works, "Construction,"	35,509 22
49.	" " "Maintenance,"	18,794 01
		<hr/>
	Balance, Cash in Treasury, Nov. 30, 1878	\$1,878,340 42
		176,390 37
		<hr/>
		\$2,054,730 79



# REPORT

## OF

# Treasurer of the Trust Funds.

OFFICE OF THE CITY TREASURER, }  
WORCESTER, MASS., January 6, 1879. }

*To the Honorable City Council:*

The undersigned respectfully submits the following statement of Receipts, Payments, Investments at par value, and Balances carried forward on account of the several Trust Funds in his hands as Treasurer, at the close of the financial year ending November 30, 1878.

### Dr. John Green Library Fund.

Investments, Dec. 1, 1877,	\$36,892 34
Cash on deposit, book account, Dec. 1, 1877,	1,687 03
	<hr/> \$38,579 40
Income during year,	2,459 90
	<hr/> \$41,039 30
Total,	\$41,039 30
Payments during year,	1,673 65
	<hr/> \$39,365 65
Balances carried forward, viz:	
Investments: First Mortgages,	\$26,048 50
“ Bank stock,	9,300 00
“ Savings Bank deposits,	2,147 64
	<hr/> \$37,496 14
Cash on deposit, book account,	1,869 51
	<hr/>

\$39,365 65



**George Jaques Hospital Fund.**

Investments, Dec. 1, 1877,	\$21,761 89
Income during year,	12,980 32
Total,	\$34,742 21
Payments during year,	2,599 05
	<u>\$32,143 16</u>

Balance carried forward, viz:

Investments: First Mortgages,	\$16,700 00
" City Bonds,	5,000 00
" Town Note,	5,000 00
" Savings Bank deposits,	2,413 89
" National Bank deposits,	1,000 00
" Bank Stock,	1,500 00

\$31,613 89

Cash on deposit,	529 27
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\$32,143 16**Isaac Davis Hospital Fund.**

Investments, Dec. 1, 1877,	\$1,350 07
Income during year,	96 53
	<u>\$1,446 60</u>

Amount carried forward, viz:

Investments: Railroad Bond,	\$1,000 00
" Savings Bank deposits,	446 60

\$1,446 60**Albert Curtis Hospital Fund.**

Investments, Dec. 1, 1877,	\$1,038 37
Income during year,	52 22
Total,	\$1,090 59
Payments during year,	14 30
	<u>\$1,076 29</u>

Balance carried forward, viz:

Investments: Savings Bank deposits,	\$1,076 29
-------------------------------------	------------

\$1,076 29**John B. Shaw Hospital Fund.**

Investments, Dec. 1, 1877,	\$61 50
Income during year,	2 77
	<u>\$64 27</u>

Balance carried forward, viz:

Investments: Savings Bank deposits,	\$64 27
-------------------------------------	---------

\$64 27

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

Investments, Dec. 1, 1877,	.	.	.	.	.	.	\$1,391 91
Income during year,	.	.	.	.	.	.	79 76
							<hr/>
Total,	.	.	.	.	.	.	\$1,471 67
Payments during year,	.	.	.	.	.	.	71 67
							<hr/>
							\$1,400 00
Balance carried forward, viz:							
Investments: City Bond,	.	.	.	.	.	\$1,100 00	
" Savings Bank deposits,						300 00	
							<hr/>
							\$1,400 00

**Hope Cemetery Fund.**

Investments, Dec. 1, 1877,	.	.	.	.	.	.	\$3,792 18
Cash on deposit, Dec. 1, 1877,	.	.	.	.	.	.	1,167 48
							<hr/>
							\$4,959 66
Income during year,	.	.	.	.	.	.	2,826 07
							<hr/>
Total,	.	.	.	.	.	.	\$7,785 73
Payments during year,	.	.	.	.	.	.	2,600 58
							<hr/>
							\$5,185 15
Balance carried forward, viz:							
Investments: Savings Bank deposits,	.	.	.	.	.	\$3,960 64	
Cash on deposit,	.	.	.	.	.	1,224 51	
							<hr/>
							\$5,185 15
							<hr/>
Total amount of funds,	.	.	.	.	.	.	\$80,681 12

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, 1878; and the balances unexpended at that date.

## *Abatements and Discounts.*

Appropriation,	\$44,000 00	
Less amount transferred to Board of Health,	400 00	\$43,600 00
	<hr/>	

## EXPENDED.

For Abatements allowed by Assessors,	\$2,678 67	
Discount allowed for prompt payment,	39,484 18	
	<hr/>	
Total as per item No. 1 of Expenses,		\$42,162 85
		<hr/>
Balance unexpended transferred to Sinking Fund,		\$1,437 15

## *Board of Health.*

Appropriation,	\$400 00	\$400 00
	<hr/>	

## EXPENDED.

For Salary of Thomas Harrington,	\$130 00	
“ “ F. C. Bigelow,	130 00	
Blank books and stationery,	18 38	
Printing,	6 25	
	<hr/>	
Total as per item No. 2 of Ex-		
penses,		\$284 63
		<hr/>
Balance unexpended transferred		
to Sinking Fund,		\$115,37

*Bills Receivable.*

Boston & Albany Railroad Co. obliga-		
tion of January 4, 1873, for land	\$39,452 00	\$39,452 00
	<hr/>	

## RECEIVED.

Cash for above obligation,		
	<hr/>	
Total as per item No. 1 of Re-		
ceipts,		39,452 00

*City Hall.*

Appropriation,	\$3,600 00	\$3,600 00
	<hr/>	

## RECEIVED.

For Rent of Court Room,	\$1,000 00	
Material sold,	2 00	
	<hr/>	
Total as per item No. 2 of Re-		
ceipts,		\$1,002 00
		<hr/>
		\$4,602 00

## EXPENDED.

For Furniture, fixtures and repairing		
same,	\$81 69	
Repairs on building,	1,381 23	
Gas,	1,329 76	
Fuel,	480 44	
Care of Heating Apparatus, &c.,	270 00	
Brooms, brushes, matches, &c.,	105 14	
Ice,	37 72	
Carting ashes and trucking,	15 91	
Insurance,	50 00	
	<hr/>	
Total as per item No. 3 of Ex-		
penses,		\$3,751 89
		<hr/>
Balance unexpended transferred		
to Sinking Fund,		\$850 11

*City Hospital.*

Appropriation,	<u>\$8,000 00</u>	\$8,000 00
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## RECEIVED.

For Care of Paupers from Common-		
wealth,	\$148 14	
Board of Patients,	759 72	
Produce sold,	78	
Manure,	9 66	
from Commissioners of Jaques		
Hospital Fund,	1,287 57	
Swine and pork,	101 92	
Rent and storage,	19 00	
Surgical instruments, medicines		
and bottles,	10 80	
	<hr/>	
Total as per item No. 3 of Re-		
ceipts,		\$2,337 59
		<hr/>
		\$10,337 59



## EXPENDED.

For Salary of Dr. J. B. Rich,	\$700 00
Services of Nurses and others,	2,131 87
Groceries and provisions,	2,764 78
Bedding, table linen, &c.,	71 82
Crockery, tinware, &c.,	73 76
Furniture, fixtures and repairing	
same,	158 45
Repairs on building,	164 52
Surgical Instruments, and repair-	
ing same,	107 95
Medicines,	561 21
Fuel,	376 78
Gas,	249 09
Printing,	62 20
Stationery, postage, express, &c.,	51 72
Hay and grain,	223 28
Ice,	113 54
Cow,	94 00
Blacksmithing,	33 74
Seeds, &c.,	8 30
Tools and hardware,	30 86
Hack hire,	4 75
Water,	50 00
Harnesses and repairing same,	19 71
Carriage, and repairing same,	65 95
Sleigh and robe,	48 00
Freight and trucking,	2 70
Shoes,	3 00
Rent, to Jacques Hospital Fund,	750 00

Total as per item No. 4 of Ex-  
penses,

\$8,921 98

Balance unexpended transferred  
to Sinking Fund,

\$1,415 61

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

Balance brought forward, \$732 61

## RECEIVED.

From Sale of Estates in excess of taxes

and costs, as per item No. 4 of  
Receipts,

10 26

\$742 87

## EXPENDED.

Amount in excess of taxes and costs  
repaid, as per item No. 5 of  
Expenses,

\$486 78

Balance,

\$256 09

*Fire Department.*

Appropriation,

\$43,000 00

## RECIEVED.

For Labor of men and teams,	\$987 82
Grain sold,	33 24
Old hose and stove sold,	82 11
Use of Steamer, &c.,	51 50
Use of roof of Engine House,	12.00

Total as per item No. 5 of  
Receipts,

\$1,166 67

\$44,166 67

## EXPENDED.

For salary of S. E. Combs, Chief En-  
gineer,

\$1,200 00

“ “ Wm. Brophy, Asst. “ 1,000 00

“ “ G. N. Rawson, “ “ 200 00

“ “ J. W. Loring, “ “ 200 00

“ “ Samuel H. Day, “ “

and clerk, 250 00

Pay Roll of men, Steamer No. 1, 1,236 25

“ “ “ “ 2, 1,055 00

“ “ “ “ 3, 1,346 67

“ “ “ “ 4, 1,295 00

“ “ City Hose Co., No. 1, 905 00

“ “ Ocean “ 2, 1,005 00

“ “ Eagle “ 3, 955 00

“ “ Niagara “ 4, 892 92

Pay roll of men, Yankee Hose Co. No. 5,	1,021	67
“ “ Tiger “	6,	855 00
“ “ Protector “	7,	855 00
“ “ Hook & Ladder Co.,		
No. 1,	1,753	75
“ “ Hook & Ladder Co.,		
No. 2,	1,301	67
“ “ Babcock Extinguisher,	290	83
Services of Stewards and Drivers,	6,369	47
New Apparatus,	3,772	23
Repairs of Apparatus,	1,532	90
Repairs of Houses,	783	60
Alarms for fire,	104	00
Materials for, and repair of telegraph,	400	04
Hose,	2,924	59
Hay, grain and straw,	1,471	43
Horses for drawing apparatus,	1,010	10
Harnesses, blankets, and repairing		
same,	215	12
Medicine and attendance for horses,	24	00
Repairing wagons and carts,	107	70
Oil, soap, brushes, &c.,	245	47
Belts, straps and badges,	22	00
Fuel,	580	83
Gas,	438	61
Advertising,	2	98
Printing,	135	94
Blacksmithing,	409	48
Freight and trucking,	72	63
Furniture, fixtures, and repairing		
same,	244	05
Washing of bedding,	262	93
Express, stamps, &c.,	81	38
Hardware and tools,	119	80
Refreshments for Firemen,	2	45
Stove and fittings,	279	97
Fire Alarm Indicator,	125	00
Travelling Expenses for purchase		
of Apparatus,	84	61
Horse,	260	00
Labor at Adriatic Mills,	10	00
Repairs of Engine House at New		
Worcester,	969	04
Band Music for parade,	121	00
Ice,	7	98

Automatic Fire Alarm,	200 00	
Damage to carriage, paid J. J. Powers,	15 00	
Lease of Telephone,	45 00	
	<hr/>	
Total as per item No. 6 of Expenses,		\$41,070 09
		<hr/>
Balance unexpended transferred to Sinking Fund,		\$3,096 58

*Fire Patrol.*

Appropriation,	\$1,200 00	\$1,200 00
	<hr/>	

## EXPENDED.

Paid Drafts as per order of Fire Department,	\$1,200 00	
	<hr/>	
Total as per item No. 7 of Expenses,		\$1,200 00

*Free Public Library.*

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

For Dog Fund, (County)	2,722 18	
Fines, &c.,	514 31	
	<hr/>	
Total as per item No. 6 of Receipts,		\$3,236 49
		<hr/>
		\$11,236 49

## EXPENDED.

For Salary of S. S. Green, Librarian,	\$2,500 00
“ “ Assistants,	3,626 64
“ “ Janitor,	409 00

Books and stationery,	1,700 30
Binding books,	940 59
Brooms, dusters, matches, &c.,	17 75
Fuel,	201 65
Gas,	978 06
Printing,	191 59
General repairs,	185 97
Stamps, express, &c.,	253 49
Expense of Reading Room,	100 00
Cleaning building and removing ashes,	17 40
Insurance,	105 00
Water,	5 00

Total as per item No. 8 of Ex-  
penses,

\$11,232 44

Balance unexpended transferred  
to Sinking Fund,

\$4 05

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

Appropriation,	\$4,000 00	\$4,000 00
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EXPENDED.

For Lumber and carpenter work,	\$1,872 63
Labor on Elevator,	113 17
Blacksmithing,	11 76
Plumbing,	532 32
Hardware,	56 71
Travelling expenses of Committee,	6 05
Water pipe and Labor,	28 29
Ventilator vailles,	33 00
Glass,	11 37
Advertising,	4 00
Painting,	150 30
Mason work,	54 28
Pipe and fittings,	50 09
Doors,	13 10
Whitening rooms,	17 50
Register,	8 70



Gas fixtures,	50 07	
Total as per item No. 9 of Expenses,		\$3,013 34
Balance unexpended,		\$986 66

*Highway Department.*

Appropriation, (Highways and Sidewalks,)	\$40,000 00	\$40,000 00
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## RECEIVED.

For Labor, &c.,	\$13,117 62	
Amount transferred from Sidewalk Assessments,	3,265 85	
Paving, Worcester Street Railway Company, 1870,	1,500 00	
Total as per item No. 7 of Receipts,		\$17,883 47
		\$57,883 47

## EXPENDED.

For Salary of David F. Parker, Commissioner,	\$1,900 00
Labor of men as per pay rolls,	26,761 57
Clerical labor,	207 87
Extra labor of men and teams,	2,182 34
Engineering,	828 89
Hardware and tools,	572 64
Blacksmithing,	905 94
Brick,	1,978 80
Cobble stone,	610 09
Curb stone,	2,339 13
Flag stone,	725 20
Paving blocks,	134 25
Gravel,	116 10
Lime and cement,	278 70
Paving,	2,572 27
Stone posts, wall stone, setting and laying same,	163 83
Drain pipe,	115 54

Powder and fuse,	30 40
Oil, lanterns, brooms, &c.,	63 59
Advertising,	24 00
Printing,	44 72
Lumber, carpenter work and general repairs,	1,512 51
Harnesses, blankets, and repairing same,	220 45
Carts, wagons, sleighs, and repairing same,	376 70
Hay, grain and straw,	2,274 19
Freight and trucking,	553 60
Medicines for horses,	17 13
Removing snow,	576 63
Blank books, stationery, stamps, &c.,	30 91
Fuel,	54 55
Gas,	28 74
Water,	30 00
Horses,	362 50
Repairing Hay Scales,	198 80
Repairing Sweeper,	36 00
Piles and pile driving,	82 60
Travelling expenses,	17 29
Supplying watering troughs,	37 00
Gravel pit, (C. S. Messinger),	100 00
Mason work,	229 82
Pasturing horses,	20 55
Flax packing,	7 28
Hacking,	13 00
Water pipe,	47 60
Moving water pipe, Jackson street,	353 20
Rent of land for storage,	10 00
Paints and oils,	10 32
Iron fence,	383 79
Man hole covers,	30 33
Appraising and sale of building,	21 24
Moving buildings,	198 00
Repairs on Donahue house,	169 56
Legal expenses, Dutton case,	204 50
Legal expenses, Aitchison street,	6 86
Jonathan Barnard, personal injury,	100 00
Elizabeth Crozier,           “       “	150 25
James Kelley,               “       “	168 04

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Total as per item No. 10 of Ex- penses,	\$51,189 81
Balance unexpended transferred to Sinking Fund,	\$6,693 66

*Incidental Expenses.*

Appropriation,	\$6,000 00
Less amount transferred to Pub- lic Grounds,	289 34
	<hr/>
	\$5,710 66

## RECEIVED.

For Office fees from City Clerk,	\$1,355 98
Office fees, recording marriages and deaths, City Clerk,	178 25
Office fees, collecting and record- ing births, City Clerk,	581 20
Licenses from “	1,210 64
Dog “ “ “	1,504 00
Sale of Centennial pamphlets and ordinances, City Clerk,	10 25
Peddlers' licenses,	50 00
Rent of Armories from Common- wealth,	1,500 00
Gas from Armory,	20 00
One-half fees from weighing on City Scales,	318 84
Materials sold from Armory,	15 00
Stationery,	64 72
Summonses,	80 20
Costs on taxes, 1876,	4 84
“ “ 1877,	742 18
“ “ 1878,	4 88
Costs collecting sewer assessments, old account,	63 45
Costs collecting sewer assessments, new account,	13 60
Costs collecting street betterments,	10 35
Amount uncalled for from A. M. Parker,	3 50

For Costs on Lien Account,	10 60
Taxes collected of F. M. Johnson, assignee, 1870,	174 00
Taxes, 1871, collected by Geo. W. Wheeler,	5 22
Amount refunded being paid by County from D. M. Earle,	3 16
Amount Dividend on Policy 2666, Capron House,	1 68

Total as per item No. 8 of Receipts,

\$7,926 54

\$13,637 20

#### EXPENDED.

For services of Engineers,	42 75
Engineer's instruments and repairing same,	156 19
Advertising,	749 57
Printing,	1,501 91
Services of Ward Clerks and Inspectors,	128 50
Gas for Armory,	264 84
Coal " "	15 00
Furniture, fixtures and repairing same, Armory,	891 98
Janitor for " "	45 00
Rent, furniture, care and heating of Ward Rooms,	80 34
Coal for City Scales,	7 60
Gas " Supt. Public Buildings,	1 03
Return of deaths by undertakers,	282 25
Collecting births,	736 24
Care of Clocks,	55 75
Clock on Old South Church,	400 00
Directories and advertising in same,	202 00
Hack and horse hire,	39 50
Posting tax notices,	12 00
Serving Summonses and Demands,	3 16
Central District Court Legal fees,	70 95
Fees County Treasurer,	92 47
Examining records,	68 25
Legal charges, John A. Dana,	5 20

For killing dogs,	\$ 57 00
Blank books and Stationery,	581 40
Express, stamps and telegrams,	284 80
Postal cards,	300 00
Telegraphing Cambridge time,	78 14
Clerical labor for City Clerk,	669 00
"    "    on Voting list for	
City Clerk,	137 25
Return of marriages and deaths,	178 25
Sprinkling around Public Build-	
ings,	200 00
Use of Horticultural Hall,	15 00
Repairing standard measures,	1 50
"    City Scales,	7 61
Scales at Quinsigamond,	292 36
Repairing Liberty pole,	7 40
Expense of labor on band stand,	27 99
Band concerts,	300 00
Memorial day expenses,	444 41
Fourth of July celebration,	425 00
Thomas obsequies,	623 60
Printing bonds,	16 00
Maps of Worcester,	110 00
B. W. Abbott, services as Auc-	
tioneer,	10 00
Refunded on account Sewer tax,	
Geo. Bailey,	17 71
Refunded on account taxes, Caleb	
A. Wall,	482 53
Indigent Soldiers and Seamen,	359 00
R. J. Tatman, services as Reg-	
istrar,	100 00
Samuel Utley, services as Reg-	
istrar,	100 00
Wm. L. Clark, extra services as	
Assessor.	100 00
Lester B. Smith, for damage to	
team,	100 00
Mrs. Jane Ward, allowed on ac-	
count of death of her husband,	500 00

Total as per item No. 11 of  
Expenses,

\$12,378 43

Balance unexpended transferred  
to Sinking Fund,

\$1,258 77



*Interest.*

Appropriation,	\$116,000 00	
Less amount transferred to School Department,	7,270 74	
	<hr/>	\$108,729 26

## RECEIVED.

For Interest on deposits,	\$2,315 99	
"    Sidewalk assessments,	10 49	
"    Street betterments,	468 87	
"    Sewer assessments (old account),	1,338 95	
Interest on Sewer assessments (new account),	659 96	
Interest on Lien account,	103 16	
Interest on Certificates of Indebt- edness, accrued from Com- missioners of Sinking Fund,	77 08	
Interest on Certificates of Indebt- edness accrued from Brews- ter, Bassett & Co.,	832 64	
Interest from Commissioners of Sinking Funds,	4,278 35	
Interest from B. & A. R. R. Co. on account of obligation,	13,906 83	
Interest on taxes, 1874,	10	
"    "    1875,	1 12	
"    "    1876,	11 27	
"    "    1877,	1,194 13	
"    "    1878,	16 16	
	<hr/>	
Total as per item No. 9 of Re- ceipts,		\$25,215 10
		<hr/>
		\$133,944 36

## EXPENDED.

For interest on Funded City and Tem- porary Loans, as per item No. 12 of Expenses,	\$121,554 36	
	<hr/>	
Balance unexpended transferred to sinking fund,		\$12,390 00

*Interest on Sewer Loan.*

Appropriation,	\$16,000 00	
	<hr/>	
		\$16,000 00

## EXPENDED.

For Interest on Funded Sewer Loan as per item No. 13 of Ex- penses,		\$15,858 00
		<hr/>
Balance unexpended transferred to Sinking Fund,		\$142 00

*Interest on Water Loan.*

Receipts for water rates transferred from Water Works (Main- tenance account),		\$24,639 00
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## EXPENDED.

For interest on Funded Water Loan, as per item No. 14 of expenses,		\$24,639 00
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*Lighting Streets.*

Appropriation,	\$27,500 00	
	<hr/>	
		\$27,500 00

## RECEIVED.

For lanterns, &c.,	\$69 75	
Total as per item No. 10 of Re- ceipts,		\$69 75
		<hr/>
		\$27,569 75

## EXPENDED.

For Gas, Worcester Gas Light Co.	\$10,535 79
Lighting, Globe Gas Light Co.	13,130 08
Lighting and care of lamps,	2,659 23

Lamp posts and frames,	222 12
Lanterns and lamps,	306 07
Re-setting and repair of lamps,	358 61
Oil, wicks, matches, &c.,	53 40
Alcohol,	129 33
Glass, paints and oil,	144 50
Trucking and freight,	4 00
Ladders and repairing same,	12 50
Printing,	6 88
Engineering, &c.,	5 62
Express,	1 00

Total as per item No. 15 of Ex-  
penses,

\$27,569 14

Balance unexpended transferred  
to Sinking Fund,

62

### *Liquor Licenses.*

Received for Licenses for sale of Li-  
quor as per item No. 11 of  
Receipts,

\$37,850 00

\$37,850 00

### EXPENDED.

Paid Commonwealth of Massachusetts  
one-fourth of Liquor Licenses, \$9,462 50

For amount transferred to Island Sew-  
er account per order of City  
Council, 22,387 50

Amount transferred to Water  
Works Main. per order of  
City Council, 4,000 00

Amount transferred to School  
Houses, per order of City  
Council, 2,000 00

Total as per item No. 16 of  
Expenses,

\$37,850 00

*Loans — Funded City.*

Amount November 30, 1877,	\$1,795,000 00	
		<hr/>
		\$1,795,000 00

## RECEIVED.

For Certificates of Indebtedness, (old loans renewed); due April 1, 1905,	\$100,000 00	
Certificates of Indebtedness, acc't Lynde Brook damages, due Jan. 1, 1888,	60,000 00	
		<hr/>
Total as per item No. 12 of Re- ceipts,		\$160,000 00
		<hr/>
		\$1,955,000 00

## EXPENDED.

For City Bonds and Certificates of In- debtedness payable in 1878, cancelled as per item No. 17 of Expenses,	\$176,000 00	
		<hr/>
Amount November 30, 1878,		\$1,779,000 00

*Loans — Funded Sewer.*

Amount November 30, 1877,	\$261,800 00
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## EXPENDED.

For City Bonds payable in 1878, can- celled as per item No. 18 of Expenses,	\$33,600 00	
		<hr/>
Amount November 30, 1878,		\$228,200 00

*Loans — Funded Water.*

Amount November 30, 1877,	\$427,400 00
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## EXPENDED.

For City Bonds payable in 1878, cancelled as per item No. 19 of Expenses,	\$27,500 00	
	<hr/>	
Amount November 30, 1878,		\$399,900 00

*Loans — Temporary.*

Amount November 30, 1877,	\$25,000 00
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## RECEIVED.

For Loans authorized by City Council as per item No. 13 of Receipts,	\$525,000 00	
	<hr/>	
		\$550,000 00

## EXPENDED.

For City notes cancelled as per item No. 20 of Expenses,	\$450,000 00	
	<hr/>	
Balance,		\$100,000 00

*Lynde Brook Damages.*

Balance November 30, 1877,	\$32,222 93	
Appropriation,	10,000 00	
	<hr/>	
		\$42,222 93

## EXPENDED.

For damages to Individuals and Corporations by breaking of the Lynde Brook Reservoir Dam.

Paid Hopedale Man'fg Co.,	\$614 29
Perley Holman,	500 00
M. M. Weatherhead,	450 00
Ashworth & Jones,	37,100 00
Wm. E. Rice,	213 34
Washburn & Moen Mfg Co.,	285 95
Samuel Shaw,	700 00



George F. Hoar, legal services,	425 00
Referee in Bottomly Case,	40 00
Witness fees,	18 50
Engineering and horse hire (Jamesville),	173 48

Total as per item No. 21 of Ex- penses,	<u>\$40,520 56</u>
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Balance,	<u>\$1,702 37</u>
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***Pauper Department: City Relief.***

Appropriation,	<u>\$14,000 00</u>	
		\$14,000 00

RECEIVED.

From Commonwealth, for support of State Paupers,	\$616 69	
Commonwealth, for burials of State Paupers,	180 00	
Commonwealth, for transporta- tion, &c., of State Paupers,	238 45	
County, Cities, Towns, and indi- viduals, for aid to their poor,	1,206 85	
	<u></u>	
Total as per item No. 14 of Re- ceipts,		<u>\$2,241 99</u>
		\$16,241 99

EXPENDED.

For Salary of Geo. W. Gale, Clerk,	\$1,217 00
Salary of Dr. W. H. Workman, balance,	75 80
Salary of Dr. Geo. A. Jordan,	58 12
Salary of Dr. D. W. Niles as City Physician,	445 00
Professional services, Dr. G. A. Jordan,	53 75
Medical consultations,	27 00
Medicines,	635 19
Burials,	531 00

Transportation and cash allow- ances,	724 66
Groceries and provisions,	2,742 50
Fuel,	1,314 90
Blank books, stationery and stamps,	95 12
Boots, shoes, and clothing,	42 65
Printing,	154 66
Board of girls at State Industrial School,	86 00
Board of boys at State Reform School,	344 00
Hospital for Insane at North- ampton,	24 27
Care of Insane, Worcester Lunatic Asylum,	3,535 03
Care of Chronic Insane, Worces- ter Lunatic Asylum,	381 84
Care of Insane, Commonwealth,	139 00
Amount refunded to “	218 14
Provisions for Police lodgers, &c.	94 25
City of Boston, aid to sundry persons,	196 78
City of Cambridge, aid to sundry persons,	19 15
City of Chelsea, aid to sundry persons,	8 75
Commonwealth “ “	149 50
City of Lynn, “ “	8 00
Town of Chicopee, “ “	18 25
“ Dennis, “ “	3 50
“ Holden, “ “	11 20
“ Marblehead, “ “	11 25
“ Milford, “ “	11 00
“ Northampton, “ “	533 96
“ Northbridge, “ “	57 00
“ Orange, “ “	236 50
“ Oxford, “ “	15 00
“ Rutland, “ “	25 00
“ Upton, “ “	10 00
“ Ware, “ “	22 50
“ Wendell, “ “	6 00
“ West Boylston, “ “	40 90
“ Warren, “ “	25 50
Board of sick and aged poor,	56 00

Legal charges, Springfield suit,	7 60
Clerical labor,	152 25

Total as per item No. 22 of Ex- penses,	\$14,565 47
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Balance unexpended transferred to Sinking Fund,	\$1,676 52
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*Pauper Department.**Farm.*

Appropriation,	\$9,000 00	\$9,000 00
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## RECEIVED.

For Produce sold,	\$266 09
Hides, &c., sold,	29 19
Amount refunded,	4 90
Cobble stones,	18 67
Dividend on Policy No. 10,450,	3 66
Board of men and horses of Scav- enger Department,	1,880 00
Board of teachers and scholars of Truant School,	950 48

Total as per item No. 15 of Re- ceipts.	\$3,152 98
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\$12,152 98

## EXPENDED.

For Salary of B. F. Parkhurst, Super- intendent,	\$900 00
Groceries and provisions,	2,584 60
Grass seed, grain and feed,	822 49
Boots and shoes,	191 98
Clothing,	246 37
Crockery and tinware,	27 99
Books and stationery,	2 91
Fuel,	420 55
Medicines and medical attendance,	252 33
Dry goods, bedding, &c.,	515 59
Hardware, tools, and repairing same,	134 08

Repair of buildings,	1,529 09
Furniture and repairs of same,	188 74
Extra labor,	1,392 77
Blacksmithing,	168 21
Horses, oxen and other stock,	898 00
Wagons, sleighs, and repairing same	5 85
Harnesses and repairing same,	33 88
Care of sick animals,	53 00
Chaplain,	78 00
Worcester Spy and other papers,	16 50
Blankets and buffalo robes,	54 25
Insurance,	92 35
Burials,	8 00
Cash allowances,	16 70
Surveying,	17 00
Manure,	452 04
Transporting paupers,	20 25
Taxes in Town of Shrewsbury,	66 35
Building flume,	238 92
Labor on dam,	235 20
Barrels,	19 00
Sewer pipe,	98 57
Disinfectant powder,	19 92
Expense and materials for Tele- phone,	322 97

Total as per item No. 23 of Ex-  
penses,

\$12,124 45

Balance unexpended transferred  
to Sinking Fund,

\$28 53

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

Appropriation, \$2,000 00

\$2,000 00

RECEIVED.

For Swine,	\$411 42
Pork,	2,048 13
Swill,	98 25

Bones and soap grease,	24 50
Manure,	480 00

Total as per item No. 16 of Receipts,	\$3,062 30
	<hr/>
	\$5,062 30

## EXPENDED.

For Collecting house offal,	\$1,367 50
Extra labor,	51 88
Harnesses and repairing same,	148 90
Wagons, and repairing same,	19 27
Blacksmithing,	128 30
Hardware, tools, buckets, &c.,	48 80
Swine,	23 50
Hay, straw and grain,	179 15
Repairing building &c.,	155 96
Hose,	6 40
Rent of swill depot,	37 50
Signs for wagons,	26 60
Board of men and horses,	1,880 00
Horse,	100 00
Professional services for horse,	2 00
Use of Horse,	11 33
Fuel,	10 00
Ice,	10 00

Total as per item No. 24 of Expenses,	\$4,207 09
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Balance unexpended transferred to Sinking Fund,	\$855 21
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*Pauper Department.*—(Truant School).

Appropriation,	\$1,800 00
	<hr/>
	\$1,800 00

## EXPENDED.

For Salary of teacher,	\$252 18
Board of teachers and scholars,	950 48
Boots and shoes,	19 95



Clothing,	77 50	
Lamps,	1 87	
		<hr/>
Total as per item No. 25 of Ex- penses,		\$1,301 98
		<hr/>
Balance unexpended transferred to Sinking Fund,		\$498 02

*Police Department.*

Appropriation,	\$42,000 00	
	<hr/>	42,000 00

## RECEIVED.

For Officers fees from Clerk of District Court,	\$5,010 10	
Cloth,	455 99	
Extra services of Police,	96 18	
Use of lock up,	1 50	
Material sold,	3 00	
	<hr/>	
Total as per item No. 17 of Re- ceipts,		\$5,566 77
		<hr/>
		\$47,566 77

## 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,	1,100 00	
Policemen as per pay rolls,	39,264 90	
Policemen, extra services as per pay roll (special),	135 00	
Board of State Police,	122 41	
Care of office and cells,	270 00	
Telegrams, express, stationery, &c.,	158 92	
Brooms, lamps, matches, &c.,	10 86	
Advertising,	2 00	
Printing,	79 75	
Cloth, buttons and badges,	493 64	

Furniture, and repairing same,	71 11
Washing,	12 96
Ice,	12 96
Hack and horse hire,	30 55
Rubber capes,	22 00
Ferreotypes,	14 00
Binding books,	48 16
Insect powder,	10 00
Hats,	55 75
Horse,	60 00
Board and pasturing of horses,	947 82
Saddles, bridles, and repairing same,	52 50
Horse medicine,	5 00

Total as per item No. 26 of Ex- penses,	\$45,780 29
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Balance unexpended transferred to Sinking Fund,	\$1,786 48
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### *Premium on City Bonds.*

#### RECEIVED.

For sale of Bonds above par on Funded City Loan, due April 1, 1905,	\$3,436 67
For sale of Bonds above par on Funded City Loan, due Jan- uary 1, 1888,	1,542 00

Total as per item No. 18 of Re- ceipts,	\$4,978 67
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#### EXPENDED.

For Amount paid to Commissioners of Sinking Funds, (acc't General Debt Sinking Fund,)	\$3,436 67
For Amount paid Commissioners of Sinking Funds, (acc't Lynde Brook Damages Sink'g Fund, 1878,)	1,542 00

Total as per item No. 27 of Ex- penses,	\$4,978 67
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*Public Grounds.*

Appropriation,	\$4,000 00	
Amount transferred from Incidental Expenses,	289 34	
	<hr/>	\$4,289 34

## EXPENDED.

For Grading and other labor,	\$1,460 80
Labor of men with teams,	468 95
Plants, trees, planting and trimming,	367 25
Hardware and tools,	99 87
Grass seed and fertilizers,	64 42
Loam and manure,	532 00
Street scrapings,	138 75
Printing,	48 70
Lumber and carpenter work,	156 20
Cement,	3 00
Engineering,	23 56
Stationery, &c.,	10 72
Paving gutters,	253 37
Plumbing,	27 03
Painting signs,	33 50
Re-locating lamp posts,	50 00
Curb stone,	80 25
Gravel,	127 75
Digging well,	37 75
Geese,	10 00
Blacksmithing,	1 84
Building bridge,	293 63
	<hr/>

Total as per item No. 28 of Expenses,	\$4,289 34
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*Real Estate, Lien Account.*

Balance November 30, 1877, brought forward,	\$1,062 34	
Amount abated and disclaimed since November 30, 1877,	253 89	
	<hr/>	\$808 45

## EXPENDED.

For Real Estate sold for taxes and purchased by the Collector, as per item No. 29 of Expenses,	\$569 79	
	<hr/>	\$1,378 24

## RECEIVED.

For amount of Taxes and charges in redemption, as per item No. 19 of Receipts,		533 50
		<hr/>
Balance November 30, 1878,		\$844 74

*Salaries.*

Appropriation,	\$21,500 00	\$21,500 00
	<hr/>	

## EXPENDED.

Paid Charles B. Pratt, as Mayor,	\$1,500 00
William S. Barton, City Treasurer and Collector,	2,500 00
Francis T. Blackmer, City Solicitor,	1,800 00
Enoch H. Towne, City Clerk.	1,500 00
Henry Griffin, City Auditor,	1,220 00
Percy Daniels, (balance), City Engineer,	147 78
C. A. Allen, City Engineer,	1,463 31
William L. Clark, City Assessor,	1,209 99
Josiah P. Houghton, “	1,119 97
Lyman A. Ely, “	859 37
Assistant Assessors,	325 50
Charles H. Peck, Supt. Public Buildings,	1,110 00
Charles Marvin, City Messenger,	1,010 00
Charles B. Damon, bookkeeper,	1,000 00
R. R. Shepard, sealer of weights and measures,	300 00
R. R. Shepard, inspector of milk,	50 00

Theo. H. Bartlett, general clerical assistant,	1,000 00	
S. Hamilton Coe, Clerk of Common Council,	300 00	
Page to Common Council,	27 00	
Clerical labor for Assessors,	522 75	
“ Treasurer,	1,316 23	
<hr/>		
Total as per item No. 30 of Expenses,		\$20,281 09
<hr/>		
Balance unexpended transferred to sinking Fund,		\$1,218 10

### *School Department*

Appropriation,	\$135,000 00	
Amount transferred from Interest,	7,270 74	
<hr/>		
		\$142,270 74

#### RECEIVED.

For School books and stationery,	\$235 98	
Materials sold,	96 95	
Tuition,	31 00	
Dividend on Insurance Policy,	15 06	
Balance Centennial subscription,	9 60	
<hr/>		
Total as per item No. 20 of Receipts,		388 59
<hr/>		
		\$142,659 33

#### EXPENDED.

For Salary of A. P. Marble, Sup't,	\$2,677 50	
“ Teachers, as per pay rolls,	110,166 55	
“ Janitors, as per pay rolls,	5,429 80	
“ Truant Officers,	1,800 00	
Clerical labor,	800 00	
Rent of Superintendent's office,	1,000 00	
“ School rooms,	486 75	



Fuel,	5,394 93
Gas,	397 40
Advertising,	58 69
Printing,	492 50
Furniture and fixtures,	314 57
School Books and stationery,	2,186 12
Materials and Chemical Apparatus for High School,	231 59
Miscellaneous repairs,	6,230 07
Express, stamps, &c.,	118 92
Trucking, freight, and removing ashes,	328 31
Stoves and stove furniture,	95 25
Repairing stoves,	1,193 17
Labor of cleaning school houses,	606 04
Clocks, and repairing same,	158 55
Pianos, tuning, and pitch pipes,	135 85
Brooms, mats, dusters, soap, &c.,	517 22
Removing snow,	53 09
Water,	429 71
Insurance on Boiler,	100 00
Ringin <sup>g</sup> Signal bell,	16 00
Reporting evidence in Jones case,	65 00
New Ventilator,	250 00
Horse hire,	267 75
Travelling expenses of Committee and Superintendent,	46 80
Railroad fare for Drawing Teacher,	58 97
Sidewalk assessment,	227 63
A. J. Wright, Printing Report, per order of School Board,	239 60
Playing organ, School Exhibition,	15 00
Rent of Mechanics Hall, School Exhibition,	70 00

Total as per item No. 31 of Expenses,

\$142,659 33

### *School Houses.*

Balance, November 30, 1878,	\$1,000 00
Appropriation,	8,000 00

9,000 00

## RECEIVED.

For Amount transferred from Liquor		
Licenses,	\$2,000	00
Materials sold,	8	75
	<hr/>	
Total as per item No. 21 of Re-		
ceipts,		2,008 75
		<hr/>
		\$11,008 75

## EXPENDED.

For Reconstructing School house, Graf-		
ton street,	\$732	37
Desks,	225	00
Stoves and fixtures,	135	05
	<hr/>	
Total for Grafton street		
School house,	\$1,029	42

## WINSLOW STREET SCHOOL HOUSE.

For Contract, W. O. White,	\$7,726	00
Extra work, " "	511	58
Furnaces,	495	00
Furniture, fixtures, &c.,	796	60
Engineering and plans,	170	62
Fuel,	5	20
Grading lot,	209	15
Water pipe and labor,	27	52
Insurance,	22	50
	<hr/>	
Total for Winslow Street School		
House,	9,964	17
	<hr/>	
Total as per item No. 32 of Expenses,		10,993 59
		<hr/>
Balance unexpended transferred to Sinking		
Fund,		\$15 16

*Sewer Assessment: Old Account.*

Balance uncollected Nov. 30, 1877,      \$7,271 22

## RECEIVED.

From Sundry persons, as per item No. 22 of Receipts, and trans- ferred to Sinking Fund,	2,228 50	
Balance uncollected Nov. 30, 1878,		5,042 72

*Sewer Assessment: New Account.*

Balance uncollected Nov. 30, 1877,	\$13,332 24	
Amount assessed Dec. 14, 1877,	1,261 88	
	<hr/>	14,594 12

## RECEIVED.

From Sundry persons, as per item No. 23 of Receipts, and trans- ferred to Sinking Fund,	6,801 89	
Balance uncollected Nov. 30, 1878,		7,792 23

*Sewers: Construction Account.*

Appropriation,	\$8,000 00	
Amount transferred from Sewers, Main,	1,741 32	
	<hr/>	9,741 32

## RECEIVED.

For witness fees, as per item No 24 of Receipts,	87 37	
	<hr/>	\$9,828 69

## EXPENDED.

For Pay roll of laborers,	\$3,427 73	
Engineering,	418 52	
Freight and teaming,	173 72	
Inlets and border stone,	667 08	
Brick, cement, sand, drain pipe, &c.,	3,147 25	

Castings, man holes, &c.,	360 74
Cordage and packing,	7 40
Lanterns, oil, &c.,	7 97
Tools, Iron and Steel,	44 80
Powder and fuse,	40 88
Blacksmithing,	96 76
Amount refunded to Worcester Lunatic Hospital, for E. Cen- tral Street Sewer,	244 55
Plumbing,	1 25
Lumber,	27 44
Advertising,	22 50
Damage paid George Crompton,	25 41
Rubber boots,	4 00
Paving,	2 50
Rent,	18 75
	<hr/>
	\$8,739 25

## FOR NORTH POND.

Labor of men, as per pay rolls,	\$574 74
Lumber,	105 00
Trucking,	104 00
Superintending, paid Wm. Knowles,	87 50
Hardware and tools,	79 63
Cordage and packing,	72 23
Horse hire, &c.,	38 16
Blacksmithing,	14 76
Engineering,	7 69
Fuel,	5 73
	<hr/>
	1,089 44

Total as per item No. 33 of Ex-  
penses,

\$9,828 69

*Sewers: Island Account.*

Balance November 30, 1877,	\$28,687 50
Appropriation,	100,000 00
	<hr/>

128,687 50

## RECEIVED.

For Amount transferred from Liquor		
Licenses,	\$22,387	50
Cement sold,	1,018	59
Engine “	700	00
Materials “	79	30
	<hr/>	
Total as per item No. 25 of Receipts,		\$24,185 39
		<hr/>
		\$152,872 89

## EXPENDED.

For Mundell & Whittaker contract.	\$13,374	27
Mundell & Whittaker, advance		
on reserve,	650	00
Laborers, men and teams, as per		
pay rolls,	60,356	02
Cement, F. O. Norton,	10,034	98
Freight on cement,	2,685	48
Stone, Brigham Converse,	12,296	13
Hardware and tools,	3,409	23
Lumber and carpenter work,	1,769	07
Engines, and freight on same,	3,605	90
Fuel,	1,362	04
Trucking,	728	41
Sand and sewer pipe,	1,328	15
R. H. Chamberlain, salary, (part),	700	02
C. S. Chapin, timekeeper,	704	60
Horse keeping, R. H. Chamberlain,	234	00
Repairing engines and boiler,	225	22
Engineering,	1,800	81
Hack and horse hire,	211	50
Advertising,	39	50
Printing,	15	00
Travelling expenses of Committee		
and Engineer,	124	27
Stationery and telegrams,	32	51
Oil, soap, &c.,	226	34
Stove,	4	50
Mason work,	21	81
Pipe and couplings,	202	80
Blacksmithing,	273	19
Plumbing,	2	86
Iron and steel,	205	85

Rubber goods,	159 22
Rent of land, paid heirs of J. D. Grout,	150 00
Building fence, paid J. S. Perry,	93 25
Rent of pasture, paid heirs of Perry,	175 00
Castings,	59 55
Cordage and packing,	284 54
Paints and oil,	8 88
Gas pipes and fittings,	3 87
Repairing wagon,	14 50
Sinking well, paid Mundell & Whittaker,	38 00
Making road, paid Mundell & Whittaker,	100 00
Rend rock, paid Mundell & Whittaker,	101 50
Water pipe, fittings, &c.,	492 02
Medical attendance upon Dwyer,	3 00
Injury to estate, paid John McNamara,	150 00

Total as per item No. 34 of Expenses,	\$118,457 79
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Balance unexpended,	\$34,415 10
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### *Sewers ; Maintenance.*

Appropriation,	\$8,500 00	
Less amount transferred to Sewers Construction,	1,741 32	
		\$6,758 68

### RECEIVED.

For Materials sold as per item No. 26 of Receipts,	4 15
	\$6,762 83

### EXPENDED.

For Pay rolls of laborers,	\$4,488 44
Salary of R. H. Chamberlain,	699 98
Trucking and freight,	995 53



For Rubber goods,	22 00	
Sewer pipe, cement and sand,	8 40	
Catch basin covers,	126 70	
Blacksmithing,	2 14	
Hardware and tools,	53 33	
Oils, &c.,	5 44	
Rent for Storage,	71 25	
Cordage,	7 88	
Hose, and repairing same,	17 30	
Printing,	3 25	
Stone Inlets,	11 00	
Wagon,	50 00	
Water pipe and labor,	2 70	
Pipe and couplings,	3 15	
Paving,	3 25	
		<hr/>
Total as per item No. 35 of Expenses,		\$6,571 74
		<hr/>
Balance unexpended transferred to Sinking Fund,		\$191 09

*Sidewalk Assessment.*

## RECEIVED.

From Sundry persons for assessments, as per item No. 27 of Receipts,	\$3,265 85
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## EXPENDED.

Transferred to Highway Department, per order of City Council, as per item No. 36 of Ex- penses,	\$3,265 85
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*Sinking Fund: General Debt.*

Balance November 30, 1877,	\$68,643 02	
Amount transferred from Premium Account,	3,436 67	
		<hr/>
		\$72,079 69

## RECEIVED.

Amount paid to Commissioners of Sinking Fund,	\$81,082 68
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Amount of premium on bonds sold; paid to Commissioners of Sinking Fund,	3,436 67	
Amount of premium and interest from Commissioners of Sinking Fund, collected on invest- ments,	3,255 11	
Total as per item No. 37 of Expenses,		87,774 46
		<u>\$159,854 15</u>

## EXPENDED.

Paid by Commissioners of Sinking Fund, for bonds maturing and canceled, 1878,	\$137,100 00	
Paid by Commissioners of Sinking Fund, premium and interest on investments,	933 92	
Paid by Commissioners of Sinking Fund, for premium on bonds,	3,436 67	
Total as per item No. 28 of Receipts,		141,470 59
Balance in hands of Commissioners of Sinking Fund, November 30, 1878,		<u>\$18,383 56</u>

*Sinking Fund, 1876: Water.*

Balance Nov. 30, 1877, in hands of Commissioners of Sinking Fund,	\$4,183 70
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## RECEIVED.

Amount of special appro- priation, as per order of City Council,	\$1,500 00	
Amount of premium and interest collected since November 30, 1877,	406 23	
Total as per item No. 38 of Expenses,	<u>\$1,906 23</u>	\$6,089 93

## EXPENDED.

Paid by Commissioners of Sinking Fund for Premium and interest, as per item No. 29 of Receipts,	\$130 99
	<hr/>
Balance November 30, 1878, in hands of Commissioners of Sinking Funds,	\$5,958 94

*Sinking Fund, 1877: Lynde Brook Damages.*

Balance Nov. 30, 1877, in hands of Commissioners of Sinking Fund,	\$9,764 87
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## RECEIVED.

Amount of special appropriations, as per order of City Council,	\$8,000 00
Amount of premium and interest collected since Nov. 30, 1877, and paid to Commissioners of Sinking Fund,	464 12
	<hr/>
Total as per item No. 39 of Expenses,	8,464 12
	<hr/>
	\$18,228 99

## EXPENDED.

Paid by Commissioners of Sinking Funds for Premium and interest as per item No. 30 of Receipts,	983 75
	<hr/>
Balance Nov. 30, 1878, in hands of Commissioners of Sinking Funds,	\$17,245 24

*Sinking Fund, 1878: Lynde Brook Damages.*

Amount transferred from Premium Account,	\$1,542 00
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Amount transferred from Water Main- tenance,	4,800 00
	<hr/>
	\$6,342 00

## RECEIVED.

Amount of Special appropria- tion, as per order of City Council,	\$4,800 00	
Amount of premium on bonds sold, paid to Commis- sioners of Sinking Fund,	1,542 00	
Amount of interest from Com- missioners of Sinking Fund, collected,	152 89	
	<hr/>	
Total as per item No. 40 of Expenses,	\$6,494 89	\$12,836 89
	<hr/>	

## EXPENDED.

Paid by Commissioners of Sinking Fund for premium and interest,	\$253 77	
Amount of premium on bonds and special appropriation,	6,342 00	
	<hr/>	
Total as per item No. 31 of Receipts,		6,595 77
		<hr/>
Balance Nov. 30, 1878, in hands of Commis- sioners of Sinking Funds,		\$6,241 12

*State Aid.*

Balance Nov. 30, 1877, brought forward,	\$31,103 59
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## EXPENDED.

Paid Soldiers and families in Dec., 1877,	\$1,085 00
“ “ “ Jan., 1878,	921 50
“ “ “ Feb., “	953 25
“ “ “ March, “	1,017 75
“ “ “ April, “	930 50

Paid Soldiers and families in May, 1878,	973	75
“ “ “ June, “	973	25
“ “ “ July, “	999	75
“ “ “ Aug., “	952	25
“ “ “ Sept., “	970	25
“ “ “ Oct., “	991	25
“ “ “ Nov., “	1,045	50

Total as per item No. 41 of Expenses,	\$11,814 00
	<hr/>
	\$42,917 59

## RECEIVED.

For amount allowed by State Auditor, as per item No. 32 of Receipts,	\$13,042 97
	<hr/>
Balance due from the State,	\$29,874 62

*Street Betterments.*

## RECEIVED.

For Assessments for Betterments,	
“ “ Auburn Street,	\$225 32
“ “ Canterbury “	84 08
“ “ Crescent “	1,150 00
“ “ Newton “	303 37
“ “ Pond “	103 84
“ “ Pratt “	1,342 67
“ “ Wellington “	114 00
“ “ Wilmot, “	18 10
“ “ Woodland “	42 40

Total as per item No. 33 of Receipts, and transferred to Sinking Fund,	\$3,383 78
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*Street Construction.*

Appropriation,	\$10,000 00
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## RECEIVED.

For Amount refunded,	\$5 00
Amount of sundry bills	

transferred to Street Construction, Foster Street, 317~~5~~31

Total, as per item No. 34 of Receipts,	322 31	
	<hr/>	\$10,322 31

## EXPENDED.

## FOR AITCHISON STREET.

Geo. T. Aitchison, land,	\$1,055 33	
Grading by Highway Department,	134 00	
Engineering,	28 27	
Setting bounds,	15 00	
Legal costs,	6 86	
	<hr/>	\$1,239 46

## FOR CRESCENT STREET.

Costs in Prentiss suit, paid G. H. Ball,	\$36 66	
Legal costs, paid Bacon, Hopkins & Bacon,	80 32	
	<hr/>	\$116 98

## FOR CASTLE STREET.

Engineering,		\$2 75
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## FOR GOULDING STREET.

Grading by Highway Department,	\$518 91	
Labor, filling,	61 50	
Engineering,	2 75	
	<hr/>	\$583 16

## FOR HANOVER STREET.

Land, paid Brigham Converse,		\$34 50
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## FOR HIGHLAND STREET.

Injury* from defective highway, paid G. H. Dutton,	\$1,600 00	
Costs of suit,	417 37	
	<hr/>	\$2,017 37



## FOR JACKSON STREET.

Grading by Highway Department,	\$1,332 44	
Engineering,	12 93	
Labor on drain pipe,	13 19	
Lumber,	6 08	
	<hr/>	\$1,364 64

## FOR LINCOLN STREET.

Land damages and legal costs, paid heirs of S. A. Brittan,		\$1,072 05
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## FOR MILLBURY STREET.

Engineering,		\$10 50
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## FOR EAST MILLBURY STREET.

Engineering,		\$13 00
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## FOR MILLBURY STREET, NEW GRADE.

Engineering,		\$9 81
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## FOR PRATT STREET.

Legal costs, Wm. T. Merrifield,		\$156 91
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## FOR QUINSIGAMOND AVENUE.

Engineering,	\$136 40	
Grading by Highway Department,	371 50	
	<hr/>	\$507 90

## FOR SUNDRY STREETS.

Printing,	\$24 95	
Engineering,	56 59	
	<hr/>	\$81 54

Total as per item No. 42 of Expenses,		<hr/> \$7,210 57 <hr/>
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Balance unexpended, transferred to Sink- ing Fund,		\$3,111 74
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*Street Construction. Foster Street.*

Appropriation, \$100,000 00

## RECIEVED.

For Materials sold as per item No. 35  
of Receipts, 3 00

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\$100,003 00

## EXPENDED.

For Travelling expenses of Committee,	\$7 50
Engineering,	88 54
Traveling expenses of Engineers,	13 50
Sundry bills, February and March, 1877, transferred from Gen- eral Construction account,	317 31
Land, Hope Cemetery, paid C. S. Bancroft,	2,200 00
Moving and rebuilding Isaiah Thomas tomb,	234 26
Removing bodies from old Ceme- tery, paid Geo. Sessions & Son,	3,058 00
Jos. Lovell, salary as superin- tendent,	92 50
Repairing building of Wm. Dick- inson,	931 42
Iron fence,	256 29
Land, paid Lazell heirs,	5,559 65
Examining real estate titles, paid J. D. Daniels,	150 00
Land, paid Boston & Albany Rail- road Co.,	45,134 52
Labor and material, paid A. B. Lovell,	184 62
Grading by Highway Depart- ment,	5,616 24
Crosswalks and paving,	330 85
Advertising,	121 17
Hack hire,	1 50
Stone, &c.,	24 28
Fuel,	21 00

Cement,	75 90	
Lumber and piles,	116 18	
		<hr/>
Total as per item No. 43 of Ex-		
penses,		64,535 23
		<hr/>
Balance unexpended Nov. 30, 1878,		\$35,467 77

***Taxes, 1874.***

Balance uncollected Nov. 30, 1877,      \$6,126 36

## RECEIVED.

From sundry persons, as per item No.  
36 of Receipts,      3 68

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

***Taxes, 1875.***

Balance uncollected Nov. 30, 1877,      \$6,198 68

## RECEIVED.

From sundry persons, as per item No.  
37 of Receipts,      6 98

Balance uncollected Nov. 30, 1878,      \$6,191 70

***Taxes, 1876.***

Balance uncollected Nov. 30, 1877,      \$5,751 46

Amount added, error in tax sales of  
1877,      74 00

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\$5,825 46

## RECEIVED.

From sundry persons, as per item No.  
38 of Receipts,      90 88

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

*Taxes, 1877.*

Balance uncollected Nov. 30, 1877,      \$34,773 68

## RECEIVED.

From sundry persons as per item No.  
39 of Receipts,      30,086 34

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

*Taxes, 1877: Corporation.*

Balance due Nov. 30, 1877,      \$29,594 98

## RECEIVED.

From the Commonwealth, as per item  
No. 40 of Receipts,      29,480 84

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Balance due Nov. 30, 1878,      \$114 14

*Taxes, 1877: County.*

Balance due County, Nov. 30, 1877,      \$27,656 12

## EXPENDED.

Amount paid to County Treasurer, as  
per item No. 44 of Expenses,      \$27,656 12

*Taxes, 1877: National Bank, State Account.*

Amount assessed in 1877,      \$29,601 66

## RECEIVED.

Amount from State Treasurer, as per  
item No. 41 of Receipts,      \$6,610 14

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\$22,991 52

## EXPENDED.

Amount paid to State Treasurer, as per  
item No. 45 of Expenses,      \$22,991 52

*Taxes, 1877: State.*

Amount assessed in 1877,	\$42,765 00
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## EXPENDED.

Amount paid to State Treasurer, as per item No. 46 of Expenses,	\$42,765 00
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*Taxes, 1878.*

Amount assessed for State Tax,	\$28,510 00	
“ “ County Tax,	51,855 24	
“ “ City and National Bank Tax,	616,553 84	
“ “ Additional Tax,	250 00	
	<hr/>	\$697,169 08

## RECEIVED.

From sundry persons as per item No. 42 of Receipts,	<hr/>	666,002 26
Amount uncollected Nov. 30, 1878,		\$31,166 82

*Taxes, 1878: County.*

Amount assessed in 1878,	\$51,855 24
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## EXPENDED.

Amount paid to County Treasurer, as per item No. 47 of Expenses,	\$25,927 62	
Balance due County, Nov. 30, 1878,	<hr/>	\$25,927 62

*Water Works: Construction Account.*

Appropriation,	\$20,000 00	
	<hr/>	\$20,000 00

## RECEIVED.

For service pipe, meters, labor, &c.,	14,397 12	
Amount transferred from Liquor Licenses,	4,000 00	
Total as per item No. 43 of Receipts,		18,397 12
		<hr/>
		\$38,397 12

## EXPENDED.

For Labor of men, as per pay rolls,	\$5,378 32	
F. E. Hall, salary as Commissioner,	1,720 42	
Clerical labor,	418 50	
Engineering,	13 94	
Hydrants, water gates and pipe,	1,822 00	
Castings,	749 67	
Plumbing,	23 20	
Pipe and fittings,	1,262 23	
Cement, pipe and sand,	165 16	
Lead,	284 76	
Hardware and tools,	13 35	
Blacksmithing,	120 06	
Lumber and carpenter work,	82 36	
Union Water Meter Co., meters, couplings, &c.,	7,958 75	
W. E. Desper, meters and repairs of same,	2,499 05	
Freight and trucking,	954 85	
Iron pipe,	7,114 44	
Lead pipe,	80 12	
Oil,	6 18	
Rubber goods,	7 80	
Stationery, stamps and blank books,	14 37	
Wire cloth,	15 82	
Glass dials,	4 50	
Solder,	3 25	
Jute packing,	41 74	
Re-laying gas pipe,	51 20	
Powder,	9 75	
Setting meters,	2 50	
Building wall near reservoir,	44 50	
Diverting Lynde Brook stream, paid Crompton Carpet Co.,	4,087 23	



For Injury to carriage, paid Albert E. Smith,	\$125 00	
Preparing and printing report concerning dam, paid Clark Jillson,	200 00	
Total as per item No. 48 of Expenses,		35,275 02
Balance unexpended transferred to Sinking Fund,		\$3,122 10

***Water Works: Maintenance Account.***

## RECEIVED.

For Assessment of water, 1877,	\$5,620 62	
“ “ 1878,	68,052 55	
Total as per item No. 44 of Receipts,		\$73,673 17
Less amount transferred to Commissioners of Sinking Fund, Water,	\$9,500 00	
Less amount transferred to Commissioners of Sinking Fund, Lynde Brook Damage, 1878,	4,800 00	
Less amount transferred to interest on Water Loan,	24,639 00	
		38,939 00
		\$34,634 17

## EXPENDED.

For Labor of men, as per pay rolls,	\$7,336 14
Extra labor,	8 84
J. Stewart Brown, salary as Registrar,	1,200 00
Clerical labor, canvassing,	267 75
Clerical labor, writing,	136 37
Care of Reservoir and measuring water,	200 00
Abatement on water rates,	480 53
Blacksmithing,	187 26
Hardware and tools,	107 20
Lumber and carpenter work,	149 22
Rubber goods,	22 25

For Oil, lanterns, etc.,	\$42 91	
Gas,	9 27	
Printing,	151 77	
Fuel,	45 00	
Trucking and freight,	458 72	
Plumbing,	30 83	
Union Water Meter Co., meters, and repairing same,	1,058 00	
Blank books, stationery, stamps, etc.,	116 23	
Wagons,	275 00	
Horse hire,	5 00	
Hay and grain,	291 38	
Sewer pipe, sand and cement,	574 65	
Repairing building,	1 96	
Taxes in Leicester,	72 93	
Engineering,	84 21	
Harnesses, blankets, and repairing same,	51 65	
Medicine for horse,	10 76	
Engineering, Tatnuck brook,	260 00	
Wire cloth,	7 70	
Window shades,	9 00	
Cordage,	11 37	
Gravel,	72 05	
Paints and oil,	2 45	
Paving,	6 62	
Mason work,	4 75	
Rent of Telephone,	15 50	
Total as per item No. 49 of Expenses,		13,765 26
Balance unexpended transferred to Sinking Fund,		\$20,968 91

### *Balances Unexpended.*

#### *Transferred to Sinking Fund.*

From Abatements and discounts,	\$1,437 15
Board of Health,	115 37
City Hall,	850 11
City Hospital,	1,415 61
Fire Department,	3,096 58
Free Public Library,	4 05

From Highway Department,	\$ 6,693 66	
Incidental Expenses,	1,258 77	
Interest,	12,390 00	
Interest on Sewer Loan,	142 00	
Lighting streets,	62	
Pauper Department, (City Relief)	1,676 52	
“ “ (Farm)	28 53	
“ “ (House Offal)	855 21	
“ “ (Truant School)	498 02	
Police Department,	1,786 48	
Salaries,	1,218 10	
School houses,	15 16	
Sewers, maintenance,	191 09	
Street Construction,	3,111 74	
Water Works, Construction,	3,122 10	
“ “ Maintenance,	20,968 91	
		60,875 78
Sewer Assessment, old account,	2,228 50	
“ “ new “	6,801 89	
Street Betterments,	3,383 78	
		\$12,414 17
		\$73,289 95
Obligation of Boston & Albany Railroad Co., dated July 4, 1873,		39,452 00
		\$112,741 95

*City Debt, Nov. 30, 1878.*

## FUNDED CITY LOAN.

Due June 1, 1879, (interest 5 per ct.,)	\$4,000 00	
“ 1880, “ “	8,000 00	
“ 1881, “ “	4,000 00	
“ 1882, “ “	6,000 00	
“ 1883, “ “	10,000 00	
“ 1884, “ “	5,000 00	
January 1, 1887, “ “	100,000 00	
“ 1888, “ “	60,000 00	
April “ 1905, “ “	100,000 00	
		\$297,000 00
Due Jan. 1, 1881, (int'st) 6 per ct.,)	\$500,000 00	
June 1, 1881, “ “	12,000 00	
April 1, 1892, “ “	800,000 00	
		\$1,312,000 00

Due April 1, 1879, (int'st 7 per ct.,)	\$170,000 00
Total,	<u>\$1,779,000 00</u>

## FUNDED SEWER LOAN.

Due June 15, 1879, (int'st 6 per ct.,)	\$16,300 00
“ 1, 1880, “ “	40,000 00
“ 15, 1880, “ “	3,000 00
July 1, 1880, “ “	100,000 00
June 15, 1881, “ “	1,000 00
July 1, 1881, “ “	67,900 00
Total,	<u>\$228,200 00</u>

## FUNDED WATER LOAN.

Due June 1, 1879, (int'st 5 per ct.,)	\$500 00
Dec. 1, 1906, “ “	100,000 00
	<u>\$100,500 00</u>
Due June 1, 1879, (int'st 6 per ct.,)	\$14,000 00
“ 1, 1880, “ “	11,100 00
“ 1, 1881, “ “	1,000 00
July 1, 1881, “ “	2,000 00
June 1, 1882, “ “	12,000 00
“ 1, 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
“ 1, 1888, “ “	3,000 00
Dec. 1, 1890, “ “	50,000 00
June 1, 1891, “ “	2,300 00
	<u>299,400 00</u>
Total,	<u>\$399,900 00</u>

## TEMPORARY LOAN.

Due April 17, 1879, on account of Ap- propriation for <i>Island Sewer</i> ,	\$50,000 00
Due on account of Appropriation for <i>Foster Street</i> , April 23, 1879,	\$25,000 00

For <i>Foster Street</i> , April 28,		
1879,	\$25,000 00	
	<hr/>	\$50,000 00
Total,		\$100,000 00

## RECAPITULATION.

Funded City Loan,	\$1,779,000 00	
“ Sewer Loan,	228,200 00	
“ Water Loan,	399,900 00	
	<hr/>	2,407,100 00
Temporary Loan,		100,000 00
		<hr/>
Total,		\$2,507,100 00

*Liabilities.*

Loan, Funded City,	\$1,779,000 00	
“ “ Sewer,	228,200 00	
“ “ Water,	399,900 00	
	<hr/>	
	\$2,407,100 00	
Loan, Temporary,	100,000 00	
	<hr/>	\$2,507,100 00
One-half County Tax, 1878,	\$25,927 62	
State Tax, 1878,	28,510 00	
National Bank Tax, State Account, 1878,	21,678 80	
Collector's Sales, Surplus Account,	256 09	
	<hr/>	\$76,372 51
		<hr/>
		\$2,583,472 51

*Cash Assets.*

Boston, Barre & Gardner Railroad Stock, par value,	\$262,200 00
Due from Commonwealth for State Aid,	29,874 62
“ “ aid to Indigent Soldiers,	359 00
“ “ Corporation Tax,	29,940 83
“ “ for National Bank Tax and State Acc't,	6,173 17
Taxes of 1874, uncollected,	\$6,122 68
“ 1875, “	6,191 70
“ 1876, “	5,734 58
“ 1877, “	4,686 84
“ 1878, “	31,166 82
	<hr/>
	\$53,902 62

Assessments for Street Betterments, . . . .	\$4,426 38	
“ Sidewalks, . . . .	976 94	
“ Sewers and Drains, Old Acc’t. . . .	5,042 72	
“ “ “ New “ . . . .	7,792 23	
“ School Books, . . . .	681 68	
Real Estate, Lien Account, . . . .	844 74	
Due on Highway Department Account, . . . .	794 85	
“ Water Works Construction Account, . . . .	1,378 84	
“ “ Maintenance “ . . . .	6,255 09	
Cash in hands of Commissioners of Sinking Fund, . . . .	47,828 86	
Cash in Treasury, . . . .	115,649 73	
		<hr/>
		\$574,122 30
Liabilities over Cash Assets, . . . .		\$2,009,350 21

*Ledger Balances.*

Boston, Barre & Gardner Railroad Co., . . . .	\$262,200 00	
Collector's Sales, Surplus Account, . . . .		\$256 09
Loan, Funded City, . . . .		1,779,000 00
“ “ Sewer, . . . .		228,200 00
“ “ Water, . . . .		399,900 00
“ “ Temporary, . . . .		100,000 00
Real Estate, Lien Account, . . . .	844 74	
Sewer Assessments, Old Account, . . . .		6,801 89
“ “ New “ . . . .		2,228 50
Sinking Fund, General Debt, . . . .	18,383 56	
“ “ Water Loan, 1876, . . . .	5,958 94	
“ “ 1877, Lynde Brook Damages, . . . .	17,245 24	
“ “ 1878, “ “ “ . . . .	6,241 12	
State Aid, . . . .	29,874 62	
Street Betterments, . . . .		3,383 78
Taxes, Corporation, . . . .	29,940 83	
“ County, . . . .		25,927 62
“ National Bank, State Account, . . . .		15,505 63
“ State, . . . .		28,510 00
“ 1874, . . . .	6,122 68	
“ 1875, . . . .	6,191 70	
“ 1876, . . . .	5,734 58	
“ 1877, . . . .	4,686 84	
“ 1878, . . . .	31,166 82	
City Treasury . . . .	115,649 73	
City of Worcester, . . . .	2,049,472 11	
		<hr/>
	\$2,589,713 51	\$2,589,713 51



# Schedule of City Property.

DECEMBER 1, 1878.

*In charge of the following Persons and Departments.*

## CITY ENGINEER:

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

Personal Property, . . . . .	\$600 00
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## COMMITTEE ON LIGHTING STREETS:

681 Gas Lanterns, 654 Gasoline Lamps, with Building and Fixtures, . . . . .	22,400 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	
	<hr/>	
	\$47,804 00	
Personal Property, . . . . .	22,000 00	
	<hr/>	\$69,804 00

## FIRE DEPARTMENT:

### *Beacon Street.*

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

### *Bigelow Court.*

5,310 feet of land at \$1.50, . . . . .	\$7,965 00	
Engine House, . . . . .	9,500 00	
	<hr/>	\$17,465 00
House on Bloomingdale Road, . . . . .		300 00

### *Carlton Street.*

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

### *Exchange Street.*

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

*Lamartine Street.*

8,400 feet of land at 12 1-2,	\$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	
		\$175,218 64

Total Fire Department Personal Property,	\$147,350 00	
Total Fire Department Real Estate,	27,868 64	

Total,		\$175,218 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 25 cts.,	\$12,582 75
Stable, sheds, etc.,	10,000 00
Land (1 acre),	150 00
Land (2 1-2 acres), Quinsigamond Village,	300 00

Gravel Pit near Paxton, . . . . .	15 00	
Personal Property, . . . . .	9,350 00	
	<hr/>	\$32,397 75

## PAUPER DEPARTMENT:

Real Estate, . . . . .	\$59,000 00	
Stock and Tools at the Farm. . . . .	8,165 12	
Household Goods, . . . . .	4,665 62	
Buildings, Stock, etc., in Scavenger Department, . . . . .	4,502 75	
	<hr/>	\$76,333 49

## POLICE DEPARTMENT:

Personal Property under care of City Marshal, . . . . .		\$1,300 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	
“ “ Island Sewer, . . . . .	6,666 66	
	<hr/>	\$7,206 41

## WATER DEPARTMENT:

Real Estate in Leicester, at Bell Pond and on Thomas Street, together with the Reservoirs, Pipes, Hydrants, Fixtures and Tools, costing . . . . .		\$1,237,965 94
---	--	----------------

## 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, 12 1-2 cts.,	4,837 00	
6,533 feet of Land, Union Street, 50 cts.,	3,266 50	
23,250 feet of Land, Summer Street, at 75 cts.,	17,437 50	
50,745 feet of Land, Mechanic and Foster Streets, at \$1.00,	50,745 00	
	<hr/>	\$112,535 60

City Hall Building, . . . . .	\$20,000 00	
Furniture, etc., in City Hall, . . . . .	4,700 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/>	\$26,000 00

Total, . . . . .		\$2,683,949 83
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# REPORT

OF THE

## COMMISSIONERS OF THE SINKING FUNDS.

---

WORCESTER, MASS., Jan. 6, 1879.

*To the Honorable City Council:*

The undersigned respectfully present the following report of their transactions for the financial year ending Nov. 30, 1878:

Balance, Dec. 1, 1877,	\$82,591 59	
Receipts for the year,	104,639 70	
Total,		\$187,231 29
Payments for the year,		139,402 43
Balance,		\$47,828 86

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.

Respectfully submitted,

D. WALDO LINCOLN,  
SAMUEL WOODWARD,  
EDWARD L. DAVIS,

*Commissioners of the Sinking Funds.*

*To the Commissioners of the Sinking Funds:*

GENTLEMEN: The following is a statement of receipts and payments on account of the several Sinking Funds, and of all investments and cash balances outstanding November 30, 1878:

## RECEIPTS AND PAYMENTS..

	TITLE OF FUND.	Amount Dec. 1, 1877.	Net Receipts during year.	Total.	Net Payments during year.	Amount Nov. 30, 1878.
No. 1.	General Debt Sinking Fund.....	\$68,643 02	\$87,774 46	\$156,417 48	\$138,033 92	\$18,383 56
2.	Water Loan, Sinking Fund, 1876.	4,183 70	1,906 23	6,089 93	130 99	5,958 94
3.	Lynde Brook Damages, do. 1877.	9,764 87	8,464 12	18,228 99	983 75	17,245 24
4.	" " " do. 1878. ....		6,494 89	6,494 89	253 77	6,241 12
	Totals,	\$82,591 59	\$104,639 70	\$187,231 29	\$139,402 43	\$47,828 86

## INVESTMENTS AND CASH BALANCES.

	To meet Funded Debt, viz:	City fives of 1877.	City fives of 1888.	City sixes of 1892.	City fives of 1905.	City fives of 1906.	Cash on deposit.	Total.
No. 1.	\$2,147,100 00 } Due 1879 to 1905 }	.....	.....	\$4,500 00	\$8,500 00	.....	\$5,383 56	\$18,383 56
2.	\$100,000 00 } Due Dec. 1, 1906 }	.....	.....	.....	\$1,500 00	\$4,000 00	458 94	5,958 94
3.	\$100,000 00 } Due Jan. 1, 1887 }	\$9,000 00	.....	\$7,500 00	.....	.....	745 24	17,245 24
4.	\$60,000 00 } Due Jan. 1, 1888 }	.....	\$6,000 00	.....	.....	.....	241 12	6,241 12
		\$9,000 00	\$6,000 00	\$12,000 00	\$10,000 00	\$4,000 00	\$6,828 86	\$47,828 86

CASH ACCOUNT FROM DEC. 1, 1877 TO NOV. 30, 1878, INCLUSIVE.

## RECEIPTS:

No. 1.	Balance brought forward Dec. 1, 1877,	\$28,643 02
	Unexpended balances of 1877,	59,336 56
	Sundry sewer assessments, 1877,	16,051 47
	Sundry Betterment assessments, 1877,	5,694 65
	Note, City of Lynn, due April 1, 1878,	40,000 00
	Sundry temporary investments, retired in 1878,	55,000 00
	Premium on City Bonds, April 22, 1878,	3,436 67
	Interest on investments to Nov. 30, 1878,	2,266 63

Interest on bank deposits to Nov. 30, 1878,	914 43	
Premium on Sundry Investments, in 1878.	74 05	
	<hr/>	\$211,417 48
No 2. Balance brought forward Dec. 1, 1877,	\$183 70	
Annual appropriation, Nov. 7, 1878,	1,500 00	
Interest on investments to Nov. 30, 1878,	393 75	
Interest on deposits to Nov. 30, 1878,	12 48	
	<hr/>	\$2,089 93
No 3. Balance brought forward Dec. 1, 1877,	\$764 87	
Annual appropriation Jan. 8, 1878,	8,000 00	
Interest on investments to Nov. 30, 1878,	450 00	
Interest on deposits to Nov. 30, 1878,	14 12	
	<hr/>	\$9,228 99
No 4. Appropriation by City Council, April 1, 1878,	\$4,800 00	
Premium on City Bonds, April 22, 1878,	1,542 00	
Interest on investments to Nov. 30, 1878,	150 00	
Interest on deposits to Nov. 30, 1878,	2 89	
	<hr/>	\$6,494 89
Total,		<hr/> \$229,231 29

## PAYMENTS:

No. 1. City Debt paid and cancelled in 1878,	\$137,100 00	
Sundry temporary investments made in 1878,	68,000 00	
Interest accrued on investments made in 1878,	72 75	
Premium on investments made in 1878,	861 17	
	<hr/>	\$206,033 92
No. 2. Investments made in 1878,	\$1,500 00	
Interest accrued on investments made in 1878,	56 94	
Premium on investments made in 1878,	74 05	
	<hr/>	\$1,630 99
No. 3. Investments made in 1878,	\$7,500 00	
Interest accrued on investments made in 1878,	121 25	
Premium on investments made in 1878,	862 50	
	<hr/>	\$8,483 75
No. 4. Investments made during year 1878,	\$6,000 00	
Interest accrued on investments made in 1878,	92 77	
Premium on investments made in 1878,	161 00	
	<hr/>	\$6,253 77
Total,		<hr/> \$222,402 43
Cash balance Nov. 30, 1878,		6,828 86
		<hr/> \$229,231 29

Correct, per book account.

WM. S. BARTON,

*Treasurer.*



## CITY DEBT OUTSTANDING, PAID OR REDEEMED IN 1878.

TITLE OF LOAN.	Amount	Paid in	Balance.	New	Outstanding
	Dec. 1, 1877.	1878.		Loans.	Nov 30, 1878.
Funded City Loan.....	\$1,795,000 00	\$176,000 00	\$1,619,000 00	\$160,300 00	\$1,779,000 00
Funded Sewer Loan.....	261,800 00	33,600 00	228,200 00	.....	228,200 00
Funded Water Loan.....	427,400 00	27,500 00	399,900 00	.....	399,900 00
Temporary Loans.....	25,000 00	25,000 00	.....	100,000 00	100,000 00
Totals.	\$2,509,200 00	\$262,100 00	\$2,247,100 00	\$260,300 00	\$2,507,100 00

# REPORT

## OF THE

# Committee on Accounts.

---

CITY OF WORCESTER,  
IN COMMITTEE, Dec. 16, 1877.

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 in his custody are properly accounted for.

They further report that the cash receipts from all sources, for the financial year ending November 30, 1878 were	\$1,869,941 64
To which add cash on hand Nov. 30, 1877,	184,789 15
Making a total amount in cash of	\$2,054,730 79
And that the payments amounted to,	1,878,340 42
Leaving a cash balance of	\$176,390 37

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, are as follows, viz:

Certificate of 2,622 shares of stock in the Boston, Barre & Gardner R.	
R. Company, (at par value),	\$262,200 00
Collector's deeds to the city, (14 in all), securing sundry liens on real	
estate sold for taxes, and having a face value of	844 74
Total,	\$263,044 74

They further report that, of the several taxes and assessments committed to the Treasurer for collection, the following are still outstanding and unpaid, viz:

City, County, and State Taxes of 1874,	\$6,122 68
" " " " 1875,	6,191 70
" " " " 1876,	5,734 58
" " " " 1877,	4,686 84
" " " " 1878,	31,166 82
School book taxes, 1874 to 1878, inclusive.	681 68
Sewer assessment, old series,	5,042 72
" " new "	7,792 23
Sidewalk assessment,	976 94
Street betterment assessment,	4,426 38
Total,	\$72,822 57

They also report, in this connection, that of the unpaid taxes for the four years prior to 1878, amounting in all to \$22,735.80, over \$20,000.00 are for delinquent poll taxes, and the balance for the tax on "personal estate or income." Of the assessments for Sewers and Street Betterments, amounting in all, to \$17,-261.33, the sum of \$8,264.54 appears on the records of the Board of Aldermen, as charged to four individuals and firms, all of whom are contesting their assessments in the Superior Court. The balance of these assessments has been apportioned according to law.

The following department bills, most of which were recently rendered to the City Treasurer, through the Auditor's Office, for collection, are still outstanding and unpaid, viz:

Highway Department; labor and materials,	\$794 85
--	----------

Water Works, "Construction account;" labor and materials, meters, etc., . . . . .	1,378 84
Water Works, "Maintenance account;" water rates and metered water, . . . . .	6,255 09
Total, . . . . .	<hr/> \$8,428 78

Respectfully submitted,

WM. DICKINSON,  
H. A. MARSH,  
WM. S. CLARK,  
F. E. LANCASTER,  
THOS. MONAHAN.

*Committee on Accounts.*

# Report of the City Clerk.

---

CITY OF WORCESTER,  
CITY CLERK'S OFFICE, Dec. 31, 1878.

*To the Honorable City Council:*

In accordance with the provisions of Chapter IX, of the City Ordinances, the following report of all moneys received in this office, as "Fees or otherwise," during the year ending November 30, 1878, is herewith presented.

From Licensed Amusements,	\$745 50
" " Auctioneers,	44 00
" " Billiard Tables and Bowling Alleys,	218 35
" " Dogs,	1,540 00
" " Hacks and Job Wagons,	230 00
" " Intelligence Offices,	4 0
" " Junk Dealers,	37 29
" " Pawn Brokers,	80 00
" Sale of Centennial Reports,	8 25
" " Ordinances,	2 00
" Office Fees,	2,429 43
Total,	<u>\$5,338 82</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 \$3,261.00 for dog licenses.

Respectfully submitted

E. H. TOWNE,

*City Clerk.*

# REPORT

OF THE

## JOINT STANDING COMMITTEE ON WATER.

---

*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 30, 1878.

### WATER SUPPLY.

The unusual quantity of rain which fell during the past year served to furnish an ample supply of water, and the largest storage attained was April 26th, when the depth of the water was thirty-eight and three-tenths (38.3) feet. By a decree of the Court, the committee was authorized to place six inches of flash-boards on the rollway, which retained a surplus of water from March 21st, till May 24th, at which date the water was even with the rollway. The supply on hand at the present time is larger than ever before at a corresponding season of the year.

The peculiar taste and odor of the water during the month of May was the source of much just complaint, and the cessation of the trouble was a cause of rejoicing. Investigations were made, and measures instituted to improve the quality of the water. Reports from neighboring cities similarly afflicted, contain lengthy statements as to the probable cause, but as yet no positive knowledge has been obtained.



## THE DAM.

The dam, gate houses, etc., are at present in excellent condition. The rollway has been thoroughly repaired, the shores of the reservoir have been cleared of debris, the land at the upper portion has been burnt over, and everything done which might tend to improve the quality of the water. The man who is stationed at the reservoir is deemed reliable, and the property of the city seems well cared for.

## BELL POND.

This reservoir is at present filled, and the quality of the water is superior to that of former years, which is owing, in a great measure, to the removal of the floating mass of vegetable matter, which was done last year. Much more work in the way of improvements could be performed, and we refer to the recommendations of the Commissioner, which are worthy of attention.

## THE DEPARTMENT.

In accordance with an Ordinance, the Committee made the annual inspection of reservoirs, shops, stock, etc., and report everything in a satisfactory condition. The office in the hall has been connected by telephone with the works on Thomas street, which greatly facilitates the transaction of business. The duties of Commissioner and Registrar have been faithfully performed and the associations existing between them and the committee have been of a pleasant nature.

Respectfully submitted,

CHAS. B. PRATT,  
M. A. LAPHAM,  
WM. DICKINSON,  
GEO. E. BOYDEN,  
J. A. TITUS,  
FRANCIS PLUNKETT,  
WILLIAM H. HEYWOOD.

*Joint Standing Committee on Water.*

WORCESTER, December 20th, 1878.

# REPORT

## OF THE

# WATER COMMISSIONER.

---

*To the Joint Standing Committee on Water:*

The Commissioner presents his annual report for the year ending November 30, 1878.

The rollway at Lynde Brook reservoir has been repaired by relaying with cement mortar the retaining wall on the westerly side.

All the loose stones in the paving of the bottom were taken out and cement and small stones filled in to an average depth of two feet.

The work commenced last year, of removing stumps from the reservoir, has been continued as far as the water was drawn.

The wood on the Holbrook land has been cut from both banks of the brook, and the land thoroughly cleared. The course of the brook is very crooked, and a large space had to be cleared, as when heavy storms occur the water flows over the valley, carrying a large amount of rubbish into the reservoir. If a straight trench of sufficient capacity to carry the storm water was dug from the road, as far as the land is cleared, this might be prevented at less expense than clearing the land every year.

The quality of the water has been good, except in May, when a fishy taste and odor appeared. Such examination as

was made, showed this trouble was less upon the surface than a few feet below, though the odor could be noticed at some distance from the reservoir. The bottom of the upper gate was 8.3 feet below water, which was at the rollway.

A frame arranged for stop plank was put over the upper gate to draw from the surface, but owing to the temporary nature of the work, and the difficulty of working below the water, only a part of the water used was taken from the surface. To the relief of all, this trouble disappeared in about three weeks, apparently as quickly as it came.

A cast iron frame, with grooves for plank and screen, has been put over the upper gate, and water is now taken from the surface.

The Hunt reservoir was cleared out, and a stand pipe put on the end of the inlet pipe, so as to discharge above the water instead of at the bottom, as formerly. Stone monuments were set at corners of land below this reservoir, as directed by the Committee.

#### BELL POND.

The water here is better than formerly, though the slaughter house on the east, the two houses on the west, with their drainage towards the pond, and in summer the cattle on the southerly side suggest very forcibly that an improvement of the surroundings is needed. Some repairs will have to be made upon the dam next spring, as in places it is badly washed.

The reservoir on Chandler Hill, formerly supplied from Bell Pond, has not been used since the high service pipe was laid. Its capacity is only about one million gallons, and it is lower than high water in the Hunt reservoir, and the waste at night was so large that water was shut off. The fence has received some repairs annually, but the boys who frequent this locality, are fast destroying the fence and paving.

The advisability of removing the fixtures and discontinuing this reservoir is presented for consideration.

#### DISTRIBUTION.

Pipe was laid during the year as follows:

8 inch,	Edgeworth street, from Milton to Byron streets,	.	.	1,313 feet.
6 "	Mulberry street, from Prospect street south	.	.	206 "
6 "	Winter street, from Mill Brook to Water Street,	.	.	435 "
6 "	Grand Street Place, from Grand street,	.	.	25 "
4 "	Carroll street, to connect with Laurel street,	.	.	98 "
2 "	Grand Street Place,	.	.	211 "
Number of feet of new pipe laid,				2,288

### PIPE RE-LAID.

In Elm street, 648 ft. 4 in. 1,328 ft. 6 in. and 1,221 ft. 8 in. was re-placed with 3,197 ft. of 12 inch.

A change in the grade of Jackson street made it necessary to re-lay a part of the pipe in this and Beacon street. 909 feet of 8 in. was laid in Jackson street in place of 6 inch. 224 feet of 4 in. re-laid in Beacon street.

Number of feet of pipe re-laid,	.	.	.	.	.	.	.	4334
Number of gates set,	.	.	.	.	.	.	.	11
Number of gates taken out,	.	.	.	.	.	.	.	6
								<hr/>
Number of new gates set,	.	.	.	.	.	.	.	5

### Location of hydrants set:—

Barclay street, corner of Waverly street.  
 Edgeworth street, corner of Dryden street.  
 " " between Dryden and Sigourney Street.  
 " " corner of Byron Street.  
 Elm Street, corner of Main Street.  
 Grand Street, corner of Grand Street Place.  
 Houghton Street.  
 Main Street, corner of Jackson Street.  
 Winter Street, east of Mill Brook.  
 Number of hydrants set, 9.

Number of Service Pipes laid,	.	.	.	.	.	.	.	151
" feet laid for city,	.	.	.	.	.	.	.	3,207
" " individuals,	.	.	.	.	.	.	.	3,355
								<hr/>
" laid this year,	.	.	.	.	.	.	.	6,562
" Meters set, 540.								

Bills for labor and materials have been rendered to the Treasurer for collection, to the amount of \$14,379.77; amount uncollected November 30th, 1878, \$1,378.84.

Number of leaks repaired, 60. On main pipe, 47, viz: Rust, 20; Joint, 26; Split pipe, 1. On service pipe, 12, viz: Lead connection, 6; Union, 1; Coupling, 1; Tee 1; Valve, 2; Stop, 1. On hydrant, 1 broken bolt.

Nine hydrant boxes, 19 gate boxes, and 48 stop boxes have been set to replace old ones. 123 stoppages in service pipe removed.

The appraised value of personal property on hand November 30th, as per inventory, \$30,622.37.

Respectfully submitted,

F. E. HALL,

*Water Commissioner.*

WORCESTER, Dec. 20, 1878.

## MAIN AND DISTRIBUTION PIPE LAID TO NOVEMBER 30, 1878.

	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.	Hydrants.
Prior to 1864.....													7.642	35	..
1864.....			19,697	2,822	12,674	5,159		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							5.626	64	29
1871.....	340	345	19,110		10,052	5,690	627						6.849	80	39
1872.....	421	226	4,420.25		7,307		2,632	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		2,237.25	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
Total.....	13,455.4	8,276.25	136,459.76	2,822	86,907.53	62,191.47	7,118.16	32,508	53,216	1,980	15,186	700	79.714	724	601
Pipe taken up.....	349		7,893	1,335	4,786	1,221	1,800		330				3.354	29	
Total in feet.....	13,106.4	8,276.25	128,566.76	1,487	82,121.53	60,970.47	5,318.16	32,508	52,886	1,980	15,186	700	76.360	695	601
Total in miles.....	2.482	1.367	24.35	.282	15.553	11.548	1.007	6.137	10.014	.375	2.876	.133			...



## SERVICE PIPE LAID TO NOVEMBER 30, 1878.

	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	6,009.5	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
	113,238.77	21.444	104,328.45	19.76	4,790

# City Engineer's Report

TO

## WATER COMMITTEE.

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*To the Joint Standing Committee on Water :—*

GENTLEMEN :—In accordance with the requirements of Section 11, Chapter 68 of the City Ordinances, I would respectfully submit the following report.

There has been an abundance of water for all purposes during the past year. At no time, during the year, have we had less than 100 days supply in the Lynde Brook Reservoir.

On December 1st, 1877, the water was 11.67 feet below the roll-way, giving 298,926,131 gallons in the reservoir, an amount equal to 100 days supply. From that date until April 14th of the present year, the supply steadily increased, the water being on that date 0.77 feet above the rollway, and running over the six inch flash board 0.27 feet.

Water first commenced to run over the rollway on March 19th. On March 21st you voted to have a 6-inch flash board put on the rollway, in order to store as much water as possible.

On March 23d, I received the following note from Mayor Pratt.

CHARLES A. ALLEN, ESQ.,  
CITY ENGINEER :

Is it safe for the City to put a 6-inch flash board upon the dam at Lynde brook?

Respectfully,

CHAS. B. PRATT, *Mayor.*

On the same day I sent the following reply to his Honor.

HON. CHARLES B. PRATT, *Mayor*:

*Dear Sir*:—Your note of to-day, asking me whether I consider it safe to put on a 6-inch flash board at the dam, is at hand. In reply I would say that I consider it perfectly safe, if the water is not allowed to flow over the board more than 8 or 10 inches. There would be no objection to allowing a greater flow over the board, if it were not for the danger of washing the top of the dam in case of high winds.

Very Respectfully yours,

C. A. ALLEN,

*City Engineer.*

After you had ordered on the flash board, the mill owners below, objected to having them put on.

An arrangement was made however, by which a flash board 6 inches high was kept on the rollway as long as the water was of sufficient height to render it worth while for storage purposes.

The water remained above the level of the rollway until May 24th, from which time it steadily fell until November 17th, when the water was  $9\frac{48}{100}$  feet below the level of the rollway, giving a supply of 352,971,711 gallons, or sufficient to last 118 days. The rainfall through the year has been remarkably even and has undoubtedly been more beneficial to us than the same amount of rainfall coming as it ordinarily does, in the Spring and Fall months of the year. Some of our heaviest rain storms occurring in June, July and August, when they were most needed.

It is evident from the way in which the supply of water in the reservoir is affected by a few weeks without rain, that should we have a season of dry weather the supply would not be sufficient for our wants. I would therefore recommend

that some action be taken the coming Winter, by which we can obtain the right to take land and construct works for an additional supply whenever it may become necessary so to do.

The Lynde Brook Reservoir dam has been visited by me regularly during the past year, and everything has been found in a most satisfactory condition.

The rollway has been repaired by building a cement wall on the west side, in place of the old slope wall, and thoroughly grouting the paving with cement mortar.

The condition of the supply in the Lynde Brook Reservoir for each day in the year, ending Dec. 1st, 1878, is given in the accompanying table.

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

C. A. ALLEN,

*City Engineer.*

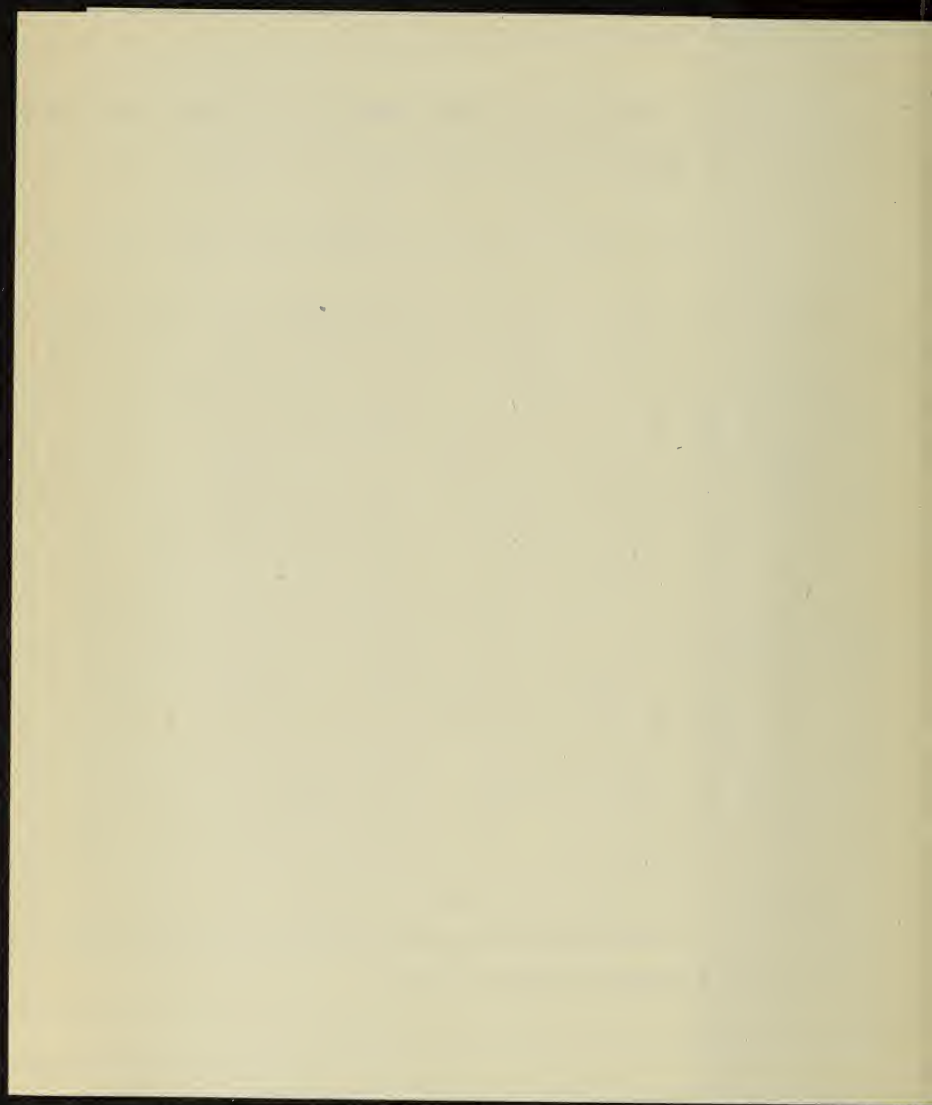
WORCESTER, Dec. 1st, 1878.

TABLE—Showing the Daily Condition of Lynde Brook Reservoir Supply for the year ending December 1, 1878, and the Rainfall during that period.

Date.	1877. DECEMBER.		1878. 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	11' 8"		9' 7 <sup>3</sup> / <sub>4</sub> "		6' 11 <sup>1</sup> / <sub>4</sub> "		4' 2 <sup>1</sup> / <sub>4</sub> "	+ 0' 8"	+ 0' 8"	2 <sup>3</sup> / <sub>4</sub> "	+ 0' 2 <sup>3</sup> / <sub>4</sub> "	0' 3 <sup>3</sup> / <sub>4</sub> "	1' 2 <sup>1</sup> / <sub>4</sub> "	3' 6"	4' 4 <sup>3</sup> / <sub>4</sub> "	.04	6' 9 <sup>1</sup> / <sub>4</sub> "	8' 4 <sup>1</sup> / <sub>4</sub> "	8' 4 <sup>1</sup> / <sub>4</sub> "		8' 4 <sup>1</sup> / <sub>4</sub> "		Rainfall for the year ending December 1, 1878, 43 24-100 inches.		
2	11' 7 <sup>3</sup> / <sub>4</sub> "		9' 7 <sup>3</sup> / <sub>4</sub> "	.02	6' 11 <sup>1</sup> / <sub>4</sub> "		4' 1 <sup>1</sup> / <sub>4</sub> "	.88 + 0' 7 <sup>1</sup> / <sub>4</sub> "	+ 0' 4 <sup>3</sup> / <sub>4</sub> "	.01	0' 4 <sup>3</sup> / <sub>4</sub> "	1' 3"	3' 6"	.07	4' 5 <sup>3</sup> / <sub>4</sub> "	.14	6' 10 <sup>3</sup> / <sub>4</sub> "	8' 4 <sup>3</sup> / <sub>4</sub> "	8' 4 <sup>3</sup> / <sub>4</sub> "		8' 4 <sup>3</sup> / <sub>4</sub> "				
3	11' 7 <sup>3</sup> / <sub>4</sub> "		9' 7 <sup>3</sup> / <sub>4</sub> "		6' 11 <sup>1</sup> / <sub>4</sub> "		3' 8"	.02 + 0' 6 <sup>3</sup> / <sub>4</sub> "	+ 0' 6 <sup>3</sup> / <sub>4</sub> "		0' 4 <sup>3</sup> / <sub>4</sub> "	1' 4 <sup>3</sup> / <sub>4</sub> "	3' 6 <sup>1</sup> / <sub>4</sub> "		4' 6 <sup>3</sup> / <sub>4</sub> "		7' 0"	8' 5 <sup>3</sup> / <sub>4</sub> "	8' 5 <sup>3</sup> / <sub>4</sub> "		8' 5 <sup>3</sup> / <sub>4</sub> "				
4	11' 7"		9' 9 <sup>1</sup> / <sub>4</sub> "	.75	6' 11 <sup>1</sup> / <sub>4</sub> "		2' 8"	+ 0' 6 <sup>3</sup> / <sub>4</sub> "	+ 0' 6 <sup>3</sup> / <sub>4</sub> "		0' 5 <sup>1</sup> / <sub>4</sub> "	1' 5 <sup>1</sup> / <sub>4</sub> "	3' 8"		4' 7 <sup>1</sup> / <sub>4</sub> "	.08	7' 1 <sup>1</sup> / <sub>4</sub> "	8' 6"	8' 6"		8' 6"				
5	11' 5 <sup>1</sup> / <sub>4</sub> "	1.12	9' 10 <sup>1</sup> / <sub>4</sub> "		7' 0 <sup>1</sup> / <sub>4</sub> "		2' 5"	+ 0' 7 <sup>1</sup> / <sub>4</sub> "	+ 0' 7 <sup>1</sup> / <sub>4</sub> "	.23	0' 6 <sup>1</sup> / <sub>2</sub> "	1' 6 <sup>1</sup> / <sub>2</sub> "	3' 7 <sup>3</sup> / <sub>4</sub> "	.27	4' 7 <sup>3</sup> / <sub>4</sub> "	.14	7' 3"	8' 7 <sup>1</sup> / <sub>4</sub> "	8' 7 <sup>1</sup> / <sub>4</sub> "		8' 7 <sup>1</sup> / <sub>4</sub> "				
6	10' 5 <sup>1</sup> / <sub>4</sub> "		9' 11 <sup>1</sup> / <sub>4</sub> "		7' 0 <sup>1</sup> / <sub>4</sub> "		2' 3 <sup>1</sup> / <sub>4</sub> "	+ 0' 7 <sup>1</sup> / <sub>4</sub> "	+ 0' 6 <sup>1</sup> / <sub>2</sub> "	.27	0' 6 <sup>1</sup> / <sub>2</sub> "	1' 8 <sup>1</sup> / <sub>4</sub> "	3' 9 <sup>1</sup> / <sub>4</sub> "		4' 9 <sup>1</sup> / <sub>4</sub> "		7' 3 <sup>1</sup> / <sub>4</sub> "	8' 8 <sup>1</sup> / <sub>4</sub> "	8' 8 <sup>1</sup> / <sub>4</sub> "		8' 8 <sup>1</sup> / <sub>4</sub> "				
7	9' 10 <sup>3</sup> / <sub>4</sub> "		10' 0 <sup>3</sup> / <sub>4</sub> "		7' 1 <sup>3</sup> / <sub>4</sub> "		2' 1 <sup>3</sup> / <sub>4</sub> "	.03 + 0' 8 <sup>1</sup> / <sub>4</sub> "	+ 0' 6"		0' 9 <sup>3</sup> / <sub>4</sub> "	1' 8 <sup>1</sup> / <sub>4</sub> "	3' 6 <sup>1</sup> / <sub>4</sub> "	.78	4' 9 <sup>1</sup> / <sub>4</sub> "	.04	7' 4 <sup>3</sup> / <sub>4</sub> "	8' 9 <sup>3</sup> / <sub>4</sub> "	8' 9 <sup>3</sup> / <sub>4</sub> "		8' 9 <sup>3</sup> / <sub>4</sub> "				
8	9' 8 <sup>1</sup> / <sub>4</sub> "		10' 2"		7' 1 <sup>3</sup> / <sub>4</sub> "	.49	1' 10 <sup>3</sup> / <sub>4</sub> "	+ 0' 7 <sup>3</sup> / <sub>4</sub> "	+ 0' 6 <sup>1</sup> / <sub>2</sub> "		0' 9 <sup>3</sup> / <sub>4</sub> "	1' 10 <sup>3</sup> / <sub>4</sub> "	3' 5 <sup>1</sup> / <sub>4</sub> "	1.13	4' 11"		7' 5 <sup>1</sup> / <sub>4</sub> "	8' 10 <sup>1</sup> / <sub>4</sub> "	8' 10 <sup>1</sup> / <sub>4</sub> "	.01	8' 10 <sup>1</sup> / <sub>4</sub> "				
9	9' 6 <sup>1</sup> / <sub>4</sub> "		10' 3 <sup>1</sup> / <sub>4</sub> "		6' 11 <sup>3</sup> / <sub>4</sub> "		1' 9"	+ 0' 7 <sup>3</sup> / <sub>4</sub> "	+ 0' 6 <sup>1</sup> / <sub>2</sub> "		0' 8 <sup>3</sup> / <sub>4</sub> "	1' 11"	.42	3' 4 <sup>1</sup> / <sub>4</sub> "		4' 11 <sup>3</sup> / <sub>4</sub> "	7' 7 <sup>3</sup> / <sub>4</sub> "	8' 11 <sup>3</sup> / <sub>4</sub> "		8' 11 <sup>3</sup> / <sub>4</sub> "					
10	9' 4 <sup>3</sup> / <sub>4</sub> "	.09	10' 4 <sup>1</sup> / <sub>4</sub> "	1.27	6' 6 <sup>1</sup> / <sub>4</sub> "	.36	1' 6 <sup>3</sup> / <sub>4</sub> "	+ 0' 7 <sup>1</sup> / <sub>4</sub> "	+ 0' 6 <sup>1</sup> / <sub>2</sub> "	.11	0' 8 <sup>3</sup> / <sub>4</sub> "	1' 10 <sup>3</sup> / <sub>4</sub> "	.11	3' 3 <sup>3</sup> / <sub>4</sub> "		5' 0 <sup>1</sup> / <sub>4</sub> "	7' 8"	9' 0 <sup>1</sup> / <sub>4</sub> "		9' 0 <sup>1</sup> / <sub>4</sub> "					
11	9' 4 <sup>3</sup> / <sub>4</sub> "		10' 0 <sup>1</sup> / <sub>4</sub> "	.13	6' 4 <sup>3</sup> / <sub>4</sub> "	.03	1' 4 <sup>3</sup> / <sub>4</sub> "	+ 0' 7 <sup>3</sup> / <sub>4</sub> "	+ 0' 6 <sup>1</sup> / <sub>2</sub> "	.01	0' 7 <sup>3</sup> / <sub>4</sub> "	2' 0 <sup>1</sup> / <sub>4</sub> "	.03	3' 3 <sup>1</sup> / <sub>4</sub> "	.18	5' 1 <sup>3</sup> / <sub>4</sub> "	7' 9 <sup>1</sup> / <sub>4</sub> "	9' 1 <sup>3</sup> / <sub>4</sub> "		9' 1 <sup>3</sup> / <sub>4</sub> "					
12	9' 4"		9' 9 <sup>3</sup> / <sub>4</sub> "		6' 3 <sup>3</sup> / <sub>4</sub> "		1' 3 <sup>3</sup> / <sub>4</sub> "	1.25 + 0' 8 <sup>3</sup> / <sub>4</sub> "	+ 0' 5 <sup>3</sup> / <sub>4</sub> "	.02	0' 7 <sup>3</sup> / <sub>4</sub> "	2' 1 <sup>3</sup> / <sub>4</sub> "	.13	3' 4 <sup>3</sup> / <sub>4</sub> "	.06	5' 2 <sup>3</sup> / <sub>4</sub> "	7' 10 <sup>3</sup> / <sub>4</sub> "	9' 1 <sup>3</sup> / <sub>4</sub> "	.14	9' 1 <sup>3</sup> / <sub>4</sub> "					
13	9' 4"	.03	9' 7 <sup>3</sup> / <sub>4</sub> "		6' 3 <sup>3</sup> / <sub>4</sub> "		1' 0 <sup>3</sup> / <sub>4</sub> "	.05 + 0' 10 <sup>1</sup> / <sub>4</sub> "	+ 0' 5 <sup>3</sup> / <sub>4</sub> "		0' 9 <sup>3</sup> / <sub>4</sub> "	2' 1 <sup>3</sup> / <sub>4</sub> "	.14	3' 5 <sup>1</sup> / <sub>4</sub> "		5' 2 <sup>3</sup> / <sub>4</sub> "	7' 8 <sup>3</sup> / <sub>4</sub> "	9' 2 <sup>3</sup> / <sub>4</sub> "		9' 2 <sup>3</sup> / <sub>4</sub> "					
14	9' 3 <sup>3</sup> / <sub>4</sub> "		9' 6 <sup>1</sup> / <sub>4</sub> "	1.15	6' 3 <sup>3</sup> / <sub>4</sub> "		0' 7 <sup>3</sup> / <sub>4</sub> "	+ 0' 9 <sup>1</sup> / <sub>4</sub> "	+ 0' 5 <sup>3</sup> / <sub>4</sub> "		0' 9 <sup>3</sup> / <sub>4</sub> "	2' 2 <sup>3</sup> / <sub>4</sub> "		3' 5 <sup>3</sup> / <sub>4</sub> "		5' 3 <sup>3</sup> / <sub>4</sub> "	7' 9 <sup>3</sup> / <sub>4</sub> "	9' 3 <sup>3</sup> / <sub>4</sub> "		9' 3 <sup>3</sup> / <sub>4</sub> "					
15	9' 3 <sup>3</sup> / <sub>4</sub> "		9' 1 <sup>1</sup> / <sub>4</sub> "	.01	6' 4 <sup>3</sup> / <sub>4</sub> "		0' 4 <sup>3</sup> / <sub>4</sub> "	.02 + 0' 9 <sup>1</sup> / <sub>4</sub> "	+ 0' 4 <sup>3</sup> / <sub>4</sub> "		0' 8 <sup>3</sup> / <sub>4</sub> "	2' 3 <sup>1</sup> / <sub>4</sub> "		3' 7 <sup>1</sup> / <sub>4</sub> "		5' 4"	7' 10 <sup>1</sup> / <sub>4</sub> "	9' 4 <sup>1</sup> / <sub>4</sub> "		9' 4 <sup>1</sup> / <sub>4</sub> "					
16	9' 3 <sup>3</sup> / <sub>4</sub> "		9' 0"		6' 3 <sup>3</sup> / <sub>4</sub> "		0' 3"	+ 0' 8 <sup>3</sup> / <sub>4</sub> "	+ 0' 3"		0' 9 <sup>1</sup> / <sub>4</sub> "	2' 5 <sup>1</sup> / <sub>4</sub> "		3' 7 <sup>3</sup> / <sub>4</sub> "	.71	5' 4 <sup>3</sup> / <sub>4</sub> "	7' 11 <sup>1</sup> / <sub>4</sub> "	9' 5 <sup>1</sup> / <sub>4</sub> "		9' 5 <sup>1</sup> / <sub>4</sub> "					
17	9' 3 <sup>3</sup> / <sub>4</sub> "		9' 0"		6' 3 <sup>3</sup> / <sub>4</sub> "	.22	0' 2 <sup>1</sup> / <sub>4</sub> "	+ 0' 8 <sup>1</sup> / <sub>4</sub> "	+ 0' 3 <sup>3</sup> / <sub>4</sub> "		0' 11 <sup>3</sup> / <sub>4</sub> "	2' 6 <sup>1</sup> / <sub>4</sub> "	.06	3' 6 <sup>1</sup> / <sub>4</sub> "	.06	5' 5 <sup>3</sup> / <sub>4</sub> "	8' 0 <sup>3</sup> / <sub>4</sub> "	9' 5 <sup>3</sup> / <sub>4</sub> "		9' 5 <sup>3</sup> / <sub>4</sub> "					
18	9' 3 <sup>3</sup> / <sub>4</sub> "		9' 0"	.01	6' 4 <sup>3</sup> / <sub>4</sub> "		0' 0"	.99 + 0' 8 <sup>1</sup> / <sub>4</sub> "	+ 0' 3 <sup>3</sup> / <sub>4</sub> "		0' 3 <sup>3</sup> / <sub>4</sub> "	2' 6 <sup>1</sup> / <sub>4</sub> "		3' 6 <sup>1</sup> / <sub>4</sub> "		5' 7 <sup>1</sup> / <sub>4</sub> "	8' 1 <sup>1</sup> / <sub>4</sub> "	9' 4 <sup>3</sup> / <sub>4</sub> "	2.40	9' 4 <sup>3</sup> / <sub>4</sub> "					
19	9' 3 <sup>3</sup> / <sub>4</sub> "	.02	8' 0 <sup>1</sup> / <sub>4</sub> "		6' 4 <sup>3</sup> / <sub>4</sub> "		+ 0' 0 <sup>1</sup> / <sub>4</sub> "	+ 0' 8 <sup>1</sup> / <sub>4</sub> "	+ 0' 2 <sup>3</sup> / <sub>4</sub> "		0' 2 <sup>3</sup> / <sub>4</sub> "	2' 8 <sup>1</sup> / <sub>4</sub> "		3' 6 <sup>3</sup> / <sub>4</sub> "		5' 7 <sup>3</sup> / <sub>4</sub> "	8' 2 <sup>3</sup> / <sub>4</sub> "	9' 9 <sup>3</sup> / <sub>4</sub> "		9' 9 <sup>3</sup> / <sub>4</sub> "					
20	9' 3 <sup>3</sup> / <sub>4</sub> "		8' 11 <sup>3</sup> / <sub>4</sub> "		6' 4 <sup>3</sup> / <sub>4</sub> "	.04	+ 0' 2 <sup>1</sup> / <sub>4</sub> "	+ 0' 7 <sup>1</sup> / <sub>4</sub> "	+ 0' 2 <sup>1</sup> / <sub>4</sub> "	.03	1' 0"	2' 8 <sup>1</sup> / <sub>4</sub> "		3' 8 <sup>1</sup> / <sub>4</sub> "	.05	5' 9"	8' 3 <sup>1</sup> / <sub>4</sub> "	8' 6 <sup>3</sup> / <sub>4</sub> "	.14	8' 6 <sup>3</sup> / <sub>4</sub> "					
21	9' 3 <sup>3</sup> / <sub>4</sub> "		8' 9"	.44	6' 5 <sup>3</sup> / <sub>4</sub> "		+ 0' 3 <sup>1</sup> / <sub>4</sub> "	+ 0' 7 <sup>1</sup> / <sub>4</sub> "	+ 0' 2"	.09	1' 1 <sup>3</sup> / <sub>4</sub> "	2' 9 <sup>3</sup> / <sub>4</sub> "	.58	3' 9"	.14	5' 10 <sup>1</sup> / <sub>4</sub> "	8' 4 <sup>1</sup> / <sub>4</sub> "	8' 5 <sup>1</sup> / <sub>4</sub> "		8' 5 <sup>1</sup> / <sub>4</sub> "					
22	9' 3 <sup>3</sup> / <sub>4</sub> "		8' 3 <sup>1</sup> / <sub>4</sub> "	.03	6' 4 <sup>3</sup> / <sub>4</sub> "	2.17	+ 0' 3 <sup>1</sup> / <sub>4</sub> "	+ 0' 6 <sup>3</sup> / <sub>4</sub> "	+ 0' 1 <sup>3</sup> / <sub>4</sub> "		1' 3"	1.81	2' 10 <sup>1</sup> / <sub>4</sub> "	.02	5' 11 <sup>1</sup> / <sub>4</sub> "		8' 5 <sup>3</sup> / <sub>4</sub> "	8' 4 <sup>1</sup> / <sub>4</sub> "	1.82	8' 4 <sup>1</sup> / <sub>4</sub> "					
23	9' 3 <sup>3</sup> / <sub>4</sub> "		7' 10 <sup>1</sup> / <sub>4</sub> "	.07	5' 7 <sup>1</sup> / <sub>4</sub> "	.04	+ 0' 4"	+ 0' 6 <sup>3</sup> / <sub>4</sub> "	+ 0' 1 <sup>3</sup> / <sub>4</sub> "		0' 10 <sup>1</sup> / <sub>4</sub> "	2' 11 <sup>3</sup> / <sub>4</sub> "	.06	3' 9 <sup>3</sup> / <sub>4</sub> "	.02	6' 0 <sup>1</sup> / <sub>4</sub> "	8' 6 <sup>1</sup> / <sub>4</sub> "	1.85	7' 4 <sup>1</sup> / <sub>4</sub> "	.08	7' 4 <sup>1</sup> / <sub>4</sub> "				
24	9' 3 <sup>3</sup> / <sub>4</sub> "		7' 10"		4' 11 <sup>3</sup> / <sub>4</sub> "		+ 0' 4"	.13 + 0' 7 <sup>1</sup> / <sub>4</sub> "	+ 0' 0 <sup>1</sup> / <sub>4</sub> "	.51	0' 10 <sup>1</sup> / <sub>4</sub> "	3' 0"	.09	3' 11 <sup>3</sup> / <sub>4</sub> "		6' 1 <sup>3</sup> / <sub>4</sub> "	8' 1 <sup>3</sup> / <sub>4</sub> "	7' 1"		7' 1"					
25	9' 4"		7' 9 <sup>3</sup> / <sub>4</sub> "		4' 8"		+ 0' 5 <sup>3</sup> / <sub>4</sub> "	+ 0' 7 <sup>1</sup> / <sub>4</sub> "	+ 0' 1"	1.16	0' 9 <sup>3</sup> / <sub>4</sub> "	3' 2"		4' 0"	.47	6' 3"	8' 0 <sup>3</sup> / <sub>4</sub> "	7' 0"	.03	7' 0"					
26	9' 4"		7' 8 <sup>3</sup> / <sub>4</sub> "	.55	4' 4 <sup>3</sup> / <sub>4</sub> "		+ 0' 5 <sup>3</sup> / <sub>4</sub> "	+ 0' 11 <sup>3</sup> / <sub>4</sub> "	+ 0' 9 <sup>3</sup> / <sub>4</sub> "		0' 10 <sup>3</sup> / <sub>4</sub> "	3' 3"		4' 0"		6' 4 <sup>1</sup> / <sub>4</sub> "	8' 1 <sup>1</sup> / <sub>4</sub> "	6' 11"		6' 11"					
27	9' 4 <sup>3</sup> / <sub>4</sub> "		7' 4 <sup>3</sup> / <sub>4</sub> "		4' 4 <sup>3</sup> / <sub>4</sub> "		+ 0' 5 <sup>3</sup> / <sub>4</sub> "	.04 + 0' 9 <sup>3</sup> / <sub>4</sub> "	.72	0' 1 <sup>3</sup> / <sub>4</sub> "	.14	0' 11 <sup>3</sup> / <sub>4</sub> "	.28	3' 3"	.29	6' 4 <sup>3</sup> / <sub>4</sub> "	8' 2 <sup>3</sup> / <sub>4</sub> "	6' 11"	1.37	6' 11"					
28	9' 5 <sup>3</sup> / <sub>4</sub> "		7' 2 <sup>1</sup> / <sub>4</sub> "	.32	4' 3 <sup>3</sup> / <sub>4</sub> "		+ 0' 6 <sup>3</sup> / <sub>4</sub> "	.48 + 0' 9 <sup>3</sup> / <sub>4</sub> "	.97	0' 2 <sup>1</sup> / <sub>4</sub> "	.14	1' 0"		3' 3 <sup>3</sup> / <sub>4</sub> "		6' 6 <sup>1</sup> / <sub>4</sub> "	8' 2 <sup>1</sup> / <sub>4</sub> "	5' 5"	.06	5' 5"					
29	9' 6 <sup>1</sup> / <sub>4</sub> "		7' 0"				+ 0' 8 <sup>3</sup> / <sub>4</sub> "	+ 0' 6 <sup>3</sup> / <sub>4</sub> "				1' 1 <sup>3</sup> / <sub>4</sub> "		3' 5 <sup>3</sup> / <sub>4</sub> "		6' 7 <sup>3</sup> / <sub>4</sub> "	8' 3"	5' 11 <sup>3</sup> / <sub>4</sub> "		5' 11 <sup>3</sup> / <sub>4</sub> "					
30	9' 6 <sup>1</sup> / <sub>4</sub> "		7' 0"				+ 0' 6 <sup>3</sup> / <sub>4</sub> "	+ 0' 4 <sup>3</sup> / <sub>4</sub> "	1.57	0' 3 <sup>3</sup> / <sub>4</sub> "	.31	1' 1 <sup>3</sup> / <sub>4</sub> "		3' 5 <sup>3</sup> / <sub>4</sub> "	1.28	4' 3 <sup>3</sup> / <sub>4</sub> "	8' 4 <sup>3</sup> / <sub>4</sub> "	5' 10 <sup>3</sup> / <sub>4</sub> "		5' 10 <sup>3</sup> / <sub>4</sub> "					
31	9' 6 <sup>3</sup> / <sub>4</sub> "		7' 0 <sup>1</sup> / <sub>4</sub> "	.16			+ 0' 7 <sup>1</sup> / <sub>4</sub> "				0' 4"			3' 5 <sup>3</sup> / <sub>4</sub> "		4' 3 <sup>3</sup> / <sub>4</sub> "	8' 4 <sup>3</sup> / <sub>4</sub> "		.01						
Totals.		1.26	4.91		3.35		3.89		6.11		1.36		4.30		2.77		3.88		1.20		4.16		6.05		

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

The Rainfall is in inches and decimals of an inch.





# REPORT

## OF THE

# WATER REGISTRAR.

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*To the Joint Standing Committee on Water :—*

GENTLEMEN :—I respectfully present the following report for the year ending November 30th, 1878.

There were one hundred and fifty-four (154) applications for water received during the past year, of which number all but three were granted and the service pipes laid.

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

For <i>Metered Water</i> , 5,327	amounting to	\$54,342 82
“ <i>Annual Rates</i> , 3,787	“ “	29,319 11
Total,		9,114 “ “ \$83,661 93

The water was shut off from the premises of sixty 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 four.

Abatements amounting to \$9,354.29 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 last twelve months, ending September 30th, inclusive of waste and leakage was as follows :

From October, 1877, to April, 1878, 141,021,664 gallons.

“ April, 1878, to October, 1878, 108,032,344 “

Total, 249,054,008 “

### METERS.

During the year, five hundred and forty (540) meters have been placed upon the works, and the total number in use at the present time is twenty-nine hundred and sixty-three (2,963), 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> .....	1493	299	58	9	21	1	1	—	—
<i>Union (Rotary)</i> .....	465	14	6	3	12	—	1	1	1
<i>Desper</i> .....	521	34	2	—	—	—	—	—	—
<i>Gem</i> .....	14	—	1	—	1	—	3	—	—
<i>Worthington</i> .....	—	2	—	—	—	—	—	—	—

The Department deem the use of meters absolutely essential as a protection against waste of water. As heretofore, leakages and deliberate wastes have been disclosed which otherwise would have assumed formidable proportions. In this respect alone, meters prove valuable auxiliaries to the department.

### REVENUE.

The amount of revenue actually received the past year from the sale of water was \$73,673.17. Bills have been paid more promptly than the financial state of the times indicated, although the more familiar the water takers become with the rules and workings of the department, the more readily do they respond to the demands of the treasurer for payment of bills.

## REMARKS.

The quality of the water, during a certain period, was of a nature not conducive to happiness among the takers, and the absurd rumors in circulation, as to the cause of the trouble, did not decrease the feeling. The Committee and officers explained as best they could, the state of things, and no knowledge of any serious results arising from the use of the water was received.

Respectfully submitted,

J. STEWART BROWN,

*Registrar.*

WORCESTER, December 20th, 1878.

# REPORT

## OF THE

# CITY ENGINEER.

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*To the Honorable the City Council:*

GENTLEMEN:—The following report of the transactions of the Department of Civil Engineering for the year ending November 30, 1878, is respectfully submitted, to wit:

### HIGHWAYS AND SIDEWALKS.

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.
✓ Austin, .....	Merrick, .....	Mason,	Grade.
✓ Castle, .....	Main, .....	Alden,	
✓ Fruit, .....	William, .....	John,	
✓ Goulding, .....	Highland, .....	Dix,	
✓ Hollywood, .....	Kingsbury, .....	May,	
✓ Jackson, .....	Main, .....	N. & W. R. R.	Grade.
✓ Kingsbury, .....	Woodland, .....	Hollywood,	
✓ Millbury, .....	Cambridge, .....	Vernon,	Grade.
Millbury, .....	{ Point 312 feet North of } { Ballard Stone house. }	Vernon,	Location and Grade.
✓ Quinsigam'd Ave.	Southbridge, .....	Cambridge,	Laid out.

## STREETS CONSTRUCTED.

STREET.	FROM	TO	Date of Order.	Width in feet.	Length in feet.	REMARKS.
Foster,	Norwich,	Summer.	April 22,	60.	1,846.76	Partly constructed.
Atchison	Shrewsbury,	Plantation,	June 24,	40.	398.00	Thr'h G. T. Atchison P'nd.
				Total length,	2,244.76	

## SIDEWALKS DECREED.

STREETS.	FROM	To	Length.	REMARKS.
Austin . . .	Merrick . . . . .	Mason . . . . .	2,560.00	Both sides
✓ Benefit . . .	Main . . . . .	Beacon . . . . .	783.00	{ W. side, reloca'n
✓ Canal . . . . .	Front . . . . .	Southerly . . . . .	465.80	Both sides
✓ Castle . . . . .	Main . . . . .	Alden . . . . .	710.30	" "
✓ Fruit . . . . .	William . . . . .	John . . . . .	786.00	" "
✓ Grafton . . . . .	{ Court south of Earle's Card } { Factory, }	{ S. E. line, es'te } { of M. Sullivan }	1,455.00	" "
✓ Hollywood . . . . .	Kingsbury . . . . .	May . . . . .	1,285.26	" "
✓ Kingsbury . . . . .	Woodland . . . . .	Hollywood . . . . .	611.34	" "
✓ May . . . . .	{ N. E. side, Woodland . . . } { S. W. side, Main . . . . . }	Mason . . . . .	2,501.10	" "
✓ Orange . . . . .	Park . . . . .	Myrtle . . . . .	771.90	West side
✓ Southbridge . . . . .	{ E. side from point 94.' North } { of B. & A. R. R. bridge . . . } { West side, Hermon . . . . . }	Cambridge . . . . .	9,096.60	Both sides
✓ Vernon . . . . .	Union Ave . . . . .	Winthrop . . . . .	1,050.00	" "
			Total length,	22,076.30

## SIDEWALKS CONSTRUCTED.

STREET.	FROM	TO	Side of St.	Length.	REMARKS.
Benefit.....	{ W. line of G. C. }	Beacon,	West,	404.8	
Canal.....	{ Bigelow's Est... }	Cherry,	West,	200.8	
Castle.....	{ Main ..... }	{ Valley, }	{ S. W. }	{ 204.8	
	{ Piedmont Court }	{ Alden, }	{ N. E. }	{ 186.5	
Central ....			North,	48.9	{ Front of Rich-
Cherry ....	Canal .. . . . .	Westerly,	South,	54.8	ardson Mowing
Crown .....	Austin .. . . . .	Northerly,	{ East,	{ 103.3	{ Machine Co.'s.
			{ West,	{ 222.5	
E. Worc'ter	Shrewsbury .. . . .	Easterly,	South,	120.7	
Grafton ....	{ Ct. S. of Earle's }	Southeas'tly,	No'the'st,	731.7	
	{ Card factory.... }				
Grafton .....			So'theast,	51.5	{ Curb set previ-
Hanover ...	Belmont,.... . . .	Kendall,	East,	607.2	ously, front of
Orange.....	Park .. . . . .	Southerly,	West,	465.0	Geo. W. Gill's.
Oread .....	{ N. W. line of C. }	Southerly,	Northea't,	197.7	
	{ H. Fitch's .....				
Southbridge			East,	370.0	Under R. R. bridge.
Union .. . .	Market .. . . . .	Southerly,	West,	367.3	
Union .....	Exchange. .... .	Northerly,	West,	75.2	
Vernon ....	Pattison..... . . .	Southerly,	East,	328.4	
Total length,				4,741.1	

The construction of the Island Sewer rendered it necessary that a change should be made in the grade of Millbury street from Cambridge to Vernon streets. The County Commissioners were petitioned to make this change, and, after granting a hearing to all parties interested, issued a decree establishing the grade as asked for by the city, which is as follows, to wit:

Commencing at Cambridge street at grade, the street gradually ascends on a grade of about 33 feet per mile to a point 2,650 feet from Cambridge street; thence it descends by a curved grade, any portion of which is not over 30 feet per mile, to Vernon street.



Under a subsequent decree of the County Commissioners the location of Millbury street was changed from a point nearly opposite J. S. Ballard's stone house to Vernon street. This straightens the street between the points named.

An arrangement was made with Mr. Ballard, by which the land abandoned in making the change of location was exchanged for land taken, without cost to the city. The result of these changes will be an almost level road from Main street to the Town of Millbury.

A decree making the Foster Street Extension public, was passed by the City Government, August 1, 1877. This decree located the street so as to pass under the viaduct at Mechanic street, instead of going straight, as originally contemplated. The Order for the construction of the street was passed April 22, 1878, and work was commenced.

The work has progressed steadily through the season, and the street is now nearly completed with the exception of the Viaduct bridge, which has to be widened about 18 feet.

Before commencing work on the bridge, the Legislature should be asked to change that portion of the act that relates to the bridge, so that the present structure can be used in making the crossing. This can be done by placing columns in the gutters of the street and having the ends of the bridge rest upon them. Iron girders could then be used to connect the bridge with the abutments. This would save several thousand dollars to the city, as a bridge to span the entire width of the street would be much more expensive than the plan proposed.

An arrangement should also be made with the railroad companies owning the viaduct, by which they should proceed to construct this portion of the street early in the coming season.

A new street through G. T. Aitchison's land, in the easterly part of the city, has been constructed according to the decree of the County Commissioners, and a new wooden bridge has been built over the Boston & Albany railroad on James street.

Fifty-one petitions have been referred to the Highway Committee, and forty-seven 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 December 1, 1877 to December 1, 1878.

STREET.	LOCATION.	Size.	Length in Feet.	Manholes	Cost.	REMARKS.
Eastern Ave.....	Laurel to Shelby St.....	12"	304.7	3	\$710.39	
Waverly St.....	Penn Ave., westerly ....	12"	235.5	2	221.82	
Barclay St.....	South'y across Ætna St {	15" oval	1,028.1	7	1,334.77	
		18" "				
		16"x24"				
Ætna. ....	Curve at Barclay St.....	12"	29.5	1	47.64	
Mott.....	Barclay St., westerly... {	15" oval	252.5	2	207.64	
		12"				
		12"				
Harrison.....	Barclay St., westerly .. {	15"	251.0	2	258.65	
		12"				
		12"				
Clarkson.....	Curve at Barclay St.....	12"	32.5	1	56.87	
Piedmont Ct.....	Piedmont to Castle St....	15"	223.1	2	303.96	
Castle.....	Piedmont Ct. to Valley St.	15"	53.4	1	72.75	
Shrewsbury .....	Culvert to E. Central St..	12"	849.1	4	370.75	Temp'ry Drain.
East Central .....	Shrewsbury St., westerly.	9"	427.8	3	557.75	" "
Rear Q'nsigam'd B'k	Central St., northetly....	12"	189.0	2	133.82	
Catherine.....	Windsor St., westerly....	12"	311.4	3	306.33	
Park Ave.....	Westerly to Pleasant St {	12"	961.6	2	914.79	" "
		15"				
Highland.....	Harvard to Lancaster St..	12"	263.7	2	296.78	
Crown.. ..	Austin St., Northerly ....	12"	340.0	4	346.50	
Totals,.... ..			5,752.9	41	\$6,141.21	

In the early part of the season, several petitions were received from parties living on Pleasant and North Newton streets, for the construction of what is known as the Lincoln Brook Sewer. Plans and estimates were prepared, so as to ascertain the most desirable location, and also the cost of constructing the sewer. The route recommended begins at the point where the Pleasant street sewer enters Lincoln Brook; thence runs through Pleasant street to Mason street; thence in Mason, Tufts and Newton streets to the point where Lincoln Brook crosses said Newton street. A branch sewer should then be constructed in Pleasant street, running from Newton street easterly, and entering the main sewer at Mason street.

The total cost of this project would be \$15,927.15 (estimated) and would require the construction of

2,215 feet.	44" x 66"	Brick.
442 "	40" x 60"	"
162 "	18" x 27"	"
259 "	16" x 24"	"
179 "	12"	Pipe.
21 manholes and 13 catch basins.		

Owing to the amount of work the city had on hand, it was not thought advisable to construct the sewer at the time.

The Joint Standing Committee on Sewers, however, recommended that a temporary drain be constructed from North Newton street, near the intersection with Pleasant street, through the meadow land owned by Belcher and Wall, to an old stone drain running under Pleasant street to the land owned by John W. Wetherell. This stone drain was to be taken up and 15 inch pipe put in its place. This drain would relieve the land owners from large quantities of surface water which floods their land after heavy rains.

An order for the construction of said drain was passed by the City Council, September 23, 1878, and it has since been completed.

A temporary drain has also been constructed in East Central and Shrewsbury streets, at the request of the Board of Health, to take away the sink water running in the gutters of said streets; they having adjudged the same to be a nuisance.

The sewer system in the city comprises 37.26 miles of sewer, 1,448 manholes and 805 catch basins, which are in excellent repair, and have been well taken care of during the past year. There has been 126 permits to enter the sewers granted during the past year, making a total of 2,277 issued to date.

#### ISLAND SEWER.

A decree locating this sewer in Millbury street from Cambridge to Vernon streets, was passed by the City Council, January 21, 1878; this route being selected after a careful examination of the merits of all the different ones proposed. Before

commencing work, the Joint Standing Committee on Sewers voted to do all the work, with the exception of the rock excavation, by the day. On January 26, bids were received for the rock excavation, varying from 60 cents to \$5.00 per cubic yard. Mundell and Whittaker, of Providence, R. I., were awarded the contract, they being the lowest bidders. The contract was signed by them February 13, and work was commenced as soon as the earth could be removed from the surface of the ledge by the city. The excavation of the rock has been progressing at the rate of about 3,000 cubic yards per month, and there now remains about 30,000 cubic yards, which it is expected will be removed early in the coming season. The average depth of rock cutting is 18 feet; the maximum depth, 40 feet.

Previous to commencing work, an arrangement was made with the land owners abutting on Millbury street, whereby so much of their land as would be required by the city, could be taken and used, for purposes connected with the construction of the sewer, by paying a fair compensation therefor.

On February 5th, a contract was entered into between Brigham Converse and the city, for furnishing all stone required in the construction of the sewer, with the exception of what might be taken from the rock excavated on the works. Mr. Converse was the lowest of three bidders, the contract price being \$1.20 per ton, delivered on the ground. On April 4th, a contract was entered into between F. O. Norton, of New York City, and the City of Worcester, for furnishing all the cement required during the season of 1878; the price being 84½ cents per barrel, delivered at Hudson, New York. An arrangement was made with the Boston and Albany Railroad Company whereby the cement was freighted from Hudson to Worcester for 23 cents per barrel, making a total cost to the city of \$1.07½ per barrel, delivered in Worcester. A contract was also made with Alzirus Brown to deliver the cement at any point on the works for 5½ cents per barrel. Work was commenced by the city, February 28. A temporary road was constructed east of Millbury street, to be used by the teams connected with the works, after Millbury street should be closed to travel. Two buildings were erected, one to be used as a horse

shed, and the other as a blacksmith shop, store house and office. A large force of men was also set at work excavating the earth upon the site of the sewer. This part of the work has been pushed as rapidly as possible during the season, and when work was stopped this Fall, the entire earth excavation had been completed. Care has been taken in depositing the material, so that it might be moved but once, although from the nature of the work, quite a large quantity will have to be handled a second time to complete the back filling.

Three gangs of men have been constantly employed, and at times four have been used.

The price paid for laborers has been \$1.25 per day, foremen \$2.50 per day, and teams, consisting of two horses, two carts and a man, or two horses, a double cart and a man, \$3.50 per day.

Before commencing work on the masonry, a bargain was made with A. B. Lovell, to furnish the sand needed in the construction of the sewer, the price paid being 88 cents per cubic yard. But, as large quantities of sand have been found in making the excavation, the amount delivered by Mr. Lovell has been comparatively small. It is estimated that there is sufficient sand on hand at the present time to complete the entire work. Work upon the masonry has progressed satisfactorily during the past year.

That part of the sewer between Cambridge street and the ledge has been completed, also several hundred feet at the middle section, and the entire section between Vernon street and the ledge; making a total of 2,352 feet finished, with the exception of some back filling on the top to bring the street to grade.

The general inside dimensions of the sewer are 18 feet wide and 13 feet high. The top of the sewer is arched, the bottom an inverted arch of cement concrete, and the side walls are perpendicular and of stone, as is also the arch. The side walls are 4 feet thick, arch stone 18 inches, and the concrete in no place less than 8 inches. Large quantities of Ledge stone have been used in the side walls and backing, saving a large sum of money to the city. All the masonry, with the exception of the back-



ing, has been laid in cement mortar, composed of one part of cement to two parts of clean, sharp sand. The concrete used in the bottom was composed of three parts screened gravel, one part sand, and one part cement. Under the invert, two lines of cement pipe were laid for under drainage, and were used to conduct the water accumulating in the trench to the pumps. Catch basin pipes have been entered every 600 feet, and pipes for house drainage every 100 feet.

The foundation on which the sewer rests is unusually good, being principally a hard, cemented gravel, or a tough blue clay. Large quantities of mud were found in several places, but in no case did it extend down to the grade line of the sewer.

A re-location had to be made for a short distance, at the lower end of the sewer, in order to conform to the re-location of Millbury street. It was also thought advisable, after commencing the work, to tear down the small dam, owned by Mr. John S. Ballard, below the arch bridge on Millbury street, and construct a new dam of the same height, back from the entrance to the sewer, so as to relieve the sewer as much as possible from back water from the river, during freshets.

A substantial stone dam, with retaining walls on the side of the river has been built, and the bed of the river has been thoroughly cleaned and paved below the dam and the outlet of the sewer. A gate chamber has also been built in the dike between the river and Mr. Ballard's pond and a 24-inch iron pipe run from the dam to the gate chamber and a 24-inch brick conduit from the gate chamber to Ballard's pond. Two iron slide gates have been placed in the chamber, one on the pond, and one on the river side thereof. The arrangement is such that the water can be made to run either into Mr. Ballard's pond, or into the the river, which will be of great convenience to the city in case the water should have to be drawn from above the dam in order to make repairs upon the arch bridge; the practice heretofore having been, when repairs were necessary, to tear down a part of the dam in order to let out the water.

All the tools used by the city upon the work have been purchased by a sub-committee of the Joint Standing Committee on



Sewers, appointed for that purpose, the purchases being subject to the approval of the full committee. The following statement gives the estimates and cost of sewer to date.

## COST OF SEWER.

Estimate of Sewer from Cambridge to Vernon Sts.,	\$175,136 75	Total am't expended to date,	\$118,457 79
Estimate for re-building Ballard's dam, cleaning river, widening Millbury street,	10,000 00	Stock on hand:—	
	\$185,136 75	Tools purchased,	\$10,000 00
		Deduct one-third for wear,	3,333 33
		Actual valuation,	\$6,666 67
		160 cu. yds. sand at 88 cts.,	140 80
		500 tons stone at \$1.20,	600 00
		800 bbls. cement at \$1.13 3-8,	907 00
Actual cost to date,	110,143 32		8,314 47
Balance of Estimate,	\$74,993 43	Actual cost of Sewers to date,	\$110,143 32

No estimate has been made by me for the work to be done north of Cambridge street, no order having been passed by the City Government ordering said work.

The property owned by the Sewer Maintenance Department is valued at \$539.75. That owned by the Island Sewer Department is valued at \$6,666.67. Schedules of the above may be seen at this office.

## NORTH POND DAM.

On July 19, I reported to the Joint Standing Committee on Sewers, that my attention had been called to a leak in the North Pond dam. The leak, although not thought to be serious at the time, was still an indication of weakness, and I advised that it be looked after at once. The Joint Standing Committee on Sewers immediately notified the other owners of the dam, and a meeting was held, at which all agreed to bear their portion of the expense of repairs. It was found, upon inquiry, that the spiling put in when the dam was previously repaired, did not extend through the dam into the natural bank at the

south end of the north dam. As the principal leak was about opposite the end of the spiling, it was supposed, by extending the spiling into the natural bank, the leak would be stopped. It was found, however, on excavating around the end of the old spiling, that it was not driven into the natural ground, there being some three feet of mud between the bottom of the spiling and the natural ground. It was thought advisable, by the committee, that the County Commissioners be notified, which was accordingly done. In the meantime, the work of extending the spiling had been carried on as rapidly as possible, the new spiling being driven, as far as it could be, into the hard gravel forming the natural ground, and a puddle bank 10 feet thick being made around the new spiling and brought up to the top thereof.

The old face wall of the dam was also carefully removed; earth laid in 6-inch layers, well rammed, being substituted. The dam was also widened 5 feet on top, the up-stream face having a slope of  $1\frac{1}{2}$  to 1, and being thoroughly rip-rapped with stone. After making their examination of the dam, the County Commissioners ordered a plan and specification of the proposed work prepared and submitted to them for approval. They also notified the city authorities, that they should grant a hearing to all parties interested, as soon as the plan and specification had been received.

The hearing was held December 3, at which time the plan and specification were approved, and I was instructed, by the Commissioners to see the parties having control over the gates of the dam and request them to keep the water at such a height in the pond as I might deem safe, and in case they declined so to do, to inform them that an order would be issued by the Commissioners fixing the maximum height of the water at such a point as I should designate. I immediately informed the person in charge of the gates of the request of the Commissioners. He desired a day to confer with the other owners of the dam. Upon seeing him, the next day, he declined to open the gates to lower the water. This fact was at once reported to the County Commissioners, who stated that they would visit the dam with me and fix a high water mark and

TABLE—Showing the lengths and cost of the present Sewerage, with the amount of each size of Sewer constructed each year since 1866, and the cost per foot.

[illegible]

\* The annual outlay on Mill Brook account does not represent the

it of the length finished during the year.

NOTE.—The above table includes the length but not the cost of the following sewers which were built by private individuals.

116 feet of 9-inch in 1868; 250 feet of 12-inch, 325 feet of 16-inch, and 4 manholes in 1871, and 163.5 feet of 12-inch and 2 manholes in 1875.





order the water kept at that level. The Commissioners have not, however, made the examination at the present time, and the matter is now in their hands. The work of repairing the dam should be completed the coming season, as I do not consider it safe to leave it in its present condition.

### STREET LIGHTING.

The following table shows the number of street lamps in use since 1871.

YEAR.	GAS.		OIL.		TOTAL.
	Number.	Increase.	Number.	Increase.	
1872.....	592	26	303	47	895
1873.....	604	12	351	48	955
1874.....	637	33	420	69	1,057
1875....	643	6	484	64	1,127
1876....	667	24	557	73	1,224
1877.....	675	8	619	62	1,294
1878. ....	681	6	654	35	1,335

The work of this Department has been done to the entire satisfaction of the Joint Standing Committee on Lighting Streets, by P. Ronayne.

In closing this report, I desire to express my sincere thanks to the members of the City Government, and to my associates in City Hall, for their uniform kindness and good will, especially to the Superintendent of Sewers, who has so skillfully carried through the large amount of work intrusted to him by the Sewer Department.

I also wish to express the great satisfaction I feel at the manner in which work intrusted to my assistants has been done.

Respectfully submitted,

C. A. ALLEN,

*City Engineer.*

WORCESTER, December 30th, 1878.

# Report of Chief Engineer

OF THE

## FIRE DEPARTMENT.

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CHIEF ENGINEER'S OFFICE, }  
WORCESTER, JANUARY 1, 1879. }

*To the Honorable the Mayor and City Council :*

GENTLEMEN :— I hereby present my Sixth Annual Report of the condition of the Fire Department, for the year ending December 31st, 1878, and in so doing, it affords me pleasure to acknowledge my gratification at the confidence reposed in me as Chief Engineer; every assistance has been rendered the Board in the performance of their duties by your honorable body, by which the Department has been maintained in its present high state of efficiency, both as regards men and apparatus. I have embodied in this report all that I could gather of interest in regard to the workings of the Department for the past year, together with a list of officers and members, with the salaries paid them for their services, the members and location of the Fire Alarm stations, an inventory of property in charge of the Board of Engineers, with other information in connection with this organization necessary to be known to you and the citizens of Worcester. I have endeavored to truthfully present for your consideration, what the Department needs to give additional protection to the property of our citizens from the fiery element.



## 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 proved itself capable of meeting all the emergencies that have arisen during the past year, and has shown a marked improvement. It is one of the essentials requisite of a fire department, that its full working force should be kept up, ready at an instant's warning to respond to an alarm, although there may be days and weeks when the services of the Fire Department or firemen may not be needed, still it is necessary that they should be "always ready;" therefore it is for the interests of the City Government, and the citizens generally, that proper means be furnished to keep the Department up to its present high standard, and make such additions and improvements as may be required and brought to our notice from time to time. Perhaps it will not be out of place here to state that nothing so inspires our firemen as to know that citizens generally are interested in what they are doing, and manifest this interest by visits to their quarters and inspections of their apparatus. Large sums of money are invested in fire apparatus and equipments, and it should be a matter of interest to those who pay taxes to see how the money "goes," if no higher motive inspires them, to encourage their fellow-citizens in the performance of their duty. In this city we are glad to know some of our wealthiest citizens, their wives and children, are frequent visitors to the engine houses; where they and all others are welcome guests. They inspire the men with new courage and higher ambition,

and stimulate them to appear at their best at all times; citizens will always find a welcome at the houses where our fire apparatus is kept, and the utmost courtesy shown them by the members. A proper spirit of emulation exists in every branch of the Department in the performance of their duties, and they are many times called to positions of danger from falling walls and exposures from which they do not shrink, in their endeavors to save life and property: duty calls the fireman to action; what manner of man should he be considering the responsibility required of him? every precaution has therefore been taken in the admission of new members, that they possess all the qualifications necessary to fill a position of so much importance to the well-being of the city. We are pleased to note that in the year that has just closed, there has been but little disposition to interfere with the duties of the firemen by what are usually termed "outsiders," while working at fires, those present being satisfied that men trained to the business know how to get a fire under control without advice.

The present excellent discipline and good order that exists in the management of fires will not bear comparison with the days of Hand Departments, when it required four times the present number of men to handle the apparatus, but it is generally admitted that the present system excels in every particular. All these changes have been made after careful consideration, and the general feeling of security that is manifest in the community is a sufficient guarantee that they are wise and prudent alterations.

Before closing this portion of the report, we desire to call your earnest attention to the advisability of so amending the Ordinance on Fire Department, that the officers of all the companies shall be appointed by the Board of Engineers, to hold their position until removed by promotion or otherwise, and we recommend they should be removed only for cause.

The Department held the annual parade on October 3, and participated in the trial of Engines and Hose Carriages for the prizes offered by the New England Agricultural Society; the Gov. Lincoln won the first prize and the A. B. Lovell the second prize for steamers, and City Hose No. 1, won the second

prize for Hose Companies, which is a creditable showing of our Department. The appearance of the Department at that time, was the subject of many commendations from strangers, as well as our own citizens. It is a source of gratification to the Board of Engineers to know that the City Government and citizens appreciate the value of their Fire Department.

### FIRES AND INSURANCE.

The cause and prevention of fires is still one of the most important subjects for consideration and discussion, by the citizens, the Board of Engineers and the Insurance Companies. Owing to the great depreciation in the value of real estate during the past few years, the temptation has been very great for property owners to cause the destruction of their buildings, and in this manner relieve themselves from financial embarrassments in the quickest possible manner. The Insurance Companies are in part responsible for this state of things, as they are so anxious to keep up their business that they fail to investigate the matter of over insurance as long as the premiums are promptly paid. I have repeatedly reminded the insurance companies of what seems to be their plain duty in this matter, as it is in their power to remove one of the most prominent causes of so many fires. It is not possible to make all men honest, but it is right and proper to remove every inducement to be dishonest.

Few persons apparently realize the terrible destruction of fire, till the fact is brought home to themselves. We read about whole villages being destroyed, and hundreds of persons rendered homeless or thrown out of employment, but the words seem to make no lasting impression, at least, such would seem to be the case, from the recklessness shown on all sides regarding fire; if property invested in buildings and their contents, were guarded half so watchfully as a man guards a pocket book containing ten dollars, these fires would be prevented. Every method adapted to decrease the number of fires will have a tendency to reduce the expenses of the Fire Department, or keep them within their present limits. The Board of Engineers represent the tax-payers in this matter, and desire to make the

expenses of the Department as light as possible, in the interests of those we serve.

Incendiarism is one of the most cowardly crimes that can be committed, whether the motives are governed by revenge, or for the purpose of defrauding the insurance companies, and every case should be promptly investigated, and upon conviction, the scoundrels should be as promptly dealt with to the full extent of the law. We earnestly call the attention of our citizens to the necessity of more care to prevent fire about their premises, by substituting iron in place of wooden vessels as a depositary for ashes, and in every other way exercise due vigilance. The Fire Department is ready and willing to promptly answer all calls upon it, but as our aim is the public good, we are in duty bound to urge upon our citizens every precaution to prevent the destruction of property by fire. Boston and Chicago have not entirely recovered from the effects of their large fires, and it is not desirable that Worcester should have such an experience, as the result of negligence or carelessness.

The record of the past year will compare favorably with years past. During the year just closed there has been forty-three (43) Bell alarms, and forty-two (42) Still alarms, the loss by these fires \$42,185.76, and the insurance on the property damaged was \$456,854.00; for complete and detailed statement of losses, and amount of insurance, I refer you to the list of fires and alarms.

#### APPARATUS.

The apparatus of the Department, consists of five steamers, three were built by the Silsby Manufacturing Company of Seneca Falls, N. Y., one by the Amoskeag Company of Manchester, N. H., and one by B. S. Nichols of Burlington, Vt. The last named engine was purchased the past year. There are in service twelve, four wheeled hose carriages carrying eight thousand feet of hose; three hook and ladder trucks, two in service and one in reserve, and one Babcock Extinguisher. A new hose carriage has been built for Steamer No. 3, making their apparatus all new, and a hose carriage is nearly completed



for Steamer No. 4, which has been needed for a long time. A new boiler has been furnished to Gov. Lincoln No. 1, and it has also been thoroughly repaired and painted. Steamers No. 2 and 4 have been repaired and the tubes so altered that steam is made much quicker than before, so that all the engines are now in excellent condition.

Every steam engine in use should be in charge of a competent engineer, who should be paid a fair compensation to devote his entire time to the care of it. A steam engine is a wonderful piece of mechanism, needing to be controlled by trained intelligence, and requiring constant care to keep it in perfect condition; an ignorant person can very easily disarrange it as to throw it out of service, and at that time it is sure to be wanted. No prudent man would trust the engine in his factory to be cared for in an haphazard way. A competent engineer is required to handle a steamer, and such a man should be adequately paid for his services. A community that is unwilling to do this should go back to the old hand engines, and trust their fire protection to the muscle of the many, rather than the intelligence of the few. They may lose more by fire, but they will have the satisfaction of saving the salary of a good man.

Great care should be exercised in drawing apparatus to fires; there is too much rivalry existing between the Insurance Patrol and the Fire Department, being controlled by different interests, and are jealous of each other, they strain every point to reach the fire first, and so claim the glory of being the quickest. Recklessness is not necessary to insure promptness; there is an old adage which says, "make haste slowly," which may be applied to the Fire Department with special appropriateness. The best drivers are the most careful ones, the most careful ones are those who make the best record for being first at fires; the men who exercise cool, deliberate judgment, good sense and prudence, are the most efficient drivers of apparatus, for they are prepared for any emergency. Reckless men never win the confidence of those about them, there is no necessity for recklessness in the fire service, and it cannot be too severely condemned.

The liberality of the City Government has been shown in

promptly according to the recommendations of the Board of Engineers, and the result is, that the apparatus is in better condition for service, than at any previous time. The Board will be as ever watchful in having all necessary repairs made, that they may be ready for any emergency that can possibly arise. "Eternal vigilance is the price of safety." We have five, hand hose carriages with whiffle-tree attached to the tongue of apparatus, which in case of fire are taken from the horses and drawn by the members, until overtaken by horses obtained from livery stables—a very objectionable method, for if horses were permanently employed, double the quantity of hose could be carried on the reels and the men arrive at a fire fresh, and in better condition for work; the force of this is apparent, when the formation of the ground upon which the business portion of the city is built is taken into consideration; being in a valley, streets with very steep grades have to be overcome, making the hauling at times slow and difficult to reach the desired point. I would suggest the propriety of altering these carriages so as to have them drawn by horses, and have one or more of them removed to the outer districts, where they have no fire protection. I would recommend that Hose five and two be changed to horse carriages as soon as our finances will admit. I would also recommend that a light one-horse tender be added to the apparatus of the Department, to carry light ladders and six small extinguishers—perhaps it would be advisable to make this change in place of one-horse hose carriage; in dealing with a fire, the element of time is the most important factor in the matter of its extinguishment. Hose Carriages numbers one and two will need thorough repairs the coming year to make them reliable and effective, due economy will be observed by having the men in the Department make all such as can be conveniently done in the engine house.

#### PROTECTIVE DEPARTMENT.

The Board of Engineers desire to reiterate their previously expressed opinion of the value and efficiency of the Fire Patrol, as an auxiliary of the Department; its members are exceedingly



active and earnest in the discharge of the important duties devolving upon them, the record of the company continues good, and they have been of great service to the Department during the past year, and been the means of saving much property liable to be injured by fire, water or smoke. They have answered all alarms and in many cases have extinguished incipient fires by the use of the small extinguishers. It is their duty to cover goods with their waterproof covers, and when necessary, to remove them from the building and protect them. Before the existence of the Fire Patrol, great loss and injury were sustained by the unnecessary removal of property, they have also done away with thieving at fires, as it is their duty to keep all improper persons out of the building and off the grounds.

The Patrol take charge of all goods at the commencement of a fire and remain after it is extinguished, when they leave it in charge of the owners or their representatives. When an investigation is necessary as to the cause of a fire, the members of the Patrol can and do render efficient aid in getting at the truth of the matter. In all their various duties your Honorable body will perceive that they perform them faithfully, their services in saving property exposed to destruction by fire and water, having saved large sums to the uninsured, and their efficiency is acknowledged by all who have given any attention to fire matters.

The Patrol are supported almost entirely by the Insurance Companies of the city, although their services are rendered to the public. This is subjecting a special class of business to taxation which is not felt by other classes, and is consequently wrong. Why the Patrol should be supported by one class, any more than the Fire Department or the Police is difficult to determine. When they go to a fire, they protect the property of the insured and uninsured alike, they labor for the public good, and incidentally but not exclusively in the interests of the Insurance Companies. That the public should contribute nothing towards their support has been felt by the Insurance Companies to be a hardship, and every fair minded man will grant that it is so. The company as an auxiliary of the Fire Department cannot well be dispensed with, and the Board of Engineers will

continue to foster and encourage this branch of the Department, that it may maintain its present high state of efficiency.

### HOSE OF THE DEPARTMENT.

There is nothing so indispensable as good reliable hose ; and for the furtherance of this end, the Board of Engineers with the consent and authority of your Honorable body, have taken measures to procure the best in the market. 1,000 feet of carbolized rubber, and 1,500 feet of leather hose has been purchased the past year, we have now in service 4,000 feet of rubber in good condition, 1,000 feet has been thrown out of service ; 9,000 feet of leather, of which 6,000 feet is in good condition, 2,000 feet in fair condition and 1,000 feet has been discarded. We have also 2,800 feet of cotton hose of the "American Jacket" made by Messrs. Sibley of Chelsea, which is in good condition ; it may be advisable to buy a small quantity the coming year. Firemen cannot successfully combat fires when hose is continually bursting, therefore in purchasing I have always found that the best is the cheapest.

Nothing is so discouraging to the firemen as to find after placing a line of hose at a point where a stream is very much needed, that the water is kept wholly or partially back by leaky or broken hose, thus giving the fire a chance to obtain headway, and running a needless risk of an extensive conflagration. It is very important that officials in all Fire Departments understand the paramount importance of having the best quality of hose without regard to cost, and unless this is the governing idea in such purchases, it is of small account what else is done in equipping Departments. Costly engines, abundant supplies, admirable discipline, fire alarms and quick movements, all these are comparatively of little worth, unless the hose will endure the pressure to be put upon it. If the hose fails everything fails except the fire, and that rushes ahead over the paralyzed firemen. What the Department needs, and we mean they shall have, is reliable hose and plenty of it, that can be depended upon in all situations. Give the firemen this and as the apparatus of the Depart-

ment is in good condition, we will guarantee to the citizens that their property shall have ample protection.

### HORSES.

The number of horses in the Department are fifteen, three are attached to Steamer No. 1, three to Steamer No. 2, two to Hook and Ladder No. 1, two are in use by the Fire Patrol, and one each on Steamer No. 3, Hose Nos. 6 and 7 and the Babcock Extinguisher, and one is kept for the use of the Superintendent of the Fire Alarm Telegraph.

One horse has died during the past year and one purchased to take its place. The average expense for feeding each horse has been twenty-four cents per day. This comparative small expense is due to care in the purchase of feed, the market has been carefully watched, and when prices were low to procure a stock; by this method better feed is procured.

The peculiar duty required of horses in this service makes them more liable to sickness and injury than otherwise. Several of the horses have been in use twelve and thirteen years, and they continue to do good service on account of the excellent care taken of them. To preserve the efficiency of this important branch of the service, I recommend that some of them be exchanged for younger horses, as it is of vital importance that there should be no delay in getting the apparatus to a fire. In making the necessary changes, great care should be taken in selecting horses that would always be reliable, as an unmanageable, baulky horse would be worthless for fire duty; it is important that these changes should be made, therefore the Board will look carefully after this branch of the Department, and trust that your Honorable Body will see the necessity, and sanction the necessary outlay to keep the horses up to the proper standard.

### WATER AND HYDRANTS.

This important branch of the service has received the faithful and careful attention of the Water Board, and the worthy

Superintendent, Mr. Frank E. Hall, and the Department appreciates what has been done towards giving us additional facilities for a supply of water in case of fire; still there is a demand for more hydrants in certain districts. The steady growth of our city requires constant care and watchfulness, that every portion of it may be cared for in that direction. The Fire Department thus far has been able to prevent serious conflagrations, but we know not the day when our present water facilities will be put to a test. In a country like ours which is blessed with such an abundant supply of water, we are apt to be wasteful of it, and when the day of necessity comes, we find that we are unequal to the emergency. In our city economy in the use of water is becoming an absolute necessity, and instead of seeking how to save, we too often by great and unnecessary expenditure of money strive to increase the quantity by adding new sources of supply. So long as no limit exists, and the prudent citizen is subject to injury by his more careless neighbor, there can be no regulation of this matter; but the adoption of some system by which the wasteful citizen pays for his neglect, will, I am satisfied, economise the use and prevent any danger of a failure in the supply. There is no doubt but that the waste of water in this city exceeds the amount actually used; would it not be true economy to oblige water takers to put on water meters, these little detectives would put an end to the necessity for a further supply from other sources. Your attention is respectfully called to the necessity of locating new hydrants, as the Department should have the means at hand by which they can successfully combat fires in every section of the city. The manual force of this Department is fully equal to any in New England, but cannot render efficient service without an abundant supply of water within a reasonable distance from the fire.

#### CHEMICAL ENGINE.

The Chemical Engine continues to give satisfaction to the Board of Engineers, and has worked well during the past year. Although it is not located in the business portion of the city it has responded promptly to all alarms, and rendered important



service at fires, in many instances' extinguished them, thus avoiding flooding the building with water. In giving due credit to the Chemical Engine we do not mean to depreciate the value of our Steamers and Hose Carriages, as they cannot be dispensed with, but our policy is, to extinguish the fire with the least possible loss to the owner. In the history of other Departments, in many cases more damage has been done by water than fire; for small fires the Chemical Engine is indispensable, as after the locality of the fire is ascertained, a stream can at once be placed upon it; it is also well known that in case of burning oil and some other fluids, water is utterly useless, then the Chemical Engine has the advantage and works successfully, another recommendation is that it requires only a small force to operate it. We therefore still adhere to the opinion that no Fire Department is complete without one or more Chemical Engines.

#### FIRE ALARM TELEGRAPH.

The citizens of Worcester have no reason to regret the outlay necessary to keep up this important branch of the Fire Department. Many old residents will remember the difficulties that existed in ascertaining the locality of a fire before we had our present telegraphic system, and certainly cannot desire to go back to old methods, when the whole Department was called out at every alarm, and only a small portion were put into service. Now the exact location is ascertained, and the companies which are needed are alone called out, those being called into service which are within a reasonable distance from the fire.

The Fire Alarm Telegraph places the whole Fire Department under complete control of the Board of Engineers, subject to call as they may be needed, and property owners are at the same time informed whether their own buildings are in danger, or in close proximity to the fire. Under the present excellent system, no time is lost and it is almost impossible for a fire to attain much headway in this city, without the telegraph's delays would occur at just the critical time, and thus occasion the loss of large amounts of property; a few minutes time at the commencement of a fire is worth hours after it is under full head-

way. The greatest care should be taken to ring in an alarm from the box nearest the fire, as it is very important that the firemen should not be sent in the wrong direction.

The position of superintendent, filled by Assistant Engineer Wm. Brophy is a very responsible one, and he has proved himself equal to all emergencies, and I take commendable pride in acknowledging his valuable services, and the mechanical manner in which he has superintended the management of the line. If a break occurs in the wire by day or night, he must seek for it and make the necessary repairs without delay, as it is absolutely necessary for the safety of the city that the wires should be kept intact. I would again recommend that additional Signal Stations be put in, in the following localities: Corner of Millbury and Cambridge streets, corner of Grove and North streets, and corner of Irving and Chatham streets, corner West and Bowdoin streets, and there are other places where Signal Stations are needed, the people who are assessed for the general expenditures have a right to demand that their property should be protected. Last year telegraphic communication was established between all the houses where permanent men are employed and the chief office; the dials on the circuit have been removed and the telephone substituted, and has worked to the satisfaction of all, saving time and travel for the men as well as the Chief Engineer. Many instances might be cited when the telephone has proved itself so valuable that, we could not do well without it, and as our telegraphic communications have worked so well, I see no good reason for recommending a change, except more Signal Stations, which are very much needed to make the line complete.

#### LADDERS AND FIRE ESCAPES.

The more densely populated a city becomes and desirable sites in central localities for building are not readily found, the greater the tendency to erect stores and factories four, five, and even six stories high. With the additional height the danger to life increases in the same ratio, and it has tested the ingenuity of our mechanics to devise some method by which to save the



lives of those unfortunate enough to be imprisoned in the upper stories of a building on fire, with no way open for escape on the inside; their only dependence is in the chance for help from the Hook and Ladder Companies with extension ladders, unless the building has, what all high buildings should have, permanent fire escapes. The firemen are expected to risk their own lives in the effort to save those who are in danger, and the men who compose our Department never shrink from the performance of every duty, in view of the liability to accidents incident to fires in our highest buildings, our Department should have an adequate supply of the best fire ladder known in the country, and I still adhere to my opinion that the Bangor Extension Ladder is the best.

The Hook and Ladder companies compose an important branch of the Fire Department, and should have the benefit of the latest improvements in regard to carriages and ladders. Your Honorable Body has been liberal in appropriating money to purchase new and improved apparatus for extinguishing fire and saving property, and some decided action should be taken to compel owners of factories and workshops where life is endangered, to erect and maintain fire escapes. I have repeatedly called your attention to this subject, considering it to be one of at least equal importance with that of saving property. Because Worcester has been for years exempt from serious casualties does not render us any the less liable to have cause to regret our negligence in this matter. One of the greatest deficiencies in the fire service in this country is the lack of long, serviceable ladders, the best of our extension ladders and the only ones that are safe, are but sixty-five feet long, and fall far short of reaching the roofs of many buildings in this city.

#### HOUSES.

The most of the houses are in good condition, and only a moderate outlay will be required to keep them in good order the coming year. The house of Steamer Company No. 4 has been enlarged by an addition of twenty-feet, an improvement much needed, and gives them ample room for apparatus and men. The

house occupied by Hose Company No. 1, should be enlarged to give them better sleeping accommodations. The house of Hose Company No. 2, is in very bad condition, no doubt there will be a new one built the coming year, as an order for the same has already passed the City Council. All the engine houses with but two exceptions are now provided with sleeping accommodations and bath-rooms. We believe that the better the houses are furnished, the better class of men can be obtained, and I would like to suggest to the powers that be, that every engine house in this city should be more liberally furnished than they are, and should not only be made comfortable, but attractive. The permanent men are obliged to spend all their time in these quarters, and surely their services entitle them to at least the ordinary comforts of civilized life; in many of the companies large sums have been expended in fitting up their sleeping rooms and halls, which is a credit to them; but the city should do this and not oblige the companies to do it out of their scanty earnings.

#### EXPENDITURE.

The expenditures for the year have amounted to \$41,070.09, Revenue \$1,166.67, leaving an unexpended balance of \$3,096.58. Some of our citizens think there is no occasion to expend so much money upon the Fire Department, because we have few serious fires, but let the Department become disorganized on account of the want of the proper means for the extinguishment of fires, and there would be a change of opinion. To prevent the destruction of property it is highly essential that first-class apparatus, with horses and experienced men to handle them, should be provided by those whose duty it is to see that nothing is wanting to make the Department in every respect an efficient one. It is very poor economy to reduce the expenses of any organization so much as to impair its efficiency—the best is generally the cheapest in the end. The great difficulty of estimating the expenses of the Fire Department can be readily seen by any one, as it is impossible to know what damage may occur to apparatus, or how many Alarms we may have; the amount for

the past year has not exceeded the estimates, as will be seen, closing the year with an unexpended balance of \$3,096 58. It is gratifying to the officers and members of the Department to know that the large sum which is annually necessary to maintain the Department in proper working order, is cheerfully appropriated by the City Council, and it is by no means a bad investment, but one which brings good results, and produces a feeling of security which would not exist, had we not a force so thoroughly equipped, who are "always ready" when an opportunity offers to save property from destruction by fire. The Board will earnestly endeavour in the future, as it has in the past, to economize as far as possible in the expenditures, without allowing the best interests of the City to suffer.

#### FIREMEN'S RELIEF ASSOCIATION.

This Association was organized in June, 1874, and a Charter has been procured for it the past year from the State. The organization thus far has been able to render relief to its members, and been the means of accomplishing much good, by relieving the wants of firemen disabled while in the performance of their duties. As these men serve for a small compensation, devoting their time and imperiling their lives for the benefit of others, it should be the duty of the community they serve, to provide for them in case they meet with accident, and for their families where death ensues. In fact, firemen should be provided with pensions by communities, as soldiers are by the government, but the public has not yet been educated up to such an appreciation of the services of the firemen, as will warrant such action; most of them are men of moderate means, it therefore remains for the firemen to make such provisions for themselves and families as they can.

The Association has a small relief fund, this fund has been increased from time to time by donations from citizens who appreciate the value of the firemen's services, and the dangers they have to encounter; in this manner they give it their encouragement and support, for which they have the thanks of

the Board of Trustees acting in behalf of its members. Our citizens can in this way manifest in a substantial manner their interest in the Fire Department, and aid those who become sick and disabled while in the service of the public, and we cannot too highly commend this Association as worthy of the notice and patronage of the benevolent among our citizens.

### CONCLUSION.

In summing up the results of the year just closed, I feel that I am justified in saying, that it has been a prosperous one for the Fire Department. Its condition has been improved, and an advance made in the tone and conduct of the men composing it. It will not be out of place here to express the cordial and hearty thanks of this Department, to the Temperance Union of Ladies who have so kindly furnished coffee and other refreshments to the men when on duty, and it is my opinion that the moral effect has been good, as it has certainly done away with the use of spirituous liquors at fires. It is doubtful if a course of lectures, or a series of temperance rallies would have produced a like result. The Board of Engineers have taken great pains to obtain correct information in regard to all matters that would tend to improve the condition and well being of the Department, and I believe that every member of the organization takes an honest pride in its success. It is our duty, as well as pleasure, to express in the strongest terms our admiration for the excellent conduct and the hearty support the officers and men have given this Board, and to bear testimony to the discipline and efficiency of the force. The citizens of Worcester are almost unanimous in praising the good conduct of the Department, and many who have seen its workings who are residents of distant cities, have concurred in this opinion.

We have in this report given details, recommendations and suggestions, and have endeavored in the briefest manner possible, to present to you all matters of importance for your consideration, it has been our aim to have the Department ready to meet any contingency that might arise, and doubtless

your Honorable Body will readily grant all that is necessary to keep the Department up to its present high state of efficiency.

#### ACKNOWLEDGMENTS.

I desire to express my personal acknowledgments to his Honor the Mayor, for his uniform courtesy and interest manifested by him in all matters connected with this Department. The City Marshal and Police officers, Mr. Frank E. Hall, water commissioner, and Charles H. Peck, superintendent of public buildings, will please accept the expression of my approbation for their valuable assistance and co-operation at fires, and the cordiality manifested towards me and the Department during the year.

I desire to express my sincere thanks to the members of the Standing Committee on Fire Department of the City Council, for their uniform courtesy, cordial support and hearty endorsement of all matters designed for the improvement of the Department.

I feel under deep obligation to the Honorable City Council for its support of the measures which I had the honor to recommend, as well as their earnest desire as far as possible to make the Department effective and fully equipped in every branch.

To the officers of the Fire Department, I can but express my hearty and sincere thanks.

Respectfully Submitted,

S. E. COMBS,

*Chief Engineer.*



## REVENUE OF THE DEPARTMENT.

Appropriation, . . . . .	\$43,000 00
Received for Labor of men and teams, . . . . .	987 82
“ “ Grain sold, . . . . .	33 24
“ “ Old hose and stove sold, . . . . .	82 11
“ “ Use of Steamer, . . . . .	51 50
“ “ Use of roof of Engine house, . . . . .	12 00
	<hr/>
	\$44,166 67

## EXPENDITURES.

For Salary of S. E. Coombs, Chief Engineer, . . . . .	\$1,200 00
“ Wm. Brophy, Assistant Engineer, . . . . .	1,000 00
“ J. W. Loring, “ “ . . . . .	200 00
“ Sam'l H. Day, “ “ and Clerk, . . . . .	250 00
“ G. N. Rawson, “ “ . . . . .	200 00
Pay Roll of men, Steamer No. 1, . . . . .	1,236 25
“ “ Steamer No. 2, . . . . .	1,055 00
“ “ Steamer No. 3, . . . . .	1,346 67
“ “ Steamer No. 4, . . . . .	1,295 00
“ “ City Hose No. 1, . . . . .	905 00
“ “ Ocean Hose No. 2, . . . . .	1,005 00
“ “ Eagle Hose No. 3, . . . . .	955 00
“ “ Niagara Hose No. 4, . . . . .	892 92
“ “ Yankee Hose No. 5, . . . . .	1,021 67
“ “ Tiger Hose No. 6, . . . . .	855 00
“ “ Protector Hose No. 7, . . . . .	855 00
“ “ Hook and Ladder No. 1, . . . . .	1,753 75
“ “ Hook and Ladder No. 2, . . . . .	1,301 67
“ “ Babcock Extinguisher, . . . . .	290 83
Services of Stewards and Drivers, . . . . .	6,369 47
New apparatus, . . . . .	3,772 23
Repairs of apparatus, . . . . .	1,532 90
Repairs of Houses, . . . . .	783 60
Alarms of fire, . . . . .	104 00
Materials for and repairing Telegraph, . . . . .	400 04
Hose, . . . . .	2,924 59
Hay, grain and straw, . . . . .	1,471 43
Horses for drawing apparatus, . . . . .	1,010 10
Harnesses, blankets and repairing same, . . . . .	215 12
Medicine and attendance for horses, . . . . .	24 00
Repairing wagons and carts, . . . . .	107 70
Oil, soap, brushes, &c., . . . . .	245 47
Belts, straps and badges, . . . . .	22 00
Fuel, . . . . .	580 83
Gas, . . . . .	438 61



Advertising, . . . . .	2 98
Printing, . . . . .	135 94
Blacksmithing, . . . . .	409 48
Freight and trucking, . . . . .	72 63
Furniture, fixtures and repairs of same, . . . . .	244 05
Washing of Bedding, . . . . .	262 93
Express, stamps, &c., . . . . .	81 38
Hardware and tools, . . . . .	119 80
Refreshments for Firemen, . . . . .	1 45
Stoves and fittings, . . . . .	279 97
Fire Alarm Indicator, . . . . .	125 00
Travelling expenses for purchase of apparatus, . . . . .	84 61
Hose, . . . . .	260 00
Labor at Adriatic Mills, . . . . .	10 00
Repairs of Engine House at New Worcester, . . . . .	969 04
Band of Music for parade, . . . . .	121 00
Ice, . . . . .	7 98
Automatic Fire Alarm, . . . . .	200 00
Damage to carriage, paid J. J. Powers, . . . . .	15 00
Lease of Telephones, . . . . .	45 00

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 \$41,070 09

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Balance unexpended, . . . . .	\$3,096 58
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## ALARMS OF FIRE, 1878.

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- Jan. 6, 1.34 A. M. Box 21. General Alarm at 1.40. In the rear of number 30 May street; a one story and Mansard roof barn. Owned and occupied by Elisha S. Knowles. Cause of fire unknown. Real estate insured, \$1,500; loss \$1,540. Personal estate insured, \$250; loss \$13. Engineers attending, Chief Combs; Assistants Brophy, Loring, Day and Rawson. Companies, Steamers 1, 2, 3, 4; Hose 1, 2, 3, 4, 5, 6, 7; Hook and Ladder 1, 2; the Extinguisher and Fire Patrol.
- Jan. 7, 8.15 P. M. Still Alarm. A two-story frame house, number 19 Harvard street, owned and occupied by Geo. S. Hoppin. Fire caused by a hot air pipe; extinguished by the Babcock Extinguisher. Real estate insured, \$5,000; loss \$150.
- Jan. 15, 5.48 P. M. Box 16. Number 54 Jackson street; a three and half story brick building, owned by Henry B. Hubbard; occupied by Cleveland Machine Co.; caused by drying lumber over the boiler. Real estate insured, \$14,500; loss \$100. Personal estate insured, \$20,000; no loss. Engineers attending, Chief Combs; Assistants Brophy and Day. Companies attending, Steamers 1, 2; Hose 3, 4, 5, 7; Hook and Ladder 1; Extinguisher and Fire Patrol.
- Jan. 18, 8.2 P. M. Box 37. Number 5 Goulding street; a new two-story frame house, owned by F. J. Smith; caused by drying plaster; no damage. There was no occasion for giving an alarm. Engineers attending, Chief Combs; Assistants Brophy and Rawson. Companies attending, Steamers 1, 2, 3; Hose 1, 3, 4, 6; Hook and Ladder 2; Extinguisher and Fire Patrol.
- Jan. 26, 2.58 A. M. Box 21. Number 888 Main street; new two-story brick house, owned by S. A. Colvin; fire originated from combustible materials under the basement stairs. Real estate insured, \$10,000; loss \$3,355.90. Engineers attending, Chief Combs. Companies attending, Steamers 2, 4; Hose 5, 6, 7; Hook and Ladder 1; Extinguisher and Fire Patrol.
- Jan. 26, 7.15 P. M. Still Alarm. Number 13 School street; a two-story frame house, owned by D. Hall; cause, defective chimney; extinguished by Chief Combs; loss trifling.
- Feb. 2, 6.8 P. M. Box 23. Number 190 Union street; a four story brick building; owned and occupied by Charles Baker & Co.; caused by a hot bearing. Real estate insured \$—; loss \$5. Personal estate insured, \$—; loss \$15. Engineers attending, Chief Combs; Assistants Brophy, Loring and Rawson. Companies attending, Steamers 1, 2, 3; Hose 1, 2, 3, 4, 6, 7; Hook and Ladder 1, 2; and Fire Patrol.
- Feb. 11, 3.26 A. M. Box 5. Number 13 Green street; a one and a half story frame building, owned by Thomas Britt and occupied by Ira Garland as a tea store. Real estate insured, \$500; loss \$285.32. Personal estate insured, \$400; loss \$200;

- cause, incendiary. Engineers attending, Chief Combs; Assistants Brophy and Day. Companies attending, Steamers 1, 2; Hose 2, 3, 5, 6, 7; Hook and Ladder 1 and Fire Patrol.
- Feb. 19, 2.25 A. M. Still Alarm. Number 202 Front street; a one story frame building; occupied as a barber shop; caused by a defective stove; fire extinguished by officers Fairbanks and Chandley; loss trifling.
- Feb. 22, 12.8 A. M. Box 43. A large charcoal shed in Quinsigamond village; owned by Washburn & Moen Manufacturing Co.; not insured; cause of fire, incendiary; loss \$1,000. Engineer attending, Chief Combs. Companies attending, Steamers 1, 2; Hose 7; Hook and Ladder 1 and the Fire Patrol.
- March 5, 8.21 A. M. Box 23. A two story frame house, rear of number 51 Bridge street; owned by Martin Hilday; caused by a defective flue; extinguished by the Fire Patrol. Insured, \$1,400; loss \$20. Engineers attending, Chief Combs; Assistants Brophy, Loring and Rawson. Companies attending, Steamers 1, 2, 3; Hose 1, 2, 3, 4; Hook and Ladder 1, 2; Extinguisher and Fire Patrol.
- March 8, 11.9 A. M. Box 41. A two story framed house, number 22 Arch street; owned by A. Harding, and occupied by Samuel Preston; caused by a defective chimney; extinguished by the Fire Patrol; loss trifling. Engineers attending, Chief Combs; Assistants Brophy, Loring and Rawson. Companies attending, Steamers 1, 2, 3; Hose 1, 2, 3, 4; Hook and Ladder 2; Extinguisher and Fire Patrol.
- March 10, 8.42 P. M. Box 64. A one and a half story house on Chrome street; owned and occupied by M. J. Burns; cause of fire, the breaking of a kerosene lamp; extinguished by the Fire Patrol. Real estate insured, \$350; loss \$35. Personal estate insured, \$150; loss \$25. Engineers attending, Chief Combs; Assistants Brophy and Rawson. Companies attending, Steamers 1, 2; Hose 2, 3, 7; Hook and Ladder 2; Extinguisher and Fire Patrol.
- March 22, 1.52 A. M. Box 17. A brick block, numbers 5, 7, 9 and 11 Exchange street; owned by Harrison Bliss and occupied by George Ulrich as a saloon and boarding house. Real estate insured, \$6,090; loss \$725. Personal estate insured, \$3,000; loss \$269.64; cause of fire, supposed incendiary. Engineers attending, Chief Combs; Assistants Brophy, Loring, Day and Rawson. Companies attending, Steamers 1, 2, 3; Hose 1, 3, 4, 5, 6; Hook and Ladder 1, 2; Extinguisher and Fire Patrol.
- March 22, 2 A. M. Still Alarm. The Union House in Cherry Valley; out of the fire limits; Steamer 4 attended this fire and Chief Combs.
- March 25, 7.52 A. M. Box 64. A one and a half story frame house, number 34 Mendon street; owned and occupied by James McGee; fire caused by rats getting at matches, as supposed. Real estate insured, \$1,000; loss \$88.50. Personal estate insured, \$200; loss \$5. Engineers attending, Chief Combs; Assistants Brophy, Loring and Rawson. Companies attending, Steamers 1, 2, 3; Hose 2, 3, 7; Hook and Ladder 1; Extinguisher and Fire Patrol.
- April 2, 7.45 P. M. Still Alarm. A three story frame building, numbers 79, 81, 83, 85 Main street; owned by Thomas K. Timony; the fire was caused by upsetting a kerosene lamp in number 83, a saloon occupied by Geo. H. Winchester; extinguished by the occupant; loss \$21.

- April 2, 10.45 P. M. Box 4. A one story frame building, number 31 Mechanic street; owned and occupied by Fred. M. Leach, as a liquor saloon; cause of fire, supposed incendiary. Real estate insured, \$1,000; loss \$84.77. Personal estate insured \$4,500; loss \$400. Engineers attending, Chief Combs; Assistants Brophy, Loring, Day and Rawson. Companies attending, Steamers 1, 3; Hose 1, 2, 3, 4, 5, 6, 7; Hook and Ladder 1; Extinguisher and Fire Patrol;
- April 9, 8 P. M. Still Alarm. Number 8 John street; house occupied by G. W. Mirick; caused by upsetting a kerosene lamp; extinguished by Foreman Wm. Flynn; no loss.
- April 10, 7.38 P. M. District Alarm, Station 432. A one story frame building; number 11 Green street; occupied as a store by John Moran; caused by the explosion of a kerosene lamp; no loss. Engineers attending, Brophy and Rawson. Companies attending, Steamer 1 and Fire Patrol.
- April 13, 11.50 P. M. Box 24. A one story frame building on Southbridge street; owned and occupied by N. S. Hale; cause, incendiary; extinguished by the Fire Patrol; loss \$10. Engineers attending, Chief Combs; and Day. Companies attending, Steamers 1, 2; Hose 3, 5, 7; Hook and Ladder 1; Extinguisher and Fire Patrol.
- April 17, 5.30 P. M. Still Alarm. A two story frame house on Bridge street; cause, defective chimney; extinguished by Chief Combs; loss slight.
- April 18, 8.12 P. M. Box 42. A one and a half story frame house at South Worcester; owned by N. S. Hale, and occupied by F. E. Hair; cause, incendiary. Real estate insured, \$400; loss \$100. Personal estate insured, \$500; loss \$100. Engineers attending, Chief Combs; Assistants Day and Rawson. Companies attending, Steamers 1, 2, 4; Hose 2, 5, 7; Hook and Ladder 1; Extinguisher and Fire Patrol.
- April 28, 9.58 P. M. Box 42. A two story frame house, number 10 Ann street; owned by L. Clark and occupied by Thomas Mulra and Patrick Ward; cause of fire unknown. Real estate insured, \$2,000; loss 110. Personal estate not insured; loss \$25. Engineers attending, Chief Combs; and Day. Companies attending, Steamers 1, 2, 4; Hose 2, 5, 7; Hook and Ladder 1; Extinguisher and Fire Patrol.
- April 26, 6.40 P. M. Still Alarm. Number 214 Main street; a clothing store occupied by Morris Cohen; caused by upsetting a lamp; extinguished by members of the Department. Personal estate insured, \$500; loss \$75.
- May 11, 4.25 P. M. Still Alarm. Number 26 Mechanic street; a three story frame and brick building, occupied by Eddy & Davis; cause of fire unknown; extinguished by the workmen; loss trifling. Company attending, Steamer 1.
- May —, 6 P. M. Still Alarm. A frame building at the Carpet Mill on Southbridge street; caused by a hot bearing; extinguished by the workmen; no loss.
- May 21, 6.5 P. M. Still Alarm. From the Junction Foundry; cause, sparks from the stack setting fire to the roof; extinguished by Steamer 2; loss trifling.
- May 22, 5.15 P. M. Still Alarm. From a two story frame house, number 79 Vine street; owned by J. S. Tenney; caused by children playing with matches. Real estate insured \$1,500; loss \$15. Extinguished by citizens. Company attending, Steamer 1.



- May 25, 12.58 A. M. Box 21. Numbers 5, 7, 8, 10 Allen street and 5 Mount Pleasant street; a two story frame house owned by Mrs. H. Fay and occupied by Mrs. Fay and C. A. Jones; the fire originated in an unfinished two story house owned by Arnold Kabley; cause incendiary. Real estate insured. \$20,700; loss \$1,564. Personal estate insured, \$300; loss \$80. Engineers attending, Chief Combs; Assistants Brophy, Loring, Day and Rawson. Companies attending, Steamers 2, 3, 4; Hose 1, 2, 4, 5, 6, 7; Hook and Ladder 1, 2; Extinguisher and Fire Patrol.
- May 27, 9.25 P. M. Still Alarm. A one and a half story frame house, number 1 Chandler street court; owned and occupied by D. H. Collins; cause of fire, rats and matches; extinguished by the neighbors. Insured, \$1,000; loss trifling.
- June 3, 3.5 A. M. Still Alarm. A carpenter's shop, rear of number 41 Waldo street; cause, incendiary; extinguished by officers Ranger and Sampson; no loss.
- June 6, 1.28 A. M. Box 41. Number 18 Shelby street; two story frame house; owned by W. S. White and occupied by E. H. Fanning and Mrs. A. W. Titus; cause of fire unknown. Real estate insured \$1,200; loss \$800. Personal estate insured, \$500; loss \$305.48. Engineers attending, Chief Combs; Assistants Brophy, Loring and Rawson. Companies attending, Steamers 1, 3; Hose 1, 2, 3, 4, 7; Hook and Ladder 2; Extinguisher and Fire Patrol.
- July 8, 11.40 A. M. Box 46. Number 38 Providence street; a two story frame house; caused by sparks from the Chimney; owned and occupied by R. G. White. Real estate insured, \$4,000; loss \$400. Personal estate, no insurance; loss \$50. Engineers attending, Chief Combs; Brophy and Rawson. Companies attending, Steamers 1, 2; Hose 2, 3, 4, 7; Hook and Ladder 2; Extinguisher and Fire Patrol.
- July 8, 10.40 P. M. Still Alarm. Heald and Brittan's foundry, number 96 Thomas street; caused by sparks from chimney; extinguished by the watchman; loss trifling.
- July 9, 11.15 A. M. Box 17. Numbers 317, 319, 321, 323, 325 Main street; a five story brick building; owned by the Worcester County Mechanics Association, and occupied by them, and James E. Browning & Co., millinery store; John S. Ballard, grocery store; Horace Sheldon & Co., dry goods, and Geo. R. Spurr, drug store; the fire originated in the basement of the drug store, from some cause unknown. Real estate insured, \$48,375; loss \$137,44. Personal estate insured, \$24,000; loss \$2,491.66. Engineers attending, Chief Combs; Assistants Brophy, Loring, Day and Rawson. Companies attending, Steamers 1, 2, 3; Hose 1, 3, 4, 5, 6; Hook and Ladder 1, 2; Extinguisher and Fire Patrol.
- July 10, 11.45 A. M. Still Alarm. Number 436 Main street; occupied for a saloon; fire caught in the kitchen, from the range; extinguished by the Fire Patrol.
- July 18, 5.40 P. M. District Alarm, Station 6. Number 16 Foundry street; a one story frame building; caused by sparks from a locomotive; extinguished by Steamer 1 and Fire Patrol. Engineer attending, Chief Combs; loss trifling.
- July 19, 2.29 A. M. Box 34. A two story brick house, number 7 Foyle street; owned by W. R. Wing, and occupied by Edward Houston and T. Sullivan; cause of fire unknown. Real estate insured \$1,000; loss \$90. Personal estate not insured; loss \$25. Engineers attending, Chief Combs; Assistants Brophy and Day. Companies attending, Steamers 1, 2; Hose 2, 3, 5, 7; Hook and Ladder 1; Extinguisher and Fire Patrol.

- July 24, 2.24 P. M. Box 5. A large coal shed on Gold street, owned and occupied by Wm. H. Jourdan; caused by sparks from a locomotive; no loss. No occasion for giving an alarm. Engineers attending, Chief Combs; Assistants Brophy and Day. Companies attending, Steamers 1, 2; Hose 2, 3, 5, 7; Hook and Ladder 1; Extinguisher and Fire Patrol.
- July 27, 4.10 A. M. Still Alarm. A one story frame barn, owned by Bridget Hern, on the Grafton road; cause of fire, incendiary; not insured; loss \$50. Out of the fire district.
- Aug. 4, 2.45 P. M. Still Alarm. A two story frame house, number 65 West street; owned and occupied by D. E. Denny; caused by lightning setting fire to the roof; extinguished by the occupants; loss very slight.
- Aug. 6, 9.48 P. M. Box 36. A two and a half story frame house, number 2 Mechanic street court; owned by Martin Cumicky; caused by upsetting a lamp; no loss. Engineers attending, Chief Combs; Assistants Brophy, Loring and Rawson. Companies attending, Steamers 1, 3; Hose 1, 2, 3, 4; Hook and Ladder 1; Extinguisher and Fire Patrol.
- Aug. 12, 8.29 A. M. Box 24. A two and a half story frame building on Southgate street; owned by Richard Sugden and occupied by Guild and Pickford as a dye house; cause of fire unknown. Real estate not insured; loss \$609. Personal estate insured, \$1,750; loss \$1,128. Engineers attending, Chief Combs; Assistants Brophy, Day and Rawson. Companies attending, Steamers 1, 2; Hose 6, 7; Hook and Ladder 1; Extinguisher and Fire Patrol.
- Aug. 15, 4.20 P. M. Still Alarm. A small frame barn in rear of number 103 Elm street; owned and occupied by T. F. Smith; cause of fire, incendiary. Extinguished by officer C. W. Barker; no loss.
- Aug. 16, 8.10 P. M. Still Alarm. Number 399 Main street; a drug store occupied by J. H. Hart; cause, gas setting the window netting on fire; no damage.
- Aug. 17, 8.6 P. M. Box 63. A four story brick building, corner of Cherry and Canal streets; owned and occupied by A. H. Dean; cause, chimney on fire; extinguished by the Extinguisher; no loss. Engineers attending, Chief Combs; Assistants Loring and Rawson. Companies attending, Steamers 1, 2; Hose 2, 3, 4, 5, 7; Hook and Ladder 1, 2; Extinguisher and Fire Patrol.
- Sept. 7, 4.25 A. M. Box 71. Number 38 Central street; cause, from an annealing furnace; no loss. Engineers attending, Chief Combs; Assistants Brophy, Loring, Day and Rawson. Companies attending, Steamers 1, 2, 3; Hose 1, 3, 4, 5, 6; Hook and Ladder 1, 2; Extinguisher and Fire Patrol.
- Sept. 8, 1.25 A. M. Box 34. A one and a half story frame, unoccupied house, in rear of number 12 Foyle street; cause of fire, incendiary; owned by Daniel B. Bradley. Real estate insured, \$500; loss \$80. Engineers attending, Chief Combs; Assistants Brophy, Day and Rawson. Companies attending, Steamers 1, 2; Hose 2, 3, 5, 7; Hook and Ladder 1; Extinguisher and Fire Patrol.
- Sept. 15, 10.50 P. M. Box 4. A four story and Mansard roof brick block; owned by George Crompton and occupied by various parties; cause of fire unknown. Real estate insured, \$70,000; loss \$375. Personal estate insured, \$64,000; no loss. Engineers attending, Chief Combs; Assistants Brophy, Loring, Day and Rawson. Companies attending, Steamers 1, 2, 3; Hose 1, 2, 3, 4, 5, 6, 7; Hook and Ladder 1; Extinguisher and Fire Patrol.



- Sept. 17, 4.20 P. M. Still Alarm. A two story frame building in Tatnuck; owned by A. L. Whitney, file manufacturer, and occupied by him and Geo. S. Hoppin for the manufacture of horse blankets; cause of fire unknown. Real estate insured, \$1,000; loss \$2,000. Personal estate insured, \$2,600; loss \$2,000. Engineers attending, Chief Combs; and Brophy. Companies attending, Steamer 1 and Fire Patrol.
- Sept. 18, 4.5 P. M. Still Alarm. Number 81 Mechanic street; small fire in A. M. Howe's shop; extinguished by Steamer 1; no damage.
- Sept. 18, 7.5 P. M. Box 24. The Episcopal Chapel on Southbridge street; cause, attempt to light the gas when the burners had been taken off the pipes; no damage. Engineers attending, Chief Combs; Assistants Brophy, Day and Rawson. Companies attending, Steamers 1, 2; Hose 3, 5, 7; Hook and Ladder 1; Extinguisher and Fire Patrol.
- Sept. 22, 8.5 P. M. Still Alarm. A one story frame building on Lamartine street; cause, by sparks from the chimney. Extinguished by Hose 7; no loss.
- Sept. 25, 8.4. Box 7. A two-story framed house, numbers 70 and 72 Lamartine street; owned by Thomas Hill and occupied by four tenants; cause, the upsetting of a lamp. Real estate insured, \$2,000; loss \$125. Personal estate not insured; loss \$25. Engineers attending, Chief Combs; Assistants Day and Loring. Companies attending, Steamers 1, 2; Hose 2, 3, 5, 7; Hook and Ladder 1; Extinguisher and Fire Patrol.
- Oct. 1, 10.40 A. M. Box 4. A one story frame building, number 85 Mechanic street; owned by A. M. Howe and occupied by J. W. Flynn as a paint shop; cause of fire, boiling over of a kettle of oil. Not insured; loss \$40. Engineers attending, Chief Combs; Assistants Brophy, Loring, Day and Rawson. Companies attending, Steamers 1, 3; Hose 1, 2, 3, 4, 5, 6, 7; Hook and Ladder 1; Extinguisher and Fire Patrol.
- Oct. 5, 10.48 P. M. Box 46. A two story six tenement house, number 16 Brown street; owned by Dean Town and occupied by four families; cause of fire unknown; no insurance; loss \$400. Engineers attending, Chief Combs and Rawson. Companies attending, Steamers 1, 2; Hose 2, 3, 4; Hook and Ladder 2; Extinguisher and Fire Patrol.
- Oct. 9, 8.15 P. M. Still Alarm. A large frame barn, number 5 Mill street; owned and occupied by A. G. Coes; cause of fire unknown; extinguished by officer Hagan; no damage.
- Oct. 11, 8.5 P. M. Still Alarm. A two story frame house, number 15 John street; owned and occupied by Geo. E. Merrick; cause, chimney on fire; extinguished by Foreman Flynn of the Extinguisher; no damage.
- Oct. 12, 8.29 A. M. Box 14. A two story six tenement frame house, in the rear of number 51 Union street; owned by James McCormick and occupied by tenants; cause of fire unknown. Real estate insured, \$2,100; loss \$150. Personal estate not insured; loss \$20. Engineers attending, Chief Combs; Assistants Brophy, Loring and Rawson. Companies attending, Steamers 1, 3; Hose 1, 2, 3, 4; Hook and Ladder 2; Extinguisher and Fire Patrol.
- Oct. 13, 3.40 P. M. Still Alarm. Caused by a chimney on fire in a two story frame house on East Worcester Street; extinguished by Chief Combs and Captain Williamson; no loss.

- Oct. 14, 9.58 P. M. Box 43. A large two story frame barn on Vernon street, Quinsigamond; owned and occupied by C. S. Ballard; fire supposed to be of incendiary origin. Real estate insured, \$1,500; loss \$4,000. Personal estate insured, \$3,000; loss \$2,500. Engineers attending, Chief Combs; Assistants Brophy, Loring, Day and Rawson. Companies attending, Steamers 1, 2; Hose 2, 7; Hook and Ladder 2 and Extinguisher.
- Oct. 18, 8.4 P. M. Box 37. A one story frame barn on North Ashland street; owned and occupied by Austin G. Grover; extinguished by the Extinguisher; loss trifling. Engineers attending, Chief Combs; Assistants Brophy and Rawson. Companies attending, Steamers 1, 2, 3; Hose 1, 3, 4, 6; Hook and Ladder 2; Extinguisher and Fire Patrol.
- Oct. 22, 2.55 P. M. Still Alarm. A one story frame barn on Lamartine street; caused by children playing with matches; extinguished by Hose 7; no loss.
- Oct. 22, 4.35 P. M. Box 43. A two story frame house and barn, on the old Millbury road; owned and occupied by Alfred Morse; the fire originated in the barn, from spontaneous combustion. Real estate insured, \$3,000; loss \$1,143.45. Personal estate not insured; loss \$1,500. Engineers attending, Chief Combs; and Brophy. Companies attending, Steamers 1, 2; Hose 2; Hook and Ladder 2; and Extinguisher.
- Oct. 23, 3.29 P. M. Still Alarm. The Exchange building, number 30 Main street; cause, burning of a chimney; no damage. Company attending, the Fire Patrol.
- Oct. 23, 2.40 A. M. Still Alarm. From Crompton's block on Mechanic street; cause, an open faucet allowed the water to drip down into the lower stories; the stock of goods of Childs & Smith was covered by the Patrol and a large amount of water damage was saved.
- Oct. 25, 8.5 P. M. Still Alarm. From a two story frame house, number 9 Salem street; owned and occupied by Mrs. J. S. Hill; cause, kerosene lamp exploded; loss trifling.
- Oct. 25, 10.10 P. M. Still Alarm. Caused by a fire in a closet in the Bay State House; caused from a kerosene lamp left carelessly; extinguished by Frank Douglass, for which credit is due; loss trifling.
- Nov. 9, 2.10 P. M. Still Alarm. From a four story brick building on Sargent street; owned and occupied by Rice & Griffin Manufacturing Company; caused by a spark from the furnace setting fire to the shaving bin; extinguished by the help; no loss.
- Nov. 10, 8.10 P. M. Still Alarm. Caused by upsetting a kerosene lamp in a frame house, number 65 East Worcester street, extinguished by the occupants; no loss.
- Nov. 14, 1.28 P. M. Still Alarm. From 446 Main street; a four story brick building; owned and occupied by S. R. Leland & Son; the fire originated in the fourth story, from a kerosene stove; extinguished by the Fire Patrol; loss trifling.
- Nov. 17, 6.44 P. M. Box 17. Numbers 364, 366, 368, 370, 372 374, Main street; a four story and Mansard roof brick building; owned by William Workman; a match thrown into a water closet, setting fire to some naptha carelessly thrown in there; loss \$20. Engineers attending, Chief Combs; Assistants Loring, Day and Rawson. Companies attending, Steamers 1, 2, 3; Hose 1, 3, 4, 5, 6; Hook and Ladder 1, 2; Extinguisher and Fire Patrol.

- Nov. 25, 1.44 A. M. Box 35. A two story frame house, number 48 Vernon street; owned and occupied by James W. Flynn; cause of fire, supposed incendiary. Real estate insured, \$2,000; loss \$1,500. Personal estate insured, \$700; loss \$400. Engineers attending, Chief Combs; and Rawson. Companies attending, Steamers 1, 2; Hose 2, 3, 6; Hook and Ladder 2; Extinguisher and Fire Patrol.
- Nov. 28, 12.55 P. M. Still Alarm. From the four story and Mansard roof, marble front building, number 408, 410, 412 Main Street; owned by E. A. Goodnow; fire originated on the fourth floor, occupied by C. F. Lawrence; caused from the boiler; extinguished by the Fire Patrol; loss \$25.
- Nov. 28, 8.45 P. M. Still Alarm. From number 8 Loudon street; a two story frame house; owned and occupied by J. A. Howland; caused from gas jet; extinguished by the occupants. Real estate insured, \$8,000; loss \$20. Personal estate insured, \$1,500; loss \$30.
- Dec. 6, 10.50 A. M. Box 53. A two story frame house, number 30 Harrison street; owned and occupied by M. R. Colvin; caused by using kerosene oil to kindle the fire. Real estate insured, \$2,900; Loss \$213.70. Personal estate insured, \$300; loss \$46. Engineers attending, Chief Combs; Assistants Brophy and Rawson. Companies attending, Steamers 1, 2; Hose 2, 3, 5, 6, 7; Hook and Ladder 2, Extinguisher and Fire Patrol.
- Dec. 19, 1.54 P. M. Box 65. Number 26 Cedar street; a two story Mansard roof house; owned and occupied by W. A. Williams; caused by a curtain taking fire from a gas jet. Real estate insured, \$6,000; loss \$100. Personal estate insured, \$2,000; loss \$160. Engineers attending, Chief Combs; Brophy and Rawson. Companies attending, Steamers 1, 2; Hose 3, 4, 6; Hook and Ladder 2; Extinguisher and Fire Patrol.
- Dec. 21, 8.16 A. M. Box 45. A two story frame house number 94 Shrewsbury street; owned and occupied by Mrs. Mary Higgins; caused by a defective chimney. Real estate insured, \$300; loss \$20. Personal estate not insured. Engineers attending, Chief Combs; Assistants Brophy, Loring and Rawson. Companies attending, Steamers 1, 2, 3; Hose 1, 2, 4; Hook and Ladder 2; Extinguisher and Fire Patrol.
- Dec. 21, 7.20 P. M. Box 4. Numbers 573, 575 Main street; a three story frame building; owned by Wm. H. Dexter; fire originated on the third floor in a water closet; cause, spontaneous combustion. Real estate insured, \$4,000; loss \$35. Personal estate insured, \$3,150; no claim made. Engineers attending, Chief Combs; Assistants Brophy, Loring, Day and Rawson. Companies attending, Steamers 1, 2, 3; Hose 1, 2, 3, 4, 5, 6; Hook and Ladder 1; Extinguisher and Fire Patrol.
- Dec. 24, 5.41 P. M. District Alarm, Station 76. Numbers 118, 120, 122 Front street; a four story brick building; owned by Chas. H. Prentice; fire originated from a gas jet in the window. Real estate insured, \$12,500; loss \$100. Personal estate insured, \$3,500; loss \$160. Engineers attending, Chief Combs; and Brophy. Companies attending, Steamer 1 and Fire Patrol.
- Dec. 26, 7.25 P. M. Still Alarm. From a three story brick block, numbers 263, 265, 267 Main street; cause, the explosion of a kerosene lamp, in the tenement occupied by E. D. Ruggles; loss \$9.
- Dec. 31, 7.5 P. M. Still Alarm. From number 16 Irving street; cause, chimney fire; extinguished by the Fire Patrol.

BOARD OF ENGINEERS

—OF THE—

CITY OF WORCESTER,

FOR 1879.

OFFICE, No. 80 FRONT STREET.

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CHIEF ENGINEER.

SIMON E. COMBS.

Age 52.   -   -   Residence, 17 School Street.   -   -   No. of Badge, 1.

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1st Assistant, WILLIAM BROPHY.

Age 42.   -   -   Residence, 18 Wilmot Street.   -   -   No. of Badge, 2.

2d Assistant, J. W. LORING.

Age 48.   -   -   Residence, 45 Prospect Street.   -   -   No. of Badge, 3.

3d Assistant and Clerk, SAMUEL H. DAY.

Age 41.   -   -   Residence, 46 Hermon Street.   -   -   No. of Badge, 4.

4th Assistant, G. N. RAWSON.

Age 42.   -   -   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. LAPHAM.

SENECA M. RICHARDSON.

COUNCILMEN.

FREDERIC W. WARD.

FRANCIS PLUNKETT.

SAMUEL A. PORTER.

## STEAMERS.

## 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, 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.

The inventory of property in charge of this company, including one-half of the engine house, lot, horses and equipments, is \$20,000.00.

## MEMBERS.

	Names.	Age.	Residence.	No. of Badge.
Foreman and } Permanent, }	Chas. Allen,	33.	Bigelow Court,	6.
Assistant,	E. L. Vaughn,	35.	Orange street,	7.
Clerk,	D. P. Allen,	24.	Engine House,	8.
Engineer,	Wm. R. Shaw,	34.	Salem street,	9.
Asst. Engin'r,	James D. Shaw,	37.	Orange street,	10.
	Geo. B. Sampson,	29.	Church street,	11.
	Eli Clements,	44.	Washington street,	12.
	Frank Hoyle,	38.	Ash street,	13.
	Geo. W. Carr,	25.	Engine House,	14.
	J. W. Bush,	24.	" "	15.
Driver,	James K. Laffin,	29.	" "	



## 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 is one of the finest pieces of mechanism in a steam fire engine that we have in this City, if not in the State. 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. 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.

The inventory of property in charge of this company including engine house, lot, horses and equipments, is \$18,500.00.

## MEMBERS.

	Names.	Age.	Residence.	No. of Badge.
Foreman,	M. C. Viall,	33.	Jackson street,	16.
Asst. "	G. W. Anthony,	35.	Engine House,	17.
Clerk,	Wm. C. Wallace,	26.	Jackson street,	18.
Engineer, permanent,	Carl E. Noyes, }	35.	Engine House,	19.
Asst. "				
	A. W. McKeeby,	27.	Engine House,	20.
	E. P. Taft,	34.	Austin street,	21.
	O. H. Wallace,	36.	Harris street,	22.
	Louis Greenough,	25.	Engine House,	23.
	John Wheaton,	26.	Main street,	24.
	Chas. McKnight,	29.	Beacon street,	25.
Driver,	Chas. Shippee,	29.	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 1½ inches diameter and 16 inches long; weight when drawn to a 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; 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.

The inventory of property in charge of this company, including one-half of the engine house, horse and equipments, is \$13,000.

## MEMBERS.

	Names.	Age.	Residence.	No. of Badge.
Foreman,	Chas. M. Mills,	28.	Grove street,	26.
Asst. "	Frank Roberts,	22.	Engine House,	27.
Clerk,	Geo. W. Leavens,	23.	Engine House,	28.
Engineer,	A. Burlingame,	37.	Fountain street,	29.
Asst. "	Geo. P. Blake,	36.	Shelby street,	30.
	Wm. D. Luchay	26.	Belmont street,	31.
	Geo. E. Libbey,	24.	School street,	32.
	Alvin W. Prouty,	24.	Engine House,	35.
	George Liberty,	39.	School street,	34.
	Wm A. Rand,	35.	Prospect street,	33.
Permanent, Driver,	Jas. F. Adams,	23.	Engine House,	

## 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. Inventory of property in charge of this company, including engine house and lot, and equipments, is \$6,650.

## MEMBERS.

	Names.	Age.	Residence.	No. of Badge.
Foreman,	Geo. W. Dickinson,	33.	Leicester street,	36.
Asst. "	Fred. A. Thomas,	35.	Tirrell street,	37.
Clerk,	L. A. Whitcomb,	37.	Main street,	38.
Engineer,	Chas. S. Bottomly,	41.	Webster street,	39.
Asst. "	John Jaques,	33.	Webster street,	40.
	Joseph Brusio, Jr.	34.	Cambridge street,	41.
	Oney Dickinson,	23.	Leicester street,	42.
	Uriah D. Rose,	35.	Newton street,	44.
	Wm. Hoyle,	50.	Webster street,	45.
	Frank L. Jenks,	29.	Buffum street,	43.

## HOSE COMPANIES.

## CITY 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; 4 men occupy beds in the house. Company allowed 8 men. Inventory of property in charge of this company, including one-half of the engine house and lot, and equipments, \$6,250.00.

## MEMBERS.

	Names.	Age.	Residence.	No. of Badge.
Foreman,	Geo. L. Robbins,	22.	Hose House,	46.
Asst. "	Geo. Hartwell,	26.	Hose House,	47.
Clerk,	James W. Robbins,	26.	Thomas street,	48.

Names.	Age.	Residence.	No. of Badge.
Chas. E. Lovejoy,	28.	Grove street,	51.
Chas. Chew,	34.	Grove street,	53.
Dennis Carpenter,	25.	Hose House,	50.
Alvah C. Newcomb,	24.	Hose House,	55.
Alfred L. Barnes,	26.	Highland street,	52.

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## OCEAN HOSE, No. 2.

Located on Bloomingdale street. This is a four-wheeled carriage, built by Albert Tolman & Co., of Worcester, in 1857, carrying 500 feet of hose. This carriage has been rebuilt the last season, at an expense of \$300. It is drawn by hire. Two men occupy beds in the house. The Company allowed 8 men. Inventory of property in charge of this Company, including engine house and equipments, \$2,000.00.

## MEMBERS.

	Names.	Age.	Residence.	No. of Badge.
Foreman,	David Boland,	36.	Jefferson street,	56.
Asst. "	J. H. Madden,	29.	Grafton street,	57.
Clerk,	R. O'Donnell,	32.	Ledge street,	58.
	Thos. Mara,	32.	" "	63.
	Wm. Garey,	36.	" "	60.
	Thos. McDermott,	37.	Fremont street,	65.
	John O'Keefe,	28.	" "	59.
	James Keegan,	39.	Chandler street,	62.

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## 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. Inventory of property in charge of this Company, including engine house, lot and equipments, \$5,300.00.

## MEMBERS.

	Names.	Age.	Residence.	No. of Badge.
Foreman,	Edward J. Fogerty,	35.	Vine street,	66.
Asst. "	James J. Lavens,	28.	Bartlett place,	67.
Clerk,	A. F. Nealey,	23.	Harrison street,	68.
	Wm. E. Smith,	26.	Hose House,	69.
	Maurice Hacker,	34.	Mechanic street,	71.
	Frank T. Williams,	25.	Hose House,	72.
	Henry A. Allen,	26.	Salem street,	70.
	Wm. Wheelock,	33.	Hose House,	73.

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## 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. Inventory of property in charge of this Company, including engine house; lot and equipments, \$6,800.00.

## MEMBERS.

	Names.	Age.	Residence.	No. of Badge.
Foreman,	C. A. Humes,	29.	Thomas street,	76.
Asst. "	E. L. Fuller,	22.	Hose House,	77.
Clerk,	E. S. Crowell,	21.	" "	78.
	Geo. Jennison,	43.	Lynn street,	85.
	J. W. Woodward,	47.	Sudbury street,	81.
	J. C. Gilbert,	23.	Hose House,	80.
	S. T. Newton,	25.	Thomas street,	89.
	S. McCawcliff,	20.	Hose House,	84.

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## 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. Inventory of property in charge of this Company, \$7,200.00.

## MEMBERS.

	Names.	Age.	Residence.	No. of Badge.
Foreman,	Joseph Bolio,	44.	Main street,	87.
Asst. "	Geo. H. Sawin,	30.	Southbridge street,	88.
Clerk,	Wm. E. Lewis,	28.	" "	89.
	A. T. Kittridge,	40.	Myrtle street,	92.
	John W. Burgess,	24.	Hose House,	93.
	Cliff O. Lamb,	22.	" "	94.
	Chas. M. Young,	23.	" "	95.
	Samuel F. Shepherd,	28.	" "	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, 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. Inventory of property in charge of this Company, including house and lot, horse and equipments, \$15,100.00.

## MEMBERS.

	Names.	Age.	Residence.	No. of Badge.
Foreman,	George S. Coleman,	37.	Clinton street,	97.
Asst. "	Geo. D. Ballou,	33.	Winslow street,	98.
Clerk,	R. L. Jewell,	33.	Engine House,	99.
	Geo. W. Smith,	24.	Pleasant street,	100.
	E. D. Burbank,	24.	Pleasant street,	101.
	John E. Guilfoyle,	24.	Engine House,	102.
	Edward W. Hayes,	24.	Engine House,	103.
	John M. Champlin,	32.	Fruit Street,	104.
Driver,	F. F. Burbank,	27.	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, 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; it has been thoroughly repaired. Inventory of property in charge of this company, including engine house, lot, and equipments, is \$18,000.00.

## MEMBERS.

	Names.	Age.	Residence.	No. of Badge.
Foreman,	J. H. Riley,	26.	Engine House,	106.
Asst. "	Wm. A. Adams,	25.	Engine House,	107.
Clerk,	Wm. J. Shaw,	22.	Engine House,	108.
	S. T. Coe,	36.	Main street,	109.
	Wm. Marah,	24.	Lodi street,	110.
	M. A. Brady,	38.	Lunell street,	111.
	K. G. Kendall,	39.	Washington street,	112.
	John Madden,	30.	Ward street,	113.
Driver,	T. J. Sullivan,	25.	Engine House,	114.

## MOUNT VERNON HOSE, No. 8.

This Company is located on Catharine street. The house was built by members of the Company. The City furnished them with a four-wheeled Hose Carriage and 500 feet of hose. Company, when full, 12 men. Inventory of property in charge of this Company, \$600.00.

## MEMBERS.

Foreman,	J. H. Townsend,	George Ellis,
Asst "	Geo. E. Ward,	Robert Nye,
Clerk,	Henry J. Allen,	Samuel Holman,
	Edward F. Tolman,	George Goddard,
	Geo. L. Allen,	Wm. Ross.
	Henry Robinson,	



## INDEPENDENT HOSE COMPANY, No. 9.

OF COES SQUARE.

Inventory of property, \$450.00.

## 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. Shardono,
	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. Inventory of property in charge of this Company, including engine house and lot, horse and equipments, \$9,000.00.

## MEMBERS.

	Names.	Age.	Residence.	No. of Badge.
Foreman and Driver,	William Flynn,	35.	Engine House,	146.
	William E. Barton,	27.	Market street,	147.
	Fred. Livingston,	19.	Engine House,	148.
	H. A. Stiles,	22.	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. Inventory of property in charge of this company, including one-half of the engine house and lot, horses and equipments, \$15,000.00.

#### MEMBERS.

	Names.	Age.	Residence.	No. of Badge.
Foreman,	J. S. Perkins,	37.	Main street,	130.
Asst. "	E. L. Sibley,	30.	Ash street,	131.
Clerk,	Geo. H. Scott,	27.	Central street,	132.
	P. M. Church,	38.	Harrison street,	145.
	Geo. L. Esty,	30.	Hook and Ladder House,	142.
	R. R. Burr,	29.	Washington street,	140.
	Albert Young,	35.	Grove street,	138.
	W. H. Whitman,	31.	Hanover street,	135.
	John L. Rock,	32.	Mechanic street,	136.
	Henry M. Sorrell,	37.	Park street,	137.
	George E. Phelps,	33.	Denny street,	139.
	A. A. Shepardson,	31.	School street,	134.
	Perry Bullard,	35.	Church street,	141.
	J. J. Donelson,	27.	Hook & Ladder House,	138.
	A. C. Aldrich,	28.	Carroll street,	143.
	B. A. Drake,	37.	Harrison street,	144.
	Jas. E. Kennington,	25.	Hook & Ladder House,	146.
Driver,	Albert A. Jones,	29.	Hook & Ladder House,	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. Inventory of property in charge of this Company, including house, lot and equipments, \$7,800.00.

## MEMBERS.

	Names.	Age.	Residence.	No. of Badge.
Foreman,	Jeremiah Hennessy,	35.	Summer street,	148.
Asst. "	Jas. P. Murphy,	27.	Pink street,	149.
Clerk,	John O'Connell,	30.	Summer street,	151.
	John Chaplin,	47.	Thomas street,	153.
	John P. Fay,	29.	Exchange street,	157.
	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.

## 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. Inventory of property in charge of this Company, horses, wagons and equipments, \$4,500.00.

## MEMBERS.

*Permanent.*

	Names.	Age.	Residence.
Captain,	Hiram Williamson,	33.	House.
	Frank W. Buxton,	23.	House.
	Alfred Lavene,	22.	House.
	William Adams,	22.	House.

*Call Men.*

	James C. Luby,	35.	House.
	John Yatter,	28.	House.
	Harrison W. Johnson,	24.	House.
	Elbridge C. Kibbe,	25.	House.

INVENTORY OF PROPERTY IN POSSESSION OF THE ENTIRE  
DEPARTMENT, JANUARY 1, 1878.

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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,	- -	2,000 00
Hose No. 3.	Engine house lot, and equipments,	- -	5,300 00
Hose <del>5</del> No. 4. <del>5</del>	Engine house lot, and equipments,	- -	6,800 00
Hose No. 5.	Engine house, lot and equipments,	- -	7,200 00
Hose <del>6</del> 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,	-		26,000 00
Engineer's Office and Storerooms,	- - - -	-	1,500 00
			\$179,150 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	H	....	....	2	3	....	5	....	7	1	....	....	....	3	..
6	H	H	H	....	....	2	3	....	5	....	7	1	....	....	....	3	..
7	H	H	H	....	....	2	....	....	5	....	7	1	....	....	....	3	..
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
21	H	2	....	4	....	....	....	....	....	6	....	1	....	....	....	3	..
23	1	H	3	....	....	....	3	4	....	....	....	1	2	1	2	....	4
24	H	2	....	....	....	....	....	....	5	....	7	1	....	....	2	3	..
25	1	H	3	....	1	....	....	4	....	6	....	....	2	1	....	....	4
26	1	H	H	....	....	....	3	....	5	....	7	1	....	1	2	3	4
27	1	H	3	....	....	....	3	....	....	6	....	....	2	1	2	....	....
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	....
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	....	....	1	....	....	4	....	6	....	1	2	1	2	....	4
75	H	2	....	4	....	....	....	....	5	6	7	1	....	....	2	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 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.

S. E. COMBS, *Chief Engineer*,

OFFICE, No. 80 FRONT ST.

Worcester, October, 1878.



ENGINEERS AND COMPANIES ATTENDING AT FIRES AND ALARMS DURING THE YEAR 1878.	January.		February.		March.		April.		May.		June.		July.		August.		September.		October.		November.		December.		Total.
	Box.	Still.	Box.	Still.	Box.	Still.	Box.	Still.	Box.	Still.	Box.	Still.	Box.	Still.	Box.	Still.	Box.	Still.	Box.	Still.	Box.	Still.	Box.	Still.	
S. E. Combs, <i>Chief</i> .....	5	1	3	2	5	2	4	2	1	1	1	1	4	1	1	1	5	2	6	1	2	1	4	2	52
William Brophy.....	4	..	2	1	5	1	1	1	1	1	1	..	4	..	2	..	4	1	5	..	4	1	4	1	36
John W. Loring.....	2	..	1	1	4	1	1	1	1	1	1	..	1	..	1	..	3	..	3	..	2	..	2	..	22
S. H. Day.....	3	..	1	1	1	1	4	1	1	..	..	..	3	..	1	..	5	..	5	..	1	..	1	..	22
G. N. Rawson.....	3	..	1	1	1	1	2	1	1	1	1	..	2	..	2	..	4	..	2	..	2	..	4	..	34
Steamer No. 1.....	4	..	3	1	5	4	4	1	1	1	1	..	4	1	1	1	1	6	6	2	2	4	1	4	47
Steamer No. 2.....	5	..	3	3	5	3	3	..	1	1	1	..	1	..	1	..	5	..	3	..	2	..	4	..	40
Steamer No. 3.....	3	..	1	1	4	1	1	1	1	1	1	..	4	..	2	..	2	..	3	..	1	..	2	..	22
Steamer No. 4.....	2	..	..	..	..	2	1	..	1	..	..	..	..	..	..	..	2	..	3	..	1	..	..	..	6
Hose Company No. 1.....	3	..	1	1	3	1	1	1	1	1	1	..	1	..	1	..	2	..	3	..	1	..	2	..	20
Hose Company No. 2.....	2	..	2	1	4	3	1	..	1	1	1	..	3	..	2	..	5	..	5	..	2	..	3	..	30
Hose Company No. 3.....	3	..	2	1	3	2	2	..	1	1	1	..	3	..	2	..	3	..	4	..	2	..	3	..	33
Hose Company No. 4.....	4	..	1	1	1	1	1	..	1	1	1	..	2	..	2	..	2	..	4	..	1	..	3	..	25
Hose Company No. 5.....	3	..	1	1	1	1	1	..	1	1	1	..	3	..	1	..	5	..	1	..	1	..	2	..	23
Hose Company No. 6.....	4	..	2	1	1	1	4	1	1	1	1	..	1	..	1	..	2	..	1	..	2	..	3	..	20
Hose Company No. 7.....	4	..	3	1	2	1	1	..	1	1	1	..	1	..	2	..	4	..	2	1	2	..	1	..	30
Hose Company No. 8.....	..	..	..	..	..	..	..	..	..	..	..	..	3	..	..	..	..	..	..	..	..	..	..	..	0
Hose Company No. 9.....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	0
Hook and Ladder No. 1.....	3	..	3	3	..	4	..	..	1	1	1	..	3	..	3	..	5	..	1	..	1	..	1	..	28
Hook and Ladder No. 2.....	3	..	2	1	1	1	1	..	1	1	1	..	2	..	1	..	1	..	6	1	2	..	4	..	26
Extinguisher No. 1.....	5	2	..	5	5	4	4	..	1	1	1	..	4	..	3	..	5	..	6	1	2	..	4	..	43
Fire Patrol.....	5	..	3	1	5	4	4	1	1	1	1	..	4	1	1	1	5	..	5	2	2	3	4	2	53

# RULES AND REGULATIONS

FOR THE GOVERNMENT OF THE

## Worcester Fire Department.

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ENGINEER'S OFFICE, }  
WORCESTER, January 25th, 1875. }

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 willfully 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 Sunday 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*.

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 office.
- No. 5. *Trumbull Square*. Keys—McConville's Drug Store; S. D. Harrington's, Nos. 7 and 8, Gates' Block.
- No. 6. *Orange Street, opposite Plymouth*. Key—S. V. Stone's, corner Orange and Plymouth Streets.
- No. 7. *Engine House, Lamartine Street*. Key—Cunningham's Store.
- No. 12. *Corner Main and Chandler Streets*. Keys—Alzirus Brown's, corner Main and Madison Streets; J. W. Hall's, Chandler Street.
- No. 13. *New Worcester*. Hoppin's Store. Keys—A. G. Coes' Counting Room; W. A. Tracey's; Hoppin's Store.
- No. 14. *Engine House, School Street*. Keys—N. A. Lombard's Counting Room; S. E. Combs', 17 School Street.
- No. 15. *Corner Lincoln and Catherine Streets*. Keys—George G. Burbank's residence; A. Y. Thompson's residence.
- No. 16. *Southbridge Street*. Sargent Card Shop. Keys—Sargent's Counting Room; Junction Shop Engine Room.
- No. 17. *Corner Main and Foster Streets*. Keys—J. P. Weixler's Store; Waldo House; Foster Street Station; Lincoln House.
- No. 21. *Corner Main and May Streets*. Keys—C. Hill's residence, 7 Hammond Street; F. B. Knowles' residence, 842 Main Street.
- No. 23. *Corner Union and Manchester Streets*. Keys—Rice, Barton & Fales' Office; C. Baker & Co.'s Office.
- No. 24. *Southbridge Street*. Chandler & Carr's Store. Keys—Chandler & Carr's Store; Adriatic Counting Room.
- No. 25. *Salisbury Street*. Keys—Witherby, Rugg & Richardson's Counting Room; Henry Glazier's residence, Concord Street.
- No. 26. *Corner Portland and Madison Streets*. Keys—Dr. Buxton's Office, Portland Street.
- No. 27. *Corner Pleasant and West Streets*. Keys—C. G. Parker's Store; Gerry Hutchinson's.
- No. 31. *Corner Main and Richards Streets, opposite Beaver*. Keys—E. T. Marble's, Beaver Street; H. J. Howland's, 973 Main Street.
- No. 32. *Corner Exchange and Union Streets*. Keys—D. W. Pond's Shop; Merrifield's Engine Room.



No. 34. *Green Street.* Fox's Mill. Keys—At the Counting Room; Crompton's Loom Works.

No. 35. *Corner of Winthrop and Vernon Streets.* Key—Thomas Doon's.

No. 36. *Corner Front and Spring Streets.* Keys—J. G. Lawton's; George Sessions'.

No. 37. *Corner Highland and North Ashland Streets.* Key—Charles E. Keyes', corner North Ashland and Highland Streets.

No. 41. *Corner Thomas and Summer Streets.* Keys—Dutton & Austin's store; W. F. Wheeler's Counting Room.

No. 42. *Corner Cambridge and Southbridge Streets.* Keys—E. J. Forbush's, 504 Southbridge Street; Crompton's Carpet Mill.

No. 43. *Quinsigamond Wire Mill.* Key—At Counting Room.

No. 45. *Corner Shrewsbury and Cross Streets.* Key—Lawrence Henry's Store.

No. 46. *Grafton Street.* Earle's Card Factory. Keys—Earle's Counting Room; Office, Rolling Mill; Washburn's Foundry.

No. 47. *Corner Belmont Street and Oak Avenue.* Key—H. Rice's, corner Belmont and Liberty Streets.

No. 51. *Lincoln Square.* Salisbury Block. Keys—Harrington & Allen's Store; Exchange Hotel.

No. 52. *Prescott Street.* A. P. Richardson's Shop. Keys—At Counting Room; Warren Thread Co.'s Office; Ames Plow Co.'s Office.

No. 53. *Corner Providence and Harrison Streets.* Keys—S. A. Arnold's; James McFarland's.

No. 54. *Corner Austin and Newbury Streets.* Keys—S. N. Curtis' Store; E. A. Morse's, 111 Austin Street; A. G. Walker's, 130 Austin Street.

No. 56. *Corner William and Chestnut Streets.* Keys—Benj. Walker's; Gen. A. B. R. Sprague's.

No. 57. *Hermon Street.* Taylor & Farley's Shop. Keys—Taylor & Farley's; J. S. Wheeler & Co.'s.

No. 61. *Gardner Street.* Tainter's Shop. Keys—At Office; John Mahoney's Store, Canterbury Street.

No. 62. *Corner Laurel and Edward Streets.* Keys—J. D. Baker's stable; Thomas Baird's.

No. 63. *Washington Square.* Weatherbee's Store. Keys—Weatherbee's Drug Store; B. & A. R. R. Station.

No. 64. *Corner Grafton and Barclay Streets.* Keys—Smith & Crockett's Store.

No. 65. *Elm Street, opposite Linden.* Keys—P. C. Bacon's; Joseph Mason's residence.

No. 67. *Engine House, Pleasant Street.* Keys—Benjamin Eames' Store; Jalaam Gates' residence,

No. 71. *Corner Main and Central Streets.* Keys—Charles B. Fellman's; Augustus Marrs' Store; Bay State House.

No. 73. Washburn & Moen Manufacturing Co.

No. 75. *Corner of Woodland and May Streets.* Keys—Elisha Knowles', 30 May Street; John R. Hill's, 81 Woodland Street.

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 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 will 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.*

# REPORT

## OF THE

# CITY MARSHAL.

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CITY MARSHAL'S OFFICE.

WORCESTER, MASS., Dec. 1st, 1878.

*To the Honorable the Mayor, and City Council of the City of  
Worcester :*

GENTLEMEN :—I herewith have the honor of submitting for your consideration the doings of the Police Department, for the fourth quarter of the present year, together with a summary of the business for the entire year.

The number of arrests for the quarter, are	497
No. of Commitments,	203
“ Tramps,	896

The gross expenses of the department for the quarter,	
was	\$11,224 89

Earnings and receipts for the same time,	\$1,304 29.
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The whole number of arrests for the year were one thousand eight hundred and eight, (1808) divided as follows :

Males,	1,598	Residents,	1,333
Females,	210	Non-residents,	475
Americans,	624	Adults,	1,536
Foreigners,	1,184	Minors,	272

The number of tramps that have been fed and sheltered at the Station-house during the year, is 4,374, being six hundred and sixty-five less than in 1877; making the total of prisoners and lodgers for the year, 6,182

Of the arrests made, there were for

Assault and battery,	153	Horse stealing,	2
Assault on officer,	14	Indecent language in public streets,	5
Assault with dangerous weapon,	5	Indecent exposure of person,	1
Assault with intent to kill,	4	Indecent assault,	1
Adultery,	12	Incest,	1
Attempt to commit rape,	2	Keeping unlicensed dog,	52
Assuming to be an officer,	1	Keeping liquor, etc.,	27
Arson,	1	Keeping house of ill-fame,	3
Breaking and entering with intent to steal,	17	Keeping noisy and disorderly house,	2
Breaking glass,	14	Larceny,	119
Bastardy,	13	Larceny from building,	9
Burglary,	7	Larceny from person,	8
Bigamy,	1	Liquor nuisance,	6
Common drunkards,	48	Lewd and lascivious cohabitation,	5
Capias,	17	Loafing about theatre,	2
Common railers and brawlers,	8	Malicious mischief,	2
Common nuisance,	8	Neglect of family,	6
Common night walkers,	3	Present at game on Lord's day,	7
Cruelty to animals,	3	Present at dog-fight,	3
Contempt of court,	2	Peddling without license,	3
Drunkenness,	841	Picking pockets,	5
"    second offence,	115	Run away from home,	5
Disturbing the peace,	73	Run away from State reform school,	3
Doing business on Lord's day,	12	Run away from State primary school,	3
Driving away teams,	10	Run away from insane hospital,	1
Defrauding boarding- houses,	8	Rape,	3
Disorderly persons,	4	Reckless driving,	2
Disturbing meeting,	1	Stubborn and disobedient,	9
Defacing building,	1	Suspicious person,	1
Defrauding hotel,	1	Surrendered by bail,	1
Delerium tremens,	1	Truants,	15
Embezzlement,	9	Trespass,	2
Evading railroad fare,	2	Threatening,	1
Fornication,	16	Vagrancy,	31
False pretence,	4	Violation of city ordinances,	25
Fast driving,	1	Walking on railroad,	3
Gaming,	1		
Highway robbery,	2	Total,	1808

Nationalities are here represented as follows :

Irish,	1036	Sweedee,	4
American,	508	Nova Scotia,	3
American (colored)	54	Wales,	2
Canadian,	93	Poland,	1
English,	53	Russia,	1
German,	20	France,	1
Scotland,	17	Spain,	1
Italian,	14		

Of this number 851 were reported married, and 957 single.

The amount of property found on prisoners when arrested, was	\$6,352 60
Number discharged without complaint,	19
Number committed to House of Correction and other reformatory institutions,	758
Number of warrants served to search for liquors,	30

The year's expense of the department for the year, amounts to \$45,724 72, specified as follows, viz :

Salary of Marshal and Assistants,	\$3,900 00
Pay-roll of Police,	39,263 89
Paid on account of horses for Mounted Patrol,	1,081 32
for cloth and buttons,	484 14
care of offices,	270 00
Blank-books, printing and advertising,	158 17
Telegrams, postage, etc., as per bills in Auditor's office,	117 06
Special Police, (N. E. Fair)	135 00
Geo. Tower, board of State Detectives, (N. E. Fair)	122 41
L. B. Stone, Omnibus hire, (N. E. Fair)	15 00
J. F. Kettell, repairing hats,	55 75
E. J. Leland & M. Carter, photographing rogues,	13 50
J. D. Chollar, chair,	13 50
Mrs. Butler, washing,	12 96
B. Walker & Co., ice,	12 96
For horse and hack hire,	10 25
Map of Worcester,	10 00
Brace & Lathrop, bug poison,	10 00
H. W. Denny & Co., repairing chairs,	9 27
Div. No. 42, soap, matches, etc.,	9 11
Clark, Sawyer & Co., cuspadores and lanterns,	7 34
H. Griffin (Auditor) stationery,	6 04
J. B. Brooks & Co. saw-dust,	3 05
H. H. Ames, repairing mattresses,	3 00
D. A. A. Buck, repairing clock,	1 00

Total,

\$45,724 22

The receipts and earnings for the same time, amount to \$47,582 18, viz :

Appropriations,	\$42,090 00
Officers fees from Central District Court in 1877,	5,010 10
Received for cloth,	479 58
Received for extra services of officers,	87,50
Received for old junk,	3 00
Received for use of Lock-up,	2 00
	<hr/>
	\$47,582 18

Balance on hand December 1st, 1878,	\$1,857 42
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Making net cost of department for the year,	\$34,560 40
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The earnings of the officers in the Central District Court, during the present year amounts to	\$4,857 82
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No part of this has been received, but will appear as revenue in 1879.

Of the miscellaneous duties performed, there has been reported—

Accidents,	-	-	-	-	-	-	-	-	61
Burglaries,	-	-	-	-	-	-	-	-	42
Buildings found open,	-	-	-	-	-	-	-	-	615
Careless driving,	-	-	-	-	-	-	-	-	23
Disturbances suppressed,	-	-	-	-	-	-	-	-	206
Defective sidewalks,	-	-	-	-	-	-	-	-	92
Defective streets,	-	-	-	-	-	-	-	-	36
Defective bridges,	-	-	-	-	-	-	-	-	3
Defective water pipes,	-	-	-	-	-	-	-	-	20
Defective street lamps,	-	-	-	-	-	-	-	-	9
Defective drains and sewers,	-	-	-	-	-	-	-	-	17
Dogs killed,	-	-	-	-	-	-	-	-	75
Dead bodies found,	-	-	-	-	-	-	-	-	2
Fire alarms given,	-	-	-	-	-	-	-	-	14
Fires extinguished without alarm,	-	-	-	-	-	-	-	-	9
Foundlings provided for,	-	-	-	-	-	-	-	-	1
Intoxicated persons sent home,	-	-	-	-	-	-	-	-	190
Injured persons cared for,	-	-	-	-	-	-	-	-	51
Lost children restored to friends,	-	-	-	-	-	-	-	-	112
Lost goods restored (value)	-	-	-	-	-	-	-	-	\$15,491 00
Lights (street)not burning at 9 p. m. (Gas)	-	-	-	-	-	-	-	-	443
“ “ 9 (Oil)	-	-	-	-	-	-	-	-	415
Lights hung in dangerous places,	-	-	-	-	-	-	-	-	26
Nuisances reported,	-	-	-	-	-	-	-	-	39
Nuisances abated,	-	-	-	-	-	-	-	-	19
Run away horses reported,	-	-	-	-	-	-	-	-	49
“ “ stopped,	-	-	-	-	-	-	-	-	33

Teams put up and cared for,	-	-	-	-	-	-	84
Stolen property recovered, (value)	-	-	-	-	-	-	\$6,582
Water runing to waste,	-	-	-	-	-	-	19

In concluding this report, I will state that the condition of the City during the year has been very quiet. No crimes of a very serious nature, or extensive thefts have been committed. Thankful indeed for this, and for the support rendered me,

I am, very respectfully,

Your obedient servant,

W. ANSEL WASHBURN,

*City Marshal.*



# REPORT

OF THE

## Commissioner of Highways.

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WORCESTER, December 30th, 1878.

*To His Honor the Mayor and Gentlemen of the City Council :*

The undersigned, in accordance with the requirements of the City Ordinances, presents the following report of the expenses of the Highway Department and the earnings of the same for the financial year ending Nov. 30, 1878, with an appended schedule of the property, both real and personal, in charge of the Department. Nothing of unusual importance has occurred to require especial mention in this report. The year has been remarkably favorable for work, and the cost of maintaining our streets less than usual. The only extra expenditures for the year on maintenance account have been in re-building the bridge over the Boston and Albany Railroad on James street, and the widening and repaving under the railroad bridges on Southbridge street, rendered necessary by the removal and re-building of the abutments, by the several railroad companies, back upon the street lines. I consider the most of our streets in comfortable condition for travel. A few heavy-traveled streets however, to which I have alluded in former reports, should have permanent improvements by way of paving or macadamizing, and I desire to express the hope that the wisdom of the next City Council may be directed to the same.

James street bridge, reported last year as unsafe, has been replaced by an entire new structure, five feet wider and fifteen inches higher than the old one, to correspond with the requirements of the law regarding the elevations of bridges crossing railroad tracks. A bench wall built at the north end which had been supported by posts, and the other masonry extended to correspond with the width of new bridge. The work has been done in a thorough manner and cost as follows:

Stone and labor on wall,	-	-	-	-	\$360 35
Lumber, freight and carting,	-	-	-	-	593 09
Iron work, nails, etc,	-	-	-	-	39 21
Carting gravel and grading,	-	-	-	-	77 00
Engineering,	-	-	-	-	12 26
					<hr/>
					\$1,081 91

#### Paving Southbridge street under railroad bridge,

1307 4-10 square yards cobble paving,	-	-		\$653 70
Grading and carting gravel,	-	-	-	461 60
Engineering,	-	-	-	19 63
				<hr/>
				\$1,134 93

#### SIDEWALKS.

The following amount of work has been done at the expense of the city.

Amount of new curb set,	5,928.6-10 lineal feet.
Amount of curb reset,	620 lineal feet.
Amount of circle curb set,	39 lineal feet.
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Number of feet set,	- - - - - 6,587.6-10 feet.
Amount of gutter paving, new,	2,747.3-10 square yards.
Amount of gutter paving re-laid,	663.6-10 square yards.
Amount of crosswalk paving, new,	1,535 square yards.
Amount of crosswalk paving re-laid,	427.1-10 square yards.
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Total amount of Paving laid,	- - - - - 5,373 sq. yds.
Amount of flagstone, new,	2,567.5-10 feet.
Amount of flagstone re-laid,	343.5-10 feet.
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Total amount of flagstone laid,	- - - - - 2,911 feet.
Amount of block paving, new,	60.3-10 square yards.
Amount of block paving re-laid,	108 square yards.
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Total amount of block paving laid,	- - - - - 168.3-10 sq. yds.

Amount of brick paving, new,	69.1-10 square yards,
“ “ “ re-laid,	115.8-10 “
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Amount of brick paving laid,	184.9-10 sq. yds.
Number of corners set, new,	29
“ “ re-set,	8
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Total,	37

The location and cost of work in detail are as follows :

#### BENEFIT STREET SIDEWALK.

*West side from south line of the Orphan's home estate to Beacon Street.*

329 2-10 lineal feet curb stone,	- - - - -	\$164 60
40 lineal feet curb reset,	- - - - -	4 00
254 9-10 square yards gutter,	- - - - -	127 45
3 long corners reset,	- - - - -	1 80
Grading,	- - - - -	140 15
Engineering,	- - - - -	20 56
<hr/>		\$458 56

#### CANAL STREET SIDEWALK.

*West side from Front street to Cherry street.*

218 5-10 lineal feet curb stone,	- - - - -	\$109 25
11 lineal feet curb stone reset,	- - - - -	1 10
38 lineal feet flagstone,	- - - - -	19 00
31 9-10 square yards crosswalk,	- - - - -	15 95
104 2-10 square yards gutter,	- - - - -	52 10
8 4-10 square yards gutter relaid,	- - - - -	1 68
2 square yards brick relaid,	- - - - -	20
2 long corners,	- - - - -	9 00
1 long corner reset,	- - - - -	60
Grading,	- - - - -	61 25
Engineering,	- - - - -	9 90
<hr/>		\$280 03

#### CASTLE STREET SIDEWALK.

*North side from the court at the west end of lot owned by Piedmont Church to the north end of the street, and on the south side from the north line of Valley street to Main Street.*

416 lineal feet of curbstone,	- - - - -	\$208 00
34 3-10 lineal feet of curbstone reset,	- - - - -	3 43
17 9-10 lineal feet flagstone,	- - - - -	8 95
26 5-10 square yards crosswalk,	- - - - -	15 25
202 7-10 square yards gutter paving,	- - - - -	101 35
8 6-10 square yards gutter paving relaid,	- - - - -	1 72
17 4-10 square yards brick paving relaid,	- - - - -	1 74
3 long corners,	- - - - -	13 50
1 long corner reset,	- - - - -	60



258 9-10 square yards gutter,	-	-	-	-	-	-	129 45
13 37-100 square yards gutter relaid,	-	-	-	-	-	-	2 67
12 square yards brick relaid,	-	-	-	-	-	-	1 20
1 long corner reset,	-	-	-	-	-	-	60
Grading,	-	-	-	-	-	-	221 35
Engineering,	-	-	-	-	-	-	4 75

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 \$679 83

## ORANGE STREET SIDEWALK.

*West side, from Park street to the northerly line of land owned by Thomas H. Dodge.*

462 7-10 lineal feet of curbstone,	-	-	-	-	-	-	\$231 35
83 lineal feet curbstone reset,	-	-	-	-	-	-	8 30
222 7-10 square yards gutter,	-	-	-	-	-	-	111 35
94 7-10 square yards gutter relaid,	-	-	-	-	-	-	18 94
3 square yards of brick relaid,	-	-	-	-	-	-	30
1 long corner reset,	-	-	-	-	-	-	60
Carting gravel,	-	-	-	-	-	-	7 75
Grading,	-	-	-	-	-	-	131 00
Engineering,	-	-	-	-	-	-	13 75

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 \$523 34

## OREAD STREET SIDEWALK.

*North side from the west line of C. H. Fitch estate to east line of J. C. Bigelow estate.*

288 7-10 lineal feet curbstone,	.	.	.	.	.	.	\$144 35
65 5-10 lineal feet flagstone,	.	.	.	.	.	.	30 25
135 6-10 square yards gutter,	.	.	.	.	.	.	67 80
42 9-10 square yards crosswalk,	.	.	.	.	.	.	21 45
Grading,	.	.	.	.	.	.	144 65
Engineering,	.	.	.	.	.	.	4 44

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 \$412 94

## UNION STREET SIDEWALK.

*West side from Market Street to the walk previously laid between School and Thomas Street.*

339 5.10 lineal feet curbstone,	.	.	.	.	.	.	\$169 75
49 5.10 lineal feet curbstone reset,	.	.	.	.	.	.	4 95
146 lineal feet flagstone,	.	.	.	.	.	.	73 00
89 2.10 square yards crosswalk,	.	.	.	.	.	.	44 60
159 square yards gutter,	.	.	.	.	.	.	75 45
22 square yards gutter relaid,	.	.	.	.	.	.	4 40
26 square yards brick relaid,	.	.	.	.	.	.	2 60
2 long corners,	.	.	.	.	.	.	9 00
Grading,	.	.	.	.	.	.	150 40
Engineering,	.	.	.	.	.	.	3 62

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 \$537 77

## VERNON STREET SIDEWALK.

*East side from Pattison street to land of W. F. Pond, opposite Richland Street.*

320 lineal feet curbstone,	-	-	-	-	-	-	\$160 00
8 4-10 lineal feet curbstone reset,	-	-	-	-	-	-	84
142 2-10 square yards gutter,	-	-	-	-	-	-	71 10

111 square yards gutter relaid, - - - - -	22 22
1 long corner, - - - - -	4 50
Grading - - - - -	177 52
Engineering, - - - - -	14 75

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 \$450 93

## AUSTIN STREET.—AT QUINCY STREET.

26 7-10 square yards crosswalk, - - - - -	\$13 35
1 square yard gutter relaid, - - - - -	20
22 lineal feet flagstone, - - - - -	11 00

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 \$24 55

## BLOOMINGDALE STREET.—AT GRATON &amp; KNIGHT'S.

103 7-10 square yards gutter, - - - - -	\$56 85
174 5-10 lineal feet curbstone, - - - - -	87 25
Grading, - - - - -	35 25

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 \$179 35

## BLOOMINGDALE STREET.—OPPOSITE B. &amp; A. R. R. OFFICE.

50 square yards crosswalk, - - - - -	\$25 00
40 7-10 square yards crosswalk relaid, - - - - -	8 14
123 8-10 lineal feet flagstone, - - - - -	61 90
43 9-10 lineal feet curbstone, - - - - -	22 45
22 2-10 square yards gutter, - - - - -	11 10
Grading, - - - - -	29 55

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 \$158 14

## CAMBRIDGE STREET, CORNER SOUTHBRIDGE STREET.

126 3-10 square yards crosswalk, - - - - -	\$63 15
201 5-10 square yards gutter, - - - - -	100 75
47 5-10 square yards gutter relaid, - - - - -	9 50
270 lineal feet flagstone, - - - - -	94 50
122 3-10 lineal feet curbstone, - - - - -	61 15
2 short corners, - - - - -	6 00
Grading, - - - - -	135 40

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 \$470 45

## CROWN STREET.—AGAINST STOWE ESTATE.

173 lineal feet curbstone, - - - - -	\$86 50
12 lineal feet curbstone reset - - - - -	1 20
76 9-10 square yards gutter, - - - - -	38 45
8 9-10 square yards gutter relaid, - - - - -	1 78
1 square yards bricks relaid, - - - - -	1 00
1 long corner, - - - - -	4 50
Grading, - - - - -	27 55

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 \$160 98

## CROWN STREET.—AT AUSTIN STREET.

38 9-10 square yards crosswalk relaid, - - - - -	\$7 78
46 lineal feet flagstone relaid, - - - - -	4 60

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 \$12 38



## CASTLE STREET.—AT VALLEY STREET.

37 3-10 square yards crosswalk, - - - - -	\$18 65	
26 7-10 lineal feet flagstone, - - - - -	13 35	
	<hr/>	\$32 00

## CENTRAL STREET.—AT OLD CANAL.

83 3-10 lineal feet curbstone, - - - - -	\$41 65	
37 square yards gutter, - - - - -	18 50	
32 square yards gutter relaid, - - - - -	6 40	
Grading, - - - - -	15 75	
	<hr/>	\$82 30

## CHANDLER STREET.—AT QUEEN STREET.

20 square yards gutter, - - - - -	\$10 00	
49 3-10 square yards gutter relaid, - - - - -	9 86	
45 square yards crosswalk, - - - - -	22 50	
57 lineal feet flagstone, - - - - -	19 95	
43 5-10 lineal feet curbstone, - - - - -	21 75	
2 long corners, - - - - -	9 00	
Grading, - - - - -	34 05	
	<hr/>	\$127 11

## CATHARINE STREET.—AT OAK AVENUE.

40 square yards crosswalk, - - - - -	\$20 00	
16 2-10 square yards gutter, - - - - -	8 10	
58 lineal feet flagstone, - - - - -	29 00	
13 7-10 lineal feet curbstone, - - - - -	6 85	
Grading, - - - - -	29 75	
	<hr/>	\$93 70

## EXCHANGE STREET AND UNION STREET, AT W. T. MERRIFIELD'S.

41 6-10 square yards brick paving, - - - - -	\$4 16	
1,966 bricks, - - - - -	23 95	
4 4-10 square yards brick driveway, - - - - -	88	
352 bricks, - - - - -	4 22	
6 2-10 square yards crosswalk, - - - - -	3 10	
35 6-10 square yards gutter relaid, - - - - -	7 12	
20 lineal feet flagstone, - - - - -	10 00	
15 6-10 lineal feet curbstone, - - - - -	7 80	
49 5-10 lineal feet curbstone reset, - - - - -	4 95	
1 long corner, - - - - -	4 50	
Sand, - - - - -	5 60	
Grading, - - - - -	13 50	
	<hr/>	\$89 78

## FRONT STREET.—AT RAILROAD CROSSING AND AT WASHBURN'S DISPENSARY.

63 square yards block paving, - - - - -	\$135 67	
79 8-10 square yards cobble paving, - - - - -	39 90	
4 6-10 square yards brick paving relaid, - - - - -	46	
23 1-10 square yards brick paving new, - - - - -	2 31	
1,108 bricks, - - - - -	13 29	
30 feet curbstone, - - - - -	15 00	
Sand, - - - - -	1 40	
Grading, - - - - -	6 75	
	<hr/>	\$214 78

## FRONT STREET.—AT BARTLETT PLACE.

49 4-10 square yards block paving relaid, - - - -	\$14 82	
85 feet flagstone, - - - - -	42 50	
Grading, - - - - -	8 80	
	<hr/>	\$66 12

## GROVE STREET.—AT LEXINGTON STREET.

49 4-10 square yards crosswalk, - - - - -	\$24 70	
66 lineal feet flagstone, - - - - -	33 00	
13 lineal feet curbstone, - - - - -	6 50	
Grading, - - - - -	13 60	
	<hr/>	\$77 80

## GROVE STREET.—AT CEMETERY GATE.

62 2-10 square yards crosswalk, - - - - -	\$31 10	
77 lineal feet flagstone, - - - - -	25 '95	
24 5-10 lineal feet curbstone, - - - - -	12 25	
Grading, - - - - -	12 00	
	<hr/>	\$81 30

## HIGHLAND STREET.—AT WACHUSETT STREET.

68 square yards cobble paving relaid, - - - - -	\$13 60	
45 square yards crosswalk paving relaid, - - - - -	9 00	
4 4-10 square yards gutter paving relaid, - - - - -	88	
50 lineal feet flagstone relaid, - - - - -	5 10	
Grading, - - - - -	20 25	
	<hr/>	\$48 83

## HIGHLAND STREET.—AT LANCASTER STREET.

52 2-10 square yards crosswalk relaid, . . . . .	\$10 50	
3 1-10 square yards gutter relaid, . . . . .	62	
60 lineal feet flagstone relaid, . . . . .	6 00	
8 7-10 lineal feet curbstone reset, . . . . .	87	
Grading, . . . . .	17 00	
	<hr/>	\$34 99

## LINCOLN STREET.—AT CATHERINE STREET.

81 7-10 square yards gutter relaid, . . . . .	\$16 34	
114 lineal feet curbstone reset, . . . . .	11 40	
54 3-10 square yards crosswalk relaid, . . . . .	10 86	
77 5-10 lineal feet flagstone, new, . . . . .	38 75	
Grading, . . . . .	20 86	
	<hr/>	\$98 21

## MAIN STREET.—ON COURT HILL.

117 9-10 square yards crosswalk, . . . . .	\$58 95	
7 square yards gutter, . . . . .	3 50	
105 6-10 lineal feet flagstone, . . . . .	52 80	
146 6-10 lineal feet curbstone, . . . . .	73 30	
Grading, . . . . .	174 35	
160 feet iron fence, . . . . .	100 80	
4 iron posts, . . . . .	15 40	
Labor, . . . . .	11 30	
	<hr/>	\$490 40

## MAIN STREET.—AT CRYSTAL STREET.

63 6-10 square yards crosswalk, . . . . .	\$31 80	
9 3-10 square yards gutter, . . . . .	4 65	
84 lineal feet flagstone, . . . . .	42 00	
28 lineal feet curbstone, . . . . .	14 00	
1 long corner, . . . . .	4 50	
Grading, . . . . .	21 05	
	<hr/>	\$118 00

## MAIN STREET.—AT HAWTHORN STREET.

58 7-10 square yards crosswalk, . . . . .	\$29 35	
27 2-10 square yards gutter relaid, . . . . .	5 44	
84 lineal feet flagstone, . . . . .	42 00	
18 5-10 lineal feet curbstone, . . . . .	9 25	
Grading, . . . . .	20 20	
	<hr/>	\$106 24

## MAIN STREET.—AT ALLEN STREET.

59 6-10 square yards crosswalk relaid, . . . . .	\$11 92	
4 4-10 square yards gutter relaid, . . . . .	88	
54 lineal feet flagstone, new, . . . . .	27 00	
Grading, . . . . .	3 00	
	<hr/>	\$42 80

## MAIN STREET.—AT HANCOCK STREET.

58 7-10 square yards crosswalk, . . . . .	\$29 35	
9 8-10 square yards gutter, . . . . .	4 90	
84 lineal feet flagstone, . . . . .	42 00	
27 3-10 lineal feet curbstone, . . . . .	13 65	
1 long corner, . . . . .	4 50	
Grading, . . . . .	21 75	
	<hr/>	\$116 15

## MAIN STREET.—AT PARK STREET.

58 6-10 square yards block paving relaid, . . . . .	\$17 58	
113 6-10 lineal feet flagstone, . . . . .	56 80	
35 4-10 square yards brick paving relaid, . . . . .	3 54	
Grading, . . . . .	19 50	
	<hr/>	\$97 42

## MAIN STREET.—AT GATES STREET.

58 7-10 square yards crosswalk, . . . . .	\$29 35	
11 1-10 square yards gutter, . . . . .	5 55	
84 lineal feet flagstone, . . . . .	42 00	
28 3-10 lineal feet curbstone, . . . . .	14 15	
1 long corner, . . . . .	4 50	
Grading, . . . . .	20 20	
	<hr/>	\$115 75

## MAPLE STREET.—OPPOSITE BIGELOW'S BLOCK.

20 5-10 square yards crosswalk, . . . . .	\$10 27	
5 square yards crosswalk relaid, . . . . .	1 00	

16 5-10 lineal feet flagstone, . . . . .	8 25
Grading, . . . . .	7 35

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 \$26 87

## MILLBURY STREET.—AT TAYLOR STREET.

39 1-10 square yards crosswalk, . . . . .	\$18 66
13 3-10 square yards gutter, . . . . .	7 98
63 lineal feet flagstone, . . . . .	22 05
24 lineal feet curbstone, . . . . .	12 00
1 long corner, . . . . .	5 00
Grading, . . . . .	\$28 00

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 \$93 69

## SOUTHBRIDGE STREET.—AT RAILROAD BRIDGE.

535 lineal feet curbstone, . . . . .	\$267 50
115 5-10 lineal feet curbstone reset, . . . . .	11 55
3 long corners, . . . . .	13 50
Labor removing stone wall, . . . . .	156 85
Grading, etc., . . . . .	51 00
Engineering, . . . . .	10 00
115 5-10 lineal feet flagstone relaid, . . . . .	11 55

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 \$521 95

## SOUTHBRIDGE STREET.—AT WASHBURN STREET.

42 square yards crosswalk, . . . . .	\$21 00
53 6-10 square yards gutter, . . . . .	26 80
50 lineal feet flagstone, . . . . .	25 00
120 5-10 lineal feet curbstone, . . . . .	60 25
2 long corners, . . . . .	9 00
Grading, . . . . .	39 75

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 \$181 80

## SOUTHBRIDGE STREET.—AT SARGENT STREET.

68 4-10 square yards crosswalk, . . . . .	\$34 20
22 square yards gutter, . . . . .	11 10
112 lineal feet flagstone . . . . .	56 00
Grading, . . . . .	9 00

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 \$110 30

## SOUTHBRIDGE STREET.—AT JACKSON STREET.

11 6-10 square yards gutter, . . . . .	\$5 80
15 9-10 square yards relaid . . . . .	3 18

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 \$8 98

## VERNON STREET.—AT UNION AVENUE.

52 square yards crosswalk, . . . . .	\$26 00
7 1-10 square yards gutter, . . . . .	3 55
68 lineal feet flagstone . . . . .	34 00
23 lineal feet curbstone, . . . . .	11 50
2 long corners, . . . . .	9 00
Grading, . . . . .	7 81

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 \$91 86

## VERNON STREET.—AT J. MURPHY'S.

Lowering curbing, . . . . .	\$70 00
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## VERNON STREET.—AT PATTISON STREET.

76 6-10 square yards crosswalk, . . . . .	\$38 30
13 1-10 square yards gutter, . . . . .	6 55
100 4-10 lineal feet flagstone, . . . . .	50 20
21 lineal feet curbstone, . . . . .	10 50
39 lineal feet circle curbstone, . . . . .	39 60
Grading, . . . . .	7 81
	<hr/>
	\$152 36

## WATER STREET.—AT HARRISON STREET.

52 1-10 square yards crosswalk, . . . . .	\$26 05
7 1-10 square yards gutter, . . . . .	3 55
63 lineal feet flagstone, . . . . .	22 05
39 5-10 lineal feet curbstone, . . . . .	19 75
Grading, . . . . .	10 52
	<hr/>
	\$81 92

## WESTMINSTER STREET.—AT CATHARINE STREET.

44 square yards crosswalk, . . . . .	\$22 00
10 7-10 square yards gutter, . . . . .	5 35
48 lineal feet flagstone, . . . . .	16 80
34 5-10 lineal feet curbstone, . . . . .	17 25
2 long corners, . . . . .	9 00
Grading, . . . . .	20 15
	<hr/>
	\$90 55

## WESTMINSTER STREET.—AT HARRINGTON AVENUE.

44 4-10 square yards crosswalk relaid, . . . . .	\$8 88
8 4-10 square yards gutter, relaid, . . . . .	1 68
50 lineal feet flagstone, relaid, . . . . .	5 00
20 lineal feet curbstone reset, . . . . .	2 00
1 long corner, . . . . .	4 50
Grading, . . . . .	18 15
	<hr/>
	\$40 21

## GRAVEL WALKS.

Aitchison Street, . . . . .	\$43 00
Leicester Street, . . . . .	733 10
Southbridge Street, . . . . .	133 80
	<hr/>
	\$909 90
Labor on sundry streets, patching, . . . . .	\$436 95
Carting stone, brick, sand and gravel, . . . . .	128 95
Engineering, . . . . .	112 59
Advertising for proposals for paving, . . . . .	24 00
Damages for injury to persons and property, . . . . .	482 79
	<hr/>
	\$1,185 28

Total to the expense of the city, . . . . .	\$12,018 23
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## SIDEWALKS AND DRIVEWAYS FOR PRIVATE PARTIES.

There have been laid 68 sidewalks and driveways for private parties,  
amounting to —\$4,143 58

Bills of which have been returned to the Auditor for collection.

## EXPENDITURES.

Salary of Commissioner, . . . . .	\$1,900 00
Pay roll of men, . . . . .	27,116 85
Labor, hired teams, . . . . .	2,034 32
Labor, breaking roads, . . . . .	206 14
Labor by sundry persons, . . . . .	1,596 38
Lumber, . . . . .	1,373 95
Tools and repairs, . . . . .	1,594 02
Shoeing, . . . . .	414 54
Hay and grain, . . . . .	2,280 31
6,162 feet curbstone, including freight . . . . .	2,143 25
232,361 bricks, including freight, . . . . .	2,075 93
2,269 1-2 feet flagstone, including freight, . . . . .	900 29
811 tons cobbles, . . . . .	671 96
Round corners, . . . . .	114 00
Paving, . . . . .	2,548 77
Paving blocks, . . . . .	170 25
Stone and gravel, . . . . .	545 63
Live stock, . . . . .	362 50
Engineering, . . . . .	843 06
Advertising, writing, printing and stationery, . . . . .	277 59
Scales at Quinsigamond, . . . . .	200 00
Rent of land for storage, . . . . .	40 00
Drain pipe and cement, . . . . .	391 30
Iron posts, fence rods, &c., . . . . .	423 79
Powder and fuse, . . . . .	30 40
Coal, . . . . .	45 75
Horse hire and trucking, . . . . .	13 00
Fuel and lights at stables, . . . . .	37 54
Water at stables, . . . . .	30 00
Horse medicines, . . . . .	17 13
Horse blankets, . . . . .	8 25
Oil, soap and grease, . . . . .	33 01
Maintaining water troughs on Southbridge and Millbury streets, . . . . .	37 00
Damages allowed for injury to persons and property, . . . . .	638 65
Traveling expenses, telegraphing, postage, &c., . . . . .	30 04
Pasturing horses, . . . . .	20 55
Appraising and selling buildings by auction, . . . . .	21 24
Lamp post, . . . . .	2 42
Total expenditures, . . . . .	<hr/> \$51,189 81

## RECEIPTS AND EARNINGS.

## APPROPRIATIONS.

Highways, . . . . .	\$30,000 00
Sidewalks, . . . . .	10,000 00
	<hr/> \$40,000 00



## STREET CONSTRUCTION.

Foster street, . . . . .	\$6,678 48	
Goulding street, . . . . .	583 16	
Jackson street, . . . . .	1,354 02	
Aitchison street, . . . . .	171 56	
Kingsbury street, . . . . .	5 39	
Hollywood street, . . . . .	5 39	
Highland street, . . . . .	140 00	
Quinsigamond avenue, . . . . .	471 01	
Sundry streets, . . . . .	40 00	
	<hr/>	\$9,449 01
Scales at Quinsigamond, . . . . .		\$292 36

## SIDEWALK ASSESSMENTS.

For sidewalks and driveways, . . . . .	\$3,549 34
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## LABOR AND MATERIAL FURNISHED.

City Hall, . . . . .	\$14 91	
Public Grounds, . . . . .	251 50	
Public Schools, . . . . .	208 84	
Water Department, . . . . .	112 39	
Sewer Department, . . . . .	53 40	
Sundry persons, . . . . .	4,671 95	
	<hr/>	\$5,312 99
Total, . . . . .		\$58,603 70

## RECAPITULATION.

## SUMMARY OF EXPENSES.

Sidewalks, city expense, . . . . .	\$12,018 23	
Sidewalks assessed, . . . . .	3,549 34	
Street construction, . . . . .	9,449 01	
Quinsigamond scales, . . . . .	292 36	
James street bridge, . . . . .	1,081 91	
Southbridge street, paving, . . . . .	1,134 93	
Labor and material furnished, . . . . .	5,312 99	
Maintenance, . . . . .	18,351 04	
	<hr/>	\$51,189 81

## SUMMARY OF EARNINGS.

Appropriations, . . . . .	\$40,000 00	
Street construction, . . . . .	9,449 01	
Quinsigamond scales, . . . . .	292 36	
Sidewalks assessed, . . . . .	3,549 34	
Labor and material, . . . . .	5,312 99	
	<hr/>	\$58,603 70

## REVENUE.

## OVERLAYINGS DECEMBER 1ST, 1877.

Sidewalk assessment, . . . . .	\$793 29
Labor and material, . . . . .	1,927 48

## COLLECTIONS, 1878.

Sidewalk assessments, . . . . .	2,472 56
Street construction, . . . . .	9,449 01
Scales at Quinsigamond, . . . . .	292 36
Labor and material, . . . . .	2,948 77
	<hr/>
	\$17,883 47

There are bills rendered which are uncollected as overlayings

Dec. 1st, 1878:

Sidewalk assessment, . . . . .	\$976 94
Sundry bills, . . . . .	1,030 28
	<hr/>
	\$2,007 22

To the maintenance account should be added \$2,389.00; it  
being the depreciation in stock account.

Total maintenance, . . . . . \$21,340 04

## SCHEDULE OF CITY PROPERTY.

REAL ESTATE, . . . . . \$34,231 50

## PERSONAL PROPERTY:

Live stock, . . . . .	\$2,700 00
Hay and grain, . . . . .	848 00
Rolling stock, tools, &c., . . . . .	4,275 50
Lumber, . . . . .	319 00
Stone and brick, . . . . .	1,207 50
	<hr/>
	\$9,350 00

Courteously submitted,

D. F. PARKER

*Commissioner of Highways.*

# ANNUAL REPORT

## OF THE COMMISSION OF

# PUBLIC GROUNDS.

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*To the Honorable CITY COUNCIL:*

The COMMISSION OF PUBLIC GROUNDS derive no such pleasure from the preparation of a Report, as to induce them to lengthen it needlessly; nor have they so little regard for economy as to contrive a job for the printer, without occasion. There is but a single opportunity to explain their operations, throughout the year; and, with due respect for their fellow citizens, that explanation, when rendered, should be intelligible and explicit. Their opinions may not be worth so much as they think: nevertheless they throw light upon their actions. And the Twenty-First Section of the Municipal Charter is imperative in its exaction of 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 Expenditures for the same," in the month of January; wherefore such is now submitted, in all frankness and respect.

*City of Worcester*

*In account with*

THE COMMISSION OF PUBLIC GROUNDS.

DR.	
To Appropriation for current year, . . . . .	\$4,000 00
Receipts, . . . . .	289 34

*Per Contra,*

CR.

*January:*

Kinnicutt & Co., 6 extra canal barrows, &c., &c., &c., . . . . .	\$20 25
S. F. Shattuck, pruning, . . . . .	4 35

*February:*

Kinnicutt & Co., hose and sprinkler, . . . . .	6 50
George G. Hildreth, 6 trees, cor. Oread and Beacon, . . . . .	6 00
Steven Rowe, labor, . . . . .	11 78

*March:*

G. H. Walker, map of City, . . . . .	10 00
Kinnicutt & Co., measuring line, (150 ft) . . . . .	75
J. S. Clark & Son, 2 bbls. cement, . . . . .	3 00
Steven Rowe, labor on paths of Common, . . . . .	20 98

*April:*

City Engineer, establishing grade for gutters (Common), . . . . .	9 25
David Rowe, labor, . . . . .	27 12
Steven Rowe, labor, . . . . .	40 25
Michael Kennedy, labor, . . . . .	22 50
Patrick Whalon, labor, . . . . .	18 13
J. & J. A. Rice, grass seed, 1 peck, . . . . .	1 00
C. H. Perry, trimming trees, . . . . .	9 20
Kinnicutt & Co., tools and bronzing fountain, . . . . .	5 25
B. C. Jaques, labor and stock for tree guards, . . . . .	58 20

*May :*

John O'Connor, laying 455 4-10 yards of paving on Common, . . . . .	227 70
Michael Kennedy, labor, . . . . .	33 75
Steven Rowe, labor, . . . . .	41 12
David Rowe, labor, . . . . .	42 00
Patrick Whalon, labor, . . . . .	35 25
Noyes & Snow, printing report and by-laws, . . . . .	45 70
George T. Sutton, work on pump in Common, . . . . .	4 83
J. & J. A. Rice, grass seed, &c. . . . .	9 15
Kinnicutt & Co., tools, . . . . .	1 38
Engineer's Dept., gutters to Common (G. H. P.), . . . . .	2 50
“ “ “ “ (J. H. H.), . . . . .	3 75
Putnam & Davis, . . . . .	30
C. F. Henry, teaming, . . . . .	3 25
H. S. Pike, 400 yards of earth, at 25c, . . . . .	100 00
Brooks & Wheeler, manure and teaming, . . . . .	144 38
Highway Dept., earth to Elm Park and sand to Common, . . . . .	127 75
W. G. Ruggles, 2 maples, (West street), . . . . .	2 00
Kinnicutt & Co., gravel screen, . . . . .	14 00
O. B. Hadwen, shrubs, trees, and planting some, . . . . .	138 50

*June :*

G. H. Palmer, setting stakes for street trees, . . . . .	2 00
F. H. McClure, “ “ “ “ . . . . .	2 63
J. H. Howell, “ “ “ “ . . . . .	3 43

H. A. Lange, plants, . . . . .	\$4 00
John Dempsey, labor, . . . . .	7 50
B. C. Jaques, labor and stock, . . . . .	4 93
J. B. O'Leary, mending tools, . . . . .	3 35
Kinnicutt & Co., tools, . . . . .	10 61
Committee on Lamps, pt., re-location of lamps on Common, . . . . .	50 00
O. B. Hadwen, trees and planting, . . . . .	83 75
Dexter Rice, signs, . . . . .	28 00
Patrick Smith, loam and labor, . . . . .	95 57
Wm. McGrath, teams and labor, . . . . .	81 00
Patrick Gormley, trees on Vernon st., and setting, . . . . .	65 00
J. & J. A. Rice, grass seed, . . . . .	26 05
Michael Kennedy, labor, . . . . .	38 25
Steven Rowe, labor, . . . . .	44 62
Patrick Whalon, labor, . . . . .	36 75
David Rowe, labor, . . . . .	45 50
Highway Dept., scrapings, gravel and hard-pan, . . . . .	98 75
D. M. Woodward, stone and labor in setting ("Parade"), . . . . .	80 25
John O'Connor, paving and patching, . . . . .	25 67

*July:*

H. S. Pike, earth, labor and teams, . . . . .	118 50
David Rowe, labor, . . . . .	42 87
Patrick Whalon, labor, . . . . .	34 88
Michael Kennedy, labor, . . . . .	37 50
Steven Rowe, . . . . .	43 75
J. & J. A. Rice, grass seed, . . . . .	3 14
Kinnicutt & Co., tools and wire net, . . . . .	8 33
E. B. Crane & Co., spruce plank, . . . . .	5 00

*August:*

J. B. O'Leary, (blacksmithing), . . . . .	91
E. R. Fiske, 200 postal cards and caption, . . . . .	3 00
Patrick Smith, loam, . . . . .	6 00
J. & J. A. Rice, grass seed, . . . . .	2 75
A. L. Rice, maples on Hawthorn street, . . . . .	5 00
George T. Sutton, work on pumps, &c., . . . . .	17 45
Benj. C. Jaques, stock and labor, . . . . .	20 42
Wm. McGrath, earth and labor, . . . . .	82 75
H. S. Pike, gravel and teams, . . . . .	54 00
Kinnicutt & Co., tools, &c., . . . . .	12 14
Webb, driving wells, . . . . .	37 75
John Dempsey, labor, . . . . .	8 62
David Rowe, labor, . . . . .	38 50
Steven Rowe, labor, . . . . .	43 75
Patrick Whalon, labor, . . . . .	37 50
Michael Kennedy, labor, . . . . .	35 25

*September:*

G. D. Webb, earth, . . . . .	180 75
Dexter Rice, 5 signs, . . . . .	5 50
Charles Belcher, water fowl, . . . . .	10 00
Kinnicutt & Co., tools, . . . . .	7 67

J. & J. A. Rice, grass seed, &c., . . . . .	\$20 53
S. F. Shattuck, pruning, . . . . .	6 70
Patrick Whalon, labor, . . . . .	40 50
Michael Kennedy, labor, . . . . .	34 50
Steven Rowe, labor, . . . . .	47 25
David Rowe, labor, . . . . .	45 50
George H. Estabrook, freight, &c., . . . . .	2 50

*October:*

Auditor, ink, . . . . .	42
George T. Sutton, plumbing, . . . . .	4 75
Webb, earth, . . . . .	53 50
Highway Dept., scrapings, . . . . .	25 00
John Dempsey, labor, . . . . .	9 75
Kinnicutt & Co., tools, . . . . .	3 30
Steven Rowe, labor, . . . . .	45 55
David Rowe, labor, . . . . .	43 75
Michael Kennedy, labor, . . . . .	37 50
Patrick Whalon, labor, . . . . .	37 50
Benj. C. Jaques, labor, . . . . .	14 01

*November:*

W. & N. R. R., 1788 feet hard pine, . . . . .	53 64
H. S. Pike, teams and labor, . . . . .	18 25
Kinnicutt & Co., shovels, &c., . . . . .	4 63
Webb, team and labor, . . . . .	7 25
J. B. O'Leary, blacksmithing, . . . . .	1 84
S. F. Shattuck, pruning, . . . . .	7 65
Michael Kennedy, labor, . . . . .	39 00
Patrick Whalon, labor, . . . . .	39 00
David Rowe, labor, . . . . .	45 06
Steven Rowe, labor, . . . . .	45 50

*December:*

J. & J. A. Rice, tools, . . . . .	1 00
Kinnicutt & Co., tools, . . . . .	80
Patrick Whalon, labor, . . . . .	34 50
David Rowe, labor, . . . . .	39 37
Steven Rowe, labor, . . . . .	38 50
Michael Kennedy, labor, . . . . .	33 00
C. F. Henry, manure and teaming, . . . . .	89 50
H. C. Fish, iron work (bridge), . . . . .	40 20
B. C. Jaques, lumber, labor, and painting (bridge), . . . . .	253 63
O. B. Hadwen, shrubs, trees, and setting, . . . . .	31 60

The work of the COMMISSION, upon the *Common*, throughout the last year, was seen of men. So much of it as may be found unmarred, by recklessness or malice, will be disclosed once more after the melting of the winter snows. Mainly,—the huge trench that intercepted passage in almost every direction; and



which had been tolerably filled, in the late Autumn, immediately upon the removal of the railway-tracks; was brought up to grade in an effectual and thorough manner. Absolutely mixed by passing through a screen, pulverized brick, gravel, and broken hard-pan, combined to form a base upon which it was deemed safe to risk the heaviest battalions. The completeness of the test to which the work was subjected will be better appreciated by the future historian, from the subjoined correspondence, which is therefore placed upon record:

COL. W. S. B. HOPKINS,  
*Captain Commanding Worcester Continentals.* }

*My Dear Sir:*—The work of improvement upon the Common purposed to itself for accomplishment by this Commission, is now so near completion that I feel sure of incurring no extreme risk in inviting the Continentals, (through yourself their commander) to make use of that old-time "Training Field" on Wednesday next.

The mall that has just been constructed may not come amiss for march or review; nor would it conflict with the views of this Commission, should its original use, by the Continentals, serve to render permanent some such name as THE "PARADE" for that ample space.

Very Truly,

EDWARD W. LINCOLN, Chairman.

Commission of Public Grounds, Worcester, May 23, 1877.

*Edward W. Lincoln, Esq., Chairman Commission of Public Grounds:—*

*My Dear Sir:*—I have the honor to accept with pleasure your offer of the use of the Common for the dress parade and review of my command on the 29th inst.

The Continentals will be proud of the honor your Commission confers on them by the permission to dedicate the new mall of the old "training field," as "THE PARADE," and will endeavor to present an appearance creditable at once to the city and the field on which they muster.

Very respectfully your obedient servant,

W. S. B. HOPKINS, Captain.

Headquarters Worcester Continentals, May 24, 1878.

That baptism was effectual and will remain indelible forever.

That the labors of the COMMISSION are appreciated, (possibly viewed with too partial eyes,) has been sometimes made apparent elsewhere than in the Addresses of His Honor the Mayor. While engaged in constructing the PARADE, and finishing the grading essential to its neat appearance and convenience of access, a letter was received from Thomas H. Dodge, Esq., of

such nature that it is incorporated with this Report in connection with the reply that it elicited. Many of the “acts and doings” of the COMMISSION have no other record than current correspondence. It would work injustice, at times, were they suffered to sink into utter oblivion; their rescue from which would seem to be a most useful purpose of an Annual Report.

APRIL 1ST, 1878.

EDWARD W. LINCOLN, Esq.,

*Chairman of Commission of Public Grounds.*

*My Dear Sir:*—As a citizen of Worcester, allow me to thank you for your constant and unwearied efforts to improve and beautify the streets, and Public Parks and grounds of the “Heart” of the good old Commonwealth of Massachusetts. If your efforts had been sustained and aided in the past, by previous City Governments, as they deserved, Worcester, to-day, would be as noted for the beauty of its streets and Public Grounds, as she is for the general intelligence and business enterprise and activity of her citizens.

Let this pass however, for the present, while I call your attention to another matter, viz: A cross or diagonal walk from the north-east corner of the central Common, to Park street, at or near the head of Portland street. I notice, to-day, that you are making arrangements to close the passage-way opposite my block, which was originally opened at my expense to accommodate the public, and obviate the necessity of crossing two streets in passing from the Common to the east side of Portland street. I am aware that you entered an objection, at the time, based upon the ground that it would have a tendency to tempt people to cross the park at a point where there was no walk provided; and present appearances indicate quite clearly that you were correct in your predictions.

By this note I simply wish to make an appeal in behalf of the public, and particularly in the interests of women and children, for a walk crossing the Common as indicated above. It would be a great convenience, especially in wet and stormy weather, also when passing to and from the Union Station. I am aware that the means placed at your disposal, as a public officer, are limited,—*too limited*, and with a view of increasing the same, and as a contribution to and for the public good, I enclose herewith my check for twenty-five dollars (\$25.00), and trust you will not only countermand the order to close the passage-way above referred to, but will listen to my appeal on behalf of citizens, as well as strangers, and lay out a walk as requested.

(Signed), Very truly yours,

THOS. H. DODGE.

Which elicited the following reply:—

COMMISSION OF PUBLIC GROUNDS, {  
Worcester, Massachusetts, April 3, A. D. 1878. }

THOMAS H. DODGE, Esq.:—

*My Dear Sir.*—Your note of the 1st inst., with inclosure, was duly received and would have been answered sooner but for the fact that my private affairs sometimes exact, nor will be denied, a portion of my attention and time.

Your just appreciation of their efforts for the development and ornamentation of Worcester will be grateful to this COMMISSION. Much that is done makes but little show at the instant; and impatience is often provoked and expressed because of the apparent slight return for labor and means expended. But the bread cast upon the waters is not lost. From the seeming chaos emerge pathways and lawns; and from the young or sparse plantation grow up welcome bloom and foliage. And such culture *pays*! now, as in all time. It was Athens,—neither Sparta nor Thebes,—that attracted all which was best and worthiest in Greece; crowding her schools, enriching her marts; and all because she arrayed herself like a queen in her beauty. So was it with Florence, during the Middle Ages; and such is pre-eminently the case, at present, with Paris. What but avarice and ill-governed desires prevent a restoration of the primeval garden? You and I, in common with our fellow-citizens, are offered the election between God and mammon. To promote a healthy vitality in the body politic, we are advised to throttle the breathing, check the circulation,—numb the heart!

In these latter days, the administration of States and Cities is sadly contingent upon what may be styled the politics of usury. Appropriations are granted, or withheld, as there is greater or less success in gathering a harvest from reckless discount. Honest men,—who ought to breathe freer,—suffer themselves to be panic-stricken by the frauds of stock and note gamblers. Under such circumstances, and at such times, what chance for a just estimate have measures that appeal only to the nobler feelings! Whose support must be sought and attracted from a level head and a correct taste?

Take a single instance; had heed been allowed to the timely suggestions of this COMMISSION, the travel and traffic of Quinsigamond and Millbury would not now be subjected to such continual annoyance and loss; but, passing around the base of Mt. St. James, have found, in the prolongation of Hope Avenue and the embankment of Kettle Brook, both a public convenience and ornament. To the narrow minds of some, the far-sighted are ever visionary. He is the actual spendthrift who neglects or wastes opportunity instead of seizing upon and improving it. But the imperative necessities of the immediate future can be trusted to vindicate that prevision which would anticipate them at the least cost and trouble.

A broad and continuous AVENUE will, sooner or later, environ Worcester. And whether it is completed in their day, or after they shall have been gathered to their fathers, the COMMISSION OF PUBLIC GROUNDS will ask neither better, nor more enduring monument to their memory.

But I am suffering myself to be carried away by a too attractive theme. “Reverting to our lambs,” I have been forced to the conclusion, with what reluctance you can imagine, that a pathway from Portland street, diagonally to the north east corner of the Common, must be conceded. Your personal observation, so immediate and constant, of the existing abuse, is of great weight in sustaining this judgment. It were doubtless better to allow what is so difficult of prevention; and, in a direct and sensible way, control and regulate it as a recognized use.

Your generous contribution to the funds, of the COMMISSION is accepted with thanks and will be expended in accordance with your wishes. In acknowledging its receipt, the Chairman is reminded of a munificence that, years since, prompted to the construction of a FOUNTAIN, upon the *Common*; and which, had it been properly estimated and aided, would have decked that most central and conspicuous of our Public Grounds with a suitable and charming ornament.

Believe me, very truly yours,

EDWARD W. LINCOLN, *Chairman*.

The path-way indicated in the foregoing notes will be constructed in the coming Spring. There was no absolute hurry for it, and the COMMISSION were reluctant to interfere with the enjoyment of the *Common*, by the people, any farther than was indispensable. The construction of the PARADE occasioned a sufficient impediment to passage, for the season. Meanwhile incessant use has more clearly defined the route to be followed and at the same time confirmed, beyond all dispute, its necessity. But it must not be inferred from this concession that the COMMISSION will construct paths wheresoever trespass may encroach; or smooth new ways for the “unclean feet” that dodge around the sanctuary.

The motive of the subjoined letter, of which a copy was sent to each member of the COMMISSION; in studied slight of the Chairman, its official head; may supply a simple conundrum for the curious. Those quicker-witted will note how Christianity may still furnish points for heathen imitation, in “ways that are dark and tricks that are vain.”

WORCESTER, July 24, 1878.

To E. W. LINCOLN, O. B. HADWEN, AND STEPHEN SALISBURY, JR.,

*Commissioners of Shade Trees and Public Grounds.*

*Gentlemen.*—The First (Old South) Parish and Society having quietly submitted to the annoyance and inconvenience of large quantities of rubbish, consisting in part of large mounds of earth, paving stones, snow plows, &c., around our church edifice for the past two years or more, request you to remove the same within reasonable time and that no more be deposited about the building, as we wish all things kept neatly about our house of worship.

Respectfully,

For and in behalf of the First Parish in Worcester,

A true Copy,

Attest,

ADDISON PALMER,

JEREMIAH WINN,

*Assessors of the First Parish.*

H. H. MERRIAM, *Clerk.*

To which attempt at fault-finding, or furtive effort to set up an adverse title, the subjoined answer was deemed sufficiently precise:—



COMMISSION OF PUBLIC GROUNDS, }  
 Worcester, Massachusetts, July 28, A. D. 1878. }

To ADDISON PALMER, AND JEREMIAH WINN,

*Asses sors of the First Parish.*

*Gentlemen.*—Your burden of complaint against this Commission was duly imposed upon me (its Chairman), by the letter-carrier.

I might reply by pointing out to you the provision of the City Charter which, after conferring the sole care, superintendence, and management of the Public Grounds belonging to said City of Worcester, upon a COMMISSION OF PUBLIC GROUNDS, continues to specify the mode whereby the City Council (*not* “the First Parish”), may remove “said Board, or any member thereof,” should their official trust be mis-managed.

But I prefer to tell you that your letter is captious, querulous, and without excuse; or that you would have been better employed in expressing profound gratitude to this COMMISSION for its final redemption of the *Common* from all manner of uncleanness. In that redemption your “Church Edfice” (whatever congregational structure that may be in essence and spelling!) might have shared. But your pulpit, unhappily for the community, was not included within the jurisdiction of this COMMISSION.

You will pardon any seeming disrespect in the delay of this reply to your letter. My secular engagements were such that it was imperatively necessary to defer all ecclesiastical correspondence to a day of rest.

I have the honor to subscribe myself,

Respectfully,

EDWARD W. LINCOLN, *Chairman.*

The original note was mailed to Mr. Palmer,—senior Assessor. To be more explicit, that even he who runs may read this queer commentary from Mammon; it may be proper to state that there have been no “mounds of earth, paving, stones, snow plows, &c.” accumulated or deposited by this COMMISSION anywhere but upon the PUBLIC GROUNDS of the City. The ultimate determination of the people as to the disposition of their property, in a possible future contingency, cannot of course be foretold. But, assuming that it will not be bartered away for a mess of pottage, it remains for this COMMISSION to repel all attempts—insidious or unblushing, to encroach upon their especial province. If the title of the People of Worcester to their *Common* is ever affected adversely, it shall not occur through any laches of this COMMISSION.

The recommendation that the *Kerb*, constructed along the Park Street side of the *Common*, be continued so as to enclose the entire territory; to include so much of Salem Square as may

not be needed for purposes of transit; and that a *JET D' EAU*, or *Fountain*, be erected in the spot long since assigned for one by the COMMISSION; are earnestly renewed. The necessity for public, not less than private, economy, and in great measure because of that, is keenly appreciated by the COMMISSION OF PUBLIC GROUNDS. But they are also aware that whatever municipal work must be done can never be achieved at less cost than now, when prices are low; nor more timely than in a period of comparative stagnation. Yet they have no wish to be importunate; and esteem their duty in the premises fully discharged, by keeping all such projects of improvement from lapsing into utter oblivion.

The *Shade Trees* along the Streets and Highways have been cared for, as far as possible, and are receiving particular attention at this time of writing. The COMMISSION met with a loss, apparently irreparable, in the removal to Providence, early in 1878, of Mr. Charles H. Perry. Agile, light, and perfectly fearless, he would go whither the COMMISSION dared not send him; and where no one, as yet, presents himself anxious to follow. A majority of the old and majestic Elms, throughout the City, require annual and seasonable pruning. This work demanded courage and good judgment; and Mr. Perry possesses both, in sufficient measure. At present, many of our larger trees are almost unsafe, because of limbs that no one can be found to remove. It is probably no exaggeration, to assume that a capable and industrious man might be employed profitably, for a whole year, and find himself unable to trim off all the branches that are decaying, or dead. The COMMISSION will do all that they can to remedy this evil condition: but among the critics who are sure to blame their sins of inevitable omission, how many would sanction the payment of wages, adequate to the remuneration of a competent forester,—could such be discovered!

Many trees have been issued to applicants, in detail, from the Nursery in Elm Park. Many more remain that should be planted out where they can remain, as they are crowded at present, and would be benefited by thinning. The better way is for a neighborhood to combine, and, obtaining the trees, set



them along their proximate streets. The interest in their preservation is thus made general; no one being indifferent to the mutilation of the Elm or Maple in front of his neighbor, because he has not one before his own door. It is to be hoped that these suggestions may not be wholly fruitless; but that many will avail themselves of the opportunity, in the early Spring, to procure Shade Trees from the COMMISSION, for the greater comfort and beauty of their vicinage.

The practice of the COMMISSION has conformed to the theory just outlined. Where a chance was afforded, by the completion of sidewalks, &c., as was notably the case upon upper Lincoln and lower Vernon Streets, rows of trees have been planted, and secured by guards, which met an obvious necessity and give promise of a thrifty existence. The COMMISSION keep in mind, for similar improvement, a number of streets in the South-Easterly part of the City. But their purposes are thwarted, in the main, by the palpable improvidence of thrusting roots directly in the way of the plow and mattock of the impending highway-man.

The COMMISSION have been asked, at frequent intervals during the past year, to set out trees in the yards adjoining the Public *School-Houses*. Those requests came from Teachers, the Superintendent, or Members of the School Board, indiscriminately. The urgency of the need, in this direction, finally led to the following correspondence, which is inserted here, that the views of the COMMISSION may be clearly understood.

28 GROSVENOR STREET, WORCESTER, Aug. 27, 1878.

E. W. LINCOLN, Esq.

*Sir*.—I have been thinking for some time past, of introducing an order in the School Board—looking to the planting of Shade Trees in such school-yards and sidewalks abutting thereon, as the Committee on School-Houses, or yourself, may determine.

If they should be planted, they will not only be an ornament to our bleak, cheerless Public Buildings, but will have a refining influence on the young children, which, in after years, will in many cases cause them to love, and be careful of trees and plants.

It strikes me that you have authority to plant trees on all the Public Grounds and walks.

I would feel obliged for your opinion on the matter; probable cost of planting about 300 trees; and whether the "Council" or "School Board" is the proper place to introduce an order, if such is needed.

I am sir, yours respectfully,

RICHARD O'FLYNN.

COMMISSION OF PUBLIC GROUNDS,  
 Worcester, Massachusetts, August 24, A. D. 1878. }

RICHARD O'FLYNN, Esq:—

*My Dear Sir.*—Excuse the delay in answering your note of the 17th inst., as I hoped to find time to see you. I find that I cannot.

I agree with you that our School-Houses look “bleak and cheerless;” and I have always felt provoked about it because it is so wholly inexcusable and needless. But this Commission, and the City Council, (as I understand), are powerless in the matter, unless the Act passed, one or two years ago, clothed the Council with the power theretofore vested in the School-Board.

At any rate, the school-yards are not “Public Grounds” in the sense of those sections of the Municipal Charter whereby this Commission is established.

I have long desired that the love of Flowers and Trees should be impressed upon and encouraged in our children, as alike tending to refine their manners and produce a nobler development. I would gladly welcome the study of elementary botany by them, to the displacement of other branches of learning in nowise so useful or even ornamental.

As to the “probable cost of planting about 300 trees,” they *might* be had for \$1.00 a piece. This Commission pay \$1.25 for trees planted in the Spring, upon condition that they shall be replaced, in Autumn, when necessary.

With great respect, I remain

Yours, &c., &c.,

EDWARD W. LINCOLN, *Chairman.*

Should this initiative lead to action, so much to be desired on many accounts, it is to be hoped that everything in the nature of a job will be sedulously avoided. The name of the tree-peddler, as of the other class—his congener—is legion. Care might also be taken to encourage a diversity of growth. Something besides foliage could be produced. The Mountain Ash—*et id genus omne*, is an intolerable nuisance. But the Tulip-Tree—*Liriodendron tulipifera*—is the pride of our North American Sylva, and can be safely transplanted. In the purchase of a dictionary the schools would insist upon “the best.” Let them be as exacting and worldly-wise in other respects! In any event, avoid naturalizing the Upas!

The work of the COMMISSION, upon *Elm Park*, during the past year, requires less description in detail, as it was so closely scanned while in progress by their fellow citizens. That work consisted, almost wholly, of grading and preparing the surface for the tamer grasses; and to this end, the plough and spade were kept in almost incessant motion. Should occasion serve, in the future, the writer hopes to indulge in eulogy of the Spade

and Spading-Fork as *the* tools for that coming tillage of the earth, which shall supply employment and increase for all. Their use would furnish occupation for many more men; (a thing desirable enough in itself); and the soil would be cultivated, as it needs and ought to be,—with complete thoroughness.

PARK AVENUE is so much resorted to, for all purposes, that the COMMISSON early sought to shelter it and improve its appearance. Trees of different kinds and of contrasting aspect, were planted for wind and snow breaks. The strips of ground, eastward of the AVENUE, was filled in and, in part, levelled and sown. Earth has been dumped further along, which will receive attention as soon, in the coming Spring, as the weather will permit. It is hoped to do all that is designed, in such good time and manner that nothing shall be left to mar the view. Possibly the critics who have assumed that those hemlocks were intended to stay, where they were heeled in—to save them—may then be relieved. Yet it will be absolutely necessary to have stout clumps of evergreen trees, in many exposed spots; if for no other reason, to obstruct and temper the fierce winds that blast vegetation and annoy the youthful skater. Upon such clump, or copse, the cultivated eye can rest in grateful repose: for others, few scenes in the Park would offer attraction. And yet that statement is possibly too strong. For it has been a pleasure to mark the evident delight of many, to whom any effort at landscape gardening must have been an entire novelty. For all such an education has commenced, that will imperceptibly but surely, soften the rough and uncouth disposition and elevate the whole man. But this,—only in proportion as Art is kept in due subordination to Nature; for trickery and meretricious adornments offend rather than attract.

Much has been achieved in the task of sloping the shores of the *Oval Pool*, so as to make the expanse of Water more conspicuous, and also render access to it easier. Great quantities of stone have come handy, which were used in building a walk for the women and children who take such innocent delight in feeding the Waterfowl. The gravel, that now encumbers the channel around the new *Grass Islet*, will be partly consumed in covering that walk, above the water line. The ground was

spaded up and almost entirely graded, before Winter set in, but it was not sown, as nothing is gained, ever, by putting seed into cold soil. Grass-seed sprouted in four days, last Autumn; but the ground was warm, and a tepid rain followed sowing, in a few hours.

Very general use was made of the *Pools* for skating, when frozen, as long as they remained or could be kept free from snow. The sport was heartily enjoyed by all ages, sexes, and conditions. Matron and maid; saint and sinner; the reverend clergy, and some in evident need of the gospel; met upon the same icy plane, and *saw the same stars!* The COMMISSION regret their inability to keep the surface clear, at all times. But, being desirous of excavating the *Circular Pool*,—so long outlined;—and finding the job of easier accomplishment in winter, when there is absolute exemption from any irruption of water; they have preferred business to pleasure. The cost of freeing the Ice from snow—upon a surface no larger, could not be much, as the shores are within such ready reach. And that cost,—were it far more considerable,—would be grudged by no one who is aware of the number to whom exhilarating exercise and robust health are afforded in such easy and abundant measure.

In bringing *Elm Park* to a proper grade, filling has had to be obtained, in open market; and of loam or hard-pan, as the chance offered. Twenty-five cents per yard has been an inflexible limit, to be exceeded in no event by the COMMISSION. In courtesy; and as an act of official duty, inspired by a desire to guard the municipal interests; one more effort was made to obtain the scrapings from the streets. A note, whereof the subjoined is a true copy, was written and transmitted, as follows:

COMMISSION OF PUBLIC GROUNDS,  
Worcester, Massachusetts, January 21st, A.D. 1878.

To the Honorable City Council:—

The Commission of Public Grounds would respectfully ask of the Honorable Council that the Street-Scrapings, (so called), may be delivered to their order, on Elm Park, either off Highland Street, or Park Avenue.

The Commission are aware that this would require carting in bad, or heavy weather, but the Honorable Council will perceive, with them, that only in such weather do the Streets require to be cleaned.



Neither do the Commission believe that the Highway Department would lend countenance to an imputation (inevitable should it object to this request,) that the Teams and Streets cannot do and endure, as much as they did, without hurt to any one, but six years ago.

For, and in behalf of the Commission,

EDWARD W. LINCOLN,

*Chairman.*

That application was referred to the Highway Committee, by which, in due course, an answer was returned that those scrapings could be delivered, as desired, for seventy-five cents per load. And it was left to be inferred that, at this last named price, no extra charge would be made for the seeds of dock, plantain and Canada Thistle, whereof those scrapings are so profuse. The COMMISSION trust that they will not be deemed insensible to such munificence. But, reflecting that the earth offered for sale by Messrs. Webb, Pike, McGrath, or Downey, was virgin and at least pure; and full of white clover seed, if any; that they asked but one-third as much as the City, to dump upon the very land of the City; the COMMISSION were forced to the conclusion that their duty was to buy dirt—and not,—to eat it! They are grateful for the co-operation of the Highway Department, in the old flush times when, if ever, high prices might have been expected. Having, long since, learned to appreciate hard-pan at its true value, they recommend others to get down to it as soon as possible.

*"The beams of our house are Cedar, and our rafters of Fir." Canticles, 1, 17.*

*"Why build ye not me an house of Cedar?" 1st Samuel, 7, 7.*

*"And David prepared Cedar trees in abundance." 1 Chron. 22, 4.*

It is very evident that there must have been a difference between the Cedars of Lebanon, and those of Auburn, in our County of Worcester. That the former grew upon the hills, and the latter in swamps, may serve to explain, as well as any other hypothesis, why the one should stand for a type of endurance while the other decays almost at once. The *Rustic Bridge*, erected by the COMMISSION in A. D. 1877, was found, late last Autumn, to be unsafe from the effects of dry-rot. It cost

little, but proved worth-less. Through the courtesy of Mr. C. S. Turner, some Hard Pine lumber was obtained, that had been seasoned for Railway use, out of which it was possible to frame a bridge that gives every promise of durability. Mr. B. C. Jaques deserves the chief credit for adapting the design, from sketches in the Public Library. It appears to the COMMISSION alike substantial and graceful. There is something to be thankful for in the fact that no accident occurred before the weakness in the former bridge was detected. At times it had sustained as many as could get upon it.

By a recent computation of the County Commissioners, A. D. 1878, the City of Worcester receives, net, the sum of \$2,810.98, from the Dog Fund. It is understood that so much enures, as clear profit, to the Free Public Library; though why—is not so plain, since the licenses are not for dogs-ears. The *Public Grounds* get none of it, although the positive nuisance of Dogs can neither be overlooked nor over-rated. Nothing animate occasions greater annoyance and loss to the Terrae culturist. Fowls can be confined, expelled, or at worst exterminated. But it looks too much like butchery to shoot a dog. Yet they course everywhere, scouring through new plantations and tearing up smooth lawns; and ever without check or restraint from their owners. It almost seems that the majority, who possess without caring for these brutes, suppose that a municipal license, to exist, carries with it a privilege to trample and pollute. For, apart from the indecency of their animal nature, their filthy habits are positively destructive. Even robust vegetation is seared by them, and their fire by file is death to each tenderer plant. Of no conceivable use to any one, and an actual damage to many! they are suffered to run at large, careering over garden and park; not maintained for sport, or watch and ward; but kept in an extravagant existence, idle, mischievous, and pernicious. Their existence offers this inscrutable problem: at which end are they least noxious!

Unquestionably, much of the mischief done to the public property is a result of thoughtlessness. Let one child take a bloom, even from an Azalea, and its loss might not be noticed. Let all do so; and all have multiplied the rights, as they should



feel the restraints of one; and what would be left for the enjoyment of the community at large! The *Chairman* gladly makes record of the ready obedience yielded to him, when he has thought that juvenile exuberance was verging upon mischief. But he can not be omnipresent. And wantonness sometimes takes upon itself shape and form,—or mars both,—in those dark glimpses of the moon where so much is disclosed to the “Tireless Watchers.” Two or three gentlemen of this City, authorized as special Police, could put a new aspect upon the cause of moral reform by a system of judicious checks imposed upon what they see, or *think they see!* Their leisure might not be wholly wasted in restraining an hallucination! If they curbed aught else,—so much the better.

But there can be no necessity,—as there will hereafter be no tolerance,—for the disregard of obvious rules which insist that the use of public property shall not degenerate into its abuse and destruction. The COMMISSION claim the credit of having been “slow to anger.”

The COMMISSION have frequently called attention to the need of a more vigilant supervision of the *Public Grounds*, by the paid Police, especially upon Holidays and Sundays. Generally resorted to upon such occasions, it is not surprising that the rude and boorish should, at times, molest and offend the peaceful and well-behaved throng. Very rarely, a more flagrant case is developed, in which an overt tendency to crime requires summary check or punishment. An instance of this nature happened, last February, that deserves attention because of some peculiar features which characterise it. An attempt at indecent assault, upon a little girl who was skating in *Elm Park*, was arrested, and the offender taken into custody by Officer Martin, to whose fortunate proximity the people are indebted; and to whose ready zeal and willing co-operation upon all occasions, the COMMISSION would bear open testimony. The offender, in this case, was put under heavy bonds for his appearance before the Grand Jury, at the ensuing May Term. *He never appeared.* In some mode, that may bear investigation, the case was stifled and the accused committed to the State Lunatic Hospital—Chronic. Now—here was no trial,—and of

course no commitment to the Hospital, under sentence. Why is not this man as free as ever to invade our streets and *Public Grounds*, and satiate his beastly propensities? He had been in the Hospital, before; and his relations, if not the officials, had been warned that he was an unsafe person to be at large. Arrests are useful: but of how much real value can they be, if neither legal punishment nor restraint shall ensue?

More recently—in November last, on Sunday, the 3d, a crowd of half-grown boys were allowed to amuse themselves by stoning the fountain. One of them was overheard to say: "Let's break the damned thing, any way!" At sight of the *Chairman* of the COMMISSION, who was just then entering the *Park*, in the constant exercise of an oversight that might well be relieved by the occasional supervision of some of our paid officials, the youthful offenders took to their heels. Just so,—the "wicked flee when no man pursueth."

Appreciating fully later steps in the desired direction, the COMMISSIONERS nevertheless feel that they owe it to their own sense of duty, to impress upon the *Honorable Council* a conviction of the absolute importance of due protection to the public peace and property within the *Public Grounds*. Sin and crime intruded into Eden: but it did not remain unnoticed and unmolested.

But the duties of the COMMISSION are not wholly unrelieved by gleams of sunshine. What brighter vision could they wish to behold than that which fascinated their gaze on May 4th, when a Bridal Party, the ceremony completed, selected ELM PARK as the scene of innocent enjoyment: their white garments blending and contrasting with the nascent foliage and herbage, and their sportive freedom challenging admiration and envy from those older, and hopeless of renewing their youth!

And still those Marriage Fees pass through the hands of the City Clerk, but to be merged in Contingent Expenses, or lost in the fathomless abyss of the Sinking Fund.

A number of Ducks and rare Geese were placed in the Pools of ELM PARK, during the past season, for whose introduction, acknowledgement is due to the unselfish zeal and co-operation

(Copy.)

COMMISSION OF PUBLIC GROUNDS,

Worcester, Mass., July 5th, A.D. 1879.

*To his Honor, the Mayor, as Chairman, acting with the Committee, to which was referred the Petition of Charles Belcher.*

DEAR SIR,

IN consideration of liberty to withdraw the reference in the text of my latest Annual Report upon the Public Grounds, to the action of Charles Belcher in the matter of certain Water Fowl, I very cheerfully agree that the foot note in said Report, nullifying that reference, be regarded as retracted without reserve. The desire of yourself, and of your associates upon the Committee, concurring with my own, that all mention of said Belcher be eliminated from the Report under review.

I have the honor to subscribe myself,

with the utmost sincerity,

Yours, &c.,

EDWARD W. LINCOLN,

*Chairman.*

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of Mr. Charles Belcher.\* It has been pleasant to note the constant interest taken in these Water-fowl; to observe how their habits and wants were studied, and with what assiduity children and, as often, grown people, would spend hours in feeding them and watching their movements. Even such positive instruction in Natural History may not be despised by the pedant. And, encouraged by their observation of this interest in the Water-fowl,—so universal and continuous,—the COMMISSION will cherish, yet more tenaciously, their hope of, at some time, enclosing Deer within that depressed triangle of land, at the North-Western corner of the Park, where occurs the intersection of Highland Street by PARK AVENUE.

A slight service which it fell within the power of the *Chairman* of the COMMISSION, in a private capacity, to render to Messrs. Ellwanger & Barry, of Rochester, New York, was richly repaid by those eminent Horticulturists in the only way in which remuneration would be accepted. A crate was received from them, carefully packed, wherein were found, in admirable condition, the following named bulbs or roots, of which a descriptive list is recited, in justice to the donors, viz:—

*Lilium* :

Var . . . *Album* ; *Auratum* ; *Roseum* ; *Rubrum*.

*Pæonia Paradoxa* ; var. *Pulcherrima plena* ; crimson, with purple shade ; centre petals small and compact.

*Pæonia Officinalis* , ; var. *Andersoni*,—single, rosy blush ; very early and showy ; dwarf.

*Rosea*,—

*Rubra*,—double crimson ; of monstrous size.

*Schiller* [E. & B.] purplish red ; double, and very fine.

*Pæonia Sinensis* : var,—

*Anemone flora striata* ; outer petals large, rosy violet ;

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\* NOTE. While these Reports should "nothing extenuate, nor ought set down in malice." yet it is indispensable to their retention of the implicit faith hitherto reposed in their statements, that they should utter only absolute verity. The above tribute, in the text, is therefore retracted ;—if, with regret, without reserve. The City may have fewer Geese ;—! but it will also credit one less imposture.

inside ones small, rose and salmon; very large and fine.

*Baron James Rothschild*,—outside petals rose, centre salmon; very large and fine.

*Var: Carnea elegans*,—Flesh color, with a few carmine streaks in the centre.

“ *Carnea striata*, [E. & B.] Flesh color, striped with red, very fine.

“ *Claptoniana*,—Creamy white; inside petals straw color.

“ *Delachii*,—dark purplish crimson, resembling *Potsii*, but more double and richer foliage; one of the best dark.

“ *Duchesse d' Amaule*,—Light rose; centre straw color, tipped with red; beautiful.

“ *Edulis, vel fragrans*,—Violet rose, all of one color, very full and sweet.

“ *Globosa grandiflora*,—

“ *Grandiflora carnea plena*,—Very large; outside petals delicate blush; centre fringed, yellowish; sweet and fine.

“ *Isabella Karlitzky*,—Deep rose; centre petals small, shaded with salmon.

“ *Louis von Houtte*,—Dark crimson, very compact.

“ *Modeste*,—Deep rose, bright, showy; very large, distinct and fine.

“ *Mutabilis rosea*,—Outer petals rose, centre blush.

“ *Papaveri flora*,—White, lightly tinged with yellow, and marked with red in centre; very fine.

“ *Plenissima rosea superba*,—Very large, globular and full; deep rose, slightly tinged with salmon; superb.

“ *Purpurea superba*,—Very large, purplish crimson flower; outside petals large; centre small and compact; tallest and most showy.

“ *Reevesi*,—Delicate rose, clouded; centre petals fringed.

“ *Reine des Roses*,—Deep rosy lilac; large and full, superb.

“ *Striata rosea alba*; Blush, nearly white; inside petals fringed, slightly marked with red.

“ *Triomphe du Nord*,—Violet rose, shaded with lilac; beautiful.



It will be noticed that a majority of these Pæonies are of the variety known as the *Sinensis*. Must the Chinese go?

The COMMISSION would also express their sense of obligation to Mrs. A. D. Foster, for vigorous specimens of *Cornus florida*; and to their associate, Mr. Hadwen for a young and thrifty tree of *Larix leptolepis*;—a new Larch which promises to surpass its Scotch congener in beauty and delicacy of grace. The *Chairman* as usual, planted out such Geraniums and other flowering plants as he had kept through the Winter; and these with their off-sets, helped to ornament the knoll southward from the Diamond Pool. A few seedlings of the *Aquilegia Chrysantha* also survived exposure, in a location that was too moist for them, and which proved fatal to a majority of similar plants. Well-founded hopes of better fortune, on a more extended scale, are cherished for the coming season. A somewhat unfortunate experience of the *Chairman* will bear allusion, and may be a caution to others. Hearing of the discovery, in Florida, of the *Nymphæa flava*,—a yellow-blooming variety, of which our common White Pond Lily,—*Nymphaea Odorata*,—is the predominant type at home, he procured some roots and sank them in the Diamond Pool. They started finely and were putting forth vigorous leaves when the Water-Fowl were introduced. Thereafter every leaf was nipped off as it appeared. The *Nymphæa* from Florida might not have survived our winters. But it was a disappointment, not to be allowed to test its endurance. The trial may be renewed, after the completion of the *Circular Pool*, from which, in that event, Water-fowl will have to be excluded. And, most likely,—the small boy who loveth nothing better than to roll up his trousers and wade in for flowers that he knows are in-lawed.

The Act, to enable the City of Worcester to acquire Newton Hill for the purposes of a Park and a Reservoir, was renewed, at the instance of the COMMISSION, after consultation with the Municipal Authorities. There is no probability that it will be employed for the present. It would be no part of the purpose of the COMMISSION, to show what might be accomplished in the way of landscape gardening, as has been pleasantly imagined elsewhere, were that Hill in possession of the City.

Some stones removed or put out of sight; some trees planted, in clumps, for wind-breaks; and possibly facilities for a somewhat fearful enjoyment of the toboggan! That would be all; the ground left, free as air, for common fun and recreation. Very likely,—nothing will come of it. But, burdened as it is, even Worcester may yet profit from the knowledge that (given the water) street mains are cheaper than hose.

In the very first Report of the COMMISSION, as now instituted, while suggesting a comprehensive plan for the adornment and greater convenience of the City, occurs the following passage:—“Above all—as indispensable to the completion and symmetry of the design, LAKE QUINSIGAMOND should be embraced within its scope. The eye of covetousness already glances at that beautiful sheet of water. It may be that the people of Worcester will consent to hold the fairest ornament of their city at the will, or upon sufferance, of the capital: but it is not believed that such tame acquiescence will be permitted by any one who has the wit to foresee, in a utilitarian sense only, the advantages that would follow upon its undisputed control. 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.”

This particular project, like most others that are in advance of their time, attracted little attention. To that indifference there was, however, one notable exception. George Jaques;—a public benefactor,—whose mind was not so fraught with its own purposes and plans of exceeding munificence, that he could not perceive the merit of measures proposed for the common welfare; cordially welcomed the suggestion, and advocated it in the newspapers of the day. Since then it has

rested. On the 20th day of July, ult., the subjoined paragraph was published in the Spy:—

“ “ As an explanation of the reason of the present low water in the Lake, it may be stated that the mill-owners down stream have found their dams unsound, and rather than repair them, have drawn off the pond, lowering it four feet. It is a great inconvenience in many ways, and mars the beauty of the Lake. It seems too bad that private interests should so stand in the way of the public good.”

That is bad, it is true enough. But there is one thing which is worse and at the same time inexpressibly humiliating. A great community, of the English speaking race, heretofore somewhat famous for resisting the first attempts at encroachment, submits supinely to action prompted by selfish greed. 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.

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. Few of our people know where, or what is the outlet of the Lake,—a wide-spread ignorance in which the writer confessedly shared,

until recently. How many are aware that the erection of a sufficient dam—but a few rods long—is all that is essential to the maintenance of the water, in the Lake, at any height desired? A level would be attained, with perfect ease, that, permitting to the mill-owners every existing right, would overflow the shores now laid bare, and restore facility of access to countless points and places which have been rendered almost inaccessible. In the coming conflict with privilege, this shall not be the least among the issues to be determined;—how far shall the common weal, as embodied in the common law, be set aside and perverted by every dog-in-the-manger!

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.

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.

All which is Respectfully Submitted, by

EDWARD WINSLOW LINCOLN,

*Chairman.*

WORCESTER, MASS.,

January 27th, A. D., 1879.



# Report of the Superintendent

OF

## PUBLIC BUILDINGS.

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OFFICE OF THE SUP'T OF PUBLIC BUILDINGS,  
464 Main Street.

*To the Honorable City Council:*

I herewith submit my Fourth Annual Report of the condition of the several Public Buildings, and the amount expended for the year ending Nov. 30th, A. D., 1878.

### ARMORY.

The repairs, commenced late in the year 1877, for strengthening the building, were completed early in the present year, and have resulted in overcoming the vibration to a large extent. The cost has been,

For Carpenter's labor, Lumber and		
Iron work, . . .	\$745	99
O. W. Norcross, services as expert,	15	00
W. H. Jourdan, coal, . . .	4	40
Other repairs, . . .	43	64
Repair of stoves, . . .	25	18
New stoves, . . .	22	80
Coal, . . .	15	00
Janitor, . . .	45	00
Total, . . .		\$866 41



## GRAFTON STREET SCHOOL BUILDING.

The Order of the City Council, of October 15th, 1877, directing the alteration of the dwelling house on the Earle estate, has been complied with and the building fitted up to accommodate two schools of fifty scholars each, at the following cost:

For Cost of alteration of building,	. . .	511 37
Fencing and painting,	. . .	158 00
Stoves, pipe and labor,	. . .	135 05
100 School desks,	. . .	225 00
<hr/>		
Total,	. . .	\$1,029 42

## WINSLOW STREET SCHOOL HOUSE.

The Order for the erection of this building was passed by the City Council of April 29, 1878, and the plans and specifications were made as expeditiously as possible, and the building was contracted to W. O. White, for the sum of seven thousand seven hundred and twenty-five dollars, this being the lowest of thirteen bids. Work was commenced immediately after the signing of the contract, and the building was finished and occupied Sept. 10. Although built in this short time—too short, in my judgment, to ensure a thoroughly good building, it will, in my opinion, compare favorably with any in the city, and the contractor, Mr. William O. White, has carried out the contract in a faithful and conscientious manner, and to the satisfaction of the Committee and Superintendent. The original order not contemplating the furnishing, heating, grading and fencing, an order was passed by the City Council, transferring two thousand dollars from the License Fund for this purpose. The items are.

For W. O. White, contract,	. . .	\$7,725 00
“ “ extra,	. . .	135 98
S. W. Dearborn, extra brick work,		100 96
H. F. Edwards, 2 Vaile ventilators,	. . .	46 00

Engineer's plans, &c., . . . . .	164 50
Advertising, . . . . .	7 48
Plumbing, 2 extra sinks in base- ment, . . . . .	12 50

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Whole cost of building, . . . . .	\$8,192 42
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The cost of grading, fencing, heating and furnishing has been,

For two No. 6 Barstow furnaces, . . . . .	\$495 00
S. W. Dearborn, brick foundation and cold air ducts, . . . . .	19 38
A. G. Whitcomb, 203 school desks, . . . . .	609 00
W. S. Childs, 4 teachers' desks, . . . . .	60 00
T. M. Lamb, 4 Willard school clocks, . . . . .	44 00
Clark & Sawyer, curtains and fix- tures, . . . . .	48 00
Carpenters labor, putting down desks and painting black- board, . . . . .	32 90
L. G. Howe, blackboard slating, . . . . .	15 00
J. B. Lawrence, chairs, . . . . .	20 60
W. O. White, fencing lot, . . . . .	160 00
Wm. Knowles, for sewer, . . . . .	24 50
A. E. Curtis, concrete, . . . . .	35 00
A. Brown, carting and freight, . . . . .	20 10
Worcester Water Works, service pipe, . . . . .	27 52
J. & J. A. Rice, lawn grass, . . . . .	1 25
Engineering for fence, . . . . .	4 50
G. D. Webb, grading lot, . . . . .	148 04

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Total cost, heating, &c., . . . . .	\$1,772 75
Total cost of building, . . . . .	8,192 42

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Whole cost, . . . . .	\$9,964 17
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## FREE PUBLIC LIBRARY.

The repairs contemplated by the special appropriation of \$4,000.00 by the City Council have been completed, with the exception of the elevator, which has not been accepted by the committee, the capacity not being what was required by the terms of the contract, and a new cylinder is to be put in at once. In making so extensive repairs, many things which were not contemplated were constantly claiming attention, and what seemed absolutely essential were done, as far as possible. There are several things remaining which ought to be done soon. The stucco work in the cornice of the Green Library has become badly cracked by the constant soaking from the leaky roof, is badly stained and so loose, in many places, as to be in danger of falling off. This, I think, should be repaired, and the remainder of the cornice and ceiling whitened. The estimated cost of this is \$250.00. The total cost of repairs, exclusive of the elevator, have been \$3,013.34.

## FIRE ENGINE AND HOSE HOUSES.

The Engine and Hose Houses are all in good repair, with the exception of the House of Hose 2, and for which the City Council has passed an order directing the building of a new house on the school house lot, corner of Grafton and Providence streets, to be built early in the Spring. The house of Steamer 4, at New Worcester, having become unfitted for the use of the Company and Apparatus, the building has been repaired and enlarged by the addition of twenty feet upon the back end, a new floor has been put in, the Engine-room sheathed, and the second story finished for Company-room, with provision for Bath and Sleeping-room if they should be required, and Painted throughout.

The Stalls at the Beacon Street House have been remodeled and made to face toward the Steamer and Hose Carriage, making a decided improvement.

The total cost of repairs has been, . . . \$1,688 31

G. S. Clough, contract,	\$760 00	
G. S. Clough, for water closet and extra work,	84 64	
A. W. Fairbanks, painting contract,	125 00	
A. W. Fairbanks, graining and varnishing, extra,	20 95	
		<hr/>
The cost of additions and alterations of Engine House, at New Worcester,		\$989 95
For changing stalls at Beacon St. House, labor and materials	199 71	
For repairs of stable, Bigelow Court, labor and materials,	83 86	
For repairs of doors, cutting through wall and putting in new door for Steamer 3 house,	47 27	
For varnish, Babcock Extinguisher,	9 37	
For new floor at Hose 7 house, stock and labor,	89 76	
Lumber for floor, Fire Patrol house,	31 88	
For papering Company-room at New Worcester, Steamer 4 house,	22 32	
For new stoves, pipe and repairs,	172 60	
For general repairs,	41 59	
		<hr/>
Total,		\$1,688 31

## CITY HALL.

The outside of the City Hall has been thoroughly repaired and painted, the chimney tops relaid and a new concrete floor has been put in one-half the basement, the remaining portion not being in so bad condition. The boiler now in use has become so much worn by reason of the constant use and exposure to dampness, that a new boiler will be needed soon, and I would respectfully suggest that as soon as may be after the weather becomes such that its use can be dispensed with, it be carefully inspected and tested.

The cost of repairs has been,	.	.	.	\$1,381	23
There has also been expended for furniture and repairs of furniture, the sum of	.	.	.	53	69

## CITY FARM.

All the buildings at the City Farm are in good repair, and have been well painted during the Fall. The cost has been for stock and labor, painting house, etc.,	.	.	.	.	\$198	83
Stock and labor, painting barns and sheds,	.	.	.	.	275	74

## SCHOOL HOUSES.

The several school buildings are in good repair as a general rule. Some of the older buildings are not in as good condition as could be desired, but nothing has been neglected which has seemed to demand attention.

A considerable amount of painting and whitening has been done during the year. I have been called upon by the Committee on School Houses of the School Board, to furnish and fit up during the year school rooms as follows: One in the Woodland street building by partitioning off from the hall. Similar rooms in each of the Ledge and Belmont school buildings, with the vacant recitation room in the Belmont building. The two vacant rooms in the Dix street building, the one in the French roof and the basement room have both been occupied. Dressing rooms in each of the Thomas, Ash and South Worcester buildings were fitted up and used during the Spring term. Two rooms have been rented of the Providence & Worcester R. R. at the Green Street Station, and a room is rented at New Worcester. The building at Trowbridgeville has been shingled, painted and plastered, and the building in the Chamberlain district has been shingled. New outbuildings have been built at New Worcester and Lamartine street. The lower room in the Washington street building has been changed by

moving the dressing-rooms from the west end to the opposite end of the room, and a door cut in upon the south side. Water closets have been put in and the sewer entered. The fence around the Providence school-yard has been rebuilt and painted. The total cost of repairs of all kinds has been \$6,170.07, of which the

Repair of stoves was . . .	\$1,193 17
“ of School clocks, . . .	131 80
“ of High school clock, . . .	26 75
For Shingling and painting Trow-	
bridgeville, . . .	87 40
Shingling Chamberlain, . . .	58 96
“ Valley Falls, . . .	13 26
Fence at Providence st. and painting,	156 55
New room at Ledge st. Hall, . . .	77 94
“ “ Belmont Hall, . . .	46 12
“ “ Woodland, . . .	42 24
Repairs, Washington st., . . .	153 55
“ of chimneys, . . .	90 85
New outbuildings, New Worcester,	134 61
“ “ Lamartine, . . .	135 66
Painting Dix st. house and fence,	120 00
Setting glass, . . .	18 62
Painting Lamartine house and fence,	90 00
Setting glass, . . .	3 50
Painting Union Hall, . . .	65 00
Setting glass, . . .	2 75
Repairs of vault and lowering	
sewer pipe, Pleasant street, . . .	146 72
Entering sewer, Washington, st.	47 00
Connecting sinks with sewer, . . .	21 87
Paving one room, Woodland st.	
basement, . . .	59 00
Cesspool, Union Hill, . . .	20 65
Relaying walks, Thomas street, . . .	31 10
Concreting walks, So. Worcester,	42 72



Concreting walks, Lamartine, .	20	70
Repairs of vault, relaying sewer and connections, Ash street,	236	95
Repairs on black boards, .	135	57
Grading yards, Woodland, .	90	00
“ “ Providence, .	25	50
“ “ Sycamore, .	12	00
New fountain, Ledge, .	47	56
“ urinal, “ .	60	26
“ “ Dix, .	45	00
“ Sinks, Oxford, .	26	73
“ Plastering two ceilings, Ash,	51	40
“ “ Repair, Adams Sq.,	21	50
Whitening and kalsomining, .	373	60
Trucking, .	299	88
Changing steam pipes, Belmont,	70	70
Cutting trees and repairing catch basin, Thomas st. .	29	45
Repair of fountain, High school,	11	25
Paving repairs, Summer and Walnut, .	48	75
Repairs of plumbing, .	95	62
“ “ slate, .	60	97
Hardware, .	181	58
Lumber, .	207	27
Paint stock, .	174	69
Labor, carpenters, .	830	35

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\$6,170 07

## CITY STABLES.

The City Stables and connecting buildings are in good repair and a small amount will keep them in their present good condition.

Amount of stock on hand of every description  
at shop, 36 School street, . . . \$325 07

## MATERIALS SOLD.

Old iron, . . . . .	\$7 01
Wood and lumber, . . . . .	5 50
Old desks and furniture, . . . . .	59 87
“ materials, various kinds, . . . . .	10 75
	<hr/> \$83 13

In conclusion I wish to express my sincere thanks to the members of the Committee on Public Buildings for their uniform kindness and to all others with whom it has been my fortune to be associated.

Respectfully submitted,

C. H. PECK,

*Superintendent of Public Buildings.*

## T A B L E.

*Showing the Location, Size and Valuation of the School-houses  
and School-house Lots belonging to the School Department.*

LOCATION.	Material.	Stories.	Size.	No. of School-rooms.	Total value of Houses and Lots.
High.....	Brick,	3	130 x 87	14	\$197,508
Walnut Street.....	"	3	50 x 70	6	44,210
Belmont Street.....	"	2	90 x 92	11	39,860
Dix Street.....	"	2	96 x 60	11	40,500
Woodland Street.....	"	2	96 x 60	10	38,000
Lamartine Street.....	"	2	96 x 60	11	39,608
Washington Street.....	"	2	50 x 30	2	12,891
Ledge Street.....	"	2	96 x 60	12	42,667
Thomas Street.....	"	3	75 x 56	10	38,750
Sycamore Street.....	"	2	75 x 52	8	37,625
East Worcester.....	"	3	62 x 50	6	25,260
East Worcester.....	"	2	52 x 30	4	9,030
Providence Street.....	"	4	62 x 50	8	49,000
Grafton Street.....	Wood,	2	24 x 46	2	5,000
Ash Street.....	Brick,	3	59 x 51	6	17,520
South Worcester.....	"	2	75 x 32	9	25,918
Oxford Street.....	"	3	52 x 50	5	34,500
Winslow Street.....	"	2	66 x 51	4	13,000
Salem Street.....	"	2	62 x 50	4	18,522
Edgeworth Street.....	"	2	62 x 50	5	18,538
New Worcester.....	"	2	50 x 36	4	12,980
Summer Street.....	Wood,	2	51 x 48	5	12,150
Quinsigamond.....	Brick,	2	75 x 32	6	24,725
Mason Street.....	"	2	44 x 30	2	7,980
Adriatic.....	Wood,	2	45 x 30	4	6,100
Union Hill.....	"	2	38 x 28	2	3,100
Northville.....	Brick,	1	73 x 30	2	6,500
Tatnuck.....	"	2	43 x 32	2	5,360
Valley Falls.....	Wood,	1	28 x 22	1	600
Trowbridgeville.....	"	1	25 x 30	1	375
Blithewood.....	"	1	36 x 28	1	1,600
Bloomington.....	Brick,	1	40 x 32	1	3,200
Adams Square.....	"	1	40 x 32	1	3,100
Burncoat Plain.....	"	1	31 x 28	1	2,700
North Pond.....	Wood,	1	40 x 32	1	1,900
Chamberlain.....	"	1	38 x 22	1	1,300
				183	\$841,577

## ENGINE AND HOSE HOUSES.

NAME.	LOCATION.	No. feet in Lot.	REMARKS.
Gov. Lincoln No. 1, S. E. Combs No. 2, A. B. Lovell No. 3, Rapid No. 4, City Hose No. 1, 2, Ocean Hose No. 2, Eagle Hose No. 3, Niagara Hose No. 4, Yankee Hose No. 5, Tiger Hose No. 6, Protector Hose No. 7, Babcock Extinguisher, Hook and Ladder No. 1, Hook and Ladder No. 2, Bell Tower,	Biselow Court, Cor. Beacon and Lagrange Sts., School St., Webster St., School St., Bloomingtondale, Carlton St., Exchange St., Myrtle St., Pleasant St., Lamartine St., John St., Court, Bigelow Court, Thomas St., Pleasant St.,	5,310 8,000 7,088  1,270 500 1,277 6,106 47,096 1,837	Head-quarters of the Chief Engineer and assistants in this building.  With Steamer 2. On B. & A. R. R. land.  Ward 6 ward room in this building. Ward 5 ward room in this building. With Steamer 1. On School-house lot.

## OTHER BUILDINGS.

City Hall, Armory, City Stable, Free Public Library, City Farm, Water Works Shop, City Shop, City Hospital, Building formerly occupied by 5th Battery, Salem Street. Building occupied by Street Light Department, Salem Street.	Cor. Front and Main Sts., Waldo St., Salem St., Elm St., Boylston St., Thomas St., School St., Wellington St.,	Common 7,258 17,959 9,902  10,525 8,265	{ City Offices, Police Station and Police Court Room, Ward 7 ward room in this building. Ward 3 ward room in this building.
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FREE PUBLIC LIBRARY.

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R E P O R T S

OF THE

DIRECTORS AND LIBRARIAN.

# DIRECTORS IN 1879.

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		TERM EXPIRES.
GEORGE E. FRANCIS,	EMERSON WARNER,	Jan. 1, 1880
PETER C. BACON,	EDWARD H. HALL,	" 1881
NATHANIEL PAINE,	J. EVARTS GREENE,	" 1882
WILLIAM R. HUNTINGTON,	WILLIAM CROSS,	" 1883
FRANCIS A. GASKILL,	SAMUEL D. HARDING,	" 1884
THOMAS J. CONATY,	WILLIAM DICKINSON,	" 1885

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## ORGANIZATION FOR THE YEAR.

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PRESIDENT.  
PETER C. BACON,

SECRETARY AND TREASURER.  
NATHANIEL PAINE.

### COMMITTEE ON THE LIBRARY.

E. H. HALL, G. E. FRANCIS, NATHANIEL PAINE.  
W. R. HUNTINGTON, F. A. GASKILL,

### COMMITTEE ON THE READING ROOM.

J. EVARTS GREENE, WILLIAM DICKINSON, T. J. CONATY.

### COMMITTEE ON THE BUILDING.

EMERSON WARNER, WILLIAM CROSS, S. D. HARDING.

### COMMITTEE ON FINANCE.

WILLIAM CROSS, P. C. BACON, J. EVARTS GREENE.

### LIBRARIAN.

SAMUEL S. GREEN.

MISS SARAH F. EARLE, Assistant Librarian, Green Library.

MISS JESSIE E. TYLER, Assistant Librarian, Circulating Library.



# DIRECTORS' REPORT.

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*To the Honorable Charles B. Pratt, Mayor, and the City Council  
of the City of Worcester :*

The Directors of the Free Public Library respectfully submit their Nineteenth Annual Report.

The annual reports of the Librarian, of the Standing Committee on the Library, of the Reading Room, of the Library Building, and of Finance, and the annual report of the Treasurer of the Reading Room Fund, all of which are herewith transmitted, will furnish a detailed account of the Library and Reading Room, the Library Building and the Finances of the Institution, and of the Reading Room.

In these will also be found a detailed account of the management of the Library and Reading Room during the past year.

They would call attention to the Reports as containing valuable information in regard to the Institution and its management. The very able and interesting Report of the Librarian, Mr. Samuel S. Green, will be found to embody information and suggestions of great value. It appears by his Report, that additions to the Library during the past year have been made as follows :—

To the Green Library there	
have been added by purchase, . . . . .	338 vols.
And by gift and otherwise, . . . . .	53 vols.
Total, . . . . .	<hr/> 391 vols.

To the Intermediate Department there have been added by purchase,	. 188 vols.	
And by gift and otherwise,	653 vols.	
		<hr/>
Total,	. . .	841 vols.

To the Circulating Department there have been added by purchase,	. 892 vols.	
And by gift and otherwise,	27 vols.	
		<hr/>
Total,	. . .	919 vols.

The additions, in all, amount to,		<hr/> 2,151 vols.
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There have been withdrawn from the Circulating Department 202 vols. Number of vols. missing: Green Library 4, and Circulating Department 14; in all 220 vols., which taken from the additions, 2,151 vols., leaves the increase for the year 1,931 vols.

Adding these to the number of volumes as represented in Dec. 1877, 43,224, the Library now contains 45,155 vols., of which the Green Library has . 18,628 vols.

The Intermediate Department,	. . .	8,939 vols.
And the Circulating Department,	. . .	17,588 vols.
		<hr/>
Total,	. . .	45,155 vols.

From the Report of the Committee on Finance, it appears that out of the City appropriations of . . . \$8,000 00

And Dog Fund of	. . .	2,722 18
And Fines, &c,	. . .	514 31
		<hr/>

In all,	. . .	\$11,236 49
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and exclusive of the special appropriations made by the City Council this year for repairs of the Library Building and Elevator, the following sums have been paid for the following purposes, viz:

For Purchase of books, . . . . .	\$1,452 52
Salaries of Librarian and assistants, . . . . .	5,389 22
Wages of Janitor and Messenger, . . . . .	400 00
Additional Library services, . . . . .	746 42
Binding books, . . . . .	945 09
Coal and wood, . . . . .	201 65
Gas, . . . . .	978 06
Reading room, . . . . .	100 00
Freight and postage, . . . . .	265 44
Postals, . . . . .	60 00
Paper for covering books, . . . . .	89 36
Ordinary repairs and small furniture, . . . . .	56 41
General repairs, . . . . .	153 31
Insurance, . . . . .	105 00
Indexing, . . . . .	50 00
Printing lists of additions, . . . . .	126 57
Other printing and charging slips, . . . . .	103 89
Cards for cataloguing, . . . . .	4 50
Water, . . . . .	5 00

The income of the Green Library Fund has been, for the year ending Nov. 30, 1878, \$2,415.18. Of this, one-fourth, \$603.80 has been added to the fund, and the remaining three-fourths, \$1,811.38, has been appropriated in accordance with the provisions of Dr. Green's will.

#### STATEMENT OF THE FUND.

Notes secured by mortgage, . . . . .	\$26,048 50	
Bank stock, par value, . . . . .	9,300 00	
Deposits in Savings Banks, . . . . .	2,147 64	
	<hr/>	\$37,496 14
Balance on deposit, Nov. 30, 1878, . . . . .		1,869 51
There was on deposit Dec. 1, 1877, . . . . .	\$1,687 06	
Three-fourths income in 1878, . . . . .	1,811 38	
Interest on deposits, . . . . .	44 72	
	<hr/>	\$3,543 16
Expended in the purchase of books, . . . . .	1,643 46	
Paid premium on investments, . . . . .	30 19	
	<hr/>	\$1,673 65
Balance on deposit Nov. 30, 1878, . . . . .		\$1,869 51

It may be proper here to add that the reason why so much of the Green Library Fund remains on deposit in Savings Banks, is that it has not been found practicable to obtain real estate mortgages such as were safe and proper for investment as required by the will of Dr. Green.

With a very small outlay upon the building, referred to in the Report of the Building Committee, it may now be presumed to be in complete repair, and well adapted to the purpose for which it was designated. The Elevator has not, as yet, been paid for, as it has not as yet been found to operate to the satisfaction of the Committee on Public Buildings of the City, under whose supervision it was put in, or of the Directors of the Library.

As far as the means at their command have allowed them, the Directors have endeavored to meet and supply the wants and requirements of the community.

In conclusion, they can but hope that a liberal and generous support may be continued to the Library, as the Directors can but repeat what they desire to emphasize, that the Public Library is one of the most valuable and important among our Educational Institutions, and well deserves the support and encouragement of the city.

We therefore again commend it to the care and favor of the City Council.

P. C. BACON,

*President.*

FREE PUBLIC LIBRARY, Dec., 1878.

# Report of the Librarian

OF THE

## FREE PUBLIC LIBRARY.

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*To Honorable Peter C. Bacon, President of the Board of Directors  
of the Free Public Library.*

Following is the nineteenth annual report of the librarian.

It is the eighth which I have had the honor to present to the Board of Directors.

At the first meeting of the American Library Association, held in New York a year ago last September, it was voted to recommend the use, by all libraries, of a plan for the presentation of statistics which had been prepared by the Co-operation Committee of the association and slightly amended by itself.

It is obviously desirable that statistics of institutions which are similar, should be kept on a uniform plan, in order to make possible a comparison of the value and character of the work done by them.

Such tables as are given here, when provided for in the blank recommended, will be given in the form desired by the association.

### ACCESSIONS.

Increase of volumes by purchase:

Green Library, . . . .	338
------------------------	-----

Intermediate Department, . . . . .	188	
Circulating Department, . . . . .	892	
	<hr/>	1,418
Increase of volumes by gifts :		
Green Library, . . . . .	3	
Intermediate Department, . . . . .	447	
Circulating Department, . . . . .	14	
	<hr/>	464
Increase of volumes by binding pamphlets :		
Circulating Department, . . . . .	2	
	<hr/>	
Increase of volumes by binding periodicals :		
Green Library, . . . . .	50	
Intermediate Department, . . . . .	191	
Circulating Department, . . . . .	11	
	<hr/>	252
Increase by placing unbound volumes of periodicals in the library :		
Intermediate Department, . . . . .	15	
	<hr/>	2,151
Number of volumes withdrawn since the last report :		
Circulating Department, . . . . .	202	
	<hr/>	
Number of volumes missing since the last report :		
Green Library, . . . . .	4	
Circulating Department, . . . . .	14	
	<hr/>	18
		220
		<hr/>
		1,931
Number of volumes in the library as last reported :		
Green Library, . . . . .	18,241	



Intermediate Department, . . . . .	8,098	
Circulating Department, . . . . .	16,885	
	<hr/>	43,224
Total number of volumes in the library,		<hr/> 45,155
Increase of unbound pamphlets by purchase :		
Green Library, . . . . .	1	
Intermediate Department, . . . . .	18	
	<hr/>	19
Increase by gift :		
Intermediate Department, . . . . .		264
		<hr/>
Total increase for the year, . . . . .		283
Number of newspapers subscribed for :		
Reading room fund, . . . . .	78	
Green Library fund, . . . . .	15	
City funds, . . . . .	1	
	<hr/>	94
Number of newspapers given to the		
reading room, . . . . .		30
Number of magazines subscribed for :		
Reading room fund, . . . . .	38	
Green Library fund, . . . . .	31	
City funds, . . . . .	9	
	<hr/>	78
Number of magazines given to the		
reading room, . . . . .		8

It will be noticed that we have bought 1,080 volumes during the present year, instead of 1,431 as is the year previous, for the circulating and intermediate departments.

The amount of money available from the city appropriation, for the purchase of books, has been steadily decreasing for several years past. In the year beginning December 1, 1872, and ending November 30, 1873, we spent from the city fund \$6,670.60 for books and stationery; in the year 1873-4, \$5,806.33;

in the year 1874-5, \$5,586.36; in the year 1875-6, \$4,792.15; in the year 1876-7, \$2,275.47; and in the year now closing, 1877-8, \$1,503.60.

In this report the number of volumes of periodicals bound and added to the library is given as 252. In the last report, the item "Volumes of periodicals transferred from the Reading Room to the Intermediate Department," which is the only item in that report relating to the addition of bound volumes of magazines, papers, &c., to the library, stands 174.

The increase is owing to more accurate methods introduced this year in distinguishing in our records between books and periodicals. Many volumes of periodicals have been hitherto counted as books added, instead of as additions from binding, when the periodicals are such as it is not our custom to expose in the Reading Rooms.

Appendices I. and II. contain lists of givers of books and papers, magazines and reviews.

Mrs. Ann B. Earle, the widow of a deceased director, Edward Earle, has given us 57 books, 4 pamphlets, and 10 magazines.

This is a valuable gift, and consists largely of reports of reformatory and charitable institutions, in which Mr. Earle was interested, or with which he was connected. Senator George F. Hoar, whom we remember as a former president of the board, and as one of the chief benefactors of the library, has sent us ninety-nine volumes, three pamphlets, and nine maps. Hon. William W. Rice, one of the earliest presidents, and in the inception of the library, and always, one of its warm friends, has been enabled, as member of Congress, to send us eighty-three volumes and one pamphlet.

We prize highly a little gift of 17 volumes from the children of the late Seth Sweetser, D. D., one of the warmest and wisest friends of education that Worcester has ever had among her citizens.

An old townsman, Abraham Firth, Esq., in his position of secretary of the Mass. Society for the Prevention of Cruelty to Animals, has forwarded to us a complete set, bound, of "Our Dumb Animals."

R. M. Mason, Esq., of Boston, very kindly responded to our

request to put us in the way of getting a copy of Hillard's Life of Jeremiah Mason, by *giving* us the work.

The Interior Department of the United States Government has sent to us, as a designated depository of documents, such volumes as the law directs to be sent; and these volumes, together with others received from other departments and bureaus of the Government, number 77, besides 16 pamphlets. The United States documents will become very valuable when Congress sees its way clear to provide for the completion and publication of the copious index which is carried along by the Librarian of Congress as fast as congressional appropriations for the purpose will allow.

It is to be hoped that Congress will soon be brought to see the wisdom of publishing an admirable index of the medical periodical literature of the world, which has been made under the supervision of Dr. J. S. Billings, of the Surgeon General's office, in Washington.

The State of Massachusetts has given us 22 volumes, and 5 pamphlets. We are also indebted to Mr. T. J. Hastings, member of the legislature, for readiness to secure early copies of documents for us whenever requested, and for his care not to put us to any expense for transportation.

We remember gratefully the givers of valuable public documents sent to us by the Boston City Council, by Hon. Thomas Doyle, Mayor of Providence, and by E. S. Chesbrough, Esq., City Engineer of Chicago, and Mayor Ely of New York.

William F. Poole, Esq., of Chicago, has again remembered the library of the town in which his earlier years were spent, and has sent us six volumes.

Ellis Peterson, Esq., has always been ready to provide us with the very interesting matter regarding schools, which is now emanating from Boston.

Mr. Alexander Agassiz and Professor J. D. Whitney have sent us the sumptuous volumes of Memoirs issued by the Museum of Comparative Zoology, at Cambridge, and have provided us with its annual reports and numbers of the Bulletin, as issued. The gifts of these gentlemen are especially deserving of thanks.

We are also indebted to Hon. Stephen Salisbury, for many years president of the board of directors, Stephen Salisbury, Jr., Esq., the American Institute of Mining Engineers, Samuel A. Green, M. D., of Boston, John L. Hayes, Esq., of Boston, and Nathaniel Paine, Esq., for interesting gifts. Hon. P. Emory Aldrich, William Sumner Barton, Esq., Mr. William W. Chamberlain, General Charles Devens, Drew, Allis & Co., Rev. Dr. Huntington, Stephen Salisbury, Jr., Esq., Rev. Albert Tyler, and John D. Washburn, Esq., all of this city, have given us books or pamphlets of which they are authors. Other productions of citizens of Worcester appear in the volumes of proceedings of the American Antiquarian Society, and the Worcester Society of Antiquity, which are sent to us promptly as issued.

It is well to mention that among the books bought with income from the Green Library fund, are an excellent copy of Anthony á Wood's *Athenæ Oxonienses*, a set of *L'Art*, the best art periodical in the world, in 13 volumes, *Arber's Transcript of the Registers of the Company of Stationers of London, 1554-1640*, 4 volumes, and *Niles's Weekly Register*, 76 volumes.

We have had money set aside several years for buying a set of the last named work, whose importance in studying the early history of our country is well known, but have not succeeded in obtaining a good copy until the present year. We bought the work at a very low price. It was necessary to buy the set of *L'Art* as the earlier volumes are becoming very scarce.

#### CIRCULATION.

Number of days the Circulating department	
was open, . . . . .	307
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,	132,384
“ “ “ “ reference use,	30,079

Average daily use (home and reference), (Circulating department 431, Reference department 98), . . . . .	529
Largest daily use (home and reference), Feb- ruary 23, . . . . .	1,394
(Largest in Circulating department Feb. 23, 1,217 volumes, in Reference department, May 18, 282 volumes).	
Smallest daily use (home and reference), Sep- tember 3, . . . . .	224
(Smallest in Circulating department, Septem- ber 26, 176 volumes, in Reference depart- ment, August 9, 12.)	
Number of books lost and paid for:	
Circulating department, . . . . .	11
Number of books lost and not paid for:	
Green Library, . . . . .	4
Circulating department, . . . . .	3      7
Number of books worn out and withdrawn:	
Circulating department, . . . . .	202
Number of notices to delinquents, . . . . .	5,400
" volumes bound, . . . . .	1,826
" names registered during the year, . . . . .	1,906
Total number of names registered, (a new registry made July 1, 1873), . . . . .	15,547

We have given out for home use 2,160 volumes less the current year than in the year before.

The diminuation in the use of the Circulating department in last year's report was placed at 2,661 volumes.

Of course there is but one explanation of the slight falling off in the use of this department of the library, namely, the withdrawal of large numbers of popular books every year, because worn out, and the failure to adequately meet the wishes of residents in respect to the re-placement of these or the purchase of others of the same class.

The number of volumes delivered for reference use is, as appears in the table, 30,079. This total includes 1,476 volumes



of illustrated papers. It is an impression very strongly imprinted on my own mind, and shared by the assistants who have an oversight of the Green Library room, that besides this number we do not give out on an average 10 volumes a day of stories, or of back volumes or numbers of magazines called for for the sake of the novels contained in them. Our experience in regard to the popularizing the use of a reference library for the legitimate purposes of such a library is very instructive.

When, eight years ago, I undertook to carry out a plan which I had formed for making the citizens of Worcester realize that a reference library might be of great use in such a community as ours, everybody was welcomed to the library, and every proper want was satisfied when it lay in our power to satisfy it. The result was that in the first years of the experiment a very large proportion of the books given to readers were given to them as seekers of amusement or mere entertainment. But this state of things has gradually changed, under influences brought to bear in the city and within the library, until now we have to enforce the rule that residents under fifteen years of age cannot be allowed in the rooms unless here for some serious purpose, or unless it happens that so few persons are in the room at the time that books can be given out for amusement without detriment to objects sought to be attained in the wise administration of a reference library.

We often have, also, to refuse to give out books for amusement to grown up readers, owing to the demands upon our room by inquirers.

I wish we had a separate room in which to accommodate persons seeking entertainment, but I fear the community does not yet appreciate sufficiently the civilizing influence of a reference library in which all persons can be accommodated, to add to our rooms in the present trying times. I am confident, however, that citizens will continually grow in enthusiasm in regard to the benefits received from our reference library, as they have been growing continually during the last eight years.

It appears from the statements made that we have given out for purposes of study on an average 83 volumes a day in the reference department. This use is additional to the very large use made of a collection of reference books which is accessible



to the public and the size of which is incomparably larger than is usually found in libraries and cities of the population of Worcester. In previous years, when giving in the reports of the number of persons using the reference library during the year, we have made a careful estimate of the number who have used books accessible to readers without asking permission.

Had we proceeded on a similar plan this year in estimating the use in volumes of this class of books, we should have carried the total and average use of the reference library to a very high figure. We have preferred, however, to give only such a use as appears from actual charges, understanding that such a procedure conforms to the wishes of promoters of uniformity in reporting library statistics.

In considering the number of volumes given out, this fact must be borne in mind, that as I and my principal assistants have by our long experience become used to the library and acquired great readiness in pointing out sources of information, a single volume is often given to an inquirer, whereas an inexperienced officer might have to get six or twelve before the inquirer finds the information he desires. It may be mentioned also that no note has been taken of the large number of volumes used by directors when they have helped themselves to them from the shelves.

Neither has any record been kept of the great use that has been made of the volumes of Specifications and Drawings of Patents

It is understood, of course, that in the statistics of the library in this and previous reports, no record is given of the immense number of persons who every year use our reading rooms for consultation of the large number of magazines, reviews, literary and scientific papers which we spread before the public and allow them to use without restriction.

With this fact before you, picture to yourselves the meaning of this other fact that the average daily use of *volumes* actually put into the hands of readers by library officials is 529, that in the Circulating department it is 431, and in the Reference department 98, and that eighty-three of the latter were for serious inquiry. Then consider that volumes taken for home

use are used by more than one person and that the contents of the volumes contained in the reference library are being scattered about in the community by readers and students. Is it not evident that this library is a mighty power in the community? I am sure you will agree with me in rating the influence we exert as among a few of the most important of the powers that are at work for the enlightenment, moral improvement and material prosperity of this community.

Fourteen books have been lost in the Circulating department the present year. Of these, three, as stated above, have not been paid for. One stands charged to a borrower who has not returned it, and whose residence cannot be found. One was stolen from the counter, and one found missing when the annual examination of the library was made last fall.

Six books were lost and not paid for last year, and eleven the previous year. Four books belonging to the Green Library have disappeared this year from among those to which the public has free access. They were stolen.

A larger number of this class of books was lost last year, namely, two volumes belonging to the Green Library, and five to the Intermediate department. One hundred and twenty-eight volumes were withdrawn from the Circulating department last year because they were 'worn out or had become very imperfect.

The number withdrawn from the same department the current year, as appears from the table just given, is 202. As was stated last year the ordinary wear and tear of books in the Circulating department has been very great during the last few years, as a result of greatly increased circulation and the failure to purchase volumes enough to meet the demand for newer books.

It is interesting to remark that the volumes withdrawn are generally copies, in some cases the only copy, of some of the most popular books, and that, as it is not considered advisable to replace these while our resources are so small, the proportion of light literature, especially that for young persons, in the Circulating department, is constantly diminishing.

## SUNDAY USE.

The Reading Rooms are open from 2 to 9 P. M.

Number of persons using the upper room,	. 5,320
“ “ “ lower “	7,563
Total number,	. . . 12,883
Average number of persons per Sunday	
using the rooms,	. . . 248
Largest Sunday attendance (Jan. 6),	. 381
Smallest Sunday attendance (Aug. 4),	. 108
Number of volumes delivered (for use	
within the building),	. . . 2,482
Average number of volumes delivered	
per Sunday,	. . . 48

The number of persons who used the rooms Sundays in 1872-3 were 5,706, in 1873-4, 7,179, in 1874-5, 10,142, in 1875-6, 10,756, in 1876-7, 10,915, in the current year, 12,883.

## CO-OPERATION.

It was stated in the last report that it was probable that the American Library Association would gradually be able to initiate measures which would lessen materially the cost of maintenance of libraries.

One such measure has, I hope, been just inaugurated.

Thoughtful librarians have felt for a long time that there is a great waste of time and expense in the system of cataloguing in vogue, and at the meeting of librarians and others in Philadelphia the matter was taken in hand and put in charge of an able committee.

It is obvious that, if it can be effected, it would be desirable in the case of books bought by a thousand libraries that they should be catalogued once for all by the most competent experts and printed and distributed from some central headquarters, instead of being catalogued by every one of the one thousand libraries separately.

A plan has been agreed upon in accordance with which the principal publishers of the country have promised to send advance sheets or early copies of new books to the office of the Publishers' Weekly in New York, where they will be catalogued under the best supervision. All libraries and individuals can send to the office in New York and buy the "printed title-slips."

We are buying library supplies at a very small advance upon wholesale prices, in consequence of co-operation.

It has long been a problem with librarians how to get a good index of periodical literature. The task of preparing it was herculean and even the largest library and the most sanguine librarian shrank from undertaking it by themselves. By co-operation the libraries will soon, probably in two years, have an excellent index at a very small cost.

This library is enjoying many benefits from co-operation in addition to those enjoyed by libraries generally.

By co-operating with the Boston Athenæum we are now enabled to issue Lists of Additions far superior to those we have had before. We put upon the new lists additions to the reference department as well as the books added to the circulating department, which latter books are all that we have placed upon the lists hitherto. We are also able to present, appended to many of the titles, notes giving the views of the books entertained by some of the best critics and showing what their contents are.

These desirable results have been brought about by co-operation in work and expense by the two libraries, but it must not be forgotten that in the arrangement made we are unquestionably the debtor.

The Athenæum lightens its own burden somewhat, and at the same time gives us at a small cost, an admirable list of additions.

It must be remembered that, as the result of the good feeling established among librarians and between libraries, and of their desire to make their institutions as useful as possible, we are able to borrow from the larger libraries books which our citizens need, but which we cannot buy or which readers cannot wait to have us purchase.

With especial gratitude should we remember the officers of the Boston Public Library, the Boston Athenæum, and Harvard College Library.

## ACCOUNT OF LIBRARIAN.

\$423.30 collected for fines, \$81.45 proceeds of the sale of catalogues, lists of additions, &c., and \$9.56 miscellaneous receipts, in all, \$514.31, have been passed over by me to the Treasurer of the Board of Directors, for transmission to the City Treasurer.

## RECEIPTS AND EXPENDITURES.

## RECEIPTS.

## Municipal appropriation:

Regular,	.	.	.	\$8,000	
Special,	.	.	.	4,000	
				<hr/>	\$12,000

## Income from invested funds:

Green Library fund,	.	.	\$1,856 10	
Reading Room "	.	.	529 06	
			<hr/>	\$2,385 16

Receipts from dog licenses,	.	.	.	2,722 18
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" " Fines,	.	.	.	419 34
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" " Sale of catalogues,	.	.	.	83 66
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Payments for missing or damaged books,	.	6 29
--	---	------

Sale of condemned books (\$1.91) and

duplicates (.50),	.	.	.	2 41
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Sundries,	.	.	.	11 39
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Total,	.	.	.	<hr/>	\$17,630 43
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## Cash on hand at last report:

Green Library fund,	.	\$1,687 06	
Reading Room "	.	466 38	
Fines, catalogues, &c.,	.	119 09	
		<hr/>	\$2,272 53

<hr/>	\$19,902 96
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## EXPENDITURES.

## BOOK ACCOUNT.

## Books :

Green Library fund,	.	\$1,443 56	
City appropriation,	.	1,400 42	
		<hr/>	\$2,843 98

## Pamphlets :

Green Library fund,	.	23	
City appropriation,	.	4 05	
		<hr/>	\$4 28

## Periodicals :

Green Library fund,	.	\$199 67	
City appropriation,	.	48 05	
Reading Room fund,	.	574 79	
		<hr/>	\$822 51

Binding,	.	.	.	.	.	\$945 09
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## BUILDING ACCOUNT.

## Repairs and additions :

Regular city appropriation,	.	\$191 22	
Special " "	.	1,559 64	
		<hr/>	\$1,750 86

## Furniture and fixtures (Special city appropriation), . . . .

Insurance,	.	.	.	.	.	\$1,453 70
Fuel,	.	.	.	.	.	105 00
Lights,	.	.	.	.	.	201 65
	.	.	.	.	.	978 06

## SALARY ACCOUNT.

Administration and cataloguing (including wages of Janitor),	.	.	.	\$5,789 23
Extra service,	.	.	.	796 42



## SUPPLY ACCOUNT.

Printing catalogues, . . .	\$126 57	
Blanks and stationery, . . .	110 60	
Postage, . . . . .	132 45	
Paper covers (covering paper), . .	42 78	
Sundries, . . . . .	297 33	
	<hr/>	\$16,400 51
Cash on hand Dec. 1, 1878 :		
Green Library fund, . . .	\$1,869 51	
Reading Room fund (including \$29.80 spent by the Treasurer of the Reading Room fund after Dec. 1, but before he made up his account), . . .	518 41	
Special city appropriation, . . .	986 66	
Money received for fines, sale of catalogues, &c., . . . . .	127 87	
	<hr/>	\$3,502 45
		<hr/>
		\$19,902 96

The record of receipts and expenditures contained in the above table is meant to show all the transactions of the library for the year beginning December 1, 1877, and ending November 30, 1878.

The table presents in a consolidated form the items in several accounts. One of these, namely, that relating to the appropriation for special repairs, is not reported on by officers of the library, and two have been made without reference to confining the financial showing strictly within the limits of the dates given above.

It will also be noted that in the table just given the sums of money spent for pamphlets and periodicals are separated from those expended for books. The table is in the form desired by the American Library Association, and, as other librarians adopt the same form, we shall be enabled, as in the case of other statistics, to compare our expenditures with those of other institutions.

In the year 1873, in the latter part of which the present financial depression began, we gave out in the circulating library 66,855 volumes, and it was estimated that 15,672 persons used the reference library. In 1878 we gave out 132,384 volumes in the circulating department, and 30,079 volumes in the reference library. In 1873 we spent \$17,928.80. In 1878 we spent for running expenses \$13,416.97.

It thus appears that while the use of the library in 1878 was nearly double that of 1873 the expenditures of the library in all departments have been \$4,511.83 less in 1878 than in 1873.

To any one who knows what it means to double the number of books in use, it will be apparent that these figures show rigid economy and hard work on the part of the executive officers of the library.

In conclusion, I congratulate the board of directors that so good a work has been done the current year. It seems to have been all that was possible with the small resources at our disposal for running expenses.

SAMUEL S. GREEN,

*Librarian.*

# APPENDIX No. 1.

## GIFTS TO THE LIBRARY.

	Books. Pamphlets and Papers.		Books. Pamphlets and Papers.
Aldrich, P. Emory, . . . . .	1	Concord Free Public Library . . . . .	1
Alinari, Fratelli. <i>Florence, Italy</i> , . . . . .	2	Concord Public Library, . . . . .	2
Allen, Edward G., <i>London</i> , 1 folded paper, . . . . .	3	Connecticut Courant, . . . . .	1
Alta California, . . . . .	1	Cornwall Circulating Library, 1 folded paper, . . . . .	3
American Antiquarian Society, . . . . .	2	Crunden, Fred. M., <i>Librarian St. Louis Public School Library</i> , . . . . .	1
American Asylum for the Educa- tion and Instruction of the Deaf and Dumb, . . . . .	1	Davis, J. C. Bancroft, <i>Washington</i> , Detroit Public Library, . . . . .	1
American Board of Commissioners for Foreign Missions, . . . . .	2	Deuerlich, G., <i>Göttingen</i> . 1 folded paper, . . . . .	1
American Institute of Mining En- gineers, . . . . .	1	Devens, Charles . . . . .	1
American Metric Bureau, <i>Boston</i> , . . . . .	2	Dexter, George, <i>Cambridge</i> , . . . . .	1
American Water Color Society, <i>New York</i> , . . . . .	1	Doyle, Thomas A., <i>Providence</i> , . . . . .	1
Amherst College, . . . . .	1	Drew, Allis & Co. . . . .	2
Anonymous, . . . . .	3	Earle, Ann B. 10 Nos. of maga- zines, . . . . .	57
Apprentices' Library, <i>New York City</i> , . . . . .	18	Earle, Sarah F. 1 newspaper, . . . . .	1
Armstrong, S. C., <i>Hampton, Va.</i> , . . . . .	1	East St. Louis Public Library, <i>St. Louis, Mo.</i> , . . . . .	1
Arundel Society, 3 circulars, 1 folded paper, . . . . .	1	Eaton, John, <i>Commissioner of Ed- ucation</i> , . . . . .	1
Astor Library, <i>New York City</i> , . . . . .	3	Editors of Christmas Holly, . . . . .	1
Bancroft, Cecil F. P., <i>Andover</i> , . . . . .	2	Ely, Smith, Jr., <i>Mayor of N. Y.</i> . . . .	1
Barnard, Henry, <i>Hartford, Ct.</i> , . . . . .	1	Estes & Lauriat. 1 folded paper, . . . . .	1
Barton, Wm. Sumner, . . . . .	1	Executive Committee of the Society of the Alumni Yale College, . . . . .	1
Beardsley, I. L., <i>Librarian Public Library, Cleveland</i> , . . . . .	1	Fall River Public Library, . . . . .	1
Bigelow Free Library, <i>Clinton</i> , . . . . .	1	Francis, George E. . . . .	4
Boon, Edward P., <i>New York</i> , . . . . .	1	French, Asa. <i>Braintree</i> , . . . . .	1
Boston City Council, . . . . .	4	Friends Free Reading Room and Library, <i>Germantown, Pa.</i> , . . . . .	1
Boston Public Library, 2 folded papers, . . . . .	1	General Society of Mechanics and Tradesmen. <i>New York City</i> , . . . . .	1
Bradlee, C. D., <i>Boston</i> , . . . . .	1	Great Britain, Chief Commissioner of Police, . . . . .	1
Brookline Public Library, . . . . .	5	Green, Samuel A. <i>Boston</i> , . . . . .	1
Burgess, George C., <i>Portland, Me.</i> , 1 Photograph . . . . .	1	Green, Samuel S. . . . .	3
Chamberlin, Wm. W., 1 folded paper, . . . . .	1	Guild, Reuben A. <i>Providence</i> , . . . . .	1
Chesbrough, E. S., <i>City Engineer, Chicago</i> , . . . . .	2	Harris, William T., <i>St. Louis, Mo.</i> . . . .	2
Chicago Public Library, . . . . .	1	Harvard College, . . . . .	1
Childs, George W., . . . . .	3	Harvard College Library, . . . . .	5
Christern, F. W., <i>New York City</i> , . . . . .	1	Hastings, Thomas J., . . . . .	6
Clarke, Robert & Co., <i>Cincinnati</i> , . . . . .	1	Hayes, John L., <i>Boston</i> , . . . . .	1
		Hoar, George F., 9 maps, . . . . .	99
		Houghton, Osgood & Co., 1 circular, . . . . .	1

	Books. Pamphlets and Papers		Books. Pamphlets and Papers
Howard University, <i>Washington, D. C.</i> , . . . . .	1	Peabody Institute, <i>Peabody, Mass.</i>	1
Huntington, William R., . . . . .	1	Perkins Institution and Massachusetts School for the Blind, . . . . .	1
Indianapolis Public Library, . . . . .	1	Peterson, Ellis, Supervisor of Boston Public Schools, . . . . .	3
Jay John, <i>New York</i> , . . . . .	1	Phillips Exeter Academy, . . . . .	1
Kingsbury, E. M., . . . . .	2	Pickering, Edward Charles, <i>Cambridge</i> , . . . . .	1
Lancaster, George Y., . . . . .	2	Plymouth Free Library, . . . . .	1
Lancaster Library, . . . . .	1	Pollard, Thomas, <i>Commissioner of Agriculture, Virginia</i> , . . . . .	1
Langley, John, <i>Hartford, Ct.</i> , . . . . .	1	Poole, William F., <i>Chicago</i> , . . . . .	6
Lawrence Public Library, . . . . .	6	Potter, T. B., Hon. Sec. Committee of the Cobden Club, . . . . .	1
Leicester Library, . . . . .	1	Providence Athenæum, . . . . .	1
Long Island Historical Society, . . . . .	1	Redwood Library and Athenæum, . . . . .	1
Lowell City Library, . . . . .	3	Rice, J. M., Annapolis, . . . . .	1
Lynn Public Library, . . . . .	1	Rice, William W., . . . . .	83
McKnight, George, <i>Stirling, N. Y.</i> , . . . . .	1	Rider, Sidney S., <i>Providence</i> , . . . . .	1
Marble, Manton, <i>New York</i> , . . . . .	1	Roffe, A. H. & Co., <i>Boston</i> , . . . . .	1
Mason, R. M., <i>Boston</i> , . . . . .	1	Rowell, George P. & Co., <i>New York</i> , . . . . .	1
Massachusetts, State of, . . . . .	18	Salisbury, Stephen, . . . . .	2
Board of Agriculture, <i>through C. L. Flint, Secretary</i> , . . . . .	2	Salisbury, Stephen Jr., 1 map . . . . .	3
Board of Railroad Commissioners, . . . . .	1	Sargent, Emily W., . . . . .	1
Northampton Lunatic Hospital, <i>through Pliny Earle, Supt.</i> . . . .	1	Sauveur, L., <i>New York</i> , 1 folded paper, . . . . .	5
State Library, . . . . .	1	Schönhof & Möller, <i>Boston</i> , . . . . .	1
State Lunatic Hospital, <i>Worcester</i> , . . . . .	2	Second Parish in Worcester, . . . . .	1
Treasurer of Commonwealth, . . . . .	1	Sherman & Hyde, <i>San Francisco, Cal.</i> , . . . . .	1
Massachusetts Society for the Prevention of Cruelty to Animals, <i>through Abraham Firth, Sec'y</i> , . . . . .	3	Smith, William F., <i>New York</i> , . . . . .	3
Mellish, John, . . . . .	5	Smithsonian Institution, . . . . .	1
Memorial Hall Library, <i>Andover</i> , . . . . .	1	Spofford, A. R., <i>Washington</i> , 2 folded papers, . . . . .	1
Mercantile Library Association, <i>New York</i> , . . . . .	1	Springfield City Library Association, . . . . .	1
Mercantile Library Association, <i>San Francisco</i> , . . . . .	3	Steiger, E., <i>New York</i> , . . . . .	6
Mercantile Library Company, <i>Philadelphia</i> , . . . . .	3	Stevens, B. F., <i>London, England</i> , . . . . .	2
Merrick Public Library, . . . . .	1	Stevens, Charles E., 1 paper, . . . . .	1
Muroe, A. C., Secretary of the Worcester Co. Musical Association, . . . . .	6	Stewart, Samuel B., <i>Lynn</i> , . . . . .	1
Museum of Comparative Zoology, <i>Cambridge, through Alexander Agassiz</i> , . . . . .	3	Stow, Mrs. J. W., <i>San Francisco, Cal.</i> , . . . . .	2
Museum of Comparative Zoology, <i>Cambridge, through J. D. Whitney and Alexander Agassiz</i> , . . . . .	1	Sweetser, Seth, Estate of, . . . . .	17
New Bedford Free Public Library, . . . . .	1	Taunton Public Library, . . . . .	1
New York State Library, . . . . .	1	Thurber, Samuel, . . . . .	1
Newburyport Public Library, . . . . .	1	Toledo Public Library, . . . . .	2
Newcomb, Simon, <i>Washington</i> , . . . . .	1	Tufts College, . . . . .	2
Newton Free Library, . . . . .	1	Tyler, Albert, . . . . .	1
News and Courier, <i>Charleston, S. C.</i> , 1 map, . . . . .	1	Union College, . . . . .	1
Nicholson File Company, . . . . .	1	United States. Bureau of Education, Chief of Engineers, 3 sheets, . . . . .	6
Noyes, Snow & Co., <i>Boston</i> , . . . . .	1	Chief of Ordnance, . . . . .	7
Old Men's Home, <i>Worcester</i> , . . . . .	1	Department of Interior, . . . . .	56
Otis, B. F., <i>Newton</i> , . . . . .	2	Department of State, . . . . .	2
Paine, John S., <i>Boston</i> , . . . . .	1	Department of the Treasury, . . . . .	2
Paine, Nathaniel, . . . . .	1	Department of War, . . . . .	1
		Library of Congress, . . . . .	1
		Naval Observatory, . . . . .	1
		Navy Department, . . . . .	3
		Patent Office, . . . . .	6
		University of Vermont, . . . . .	1
		Uxbridge Free Public Library, . . . . .	5

	Books, Pamphlets and Papers.			Books, Pamphlets and Papers
Valentini, Ph. . . . .	1		Superintendent of Schools, . . . .	6
Walls, H. J., <i>Columbus, Ohio</i> , . .	1		Worcester County Free Institute of Industrial Science, . . . .	19
Waltham Public Library, . . . .	1		Worcester County Horticultural Society, . . . .	1
Warren Co. Library, <i>Monmouth, Ill.</i>	2		Worcester Moulding Works, . . . .	1
Washburn, John D. . . . .	1		Worcester Society of Antiquity, . .	1
Waters, E. F., <i>Boston</i> , . . . .	1		Yale College, . . . .	1
Watertown Public Library, . . . .	1		Young Men's Association, <i>Buffalo</i> , <i>N. Y.</i> . . . .	1
Wayland Town Library, . . . .	2		Young Men's Christian Association, <i>Boston</i> , . . . .	1
Whitney, David A., <i>Boston</i> , . . .	1		Young Men's Christian Association, <i>New York City</i> , . . . .	1
Williams' Lecture Bureau, . . . .	1			
Woburn Public Library, . . . .	2			
Woman's Medical College, <i>Philadel- phia</i> , . . . .	1			
Woodruff Scientific Expedition, . .	1			
Worcester. City Clerk, . . . .	4			
City Hospital, . . . .	3			
Superintendent of Public Build's,	3			
				464 266

# APPENDIX No. 2.

## GIFTS TO THE READING ROOM.

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American Gas Light Journal,  
American Journal of Education,  
American Machinist,  
American Manufacturer and Iron World,  
Berrow's Worcester Journal,  
Book Buyer,  
Book Seller,  
Boston Investigator,  
Bulletin of the National Association of Wool  
Manufacturers,  
Christian Register,  
Churchman,  
Congressional Record,  
Index,  
Inventors' and Manufacturers' Gazette,  
Librarian,  
Metric Bulletin,  
Monthly Record of Scientific Literature.  
Official Gazette of the United States Patent  
Office,  
Our Dumb Animals,  
Public Ledger,  
Sherman & Hyde's Musical Review,  
Southern Workman,  
Sunday Herald,  
Tuftonian,  
Unitarian Review and Religious Magazine,  
Universalist,  
Universalist Quarterly,  
Vox Humana,  
Watchman,  
Westminster Papers,  
Woman's Journal,  
Worcester Daily Spy,  
Worcester Evening Gazette,  
World's Crisis,  
Zion's Herald.

G. Warren Dresser, *Editor*.  
J. B. Merwin, *Editor*.  
Publishers.  
Jackson Bailey, *Corresponding Editor*  
Charles H. Birbeck, *Proprietor*.  
Publishers.  
E. G. Allen.  
Publishers.  
Association.  
American Unitarian Association.  
Edward L. Davis.  
W. W. Rice.  
Sarah F. Earle.  
Publishers.  
Lloyd P. Smith.  
Samuel S. Green.  
D. Van Nostrand.  
U. S. Patent Office.  
Publishers.  
George W. Childs.  
Publishers.  
Mrs. P. S. L. Camfield.  
Easton & Pratt.  
Tufts College.  
American Unitarian Association.  
Universalist Publishing House.  
T. E. St. John.  
George Woods & Co., *Publishers*  
Publishers.  
Publishers.  
Sarah F. Earle.  
Publishers.  
Publishers.  
Publishers.



# REPORT 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 thirteen meetings during the past year, and has recommended to the Board 338 volumes for the Green Library, 187 for the Intermediate, and 892 for the Circulating Department. The amount expended upon these books appears in the report of the Librarian.

The annual examination of the Library, as performed by the Librarian and his assistants, shows 202 volumes withdrawn from circulation, and 14 lost from the Circulating Department, of which 11 have been paid for. Only one book of the 132,384 in circulation during the year, remains unaccounted for. Four volumes have disappeared from the Green Library. In this respect, as in all others which come under their supervision, your Committee feel that the interests of the Library have been well cared for by those in immediate charge, and that its present condition is one with which the Board may feel wholly satisfied.

They can only express their regret that under the appropriation of the present year, the purchase of books has been of necessity so greatly curtailed, and the usefulness of the Library to the community so seriously diminished.

For further information on that important point, we refer to the figures of the Librarian.

For the Committee,

EDWARD H. HALL,

*Chairman.*

# REPORT

## OF THE

### COMMITTEE ON THE READING ROOM.

---

*To the Board of Directors of the Free Public Library.*

The Committee on the Reading Room have the honor to submit their Annual Report.

The list of publications to which the Library subscribes, remains substantially unchanged, but the use of the newspapers and periodicals is increasing. It is not practicable, with the present working force of the institution, to keep a record of visitors which would show the gain, but it is not now unusual at certain hours of the day to find a hundred persons at one time quietly reading the periodicals in Green Hall and the newspapers in the room under it. Recent alterations in the building have made a moderate enlargement of the crowded newspaper room possible, and a number of new stands have been added. The department of the Library in charge of this Committee gives pleasure and profit to very many persons. Not only do those whose reading stops with the newspapers acquire broader views from the wide field of opinion and fact here presented to them, but the leading trades journals to which we subscribe enable the intelligent artisan to keep pace with new inventions and new fashions in his own calling.

The bound volumes of magazines and newspapers have been taken from their old cramped quarters to the spacious room

over the Medical Library. This collection is already valuable and each year adds to its importance.

The Librarian has effected some saving this year in discounts by a systematic use of circulars and letters to publishers, but this amount has not made good the loss of yearly income caused by the retirement of government bonds belonging to the Fund, and the necessary change of investment at an unfavorable period. Loans on mortgage have, however, lately been made by the Treasurer, Nathaniel Paine, Esq., which place the Fund on a better footing for the coming year. The Committee rest in the hope that the resources of the Reading Room and Periodical Department will be one day increased by the friends of the Library. Until then, they cannot suggest any radical change in its management.

For the Committee,

CHARLES H. DOE,

*Chairman.*

WORCESTER, 20th Dec., 1878.

# REPORT

## OF THE

### Committee on the Building.

---

*To the Directors of the Free Public Library :*

During the current year, under the direction of the Committee on Public Buildings, four thousand dollars have been expended in improvements and repairs.

The French roof and that portion of the basement hitherto unoccupied, have been finished and fitted with shelving, thus greatly increasing the capacity of the building for library purposes.

The different stories have been connected by an hydraulic elevator, making easy the passage from floor to floor. The roof over the Green Library has been re-tinned, the cornices repaired, the chimney tops relaid, the outside wood-work newly painted, and, in these respects, the condition of the building seems entirely satisfactory.

In the Green Library room, some minor repairs seem necessary. From the highest defective roof, the walls are stained, the cornice work is cracked, and some portions seem ready to fall, endangering the occupants below. The repair of the cornice work is imperatively demanded, and it would contribute much to the good appearance of the room, to re-dress it with a coat of paint and white-wash.

A certain amount of hose pipe is needed to afford suitable protection against fire, the water pipe being already in.

With these minor repairs made, and with the improvements made during the year, bringing all parts of the building into practical use for library purposes, it is believed the building in itself and in its appointments, was never so complete.

For the Committee,

E. WARNER,

*Chairman.*

WORCESTER, Dec. 20, 1878.

# REPORT

## OF THE

# COMMITTEE ON FINANCE.

---

*To the Directors of the Free Public Library :*

Your committee submit herewith the financial statements of the Free Public Library and of the Green Library Fund for the year ending November 30th, 1878.

In the account of expenditures for the past year the amount appropriated by the City Council for general repairs and improvements in the library building is not included, as the expenditures under that appropriation were made under the supervision of the council's committee.

The investments of the Green Library Fund remain as reported last year except that there has been an increase of one thousand dollars in the mortgage securities, and the Savings Bank deposits have been somewhat diminished.

P. C. BACON,

J. EVARTS GREENE,

*Finance Com. Free Pub. Library.*

WORCESTER, Dec. 20, 1878.



# CITY APPROPRIATION.

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FINANCIAL STATEMENT for the year ending NOVEMBER 30, 1878.

## RESOURCES.

City Appropriation, . . . . .	\$8,000 00
Dog money, . . . . .	2,722 18
Fines and miscellaneous receipts at library, . . . . .	514 31
	<hr/>
	\$11,236 49

## EXPENDITURES.

Books, . . . . .	\$1,452 52
Binding, . . . . .	945 09
Printing lists of additions, . . . . .	126 57
Other printing and charging slips, . . . . .	103 89
Freight, postage, expressage, &c., . . . . .	265 44
Paper for covering books and stationery, . . . . .	89 36
Postal cards, . . . . .	60 00
Cards for cataloguing, . . . . .	4 50
Reading Room, . . . . .	100 00
Ordinary repairs and small furniture, . . . . .	56 41
Coal and wood,. . . . .	201 65
Gas, . . . . .	978 06
Water, . . . . .	5 00
Salary of Librarian, . . . . .	2,500 00
Salary of Assistants, . . . . .	2,889 22
Wages of janitor and messenger, . . . . .	400 00

Additional Library service,	.	.	746	42
Insurance,	.	.	105	00
Indexing,	.	.	50	00
General repairs,	.	.	153	31

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\$11,232 44

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Balance to Sinking Fund, . . \$4 05

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\$11,236 49

P. C. BACON,  
J. EVARTS GREENE.

# STATEMENT

## OF THE

# GREEN LIBRARY FUND.

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Income for the year ending November 30th, 1878.

Interest on notes secured by mortgage, . . .	\$1,670 61
Dividends on bank stocks, . . . . .	498 00
Bank Tax of 1877 refunded, . . . . .	123 52
Dividends of savings bank deposits, . . .	107 84
Interest on National bank deposits, . . .	15 21
	<hr/>
	\$2,415 18

Of this amount one-fourth, \$603.80, is added to the fund. The remaining three-fourths, \$1,811.38, are appropriated in accordance with the provisions of Dr. Green's will.

### STATEMENT OF THE FUND.

	Nov. 30, 1877.	Nov. 30, 1878.
Notes secured by mortgage,	\$25,048 50	\$26,048 50
Bank stocks (par value), . . . . .	9,300 00	9,300 00
Deposits in savings banks, . . . . .	2,543 84	2,147 64
	<hr/>	<hr/>
	\$36,892 34	\$37,496 14

## BOOK ACCOUNT.

Balance on deposit Dec. 1, 1877,	.	.	\$1,687 06
Three-fourths income in 1878,	.	.	1,811 38
Interest on deposits,	.	.	44 72
			<hr/>
			\$3,543 16
Expended for books,	.	.	\$1,643 46
Paid premiums on investments,	.		30 19
			<hr/>
			\$1,673 65
Balance on deposit Nov. 30, 1878,			<hr/>
			\$1,869 51

The accounts have been verified and the securities in the Treasurer's hands found to be as stated.

P. C. BACON,  
J. EVARTS GREENE.

# REPORT

## OF THE

### TREASURER OF THE READING ROOM FUND.

---

NATHANIEL PAINE, Treasurer, in account with the READING ROOM FUND, FREE PUBLIC LIBRARY.

1877.	<i>Dr.</i>		
Dec. 21.	To Balance by last Report,		\$466 38
1878.	“ Cash interest on City Bonds,	\$300 00	
	“ “ “ “ United States Bonds,	30 37	
	“ “ from City Appropriation,	100 00	
	“ “ interest on Mortgage Notes,	113 30	
	“ “ “ “ Savings Bank Deposit,	85 39	
		<hr/>	\$629 06
			<hr/>
			\$1,095 44

1878.	<i>Cr.</i>		
	By cash paid for subscription to Newspapers and Periodicals,	\$604 59	
	Postage, &c.,	2 24	
		<hr/>	
		\$606 83	
Dec. 20.	By Balance,	488 61	
		<hr/>	\$1,095 44

	THE READING ROOM FUND is invested in	
City of Worcester Bond,		\$5,000 00
United States Bond,		500 00

Mortgage Notes,	4,400 00
Deposited in Savings Bank,	400 00
Cash,	350 00
	<hr/>
	\$10,650 00

Respectfully submitted.

NATHANIEL PAINE,

*Treasurer.*

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WORCESTER, Dec. 20, 1878.

I have examined the securities and vouchers in the hands of the Treasurer, and find his accounts and statements correct.

J. EVARTS GREENE,

*For Finance Committee.*



# THE CITY HOSPITAL.

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## BOARD OF TRUSTEES, 1878.

<i>Alderman</i> — WILLIAM DICKINSON,	}	Term Expires 1878.
<i>Councilmen</i> { JOHN R. THAYER,		
ALBERT A. LOVELL,		
<i>At Large</i> — ALBERT CURTIS,	Term Expires 1878.	
STEPHEN SALISBURY, JR.,	"	" 1879.
DR. F. H. KELLEY,	"	" 1880.
DR. JOSEPH SARGENT,	"	" 1881.

## ORGANIZATION.

*President* — DR. FRANK H. KELLEY.

*Secretary* — STEPHEN SALISBURY, JR.

*Auditors* — { ALBERT CURTIS, ESQ.,  
WILLIAM DICKINSON, ESQ.

*Superintendent and Resident Physician.*

DR. J. BARTLETT RICH.

*Board of Commissioners of the Jaques and other Funds of the City Hospital.*

DR. F. H. KELLEY,	Term Expires 1878.
ALBERT CURTIS,	" " 1879.
BENJAMIN WALKER,	" " 1880.

## MEDICAL STAFF, 1878.

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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 TRUSTEES.

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*To Hon. C. B. Pratt, Mayor, and the City Council of the City of Worcester :*

The TRUSTEES of the City Hospital respectfully present their Eighth Annual Report.

## CONDITION OF THE HOSPITAL.

The detailed reports of the Superintendent and Resident Physician, Dr. J. Bartlett Rich, together with the tabulated report of Diseases and their Results, from the same source, appended to the Trustees report will show that, in point of usefulness, this Institution has been in no wise behind its former record. The unusual healthfulness of the past year, and the beneficent working of the Washburn Free Dispensary, have prevented such a yearly increase in the number of patients as would otherwise follow the growth of our city in population. The facilities of the Hospital for the satisfactory care and treatment of the sick and wounded were never in better condition. The Medical Staff of seventeen physicians, who, freely and without compensation give their best advice and practice to this public charity, has continued, as heretofore, to take the responsibility of the care of the medical and surgical cases in turn, two physicians being designated to serve each two months of the year. The promptness and fidelity which have characterized their ministrations in the Hospital, have been the subject of remark and commendation on the part of the Trustees.

This Institution is fortunate in enjoying the continued administrative offices of Dr. J. Bartlett Rich, as Superintendent and

Resident Physician. This gentleman has devoted himself with great earnestness to the thorough and economical discharge of his duties as executive officer, and has merited and received the fullest approval from the Trustees, in the performance of his difficult and onerous task.

In the past municipal year 224 patients have been treated, making an aggregate of 1,358 since the opening of the Hospital in 1871, and it is safe to assert that a large proportion of those who have been discharged improved or cured, could not have been so successfully cared for by any other system of relief. Many of the patients have expressed their gratitude for benefits received and for the interest and sympathy that has been extended to them. The household of the Hospital remains the same as last year and consists of the Resident Physician and Superintendent, Dr. J. Bartlett Rich; the Matron, Miss M. A. Hales; a cook and assistant, a male and female attendant, a night watch, a janitor, and a laundress.

#### RECEIPTS AND EXPENSES.

In accordance with Section 5 of the Ordinance relating to the City Hospital, the Trustees present the following report in detail of the receipts and expenditures of the Hospital during the past year :—

##### RECEIPTS.

Appropriation, 1878,	\$8,000 00
Board from State for care of patients,	148 14
Board from paying patients,	759 72
Sale of manure, &c.,	10 44
Net income from Jaques Hospital Fund,	1,287 57
Sale of Swine and pork,	101 92
Rent and storage,	19 00
Sale of surgical instruments, medicines and bottles,	10 80
	<hr/> \$10,337 59

##### EXPENSES.

Salaries and pay roll,	\$2,831 87
Groceries and provisions,	2,764 78
Carpets, bedding, table linen, &c.,	71 82
Crockery, tin ware, &c.,	73 76
Furniture, fixtures and repairing same,	158 45

Repairs on building, . . . . .	164 52
Surgical instruments and repairing same, . . . . .	107 95
Medicines, . . . . .	561 21
Fuel, . . . . .	376 78
Gas, . . . . .	249 09
Printing, . . . . .	62 20
Stationery, postage, express, &c., . . . . .	51 72
Hay and grain, . . . . .	223 28
Ice, . . . . .	113 54
Cow and swine, . . . . .	94 00
Blacksmithing, . . . . .	33 74
Seeds, &c., . . . . .	8 30
Tools and hardware, . . . . .	30 86
Hack hire, . . . . .	4 75
Water, . . . . .	50 00
Harness and repairing same, . . . . .	19 71
Carriage and repairing same, . . . . .	65 95
Sleigh and robe, . . . . .	48 00
Freight and trucking, . . . . .	2 70
Shoes, . . . . .	3 00
Rent paid Jaques Hospital Fund, . . . . .	750 00
Balance of 1878 to Sinking Fund, . . . . .	1,415 61
	<hr/>
	\$10,337 59

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 \$7,000.00 to meet those expenses.

#### DONATIONS.

The following gifts were received during the year, and are gratefully acknowledged by the Trustees. (December), Editors of the Spy, The Daily Spy, for the year; Editors of the Gazette, The Worcester Gazette, for the year; Mrs. Geo. W. Gill, night dresses, chemise, shirts and pieces; Mrs. D. C. Merrifield, pieces; Mr. Stephen Salisbury, Jr., hose and handkerchiefs; Mr. P. L. Moen, slippers; Mr. Thos. A. Dickinson, files of the Daily Graphic; Mrs. A. C. Lincoln, night dresses and pieces; Mrs. William H. Blanchard, shirts and pieces. (January, 1878), Mrs. H. Harkness, papers; Mrs. F. H. Kinnicutt, magazines; Dr. G. E. Francis, cuffs, neckties and shirts; Mrs. Tolman, shirts; Mrs. Parker, pieces; Dr. Rufus Woodward, books; Mrs. F. K. Lindsey, pieces. (February), Mrs. Lewis Barnard, shirts and pieces; Mrs. C. B. Pratt, pieces. (March),

Mrs. Geo. W. Gill, night dresses, shirts and pieces; Mrs. M. Stedman, dressing gown; Mr. W. J. Hapgood, pieces; Mrs. Lewis Barnard, pieces; Mr. Wm. Yearnshaw, pieces; Miss Lucia D. Simmons, pieces; Miss Clarissa Sikes, sheets and pillow cases; Mrs. N. Wheeler, pieces; Mrs. Charlotte Seymour, pieces; Mrs. A. Parker, pieces; Mrs. C. Prince, pieces; Miss Wheaton, pieces; Mr. M. C. Morse, shirts and pieces; Mr. William Dickinson, Felting. (April), Mrs. J. E. Green, pieces and reading matter; Mrs. T. E. Moore, pieces; Mr. Wm. Dickinson, oranges; Mr. S. Phillips, pieces; Mrs. P. E. Aldrich, shirts; Mrs. O. Clark, shirts. (May), Mrs. P. L. Moen, pieces and flowers; Mr. William Dickinson, pieces and oranges; Mrs. Dr. Adams, night dresses and pieces; Mr. F. Brown, pieces; Mrs. R. G. White, pieces; Mrs. N. Harkness, papers; Mrs. Amos Nichols, pieces. (June), Miss F. Sweetser, pieces; Flower Mission, flowers; Mrs. Jabez Rice, pieces; Mr. William Dickinson, felting for splints. (July), Mrs. M. E. Barnard, magazines; Mrs. E. P. Goulding, pieces; Flower Mission, flowers and reading matter, papers and magazines. (August), Mrs. D. H. Fanning, shirts and hose; Messrs. N. R. Scott & Son, disinfecting fluid; Flower Mission, flowers and illustrated papers; Mrs. Holman, pieces; Mr. Stephen Salisbury, Jr., shirts; Mrs. Clapp, pieces; Mrs. Geo. T. Rice, old linen. (September), Mrs. H. Blanchard, pieces; Mrs. Smith, hose, night shirts and pieces of linen; Flower Mission, flowers. (October), Mrs. William H. Blanchard, pieces; Flower Mission, flowers; Mrs. Jane S. Barnes, night dresses. (November), Rev. C. M. Lamson, shirts; Mr. Wm. Dickinson, barrel of apples.



## COMMISSIONERS OF THE JAQUES FUND

AND OTHER

# Funds of the City Hospital.

The ordinance creating a Commission to have charge of the property bequeathed in trust to the City for the benefit of the Hospital, passed and approved Oct. 16, 1877, which provides for the transfer of all such property then in the care of the Trustees of the Hospital to said Commission, has reduced the number of the duties of the Trustees, and has relieved them of important responsibilities.

The Board of Commissioners, as at present constituted, consists of two members from the Trustees of the Hospital, and one former Trustee; and this selection has been a gratifying evidence of the confidence of the City authorities in the faithfulness of the Trustees, and at the same time has ensured harmonious action and co-operation on the part of the two boards. The active and energetic way in which the Commissioners have taken in hand their newly imposed duties, and their success in disposing of various portions of the real estate of the Jaques Fund to the increase of that fund and the enhancement of value of neighboring estates belonging to the same Fund, are subjects of congratulation.

In accordance with the provisions of the ordinance, the Trustees authorized their Secretary to make over and transfer the cash assets of the three several funds and the land and other property, as per schedule, to the Commissioners, and to take their receipt therefor. This was done on the 11th of

January, 1878, when personal estate to the amount of \$21,761.89, belonging to the Jaques Fund, together with all the real estate belonging to that Fund at an appraised value in 1873 of \$181,100.00, were passed into their care and custody; also the Isaac Davis Fund, amounting to \$1,350.07, and the J. B. Shaw Fund, amounting to \$61.50. Since that time the Commissioners have received from sales of land and from income and from rents, \$9,709.63, making a total of \$33,921.46, of which sum they have disbursed \$2,320.41 in payment to City Treasurer, &c., as per account rendered, leaving a balance invested and bearing interest of \$31,605.55. The Funds, at present, have the following value: Jaques Fund, \$32,143.16; Davis Fund, \$1,446.60, and Shaw Fund, \$64.27.

The recent report of the Commissioners shows a considerable increase of the Jaques Fund by the sale of land during the past year, and it is reasonable to anticipate that at no distant day all this property will be sold and that the proceeds will be securely invested, thereby yielding a sufficient annual income to support the institution. During the past year eight parcels of these lands, containing 49,580 square feet, have been sold, for which \$7,252.00 has been received.

#### CURTIS LIBRARY FUND.

It should be remembered that the donor of this Fund expressly stipulated that it should be kept in the custody and charge of the Trustees, and that the income alone was to be expended by them in the purchase of books and apparatus useful to the Hospital. The condition of the Fund is at present,

Savings Bank Deposit,	.	.	\$1,038.37
Unexpended Income,	.	.	37 82
Total amount of Fund,			<hr/> \$1,076 19

Several choice books have been added to the Library during the year, and additions to the Scientific Apparatus have been paid for out of the income of this Fund,

ACTION OF THE CITY COUNCIL TOWARDS A PERMANENT  
LOCATION FOR THE HOSPITAL.

The use and occupation of the Jaques Homestead and the estate therewith connected for Hospital purposes, has always been regarded by the officers of that institution and by the City authorities as a temporary expedient, necessitated by considerations which were held to be imperative at the time. The implied contract of the City, in accepting the gift of a lot of land for Hospital purposes from Mr. Jaques in his life time, and the fact that the land thus given was to be used for that purpose alone, or, in default thereof, was to be retained, unimproved, during twenty-five years, together with the fact that the Homestead estate now occupied by the Hospital represents the most valuable part of the Jaques bequest from which the Fund for maintaining the Hospital in all coming time is to be derived, has been the subject of much solicitude to the Trustees and to the City authorities. Many expedients have been proposed, and consultations have been held, thus far without result. During the past year the Joint Standing Committee on Public Buildings met with the Trustees of the Hospital and inspected the land given by Mr. Jaques for the location of the Hospital, and the land adjacent.

The views of this Committee, resulting from a mature consideration of the question and a personal inspection of the ground, were embodied in a report to the City Council on the 21st of October, which is given in full as a faithful presentation of the question and a possible solution of the difficulty.

*Report of the Joint Standing Committee of the City Council on  
Public Buildings, presented Oct. 21, 1878:—*

“The Joint Standing Committee on Public Buildings, to whom was referred that part of the Mayor’s inaugural address, relating to the City Hospital, having carefully considered the whole subject, beg leave to report thereon, as follows, viz:—

“Your Committee find that the City Hospital was established by ordinance passed June 26, 1871. An appropriation of \$10,000 was made, and a board of seven directors was elected soon thereafter; and the institution commenced operations in the Bigelow Mansion on Front Street in October following.

"The late George Jaques, then a Trustee and Secretary of the Board, offered the donation of a certain parcel of land for a hospital site, situated on the south line of Prince Street, 214 feet wide and 700 feet long, extending from Queen Street to King Street, and containing something more than three acres.

"It was stipulated in the deed, that the city should, within three years from the date thereof, erect suitable buildings on this land, for the accommodation of at least twenty-five patients, and in the event of failure to do this, the city should pay Jaques, or his legal representatives, the sum of \$200 a month without interest, for twenty-five years, or until such accommodations should be furnished, as therein provided.

"There are other provisions in the deed requiring the city to widen and extend Prince Street, also to widen Wellington Street, &c., which it is not necessary to state in detail in this report. This instrument is dated March 12, 1872, and was accepted by vote of the City Council, with all the conditions and obligations therein named. Soon after, an appropriation of \$25,000 was made and set apart as a hospital building fund, and a joint committee of the City Council and the trustees of the hospital were appointed, authorized to procure plans and report upon the expediency of proceeding at once to build the hospital, and otherwise fulfilling the obligations assumed by accepting the donation.

"This committee, of which Ex-Mayor Verry was chairman, set immediately to work, advertised for plans, and plans were sent in by architects from New York, Boston and Worcester, the most desirable of which are now in the hands of the trustees.

"The death of Mr. Jaques which occurred on the 24th of August, 1872, and the knowledge which soon after became public, that he had willed the bulk of his property in trust, to the city, for the benefit of the City Hospital, seemed to have changed the minds of the Committee as to the magnitude of this enterprise, as it did, indeed of the whole community.

"The anticipation of the early friends of the then rather experimental hospital, became greatly enlarged and the policy of building the permanent hospital upon the donated site, became a question of public discussion, and so great was the feeling as to it, that further action on the part of this committee seems to have been paralyzed and no formal recommendations were ever reported to the council.

"The objection to the lot, seems to be its shape, being long and narrow, and sloping to the north, with its southern exposure cut off by the Colton estate which is situated nearer the summit, rendering it undesirable to locate upon it a group of small wards upon the modern pavillion plan and upon such a scale as the future wants of the city might demand, and as warranted by the munificence of Mr. Jaques.

"So great was the opposition to building the hospital upon this particular land, after it was known that city would come into the possession of the Jaques Homestead and other lands more suitable for locating the permanent hospital, that the city applied to the Supreme Court to be released from the obligations of the deed, and to be allowed to build the hospital elsewhere, but after months of delay, the Court refused to grant the request, and the obligations and penalties are, of course, still binding upon the city.

"The distinction between the deed of land for the hospital site, and the will which came some months later, should always be kept closely in mind. They are two separate and distinct instruments, and bear no special relation to each other.

"The provisions of the will have been respected and faithfully cared for by the city. The large landed property has been wisely held for better times since the city received authority from the courts to sell the same, and the cash assets are safely invested, and the interest thereon has been allowed to accumulate by adding it to the principal until the present year, while the will provides that the yearly income may be used to pay the current expenses of the hospital.

"The trustees were authorized to remove the hospital from Front Street to the Jaques Homestead in the year 1873, and after considerable outlay, it was first occupied



by patients in January, 1874. Since then two small wooden pavillions have been built, adding two separate wards to the mansion house, and connected therewith by convenient corridors, the whole providing excellent accommodations for twenty-five patients.

"Your Committee are unable to see wherein the City Council have been derelict of duty towards this institution, or unfaithful to the trust reposed by its generous benefactor. The city generously appropriated \$10,000 to start the enterprise as an experiment in 1871, and has maintained it by annual taxation since, and in addition has furnished funds from time to time to improve its facilities. No appropriation of money asked for by the trustees for this institution, has ever been refused by the Council.

"The present comfortable accommodations, with twenty-five clean and comfortable beds' always ready for the unfortunate, sick and disabled, is both creditable to the city for its benefactions, and to the Trustees for prudent and faithful administrations of its affairs.

"But all this benevolent expenditure for the hospital by the city, with a wise and prudent care of the property bequeathed for its support by Mr. Jaques, does not in any manner effect or relieve its legal obligations in accepting the donation of land for a site for the hospital building.

"The whole difficulty seems to be connected with this contract, and if the events which so rapidly followed its consummation, could have been foreseen, the hospital enterprise would never have been embarrassed by it. The evident intention of Mr. Jaques was to make the City Hospital a permanent institution and a perpetual blessing to the city, regardless of minor considerations.

"While it is true that the city has failed to carry out the provisions of the contract up to this time, the delay has been in the interests of the hospital, and not with the design of shirking responsibilities, or the betrayal of sacred trusts. Your committee see but two ways out of the trouble, either of which would be honorable to the city, and beneficial to the hospital.

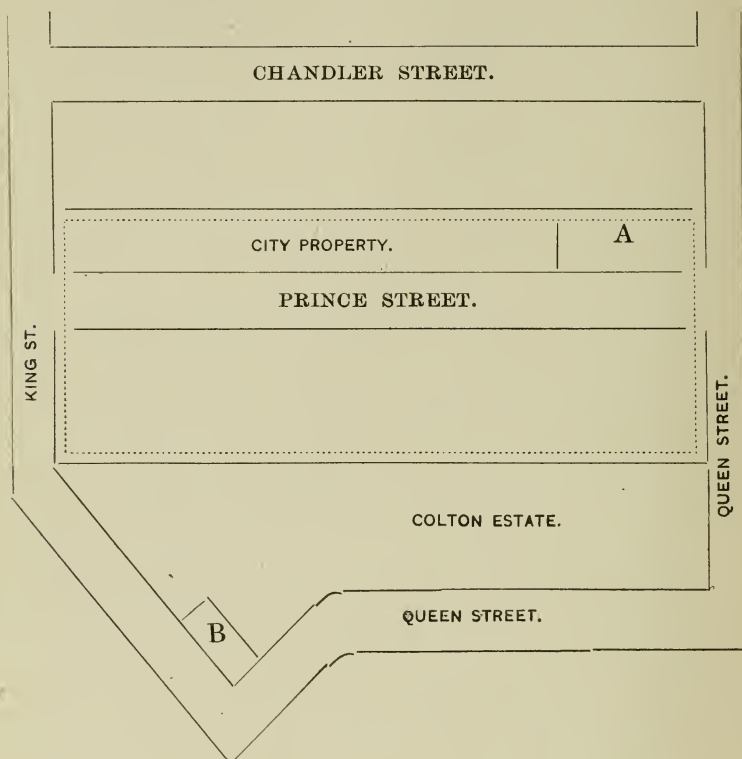
"The first is to pay the forfeiture of \$200 per month for the time specified in the deed, which in the twenty-five years would amount to \$60,000, and would call for an annual appropriation of \$2400 to be added to the Jaques fund, the income from which will entirely relieve the city of all taxation for maintaining the hospital on its present, or even a much larger basis.

"The second is to enlarge the gift lot on the north, by discontinuing Prince Street between Queen Street and King Street, and purchasing of the Commissioners sufficient land abutting on the north of Prince Street belonging to the Jaques estate, to make a nearly square and very desirable site for the permanent hospital and land enough for future enlargement. This can be done for a small present outlay, and probably the over layings of the appropriations for the hospital the present year would be sufficient to cover the expense. Another year, an appropriation should be made sufficient to erect the building and to carry out in full the obligations of the deed.

"Of the two alternatives your Committee are unanimous in recommending the latter course, and advise that immediate steps be taken to consummate this plan, and thus forever put at rest the unprofitable discussion regarding the future policy of the city as to the City Hospital."

This report is signed by M. A. Lapham and John M. Williams of the Board of Aldermen, and Wm. H. Dexter, F. E. Lancaster and James A. Norcross, of the Common Council.

The following diagram will show the property on each side of Prince Street, owned by the city, the private estates which it is thought desirable to purchase, and the other property and streets in the vicinity:



"A" is the proposed purchase and includes three lots, owned by a Mr. Manning of Boston, Mrs. Martha E. Blair, and Mr. Joshua O'Leary.

"B" is the Dyer property.

Should this arrangement be accepted, and carried out by the city, there will be with the four parcels—the two already owned, the street, and the proposed purchase—a tract of land about 400 by 700 feet with a frontage to the east on Queen Street, of about 400 feet, thus furnishing abundance of land for Hospital purposes, and an opportunity to accommodate such buildings as may hereafter be required by the Memorial Hos-



pital or the Washburn Free Dispensary, if arrangements should be made for their joint occupation of land belonging to the city.

The Trustees are not prepared to express themselves decidedly on this subject, but wish to bear testimony to the truthfulness of the facts as stated in the report, and to the importance of arriving at some conclusion in regard to this much debated subject. No immediate change need follow a decision of the future location of the hospital, but it would set at rest many perplexities in regard to the present management of the Hospital and the Real Estate in trust to the City for its support, if a permanent site could be definitely secured.

In behalf, and by order of the trustees,

F. H. KELLEY,  
STEPHEN SALISBURY, JR.

*Committee on Report.*

WORCESTER, DEC. 20, 1878.

# REPORT

## OF THE

### SUPERINTENDENT AND RESIDENT PHYSICIAN.

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Since the Hospital was opened 1,358 patients have been admitted, 278 of them suffering from accidental injury, 116 have died, and 234 have been refused admission.

In the Hospital, December 1, 1877:

Males,	8.	Females,	6.	Total,	14.
Medical,	8.	Surgical,	6.		
Paying,	2.	Free,	12.		

Admitted from December 1, 1877, to December 1, 1878:

Males,	137.	Females,	73.	Total,	210.
Medical,	113.	Surgical,	97.		
Paying,	30.	Free.	180.		

Of these, 13 paid \$10.00 per week, and 17 others paid smaller amounts. The average price paid per week was \$7.37.

The number of accidents admitted was 42.

Treated during the year:

Males,	145.	Females,	79.	Total,	224.
Medical,	121.	Surgical,	103.		
Paying,	32.	Free,	192.		

The largest number of patients in the Hospital at any one time was 25; smallest number, 6; daily average number, 14; Males, 9.23; Females, 4.77.

Average time of patients in the Hospital, 20.7 days; of paying patients, 25.73; of our patients, 17.23.

#### Discharged during the year:

Well, . . . . .	103
Much relieved, . . . . .	36
Relieved, . . . . .	24
Not relieved, . . . . .	2
Not treated, . . . . .	12
Eloped, . . . . .	3
Died, . . . . .	16
<hr/>	
Total, . . . . .	196

CAUSE OF DEATH:—Phthisis, 3; Pneumonia, Cancer of Breast, Typhoid Fever, 2 each; Typho-malarial Fever, Pelvic Cellulitis, Jaundice, Œdema of Lungs, Alcoholism, Multiple injuries, Opium poisoning, 1 each. *Death Rate*, 7.37.

#### Remaining November 30, 1878:

Males, 12.	Females, 2.	Total, 14.
Medical, 9.	Surgical, 5.	
Paying, 0.	Free, 14.	

#### RESIDENCE OF PATIENTS.

Worcester, . . . . .	188
Other Towns in Massachusetts, . . . . .	18
Other States, . . . . .	4
<hr/>	
	210

#### BIRTHPLACE.

	Males.	Females.	Total.
Massachusetts, . . . . .	36	21	57
Other States, . . . . .	15	6	21
Ireland, . . . . .	59	37	96
England, . . . . .	8	2	10
British Provinces, . . . . .	7	4	11
Other Countries, . . . . .	12	3	15
<hr/>			
	137	73	210

## OCCUPATION.

Males.		Females.	
Laborers, . . . . .	44	Domestics, . . . . .	34
Mechanics, . . . . .	26	Housekeepers, . . . . .	25
Shoemakers, . . . . .	10	Minors, . . . . .	6
Minors, . . . . .	21	Dressmakers, . . . . .	4
Hostlers, . . . . .	4	Operatives, . . . . .	2
Bakers, . . . . .	3	Nurse, . . . . .	1
Carpenters, . . . . .	6	Seamstress, . . . . .	1
Clerks, . . . . .	7		—
Operatives, . . . . .	5		73
Teamsters, . . . . .	4		
Agents, . . . . .	3		
Railroad Employes, . . . . .	2		
Peddlers, . . . . .	1		
Actors, . . . . .	1		
	—		
	13		

## CIVIL CONDITION.

Males.		Females.	
Single, . . . . .	75	Single, . . . . .	37
Married, . . . . .	48	Married, . . . . .	19
Widowers, . . . . .	14	Widows, . . . . .	17
	—		—
	137		73

## ADMISSION REFUSED.

Blindness, . . . . .	1	Venereal Disease, . . . . .	6
Phthisis, . . . . .	5	Eczema, . . . . .	2
Scarlet Fever, . . . . .	1	Asthma, . . . . .	1
Blistered Hand, . . . . .	1	Pregnancy, . . . . .	1
Debility, . . . . .	1		—
Bright's Disease, . . . . .	1		22
Diphtheria, . . . . .	1		

The death rate is slightly lower than that of last year. It should also be stated that the number of deaths from disease has been larger than usual, while the number resulting from accident has been smaller.

The State aids in support of those having no legal settlement in Massachusetts. Most of those admitted are necessarily free patients, but the whole or partial payment for board is required

whenever circumstances admit. The average price paid the past year was \$7.37 per week. When patients having a legal settlement in other towns are received, remuneration is required to the extent of \$10.00 per week, which is about the cost to the city of each patient. A reasonable charge is made when anything is provided not usually furnished by the Hospital.

Respectfully submitted,

J. BARTLETT RICH,

*Superintendent and Resident Physician.*

WORCESTER, Dec. 7, 1878.

# REPORT OF THE COMMISSIONERS

OF THE

## JAQUES FUND AND OTHER FUNDS OF THE CITY HOSPITAL.

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WORCESTER, MASS., Dec. 16th, 1878.

The Commissioners beg leave to report, that, on the eleventh day of January 1878, in compliance with the terms of an order of transfer, authorized by the Trustees of the City Hospital, and under the provisions of section three of the City Ordinance of 1877, creating this Commission, they duly received, from the hands of the City Treasurer, sundry securities and assets, amounting in all, at par value, to the sum of \$24,211.83. The several securities, transferred to the Commissioners, and the particular funds to which they respectively belonged, were as follows :—

### I. GEORGE JAQUES FUND.

Four notes, secured by mortgage, . . . . .	\$3,200 00
Fifteen shares of bank stock, . . . . .	1,500 00
Fourteen shares of Gas Co. stock, . . . . .	1,400 00
Thirteen shares of R. R. Co. stock, . . . . .	1,300 00
One registered City Bond, . . . . .	5,000 00
Deposits in Worcester Savings Banks, . . . . .	9,361 89
	<hr/>
Total, . . . . .	\$21,761 89

### II. ISAAC DAVIS FUND.

One Coupon Railroad Bond, . . . . .	\$1,000 00
Savings Bank Deposits, . . . . .	350 07
	<hr/>
Total, . . . . .	\$1,350 07

### III. ALBERT CURTIS FUND.

Savings Bank Deposits, . . . . .	\$1,038 37
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## IV. JOHN B. SHAW FUND.

Savings Bank Deposits, . . . . .	\$61 50
Total, . . . . .	<u>\$24,211 83</u>

Under the provisions of section six of the Ordinance aforesaid, they also 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," 1878.

Cash assets as above, Jan. 11, 1878, . . . . .	\$24,211 83
Receipts to Sept. 30th, inclusive, . . . . .	<u>9,709 63</u>
Total, . . . . .	\$33,921 46
Disbursements to Sept. 30th, inclusive, . . . . .	<u>2,320 41</u>
Balance, . . . . .	\$31,605 55

A statement of aggregates, in tabular form, together with cash account, in detail, prepared by W. S. Barton, Esq., Treasurer of the Board, is herewith presented and makes a part of this report.

F. H. KELLEY,  
ALBERT CURTIS,  
BENJ. WALKER,

*Commissioners of the Jaques and other Hospital Funds.*

# REPORT OF DISEASES AND THEIR RESULTS, FROM DECEMBER 1, 1877 TO DECEMBER 1, 1878.

[Prepared by the Resident Physician.]

## MEDICAL.

DISEASES.	In Hosp. Dec. 1, 1877.	ADMITTED.			DISCHARGED.						In Hosp. Dec. 1, 1878.	
		Males.	Females.	Total.	Well.	Much relieved.	Relieved.	Not relieved.	Not treated.	Died.		Total.
GENERAL DISEASES :												
Typhoid Fever.....	1	7	4	11	9	..	..	..	..	2	11	1
Febricula.....	..	3	2	5	4	..	1	..	..	..	5	..
Scarlet Fever... ..	1	1	..	1	1	..	..	..	..	..	1	..
Intermittent Fever.....	..	1	..	1	1	..	..	..	..	..	1	..
Typho-Malarial Fever....	..	..	1	1	..	..	..	..	..	1	1	..
Phthisis. ....	..	4	1	5	..	1	..	..	..	3	4	1
Rheumatism, acute.....	..	4	1	5	4	1	..	..	..	..	5	..
Rheumatism, sub-acute ..	..	..	2	2	..	2	..	..	..	..	2	..
Rheumatism, chronic.....	..	3	1	4	..	2	..	1	..	..	3	1
Anaemia.....	..	..	1	1	..	1	..	..	..	..	1	..
Disease not classified....	..	1	..	1	..	..	1	..	..	..	1	..
Debility.....	..	4	7	11	1	3	1	..	1	..	11	..
Opium Poisoning.....	..	1	..	1	..	..	..	..	..	1	1	..
NERVOUS SYSTEM :												
Cephalalgia. ....	..	2	3	5	3	2	..	..	..	..	5	..
Paralysis.....	..	..	..	1	..	1	..	..	..	..	1	..
Neuralgia, supra orbital ..	..	2	..	2	..	1	..	..	..	..	1	1
Neuralgia, sciatica. ....	1	2	..	3	1	1	..	..	..	..	2	1
Insomnia.....	..	1	..	1	..	1	..	..	..	..	1	..
Hysteria.....	..	..	2	2	1	1	..	..	..	..	2	..
Alcoholismus....	..	6	2	8	5	1	..	1	1	..	8	..
FAUCIS AND THORACIC VISCERA :												
Tonsillitis.....	..	1	..	1	1	..	..	..	..	..	1	..
Bronchitis.....	..	5	..	5	2	1	1	..	..	..	4	1
Pharyngitis.....	..	1	..	1	1	..	..	..	..	..	1	..
Pleuritis.....	..	5	..	5	3	..	1	..	..	..	4	1
Pneumonia. ....	..	4	1	5	2	..	..	..	..	..	4	1
Haemoptysis.....	1	..	1	2	..	2	..	..	..	..	2	..
Empyema.....	1	1	..	1	1	..	..	..	..	2	1	..
Oedema of Lungs.....	1	..	1	1	..	..	..	..	..	..	1	..
Valvular disease of Heart...	..	2	..	2	..	2	..	..	..	..	2	..
Anemism of Aorta.....	..	1	..	1	..	1	..	..	..	1	1	..

MEDICAL. — *Continued.*

DISEASES.	In Hosp. Dec. 1, 1877.	ADMITTED.			DISCHARGED.						In Hosp. Dec. 1, 1878.	
		Males.	Females.	Total.	Well.	Much relieved.	Relieved.	Not relieved.	Not treated.	Died.		Total.
ABDOMINAL VISCERA :												
Jaundice.....			1	1						1	1	
Hepatitis.....		1		1	1						1	
Ascites.....			1	1		1					1	
Bright's Disease.....		1	1	2		1	1				2	
Albuminuria.....		1		1	1						1	
Diarrhœa.....		3	2	5	2	2	1				5	
DISEASES OF WOMEN :												
Amenorrhœa.....			2	2					2		2	
Retroflexion of uterus.....			1	1		1					1	
Endo-metritis.....			1	1		1					2	
Pelvic Cellulitis.....	1		1	2		1				1	1	
Cystocele.....			1	1							1	1
DISEASES OF THE SKIN :												
Eczema.....	1	4	2	6	2	3					5	1
Erythema.....		1		1	1						1	

## SURGICAL.

DISEASES.	In Hosp. Dec. 1, 1877.	ADMITTED.			DISCHARGED.						In Hosp. Dec. 1, 1878.	
		Males.	Females.	Total.	Well.	Much relieved.	Relieved.	Not relieved.	Not treated.	Died.		Total.
Ulcer of Cornea .....			1	1			1				1	
Inversion of Eyelids.....			3	3		1	2				3	
Iritis .....			1	1		1					1	
Hemorrhoids .....			1	1				1			1	
Fistula in Ano .....		1		1	1						1	
Hip Joint disease.....		2		2		2					2	
Adenitis.....		1		1		1					1	
Club-foot.....		1	1	2		1					1	1
Necrosis of Tibia .....		1		1	1						1	
Ulcer of Hand.....		1		1			1				1	
Ulcer of Foot.....		1		1		1					1	1
Chronic Ulcer of leg.....		6	3	9	6	1	1				8	1
Caries of Stump. ....	1	1		1	1						1	
Necrosis of bones of forearm ..			1	1	1						1	
Abscess of Shoulder. ....	1	2		3	3						3	
Inverted toe-nail.....			1	1	1						1	
Cystitis .....		2		2		2					2	
Synovitis .....	1		1	1		1					1	
Tumor of Eye .....			1	1	1						1	
Tumor of Neck.....		1		1	1						1	
Tumor of Parotid Gland.....			1	1	1						1	
Tumor of Vagina.....			2	2	2						2	
Tumor of Abdomen.....			1	1				1			1	
Ovarian Tumor.....			1	1		1					1	
Cancer of Breast.....	1		7	8	4	1	1			2	8	
Cancer of Tongue.....		1		1			1				1	
Cancer of Rectum.....			1	1				1			1	
Cancer of Testicle.....		1		1			1				1	
Orchitis .....		5		5	5						5	
INJURIES:												
Injury to Head .....		3		1	3						3	
Concussion of Brain .....		1		2		1					1	
Scalp Wound.....		2		1	1	1					2	
Burn.....		1		1	1						1	
Frost bite .....		1		6	1						1	
Bruises.....		3	3	1	3	1					6	
Rupture of Perineum.....			1	1							1	
Gun shot wound of leg.....	1	1		1	1		2				1	
Wound of Face.....		1		1	1						1	
Wound of Hand.....		1		1	1						1	
Wound of Arm.....		1		1	1						1	
Injury to Wrist .....			1	1	1						1	
Injury to Back .....		1		1	1						1	
Injury to Abdomen.....		1		1	1						1	
Injury to Leg.....		1		1	1						1	
Injury to Knee.....		2		3	1						1	
Railroad Accident.....		3		1	3						3	

SURGICAL. — *Continued.*

DISEASES.	In Hosp. Dec. 1, 1877.	ADMITTED.			DISCHARGED.						In Hosp. Dec. 1, 1878.	
		Males.	Females.	Total.	Well.	Much relieved.	Relieved.	Not relieved.	Not treated.	Died.		Total.
Fracture of Glenoid Cavity.....	1	1	1	1	1	1	1	1	1	1	1	1
Fracture of Ribs. . . . .	1	1	1	1	1	1	1	1	1	1	1	1
Fracture of Clavicle.....	1	1	1	1	1	1	1	1	1	1	1	1
Fracture of Humerus.....	1	1	1	1	1	1	1	1	1	1	1	1
Fracture of Femur.....	3	3	3	3	3	3	3	3	3	3	3	3
Fracture of Tibia . . . . .	1	1	1	1	1	1	1	1	1	1	1	1
Fracture of Tibia and Tibula. . . .	4	4	4	4	4	4	4	4	4	4	4	4
Fracture of Ulna . . . . .	1	1	1	1	1	1	1	1	1	1	1	1
Comp. Fracture of leg.....	1	1	1	1	1	1	1	1	1	1	1	1
Multiple Injuries . . . . .	1	1	1	1	1	1	1	1	1	1	1	1

ALBERT WOOD,  
EMERSON WARNER,  
GEO. A. BATES,

*Committee on Reports.*

WORCESTER, December, 16th, 1878.

# TREASURER'S REPORT

## OF THE CONDITION OF

# CITY HOSPITAL TRUST FUNDS

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The following statements have been prepared, by the undersigned, at the request of the Commissioners of the City Hospital Trust Funds, to accompany their annual report to the City Council. 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, 1878.

### RECEIPTS AND DISBURSEMENTS.

From January 11th, 1878 to September 30, 1878.

No.	TITLE OF FUND.	Amount	Receipts	TOTAL.	Payments	Balances
		Jan. 11, '78	to Sept. 30, '78		to Sept. 30, '78	Sept. 30, '78
1	Geo. Jaques Hospital Fund,	\$21,761 89	\$9,558 11	\$31,320 00	\$2,306 11	\$29,013 89
2	Isaac Davis     "     "	1,350 07	96 53	1,446 60	.....	1,446 60
3	Albert Curtis   "     "	1,038 37	52 22	1,090 59	9 80	1,080 79
4	John B. Shaw   "     "	61 50	2 77	64 27	.....	64 27
	Totals.....	\$24,211 83	\$9,709 63	\$33,921 46	\$2,320 41	\$31,605 55



## SCHEDULE OF INVESTMENTS.

September 30, 1878.

DESCRIPTION.	Fund No. 1.	Fund No. 2.	Fund No. 3.	Fund No. 4.	TOTALS.
Notes secured by mortgage....	\$11,700 00	.....	.....	.....	\$11,700 00
Bank stock.....	1,500 00	.....	.....	.....	1,500 00
City securities.....	5,000 00	.....	.....	.....	5,000 00
Town notes.....	5,000 00	.....	.....	.....	5,000 00
Savings Bank deposits.....	5,813 89	\$446 60	\$1,080 79	\$64 27	7,405 55
Railroad bonds.....	.....	1,000 00	.....	.....	1,000 00
Totals.. ..	\$29,013 89	\$1,446 60	\$1,080 79	\$64 27	\$31,605 55

## STATEMENT OF CASH RECEIPTS ON ACCOUNT OF HOSPITAL FUNDS.

## No. 1.—Proceeds of Sales of Real Estate, viz:

8 parcels, containing 49,580 square feet of land,	\$7,252 00
Premium on 14 shares Gas Company Stock,	560 00
Interest on Sundry Mortgage notes,	102 82
“ “ City and Town securities,	275 00
“ “ Savings Bank deposits,	260 56
“ “ National Bank deposits,	46 65
Dividends on 15 shares Bank stock,	45 00
“ “ 14 shares Gas Company Stock,	70 00
Rents of Hospital estate, Wellington street,	500 00
“ “ Capron estate, Crown street,	275 00
“ “ Sundry parcels of land,	143 50
Bank tax, refunded by Commonwealth,	27 58

\$9,558 11

No. 2.—Interest on Railroad Bond,	\$80 00
“ “ Savings Bank deposits,	16 53

\$96 53

No. 3.—Interest on Savings Bank deposits,	52 22
No. 4.—Interest on Savings Bank deposits,	2 77

Total, . . . . . \$9,709 63

## STATEMENT OF CASH PAYMENTS ON ACCOUNT OF HOSPITAL FUNDS.

No. 1.—Discount on 13 Shares Railroad Stock,	\$760 50
Accrued interest on investments,	100 50

Commission on investment, town note, . . . . .	25 00	
Services of Surveyors, . . . . .	15 87	
Half expense of fence, . . . . .	26 37	
Lumber and lettering signs, . . . . .	5 63	
Rent of lot, refunded to purchaser, . . . . .	10 00	
Recording Sundry Mortgages, etc., . . . . .	2 45	
Salary of Treasurer, . . . . .	72 22	
Net income, paid into City Treasury; proceeds of Real Estate sold, not included, . . . . .	1,287 57	
	<u>\$2,306 11</u>	
No. 3.—Sundry medical works, . . . . .	9 80	
Total, . . . . .		\$2,315 91
Balance, being amount carried to investment acc't No. 1. . . . .	\$7,252 00	
“ “ “ “ “ “ No. 2. . . . .	96 53	
“ “ “ “ “ “ No. 3. . . . .	42 42	
“ “ “ “ “ “ No. 4. . . . .	2 77	
	<u>\$7,393 72</u>	
		<u>\$9,709 63</u>

### SUPPLEMENTARY STATEMENT, SHOWING RECEIPTS AND PAYMENTS IN OCTOBER AND NOVEMBER, 1878.

#### RECEIPTS.

No. 1.—Proceeds of sales of Real Estate, (4 parcels), . . . . .	\$2,600 00	
Interest on mortgage notes, . . . . .	379 05	
“ “ City Bond, . . . . .	150 00	
“ “ National Bank deposits, . . . . .	3 16	
Dividends on Bank Stock, . . . . .	40 00	
Rent of Hospital estate, . . . . .	250 00	
	<u>\$3,422 21</u>	
No. 3.—Withdrawn from investment account, . . . . .	4 50	
Total, . . . . .		\$3,426 71

#### PAYMENTS.

No. 1.—Insurance of City Hospital Buildings, . . . . .	\$75 00	
Advertising, . . . . .	31 00	
Interest accrued on new investment, . . . . .	112 97	
Surveying, . . . . .	6 37	
Labor and materials, Crown Street house, . . . . .	67 60	
	<u>\$292 94</u>	
No. 3.—Paid for Medical works, . . . . .	4 50	
Total, . . . . .		\$297 44
Balance, being amount carried to investment acc't No. 1, . . . . .	\$2,600 00	
Cash on Deposit, account fund No. 1, . . . . .	529 27	
	<u>\$3,129 27</u>	
		<u>\$3,426 71</u>

## STATEMENT OF BALANCES NOV. 30, 1878.

	TITLE OF FUND.	INVESTED.	Cash on Deposit.	TOTALS.
No. 1.	Jaques Hospital Fund.....	\$31,613 89	\$529 27	\$32,143 16
No. 2.	Davis Hospital Fund.....	1,446 60	.....	1,446 60
No. 3.	Curtis Hospital Fund.....	1,076 29	.....	1,076 29
No. 4.	Shaw Hospital Fund .....	64 27	.....	64 27
	Totals .....	\$34,201 05	\$529 27	\$34,730 32

Amount of Hospital Funds, January 11, 1878,	.	.	.	\$24,211 83
“ “ “ Nov. 30, 1878,	.	.	.	34,730 32
Increase since January 11, 1878,	.	.	.	\$10,518 49

Correct, per book account.

WM. S. BARTON,

*Treasurer.*

WORCESTER, MASS., Dec. 16, 1878.

# ANNUAL REPORT

## OF THE

### BOARD OF OVERSEERS OF THE POOR.

---

GENTLEMEN OF THE CITY COUNCIL:—

THE Board of Overseers of the Poor, in as brief a manner as seems to them consistent with the importance of the subject, herewith present their annual report.

During the present year, the Legislature endeavored to revise the entire method of administration of the Public Charities in the State, and also to codify the laws in relation to the settlement of paupers; but their efforts on the first part ended in an entire failure, and on the second, were in some respects, not as satisfactory as, in the opinion of many Overseers of the Poor, seems desirable in a matter of so much importance. For instance: in the sixth part of Section I of the Codification, the same words are used as in the first part of Section II of the Act of 1874: "Any woman of the age of 21 years, &c.," and at the request of the Board of State Charities to those authorities for an exact interpretation of its meaning, we have had furnished us for guidance, the opinion of the Attorney-General of the Commonwealth, giving them one interpretation, and a decision of the Supreme Court, giving the reverse. As this has already caused much misunderstanding and some litigation, we have deemed it expedient to present you with copies of each.

## “CODIFICATION OF THE PAUPER LAWS.”

CHAP. 190. ACTS OF 1878.

### AN ACT CONCERNING THE SETTLEMENT OF PAUPERS.

*Be it enacted, &c., as follows:*

SECT. 1. Legal settlements may be acquired in any city or town, so as to oblige such place to relieve and support the persons acquiring the same, in case they are poor, and stand in need of relief, in the manner following, and not otherwise, namely:—

*First.* A married woman shall follow and have the settlement of her husband, if he has any within the state: otherwise her own at the time of the marriage, if she then had any, shall not be lost or suspended by the marriage.

*Second.* Legitimate children shall follow and have the settlement of their father, if he has any within the state, until they gain a settlement of their own: but if he has none, they shall in like manner follow and have the settlement of their mother, if she has any.

*Third.* Illegitimate children shall follow and have the settlement of their mother at the time of their birth, if she then has any within the state: but neither legitimate nor illegitimate children shall gain a settlement by birth in the place where they may be born, if neither of their parents then has a settlement therein.

*Fourth.* Any person of the age of twenty-one years, having an estate of inheritance or freehold in any place within the state, and living on the same three years successively, shall thereby gain a settlement in such place.

*Fifth.* Any person of the age of twenty-one years, who resides in any place within this state for five years together, and pays all state, county, city or town taxes, duly assessed on his poll or estate, for any three years within that time, shall thereby gain a settlement in such place.

*Sixth.* Any woman of the age of twenty-one years, who resides in any place within this state for five years together, without receiving relief as a pauper, shall thereby gain a settlement in such place.

*Seventh.* Any person being chosen, and actually serving one whole year in the office of clerk, treasurer, selectman, overseer of the poor, assessor, constable, or collector of taxes, in any place, shall thereby gain a settlement therein. For this purpose, a year shall be considered as including the time between the choice of such officers at one annual meeting and the choice at the next annual meeting, whether more or less than a calendar year.

*Eighth.* Every settled ordained minister of the gospel shall be deemed to have acquired a legal settlement in the place wherein he is or may be settled as a minister.

*Ninth.* A minor who serves an apprenticeship to a lawful trade for the space of four years in any place, and actually sets up such trade therein within one year after the expiration of said term, being then twenty-one years old, and continues there to carry on the same for five years, shall thereby gain a settlement in such place; but being hired as a journeyman shall not be considered as setting up a trade.

*Tenth.* Any person who shall have been duly enlisted and mustered into the military or naval service of the United States, as a part of the quota of any city or town in this Commonwealth, under any call of the President of the United States during the late civil war, or duly assigned as a part of the quota thereof, after having been enlisted and mustered into said service, and shall have duly served for not less than one year, or shall have died, or become disabled from wounds or disease received or contracted while engaged in such service, or while a prisoner in the hands of the enemy, and the wife or widow and minor children of such person, shall be deemed thereby to have acquired a settlement in such place; and any person who would otherwise be entitled to a settlement under this clause, but who was not a part of the quota of any city or town, shall, if he served as a part of the quota of this Commonwealth, be deemed to have acquired a settlement in the place where he actually resided at the time of his enlistment. But these provisions shall not apply to any person who shall have enlisted and received a bounty for such enlistment in more than one place, unless the second enlistment was made after an honorable discharge from the first term of service, nor to any person who shall have been proved guilty of wilful desertion, or to have left the service otherwise than by reason of disability or an honorable discharge.

*Eleventh.* Upon the division of a city or town, every person having a legal settlement therein, but being absent at the time of such division, and not having acquired a legal settlement elsewhere, shall have his legal settlement in that place wherein his last dwelling-place or home happens to fall upon such division; and when a new city or town is incorporated, composed of a part of one or more incorporated places, every person legally settled in the places of which said new city or town is so composed, and who actually dwells and has his home within the bounds of such new city or town at the time of its incorporation, and any person duly qualified as provided in the tenth clause of this section, who, at the time of his enlistment, dwelt and had his home within such bounds, shall thereby acquire a legal settlement in such new place: *provided*, that no persons residing in that part of a place, which, upon such division, shall be incorporated into a new city or town, having then no legal settlement therein, shall acquire any by force of such incorporation only; nor shall such incorporation prevent his acquiring a settlement therein within the time and by the means by which he would have gained it there if no such division had been made.

SECT. 2. No person who has begun to acquire a settlement by the laws in force at and before the time when this act takes effect, in any of the ways in which any time is prescribed for a residence, or for the continuance or succession of any other act, shall be prevented or delayed by the provisions of this act; but he shall acquire a settlement by a continuance or succession of the same residence or other act, in the same time and manner as if the former laws had continued in force.

SECT. 3. Except as hereinafter provided, every legal settlement shall continue till it is lost or defeated by acquiring a new one within this state; and upon acquiring such new settlement all former settlements shall be defeated and lost.

SECT. 4. All settlements acquired by virtue of any provision of law in force prior to the eleventh day of February in the year one thousand seven hundred and ninety-four, are hereby defeated and lost: *provided*, this shall not apply where the existence of such settlement prevented a subsequent acquisition of settlement in the same place under the provisions of clauses fourth, fifth, sixth, seventh, eighth, ninth, tenth, and eleventh of the first section of this act; and *provided, further*, that, whenever a settlement acquired by marriage has been thus defeated, the former settlement of the wife, if not defeated by the same provision, shall be deemed to have been thereby revived.

SECT. 5. Chapter sixty-nine of the General Statutes, chapter two hundred and eighty-eight of the acts of the year one thousand eight hundred and sixty-six, section



one of chapter three hundred and twenty-eight of the acts of the year one thousand eight hundred and sixty-eight, chapter three hundred and ninety-two of the acts of the year one thousand eight hundred and seventy, chapter three hundred and seventy-nine of the acts of the year one thousand eight hundred and seventy-one, chapter two hundred and eighty of the acts of the year one thousand eight hundred and seventy-two, and chapter two hundred and seventy-four of the acts of the year one thousand eight hundred and seventy-four, are hereby repealed, saving all acts done, or rights accruing, accrued, or established, or proceedings, doings, or acts ratified or confirmed, or suits, or proceedings had or commenced, before the repeal takes effect.

[*Approved April 26, 1878.*]

The Board of State Charities asked the Attorney-General of the Commonwealth for an interpretation of the first clause of the second Section of this law, (Chap. 274, Acts of 1874.) His response was as follows :

ATTORNEY GENERAL'S OFFICE,  
BOSTON, September 19, 1874.

*To the Board of State Charities :*

Prior to Acts of 1870, chapter 392, an unmarried woman could obtain a settlement only under the provisions of the General Statutes, Chapter 69. By the Act of 1870, "any unmarried woman" obtained a settlement by a residence of ten years together, in any place, under certain conditions. By Chapter 274, section 2, of the Acts of 1874 section 1 of chapter 392, Acts of 1870, is repealed, and a new provision substituted. The substitute changes the law of 1870 in three particulars; the effect of one only is material for me to consider under the question submitted by your Board for my opinion. In the Act of 1874, the word "unmarried" is omitted. The plain and obvious intention of the Legislature by this change of the law, is to so arrange the law of settlement as that women shall have the same rights irrespective of any condition of marriage. The language of the Act, taken in connection with the Act repealed, does not allow of any other construction, and the intention of the Legislature, if it can be ascertained, is to govern. In the present instance, the omission of the word "unmarried," and the use of the word "woman" only, makes it appear manifestly to have been the intention of the Legislature to use the word "woman" in the Act, so as not to be affected or modified by the condition of marriage; and in my opinion, no other construction can be given the Act. The intention of the Legislature being manifest, no consideration of presumption can arise.

Yours very respectfully,

CHARLES R. TRAIN.

The Board of State Charities, acting under the opinion given above, claimed that all wives and children of State Paupers who had lived five years in a town, had thereby gained a settlement therein, whether the husband and father had paid taxes or not, and the controversy respecting it, continued two years

before a decision of the Supreme Court on the law was obtained; and as it was contrary to the action of the State Board and the opinion of the Attorney-General, it is to be regarded as of sufficient importance to attract the notice of the Legislature before the codification of 1878 takes effect, in order that they may apply a remedy.

## SUPREME JUDICIAL COURT OF THE COMMONWEALTH.

SEPTEMBER, 12th, 1876.

### CITY OF SOMERVILLE *vs.* THE CITY OF BOSTON.

The plaintiff in this suit sought to recover for relief furnished under the pauper laws to a married woman. It was claimed by the plaintiff that Mary McCloskey, who before her marriage had no settlement in this Commonwealth, acquired one in Boston, under Stat. 1874, chap. 274, sec. 2, by marriage, and five years' continuous residence in that city with her husband, who had himself no settlement there or elsewhere in this State, and who acquired none by such residence. The statute relied on declares that any woman of the age of twenty-one years who resides in any place within this State for five years together, without receiving relief as a pauper, shall thereby gain a settlement in such place; and it expressly repeals the first section of chap. 392 of the Acts of 1870, by which any unmarried woman of the age of twenty-one years was permitted to gain a settlement by ten years' residence. By the first clause of section 1 of chapter 69 of the General Statutes, the settlement of a married woman is made to follow the settlement of her husband, if he has any, otherwise her own, at the time of marriage, if she then had any, is not lost or suspended by the marriage. The question to be decided was whether section 2 of chapter 274 of the laws of 1874 so far repeals the first clause of section 1 of chapter 69 that a married woman shall thereby acquire a settlement in a city or town where her husband has none.

The case was heard on agreed facts, and judgment has now been reached for the defendant. The rescript is as follows:

"The statute of 1874 was intended to diminish the time from ten to five years, required to give to an unmarried woman a settlement, and not to extend the class of persons to whom the law as it then stood was applicable."

C. ROBINSON, JR., for the Plaintiff, and  
J. L. STACKPOLE, for the Defendant.

We also desire to call your attention to another law in chap. 282, Acts of 1878, for the relief of *soldiers* and *sailors*, which lifts *them* entirely above the pauper laws, and provides aid from the Commonwealth, through the town and city authorities for

a large class of men for whom no *special* provision had previously been made and who were said to be too sensitive to apply for relief as Paupers.

[CHAP. 232, of 1878.]

## AN ACT TO PROVIDE ADDITIONAL PAY TO POOR AND INDIGENT SOLDIERS AND SAILORS.

*Be it enacted, &c., as follows :*

SECT. 1. Every city and town in which any soldiers or sailors reside, who have served in the army or navy of the United States to the credit of this Commonwealth, and been honorably discharged therefrom, and are not entitled to admission to any national soldiers' home, and who are poor and indigent and stand in need of relief, shall raise money by taxation or otherwise, and as further compensation for such service, shall under the direction of its mayor and aldermen, or selectmen, pay to such soldiers or sailors, or if deemed best expend therefor, such necessary sum of money as will furnish them reasonable relief or support; and no such soldier or sailor shall be required to receive such relief or support in any almshouse or in any public institution unless he chooses to do so, or his physical or mental condition requires it; and all sums of money so paid out or expended, shall be reimbursed by the Commonwealth to such city or town in the manner State aid is now reimbursed. And any such soldier or sailor requiring full support may select the place where he will be supported; *provided*, the cost of such support at the place selected shall not exceed the fair average cost of reasonable support for persons of like degree in life, in such city or town; and any city or town violating any of the provisions of this act shall be liable in an action of contract to any persons furnishing such relief or support, after written notice to such mayor or selectmen that the same is to be furnished.

SECT. 2. It shall be the duty of the surgeon-general of the Commonwealth to inquire as to the number of indigent soldiers or sailors now receiving public aid throughout the Commonwealth, and include in his next annual report such facts as he may gather in regard to the condition and necessities of such persons.

SECT. 3. This act shall take effect upon its passage. [*Approved May 17, 1878.*]

Although not a part of our duty as Overseers of the Poor, we have, at the request of the Committee on Military Affairs of the Board of Aldermen, performed the labor necessary in making suitable investigation in regard to applicants, procuring certificates of service and military history from the proper authorities, and making out the petitions for aid as provided by law, in order to secure the reimbursement from the State, of the amount paid out by the City.

The Act is said by many to have been loosely drawn, as few persons have the same ideas as to what should be conveyed by the sentence "*Fair average cost of reasonable support for persons*

*of like degree in life,"* and there is a decided difficulty in determining with the applicant *just what degree in life support* he is entitled to.

As we have been able to form some opinion of the class of applicants who have presented themselves, we are in truth compelled to say that many of them are entirely unworthy of the consideration accorded them, and after obtaining what they could of the State, have not manifested that sensitiveness with regard to receiving pauper aid, which, as soldiers, they were supposed to possess, but have pressed their claims and demanded both. You will observe that the act makes provision for only the soldier or sailor himself, his family not being mentioned, consequently they fall back on his military pauper settlement, and have to be provided for as before by the town on whose quota he served, and the soldier is allowed to draw, in addition, on the State, through the authorities of the place where he happens for the time to reside.

#### CITY RELIEF DEPARTMENT.

The whole number of families who have applied for, and received aid during the year, is seven hundred and thirty-five, comprising twelve hundred and thirty-eight males, and thirteen hundred and fourteen females, or twenty-five hundred and fifty-two persons.

Of these, four hundred and seventy families, consisting of eight hundred and nineteen males and eight hundred and twenty-nine females, or sixteen hundred and forty-eight persons have legal pauper settlements in this city or elsewhere, and two hundred and sixty-five families, consisting of four hundred and nineteen males and four hundred and eighty-five females, or nine hundred and four persons, were State paupers, or have 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 sixty-one—ninety-three males and sixty-eight females.

The number provided for at the Insane Hospital during the year has been twenty-eight—ten males and eighteen females.

Twenty-two 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 Chapter LXXI. section 25 of the General Statutes.

Forty State Paupers have been sent to the State Almshouse at Tewksbury, after having been aided here to a greater or less extent.

Ninety-seven heads of families, consisting of three hundred and seventy-six members, 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 two thousand, eight hundred and forty-one orders, on various persons, for the following necessities:

In Cash allowances, . . . . .	\$208 22
Fuel, . . . . .	1,314 40
Groceries, . . . . .	2,714 25
Medicine, attendance and nursing, . . . . .	708 18
Burial expenses, . . . . .	531 00
Transportation of paupers, , . . . . .	492 14
Insane Hospital bills, . . . . .	4,080 14
State Reformatory Institution bills, . . . . .	492 50
Aid to Worcester poor in other towns, . . . . .	1,561 89
Books, stationery, postage, &c., . . . . .	256 78
Furniture and clothing, . . . . .	42 95
Miscellaneous expenses, . . . . .	328 35
Total, . . . . .	<hr/> \$12,730 80

For the monthly expenditures of the same year, you are referred to the table attached to this section of the report.



## CITY RELIEF DEPARTMENT.

MONTHLY ACCOUNTS OF 1878.	No. of Orders Drawn.	Paid in Cash Allow- ances.	Cost of Fuel.	Cost of Groceries.	Medicine, Attendance and Nursing.	Cost of Burials.	Transportation of Paupers.	Insane Hospital Bills.	State Reformatory Institutions.	Paid other Towns.	Books, Stationery, Postage and Printing.	Furniture and Cloth- ing.	Miscellaneous Ex- penses.	Total.
1877														
December . . .	281	\$6 70	\$151 25	\$257 00	\$54 10	\$39 00	\$88 75	\$1,008 28		\$503 78	\$5 35	\$3 15	\$49 25	\$2,166 61
1878														
January . . .	496	8 97	270 25	435 00	64 24	64 00	15 00	45 00	\$152 50	537 81	11 25	1 25	31 00	1,636 27
February . .	512	21 00	274 75	432 50	73 24	23 00	44 00			57 00	171 00	2 00	28 25	1,126 74
March . . . . .	482	56 75	209 50	479 00	102 06	43 00	15 15	895 25		23 57	10 05	9 50	49 35	1,893 63
April . . . . .	248	22 30	89 00	237 84	77 00	26 00	32 50	50 00	149 00	238 82	5 00		19 50	946 96
May . . . . .	155	8 95	37 25	190 00	70 73	62 00	37 30			123 55	5 00	7 30	18 00	560 08
June . . . . .	92	6 50	9 50	117 50	48 20	72 00	26 60	1,046 61		26 10	5 00		13 50	1,371 51
July . . . . .	87	3 40	8 75	79 75	46 20	38 00	49 43	11 00	70 00	25 76	14 31	2 00	16 50	365 10
August . . . . .	70	4 00	18 00	89 00	36 73	28 00	14 75			25 50		2 50	2 25	220 73
September . . .	92	12 80	17 60	84 50	45 75	82 00	52 08	937 48			7 00		24 00	1,263 21
October . . . .	125	8 00	52 05	122 16	41 03	21 00	40 55	86 52	121 00		16 37	9 00	35 50	553 18
November . . .	201	48 85	176 50	190 00	48 90	33 00	76 03				6 00	6 25	41 25	626 78
	2841	\$208 22	\$1,314 40	\$2,714 25	\$708 18	\$531 00	\$432 14	\$4,080 14	\$492 50	\$1,561 89	\$256 78	\$42 95	\$328 35	\$12,730 80



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 in <i>this</i> <i>City</i> .	Amount drawn by persons having a set- tlement in <i>other</i> <i>Cities or Towns</i> .	Amount drawn by persons having <i>no known</i> <i>settlement any-</i> <i>where</i> .	TOTAL.
1877.					
December .....	281	\$284 80	\$132 35	\$147 25	\$564 40
1878.					
January .....	495	415 30	202 90	216 75	834 95
February .....	512	439 53	171 15	197 36	808 04
March .....	482	413 08	225 40	163 78	802 26
April .....	248	248 85	112 20	73 95	435 00
May ....	155	196 95	79 40	108 93	885 28
June .....	92	98 60	63 30	58 10	220 00
July .....	87	64 40	49 50	98 75	212 65
August .....	70	74 55	29 90	44 93	149 38
September .....	92	106 00	52 70	87 10	245 80
October .....	125	137 58	69 65	75 45	262 68
November ...	201	271 80	137 90	101 88	511 58
	2841	\$2,751 44	\$1,326 35	\$1,374 23	\$5,452 00

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, . . . . .	\$617 67
Clerk of the Board, . . . . .	1,217 00
Disbursements, . . . . .	12,730 80
Total, . . . . .	\$14,565 47

The resources have been as follows :—

Appropriation by City Council, . . . . .	\$14,000 00
Received from State and other cities and towns, . . . . .	2,241 99
Total receipts, . . . . .	\$15,241 99
Total expenditures, . . . . .	14,565 47
Unexpended balance, . . . . .	\$1,676 52

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 1878:

REGISTERED PAUPER NUMBER.	N A M E S.	AGE.	Place of Birth.	Place of Support.
1544....	John Burr.....	87	Norton,	Wor'ter Lunatic Hosp.
1257....	Lydia Brown.....	69	Worcester,	" "
1671....	Johanna Buckley.....	50	Ireland,	" "
1693....	Ellen Bulger.....	—	Ireland,	" "
85....	Harriet Crosby.....	57	Brewster,	" "
1292....	Abbie Donahoe.....	23	Unknown,	" "
1637....	Salina E. Davis.....	—	Unknown,	" "
676....	Richard Everett.....	52	Ireland,	" "
1719....	Mary Fitzgerald.....	30	Ireland,	" "
1138....	Caroline Foster.....	—	Maine,	" "
572....	Patrick Grace.....	45	Ireland,	" "
1331....	Mary A. Goggin.....	22	Worcester,	" "
950....	Michael Hayes.....	—	Ireland,	" "
1276....	John Jackson, jr....	28	Salem,	" "
518....	Barbara Kohl.....	35	Germany,	" "
1339....	John Kelley.....	42	Ireland,	" "
1591....	Henry S. Lord.....	48	Pawtucket,	" "
1012....	Mary McGrath.....	42	Ireland,	" "
768....	Nora S. Murphy.....	27	Ireland,	" "
1347....	Morris Marony.....	—	Ireland,	" "
655....	James Mulcahey.....	40	Worcester,	" "
1695....	Charles E. Mason.....	—	Unknown,	" "
1273....	Edith C. Pierce.....	22	Unknown,	" "
568....	Edwin A. Robie.....	47	Cambridge,	" "
1703....	Edward S. Salmon.....	20	Uxbridge,	" "
1130....	Jemima Talbot.....	31	Ireland,	" "
1312....	Mary Toomy.....	57	Ireland,	" "
1670....	Adeline Young.....	51	Worcester,	" "

List of Paupers having a legal pauper settlement in Worcester, but living and receiving aid in other towns, during the year 1878:

REGISTERED PAUPER NUMBER.	N A M E S.	Number in Family.		WHERE LIVING  AND AIDED.
		Males.	Females.	
1464....	Henriette Cotting.....	1	2	Cambridge.
1499....	John Fitzgerald.....	1	1	Chicopee.
854....	Henry Mason.....	3	3	Lynn.
1681....	William Gore.....	3	3	Cambridge.
1401....	Warren R. Hale.....	2	2	Northampton.
1630....	Daniel Hurley.....	3	4	Cambridge.
1526....	Eliza King.....		1	Tewksbury.
1700....	Isaac Ladeaux.....	2	1	Wendall.
1656....	David Nagle.....	1	1	Warren.
1203....	Lucy A. Parmenter.....	1	2	Cambridge.
1317....	Emma H. Taylor.....		1	Orange.
1389....	George Whalen.....	2	1	Ware.

List of Paupers aided in Worcester, but settled in other towns :

NAMES OF APPLICANTS.	PLACE OF SETTLEMENT.	NAMES OF APPLICANTS.	PLACE OF SETTLEMENT.
John F. Downs,	Leominster.	Johanna Malony,	Springfield.
Augusta Colburn,	Ashland.	Bridget Collins,	"
Michael Murphy,	Holden.	Iveson Horace,	"
Edwin Erwin,	"	Ann Kelly,	Auburn.
Hattie E. Damon,	Warren.	James Finnegan,	"
Mary J. Stevens,	"	Bridget Morgan,	"
George Holden,	Lynn.	Patrick Harrigan,	Leicester.
Jackson Pelteer,	Southbridge.	Dennis Hearn,	"
Alonzo P. Cutting,	"	Mary O'Brien,	"
Emory Rockwood,	Holliston.	Horace Fiske,	"
Betsey M. Bacon,	Dudley.	Louisa Johnson,	Princeton.
Diantha Bacon,	"	James A. Hagar,	"
Thomas Connelly,	Hadley.	Imogene Ellsbee,	"
Thomas Smith,	Lawrence.	George A. Snow,	W. Boylston.
Anthony Jordan,	Clinton.	Napoleon Diagneau,	"
Mary Hart,	Upton.	James McCurdy,	"
Josiah P. Bitner,	Malden.	John Fowe,	Millbury.
Edward Roberts,	Southboro.	Robinson Hopwood,	"
Helen Osborne,	N. Brookfield.	Mary Shehee,	Milford.
Mary Edwards,	"	John W. Southland,	"
Mary W. Holmes,	"	Patrick Flynn,	"
David Price,	"	John J. Ford,	"
Isaac Whittemore,	Hubbardston.	Patrick Boyle,	"
Lewis O'Rielly,	Webster.	Catherine Hynes,	"
Mary Brock,	Hudson.	Thomas Moran,	"
Margaret Martin,	Natick.	Dennis McSorley,	Boston.
Jane K. Dyer,	So. Braintree.	Lydia J. Duffin,	"
John Remmick,	Sutton.	John McIntire,	"
Leander Taylor,	Weymouth.	Patrick Mellen,	"
John Donelly,	"	Albert Rockwood,	"
Thomas Millet,	Middlefield.	James Harvey,	"
Thomas Curran,	New Bedford.	Rose McFarland,	"
James P. Luther,	"	Erastus Randlet,	"
Andrew P. Clark,	Cambridge.	Catherine Fitzgerald,	"
Baron P. Hoyt,	Lowell.	Israel Adams,	N. Adams.
Stephen Cabeau,	"	Jane E. Perry,	Spencer.
Owen Sullivan,	Palmer.	Daniel Greene,	"
Call C. Turner,	Grafton.	Charles E. Reed,	"
Mary Holdsworth,	"	Ann Doyle,	Sterling.
John Cosgrove,	"	Edward Scott,	"
Paul Cluchy,	"	Hattie A. Dawless,	"
Caroline Flagg,	"	Addison Braddish,	Royalston.
Alfred Roberts,	"	Theophile Goodreau,	Marlboro.
Chas. H. Nutting,	Fitchburg.	Joseph Bolster,	"
Geo. F. Sylvester,	"	Catherine Larvin,	"
Geo. W. Trombly,	"	Joseph Ceaulac,	"
Wm. H. Strong,	"	John Rice,	Westboro.
Albert Peterson,	Berlin.	Bndget Curtain,	"

Persons having a legal Pauper Settlement in Worcester, and receiving full support at Bridgewater Work House:

REGISTERED PAUPER NO.	NAMES.	AGE.	PLACE OF BIRTH.
1566. . .	Augustus Provan. . . . .	27	Milford.
977....	Patrick Shea.....	38	Ireland.

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.
1496. . .	Burns, John.....	15	Unknown.
617. . .	Croak, James.....	17	Worcester.
1721. . .	Collins, Edward.....	14	Worcester.
1722. . .	Lynch, Dennis . . . . .	12	Unknown.
1321 . .	McCaffry, Edward.....	17	Worcester.
235 . . .	McCann, George.....	12	Worcester.
1160. . .	O'Toole, James.....	17	Worcester.
1606. . .	Quinn, Michael... . .	15	Worcester.
1519. . .	Rourke, Peter . . . . .	18	Unknown.
1338 . .	Shea, John.....	12	Ireland.
1504. . .	Shea, John.....	17	Westboro'.
1408. . .	Toole, James.....	16	Worcester.

## ALMSHOUSE DEPARTMENT.

Your attention having several times been called to the unprotected condition of the Almshouse property, consisting as it does, of so many wooden buildings, in case of fire, and no action having been taken thereon, this Board have deemed it advisable to call on the Engineers of the Fire Department to visit the premises and make such suggestions for its safety in such an emergency as to them seemed necessary; and they, in company with the several members of the Board, carefully examined the premises and the result was a recommendation by them that the dam on the almshouse brook be rebuilt in order to form a reservoir from which a supply of water could be obtained for the engines, as the wells on the premises would be of but little account; also that stand pipes be placed in each wing of the main building near the division walls, and hose attachments made on each floor, and that a telegraph and telephone communication be built, connecting the almshouse with the clerk's office and police station at City Hall, in order that an alarm might reach the Fire Department immediately, and the Board instructed the farm committee to carry out the suggestions as soon as possible, as the appropriation for the present year would cover the expenses.

Accordingly, a substantial dam, high enough to flow a pond of about three acres, has been built, at a cost of \$583, thereby securing an ample supply of water which can be utilized either for fire or domestic purposes at any time it is decided to add the proper appliances for doing so. The stand pipes and hose will be added as soon as circumstances will permit. It is also recommended that an iron pipe of sufficient capacity be laid in the ground between the reservoir and the buildings, and a force pump attached to it, in order to furnish an additional supply at the house for domestic purposes, which is daily becoming more necessary and in case of fire, the engine would be already on the ground and in operation—an advantage which is obvious to any one.

A line of poles cut from the wood-lot of the farm has been set on Lincoln street, extending from the almshouse to the city, and



a wire placed on them by the city electrician, and the telephone communication on the same is a complete success and great convenience, at the cost of \$322.97.

The buildings are at present heated by several stoves and two hot air furnaces, one of which is entirely used up, and the other partly so, and the Board are unanimously of the opinion that it would be a matter of economy to the city, as well as safety with the class of people who work with them, that a steam boiler be substituted, thereby confining the fire to one location and the care of it to one person, and very much diminishing risk of conflagration. We therefore respectfully recommend a suitable appropriation be made to cover the expense of the same, and will also add that the superintendent of, and the Committee on Public Buildings, fully concur in this recommendation.

The condition of the farm is constantly improving, and the continued application of the large amount of dressing obtained from the Piggery, in addition to the system adapted of pasturing the swine during the summer months, shows its effect on what we have sometimes been obliged to confess was, in a double sense, a "*Poor Farm.*" The crops of the present year, have been, at least, equal to those of the best farms in this vicinity. We have harvested 70 tons of hay, 850 bushels of potatoes, 12 tons of mangel-wurtzel, 8 tons of ruta-baga, 4 tons of carrots, 8 tons of turnips, 50 bushels of table beets, 29 bushels of beans, 386 bushels of corn in the cob, 800 heads of cabbage, and 3 acres of barley, 3 acres of rye, 8 acres of oats, and the largest quantity of apples ever seen on the premises.

The plan of cultivation, aiming to turn as much as possible of the land into productive hay fields, has been largely favored, and bids fair to speedily make a good return for the cost and labor expended thereon.

During the past two years, no oxen have been used in the farm work, as formerly, their places having been filled by horses, as so many more have been kept on account of collecting the city offal. Five valuable animals connected with the Farm Department have died during the year, and their places having had to be filled by the purchase of others, a large item has unavoidably been added to the expenses,



The Board have already stated that there is more wood land connected with the farm than is necessary, the establishment now being heated with coal, and again recommend that they be authorized to dispose of some of the out-lying lots, should an opportunity occur, as was recommended by the Investigating Committee of last year, and which could have been advantageously disposed of then by the Board of Overseers, but the parties who would have purchased of them, declined to trade with the committee at that time appointed by the City Council.

All the farm buildings are in first-class condition throughout, having been thoroughly painted, inside and out, during the year. A much needed sewer for drainage of the cellar of the horse-barn and the whole area between the buildings, has been put in and connected with the main sewer, thereby providing complete drainage of the whole premises.

The basement rooms on the south side of the east wing of the main building, formerly used as the lodging-room for tramps, have been re-fitted and appropriated to the use of the partially insane inmates, thereby insuring them more comfortable quarters, and at the same time relieving the others of the necessity of constant companionship with them, which was, oftentimes, far from agreeable.

The cooking range which was placed in the kitchen when the almshouse was built, having been entirely worn out, has been replaced by a new one of improved pattern and of sufficient capacity to meet the demands of the increasing family, at a cost of two hundred and fifty dollars.

On Thursday, November 31, 1878, the Board of Overseers of the Poor, and the Board of Assessors, met at the City Almshouse for the purpose of making the annual appraisal. It was decided that the present value should be put upon the various articles, without reference to any former appraisal, and the various committees, under the direction of the clerk, proceeded to the several parts that had been assigned them, and on its completion, made the following report:—

96 acres of cleared land, at \$80,	\$7,680 00
100 acres of wood land, at \$75,	7,500 00
26 acres of Harlow pasture, at \$40,	1,040 00
50 acres of Davidson pasture, at cost,	1,280 00
24 acres of Bond meadow,	1,600 00
8 acres of Curtis lot,	2,400 00
<b>Total value of land,</b>	<b>\$20,500 00</b>
Almshouse Building,	\$20,000 00
Small Brick House and Corn Barn,	1,000 00
Small Pox Hospital Building,	500 00
Farm Stock Barn,	7,000 00
Horse Stable,	5,000 00
Swine House,	5,000 00
<b>Total value of buildings,</b>	<b>\$38,500 00</b>
<b>Total value of land,</b>	<b>20,500 00</b>
<b>Total value of real estate,</b>	<b>\$59,000 00</b>
Farm Stock, tools, vehicles, &c.,	8,165 12
Furniture and Household Utensils,	4,402 37
Appurtenances of the Truant School,	263 25
Appurtenances of Scavenger Department,	4,502 75
<b>Total valuation,</b>	<b>\$76,333 49</b>

The Board also expressed their entire satisfaction with the appearance of the whole establishment, and the faithful manner in which both the Superintendent and Matron had discharged their duties during the past year, and the clerk was instructed to make entry in the records of the same.

The number of paupers in the Almshouse, on the last day of November, was fifty-two, being seven less than in 1876 and 1877, as both of those years had fifty-nine, but the average number during the year has been as large as then, and a much greater proportion of them have been children. The annexed list will furnish full particulars in regard to them.

List of Paupers who have been fully supported at the Alms-house in this City, during the year 1878:—

Registered Pauper No.	NAMES.	AGE.	PLACE OF BIRTH.	PERIOD OF SUPPORT.		REMARKS.
				Began.	Ended.	
3	David Kimball,	45	Worcester,	Jan. 5, '57	Continues.	
4	Allen Cummings,	41	"	April 2, '57	"	
21	Miranda P. Smith,	66	Ware,	April 10, '57	Sept. 28, '78	Deceased.
83	Charles Parkhurst,	70	Boston,	June 15, '68	April 12, '78	Deceased.
84	Emeline Parkhurst,	67	Oakham,	"	Continues.	
87	Thomas Croley,	59	Ireland,	July 28, '68	Continues.	
134	William Jones,	71	Salem,	July 1, '70	Continues.	
154	Elsie Adams,	54	Worcester,	Mar. 24, '70	Continues.	
194	Morris Moriarty,	70	Ireland,	Nov. 6, '71	Continues.	
245	John Luby,	51	Ireland,	Feb. 6, '73	Continues.	
271	William Collins,	21	Worcester,	April 5, '73	Continues.	Idiotic.
294	J. J. O'Leary,	52	Ireland,	Aug. 1, '73	Continues.	Par'y Insane
357	Mary Fitzgerald,	29	Charleston,	Nov. 16, '74	Sept. 17, '78	Deceased.
360	Katie Fitzgerald,	9	Worcester,	Nov. 21, '74	Sept. 19, '78	
378	Patrick Coffee,	72	Ireland,	Feb. 4, '74	Continues.	Blind.
379	Timothy Coffee,	9	Worcester,	"	Continues.	
395	James Mackin,	71	Ireland,	June 29, '75	Continues.	
400	Dexter W. Jones,	81	Mass.,	July 21, '75	Continues.	
401	Henry Hoyle,	33	Grafton,	"	Continues.	
402	George Matthewson,	57	Rhode Island,	Sept. 1, '75	Jan. 22, '78	Deceased.
411	William Hines,	15	Worcester,	Oct. 12, '75	Oct. 14, '78	
438	William Mitchell,	65	England,	Jan. 21, '76	Continues.	
441	John Sweeny,	31	Ireland,	Feb. 28, '75	Continues.	
443	Maria McCarty,	—	Ireland,	Feb. 29, '77	Continues.	
451	Maria Morrissey,	58	England,	Mar. 18, '76	Jan. 14, '78	Deceased.
452	Susan Carpenter,	49	Germany,	Apr. 17, '76	Jan. 14, '78	
455	Thomas Whalen,	72	Ireland,	Apr. 18, '76	Jan. 14, '78	
457	Daniel F. Andrews,	53	Hinsdale,	June 1, '76	Jan. 14, '78	
463	Winnie Gaffy,	63	Ireland,	June 27, '77	Mar. 28, '78	Deceased.
465	George Gleason,	47	Worcester,	Sept. 5, '76	May 7, '78	
468	Johanna Buckley,	44	Ireland,	Sept. 12, '76	Sept. 7, '78	
469	John Buckley,	4	Worcester,	"	Sept. 7, '78	
473	Thomas Dwyer,	52	Ireland,	Oct. 14, '76	May 31, '78	
476	Phylena Hector,	11	Worcester,	Nov. 16, '75	Nov. 23, '78	
479	John McCue,	—	Ireland,	Dec. 7, '76	Continues.	
483	Cornelius Hurley,	14	Worcester,	Jan. 24, '77	Continues.	
494	James Hurley,	9	"	Mar. 13, '77	Oct. 31, '78	
499	John McArdle,	21	"	April 18, '77	May 30, '78	
506	Honora Leary,	30	Ireland,	Oct. 3, '77	Nov. 3, '78	
508	William Prescott,	30	Worcester,	July 18, '77	Continues.	
509	Margaret Shea,	33	Ireland,	"	May 8, '78	
510	Annie Shea,	12	Worcester,	"	May 8, '78	
511	Katie Shea,	2	"	"	May 8, '78	
514	Michael Hayes,	48	Ireland,	Aug. 4, '77	May 4, '78	
516	Patrick Hurley,	52	"	Aug. 15, '77	Continues.	
517	John Collins,	44	"	"	Dec. 31, '77	
519	Roxanna Lennon,	47	"	Sept. 14, '77	Continues.	
520	Henry M. Ide,	46	Prov., R. I.	Sept. 15, '77	Dec. 31, '77	
522	Catherine Walcott,	62	Williamst'n,	Sept. 24, '77	Continues.	
524	John Lewis,	2	Worcester,	Oct. 29, '77	Feb. 2, '78	
525	Jas. J. Johnson,	—	Unknown,	"	Continues.	
526	William Coxon,	68	England,	"	Continues.	

## List of Paupers.—Continued.

Registered Pauper No.	NAMES.	AGE.	PLACE OF BIRTH.	PERIOD OF SUPPORT.		REMARKS.
				Began.	Ended.	
527	George Palmer,	64	Salem,	Nov. 5, '77	Continues.	Continues.
528	Margaret Welch,	—	Unknown,	Nov. 6, '77	May 5, '78	
530	Clark Goulding,	59	Maine,	Nov. 26, '77	Mar. 12, '78	Deceased.
531	William Lee,	21	Sterling,	Nov. 21, '77	Feb. 4, '78	
532	Jacob Wilson,	39	Germany,	Dec. 8, '77	May 8, '78	
533	William Gardner,	71	Norwich,	Dec. 11, '77	Continues.	
534	Louisa Johnson,	46	So. Dartmouth	Dec. 11, '77	Dec. 23, '77	
535	Michael Brennock,	51	Ireland,	Dec. 13, '77	Sept. 3, '78	
536	Mary Brennock,	—	Ireland,	Dec. 13, '77	Sept. 3, '78	
537	James Brennock,	9	Worcester,	Dec. 13, '77	Sept. 3, '78	
538	Robert Brennock,	7	Worcester,	Dec. 13, '77	Sept. 3, '78	
539	Bridget Brennock,	5	Worcester,	Dec. 13, '77	Sept. 3, '78	
540	Katie Brennock,	2	Worcester,	Dec. 13, '77	Sept. 3, '78	
541	Bessie Johnson,	7	Connecticut,	Dec. 11, '77	Dec. 23, '77	
542	Edward Deady,	—	Ireland,	Jan. 16, '78	June 20, '78	
543	John Laverty,	8	Worcester,	Jan. 19, '78	July 19, '78	
544	Enoch Stallardt,	52	Germany,	Jan. 19, '78	Continues.	
545	Alice Spencer,	10	Worcester,	Jan. 26, '78	May 15, '78	
546	Edward Spencer,	6	Worcester,	Jan. 26, '78	May 15, '78	
547	Lydia Brown,	68	Worcester,	Feb. 1, '78	Continues.	
548	Henry M. Ide,	46	Prov., R. I.	Feb. 15, '78	May 15, '78	
549	George Lee,	18	Worcester,	Mar. 4, '78	Mar. 21, '78	
550	Hannah Sullivan,	50	Ireland,	Mar. 5, '78	Continues.	
551	Timothy Gleason,	10	Worcester,	Mar. 7, '78	Apr. 6, '78	
552	John Gleason,	8	Worcester,	Mar. 7, '78	Apr. 6, '78	
553	Florence Gleason,	5	Worcester,	Mar. 7, '78	Apr. 6, '78	
554	Joseph Damon,	11	Leominster,	Mar. 9, '78	Apr. 6, '78	
555	Charles H. Newton,	32	Westboro',	Mar. 16, '78	Apr. 15, '78	
556	Hattie L. Newton,	22	N. H.,	Mar. 16, '78	May 11, '78	
557	Ellenwood Newton,	2	N. H.,	Mar. 16, '78	May 11, '78	
558	Mary V. Newton,	Inf.	Worcester,	Apr. 10, '78	May 11, '78	
559	Frank Cullion,	68	Ireland,	Apr. 16, '78	May 1, '78	Deceased.
560	James Cullion,	27	Worcester,	Apr. 22, '78	May 17, '78	Deceased.
561	Adeline M. Young,	51	Worcester,	Apr. 23, '78	Continues.	
562	Zoe Hale,	17	N. Carolina,	Apr. 26, '78	May 11, '77	
563	Josephine Cornell,	10	Worcester,	May 1, '78	Aug. 17, '78	
565	Bridget Gleason,	—	Ireland,	May 6, '78	July 15, '78	
566	Timothy Gleason,	10	Worcester,	May 6, '78	Continues.	
567	John Gleason,	8	Worcester,	May 6, '78	Aug. 13, '78	
568	Florence Gleason,	5	Worcester,	May 6, '78	Continues.	
569	Henry Gleason,	2	Worcester,	May 6, '78	July 15, '78	
570	Mary Gleason,	2	Worcester,	May 6, '78	June 28, '78	Deceased.
571	Eliza King,	69	Ireland,	May 8, '78	Continues.	
572	Emma H. Taylor,	42	Orange,	May 25, '78	Continues.	
573	Timothy Reagan,	55	Ireland,	June 4, '78	Continues.	
574	Michael Coffee, 2nd.	31	Ireland,	June 13, '78	Oct. 1, '78	
575	Hannah Flanley,	42	Ireland,	June 13, '78	June 16, '78	
576	Frank Flanley,	11	Worcester,	June 13, '78	June 17, '78	
577	Mary Flanley,	9	Worcester,	June 13, '78	June 17, '78	
578	Bridget Kaniry,	31	Ireland,	June 14, '78	Continues.	
579	Thomas Kaniry,	10	Worcester,	June 14, '78	Continues.	
580	Margaret Welch,	—	Unknown,	June 20, '78	Continues.	
581	Louisa Hood,	—	Unknown,	July 1, '78	Continues.	
582	Lyman W. Hood,	5	Unknown,	July 1, '78	Nov. 9, '78	
583	Michael Kelley,	42	So. Boston,	July 8, '78	Aug. 2, '78	
584	Johanna Kelley,	31	Springfield,	July 8, '78	Aug. 2, '78	
585	Michael Kelley, 2nd.	12	Worcester,	July 8, '78	Aug. 2, '78	
586	Thomas Kelley,	10	Worcester,	July 8, '78	Aug. 2, '78	
587	Margaret Kelley,	8	Worcester,	July 8, '78	Aug. 2, '78	

List of Paupers.—*Continued.*

Registered Pauper No.	NAMES.	AGE.	PLACE OF BIRTH.	PERIOD OF SUPPORT.		REMARKS.
				Began.	Ended.	
588	James Kelley,	6	Worcester,	July 8, '78	Aug. 2, '78	Deceased.
589	Mary A. Kelley,	3	Sutton,	July 8, '78	Aug. 2, '88	
590	Frances Murphy,	74	Ireland,	July 8, '78	Continues.	
591	Edward Deady,	45	Ireland,	July 27, '78	Continues.	
592	Michael Hayes,	48	Ireland,	July 27, '78	Continues.	
593	Wm. A. Howland,	75	Penn.	Aug. 12, '78	Sept. 6, '78	
594	Mary Ladeaux,	28	Canada,	Aug. 28, '78	Sept. 29, '78	
595	Abbie Ladeaux,	9	Wendall,	Aug. 28, '78	Sept. 27, '78	
596	George W. Stebbins,	17	Worcester,	Aug. 28, '78	Continues.	
597	George Stanley,	42	Natick,	Sept. 11, '78	Continues.	
598	James Belden,	65	Northfield,	Sept. 17, '78	Continues.	Deceased.
599	Rebecca Lingley,	59	Nova Scotia,	Sept. 19, '78	Sept. 23, '78	
600	John Murphy,	75	Ireland,	Sept. 27, '78	Continues.	
601	Thomas McCann,	64	Ireland,	Oct. 25, '78	Continues.	
602	James Lynch,	45	Ireland,	Oct. 30, '78	Continues.	
602	William Maple,	—	Unknown,	Nov. 6, '78	Continues.	
604	Peter McGirl,	67	Ireland,	Nov. 25, '78	Continues.	
605	James Belden,	65	Northfield,	Nov. 26, '78	Continues.	
606	Mary Underwood,	18	Worcester,	Nov. 27, '78	Continues.	
607	Ansel W. Underwood	Inf.	Worcester,	Nov. 27, '78	Continues.	
608	Patrick Hurley,	49	Ireland,	Nov. 30, '78	Continues.	



## CITY ALMSHOUSE DEPARTMENT.

	No. of Paupers.	Amount of Expenditures.	Receipts above Expenditures.	Amount of Receipts.	Net Cost.
1877.					
December. ....	66	\$1,087 19	....	.....	\$1,087 19
1878.					
January.....	68	949 31	.....	\$48 05	901 26
February.....	68	761 24	.....	.....	761 24
March.....	74	865 72	.....	....	865 72
April.....	77	611 15	.....	6 13	605 02
May.....	79	890 98	\$473 35	1,364 33	.....
June.....	69	901 29	.....	8 86	892 43
July.....	76	1,081 85	.....	512 17	569 68
August.....	77	932 33	.....	239 62	693 71
September.....	70	947 40	.....	29 80	917 60
October.....	55	1,416 33	.....	603 37	812 76
November.....	53	1,678 66	....	340 45	1,338 21
		\$12,124 45	\$473 35	\$3,152 98	\$9,444 82

Appropriation,	.	.	.	.	.	.	.	\$9,000 00
Revenue,	.	.	.	.	.	.	.	3,152 98
Total,	.	.	.	.	.	.	.	\$12,152 98
Expenditures,	.	.	.	.	.	.	.	12,124 45
Unexpended balance,	.	.	.	.	.	.	.	\$28 53

This account includes the salary of the Superintendent, and all hired labor at the almshouse and farm.



## CITY SCAVENGER DEPARTMENT.

In accordance with our suggestion a year since, that, in order to obtain a clearer understanding in reference to the cost of the swine department at the City Farm, a separate appropriation be made for the same, instead of having it included in the sum provided for maintenance of the Almshouse, the sum of two thousand dollars was set apart for that purpose, which appropriation, although much less than the expense of the preceding year, it was thought that with the improved management already introduced, would be sufficient.

Although we had then done better than formerly, we stated that we hoped another year to make further improvement. As the auditor's accounts show but \$1,144.79 of the \$2,000.00, spent against the sum of \$2,452.19 which was the cost in 1877, and \$5,334.19 in 1876, no one can say that considerable progress has not been made in the direction of economy; and we firmly believe that should the city ordinance in reference to the carrying of offal through the streets be strictly enforced, as has been recommended by this Board, this division of our department would have been entirely self-sustaining.



## TRUANT SCHOOL DEPARTMENT.

As we have heretofore given all the particulars in reference to the Truant School, we now refer to this division of our charge as Overseers of the Poor, but only to show the regular monthly statements of its condition and costs during the year as they have come before the Board, and are contained in the annexed table. For a full history, record, and description of the same, from its inception to the present time, and for the views of the sub-committee of the Board who have the particular charge and management of it, and who are thoroughly conversant with all its workings, we refer you to their special report which accompanies this, and is cordially endorsed by the entire Board.

## TRUANT SCHOOL DEPARTMENT.

Monthly Account.	Number of Pupils.	Cost of Board.	Clothing and other Expenses.	Teaching and Supervision.
1877.				
December.....	8	\$88 56	\$8 50	\$21 18
1878.				
January.....	7	83 21	18 87	21 00
February.....	6	70 00	5 00	21 18
March.....	6	71 78	9 50	21 00
April.....	7	71 78	14 00	21 00
May.....	6	75 00	13 00	21 00
June.....	7	77 47	11 00	21 00
July.....	6	77 47	.....	21 00
August.....	6	77 49	.....	21 00
September.....	9	84 54	... ..	21 00
October.....	10	87 50	11 20	21 00
November.....	7	85 68	8 25	21 00
		\$950 48	\$99 32	\$252 18

Appropriation,	\$1,800 00
Cost of Board,	950 48
Clothing and other expenses,	99 32
Teaching and Supervision,	252 18
Total Expenditures,	\$1,301 98
Unexpended balance,	498 02
Average number of pupils,	7
Average cost per capita,	\$186 00

The Physician chosen by the City Council at the commencement of the year, having failed to qualify, Dr. D. W. Niles was afterward chosen, and, we believe, has conscientiously endeavored to discharge the duties of his office faithfully, and as they are mostly connected with the Pauper Department, they have come largely under our observation. In our official relations, he has been uniformly courteous and gentlemanly. He has had a large amount of labor to perform and received the thanks of his many patients.

A report in detail from him is attached to this, to which you are respectfully referred.

GEORGE W. GALE,

*Clerk.*

CHARLES B. PRATT,  
W. ANSEL WASHBURN,  
ALBERT P. MARBLE,  
GEORGE W. GALE,  
JAMES DRAPER,  
CALVIN L. HARTSHORN,  
CHARLES BELCHER,  
CHARLES F. RUGG,  
WALTER HENRY,

*Overseers of the Poor of the City of Worcester.*

# REPORT

OF THE.

## Committee on 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 November 30, 1878:

This school was established in the year 1863, in accordance with a State law which requires Cities and towns to make all needful provisions for the instruction of habitual truants. It is kept at the City Almshouse, where convenient quarters are provided for the teacher and the pupils; for the latter, a play-room, bath-room and water-closet in the basement, and a dormitory and school-room on the first floor of the west wing, all well lighted and heated by a furnace; these rooms are all made secure by strong doors and grated windows; and for the teacher an airy and comfortable room in the same wing, all separated from the pauper department by a solid brick wall with iron doors. Board is provided for both teacher and pupils; and a suit of clothes, for each boy upon entrance at the school, which he is allowed to retain when he is discharged at the end of his sentence. Books and school furniture are supplied, and a library of miscellaneous reading. The pupils are required to sweep and take care of their rooms, make their own beds, and to bathe regularly. All this they do under the supervision of their teacher. Careful attention is given to their deportment; and each boy understands that his sentence may be shortened by



orderly conduct and studious habits. They are thus stimulated to well-doing from the first. The constant influence of a refined and cultivated lady, who devotes her whole attention to the school, is directed to the reform of the vicious habits of these wayward boys. They may be visited by their parents or friends once a month, on application to the Clerk of the Overseers of the Poor, at his office in the City Hall, on any Wednesday afternoon, and in so far as they prove to be trusty, they are allowed work, out of school hours about the farm, in the stables and in the house. For whatever labor they perform the school is credited.

The school is under the control of the Overseers of the Poor, and in special charge of the Committee who took the place of the Truant Commissioners by a change of the law in the year 1863. The Superintendent of the Almshouse exercises daily supervision of the school. Refractory boys are punished by the rod when moral means fail; and any one of them who persists in any outrageous course of conduct—which seldom happens—is given opportunity for reflection for a longer or shorter period, not exceeding a few hours, in a dark room.

The younger children of the inmates of the Almshouse, who, be it observed, bear the image of God like other children, are also taught in this school. The number of pupils is thus doubled; and the interest in study is thereby increased.

No truant is sent here till all other means of reformation have failed: the influence of his teacher; parental authority, in so far as it exists and can be exerted; the admonitions of the truant officers, kindly, and often repeated; and the solemn warnings, many times, of the school authorities. The school at length becomes a last resort to keep boys from entering upon a positive course of crime, and the reform school, or the jail.

It is believed that in the great majority of cases, boys who have served a term of from six months to two years, the limits of the sentences imposed by the court, have returned to school and become punctual and diligent scholars. Cases can be pointed out of boys who had been bent on mischief before their stay at this school, and who on returning to the common schools have become almost models of excellence. In a very few

instances boys have been sent a second time. These pupils, and in fact nearly all truants, become such because they have either no parental care, or worse than none. It therefore becomes an act of benevolence, as well as a necessity, to restrain these incipient criminals and keep them from entering upon graver courses of crime, for the protection of society.

The whole number of truants — pupils — connected with the school for the year, is . . . . .	18
Number at the beginning of the year, . . . . .	8
Number at the end of the year, . . . . .	7
Average number belonging, . . . . .	7

#### COST.

Amount appropriated by City Council, . . . . .	\$1,800 00
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#### EXPENDITURES.

For board, teacher and pupils, . . . . .	\$950 48
Clothing and miscellaneous, . . . . .	99 32
Teaching and supervision, . . . . .	\$252 18
Total, . . . . .	\$1,301 98
Balance unexpended, . . . . .	498 02
Average cost per pupil, . . . . .	186 00

Though the whole amount appropriated last year has not been used upon the school, we respectfully recommend the same appropriation for the coming year, because it is impossible to predict how many truants it may be necessary to provide for; and because no more than is actually necessary will be used, thus leaving the balance for other necessary purposes.

The cost per pupil, above, seems very large; and the question has been raised whether it pays to support this school, and whether it is necessary. In this question your Committee are not more interested than every good citizen; they hold themselves responsible for its administration only, not for its creation. For a more complete understanding of the subject, however, we suggest the following:

FIRST, Whether the price is too great where a good boy is made of one who would otherwise become a criminal — and an expensive kind of criminal; for these boys are not by any means fools, whatever else they are.

SECOND, This average cost might be very much reduced if it were the policy to send truants hither as soon as possible; for after the school is once organized, the more pupils, the less average cost, since the same rooms, teacher, and fuel, will answer for many as for few. The aggregate cost, however, would be greater; and the opposite policy has been followed of sending as few as possible.

THIRD, The value of this school is not wholly nor chiefly confined to the pupils who attend. Every month the truant officers bring back to school from 150 to 200 truants. Each one of these sees before him the strict confinement and discipline of this school, and stops after taking a few steps, more or less. Only the most persistent reach the school. It is therefore even more useful in that which it prevents, than in what it does.

FOURTH, Cities and towns destitute of provisions for truants, find the necessity for such provision imminent. Having this school, we do not experience the necessity for it; but that necessity must have appeared when the school was created, and doubtless would again appear if the school were to be abolished.

We invite for this institution careful scrutiny of its merits and defects, if any, and of its influence and usefulness both direct and remote. We do this with confidence in the wisdom that established the school, despite the animadversions of any youthful, zealot, more anxious to make an exhibition of prowess by doing something, than wise to do anything well, or of any pseudo-economist, bent on cutting down cost regardless of consequences.

All which is most respectfully submitted.

A. P. MARBLE, *Superintendent of Schools.*

W. ANSEL WASHBURN, *City Marshal.*

C. L. HARTSHORN, *Chairman on the Farm.*

COMMITTEE ON THE TRUANT SCHOOL.

WORCESTER, Jan. 3, 1879.

# ANNUAL REPORT

## OF THE

# CITY PHYSICIAN.

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*To the Honorable City Council :*

IN conformity to the requirements of the City Ordinance, Chap. XXXIV., Sect. 1., the City Physician respectfully submits the following report of professional services rendered by him from March 5, 1878, to Nov. 30, 1878, inclusive :—

Whole number of visits and consultations, . . . . .	849
Office consultations, not including those relating to the business of the Board of Health, . . . . .	60
Visits at the homes of the patients, . . . . .	580
Visits at the Police Station, . . . . .	20
Visits at the City Farm, . . . . .	39
Consultations at City Farm, . . . . .	140
Cases of Labor at Full Term, . . . . .	7
Cases of Premature Labor, . . . . .	3
Vaccinated for admission to Public Schools, . . . . .	297
Certificates given to them and to several hundred others, . . . . .	
Committed to Worcester Lunatic Hospital, . . . . .	5

The following deaths have occurred during my term of service :—

March 12, 1878,	Clark Goulding,	age 58 years,	Phthisis.
March 23, "	Patrick Flynn,	" 45 "	Phthisis.
March 29, "	Winnefried Gaffey,	" 64 "	Epilepsy.
April 2, "	Mary A. Comaford,	" 23 "	Phthisis.
May 12, "	Wm. O'Connor,	" 35 "	Heart Disease.
May 17, "	James Cullen,	" 28 "	Acute Tuberculosis.
May 22, "	Catharine Matthews,	" 18 "	Phthisis.
May 25, "	Bridget O'Driscoll,	" 5 "	Encephalitis.
June 10, "	John Sherman,	" 20 "	Phthisis.
June 16, "	Hannah Flanley,	" 40 "	Bright's Disease.
June 17, "	Ellen O'Connor,	" 45 "	Phthisis.
June 28, "	Mary Gleason,	" 2 "	Hydrocephalus.
July 23, "	John Goodwin,	" 82 "	Vesical Calculus.
Aug. 2, "	M. A. McCulloch,	" 3 mos.	Innutrition.
Aug. 14, "	Wm. Regan,	" 45 years,	Phthisis.
Sept. 6, "	Wm. A. Howland,	" 75 "	Paralysis.
Sept. 23, "	Rebecca Langley,	" 59 "	Dropsy.
Sept. 28, "	Amanda P. Smith,	" 74 "	Serous Apoplexy.

On April 3, the City Physician became a member of the Board of Health, *ex-officio*, and, in addition to his other duties, has acted in that capacity. During the Spring and Summer months his duties, as a member of that Board, have been numerous and various, and, at times, arduous. The work of organizing a new branch of public service, in accordance with the Law of 1877, the attention given to the hearing and receiving of complaints, to answering enquiries relative to the business daily brought before the Board, and the visits made necessary in consequence to various localities within the city limits, has consumed much time and involved a large amount of labor.

In the month of August last, Typhoid Fever prevailed quite extensively in the localities known as "the Adriatics" on Southgate street and near tenements, caused by gross neglect of the most obvious sanitary laws. The neighborhood was in a very filthy state, and all the conditions were present for the development of any one of the so-called "filth diseases," which are the inevitable consequence of neglected privies, defective sewerage, and imperfect drainage. There were eight cases of Typhoid Fever, one of which died before my attention was called to the subject. By permission of Dr. J. Bartlett Rich, Superintendent of the City Hospital, I immediately removed those there who were able to be moved, where they were provided for until con-



valescent. There were from twenty-five to thirty families in the neighborhood whom I visited with a view to prevention of the spread of the disease, and of whom I kept constant watch till all danger of infection seemed to be over. To the prompt and efficient measures taken by the Board of Health we are chiefly indebted that the disease spread no further. For details of these measures I refer to their report.

As City Physician, my experience has convinced me, that a large class of diseases among the poor are preventable by proper hygienic surroundings, and, although it may sometimes be difficult, and perhaps, impracticable, to enforce all the regulations that are desirable for that object, it is not difficult to see that there are some simple rules of cleanliness and of hygiene which should be made obligatory by stringent law. As long as these laws of health are neglected their treatment at their homes will often be nugatory, expensive to the city, and the results obtained inadequate and unsatisfactory to the conscientious physician.

Some of the chief difficulties in treating disease of the poor is, the existence among them of the poisonous exhalations from damp cellars and sink drains, and the still more poisonous and deadly influence of overflowing, neglected privies in close proximity. These are preventable conditions; and, until they are remedied, epidemic diseases will be rife, endangering their lives and putting in jeopardy the health of the whole community. That these statements are in accordance with the views and opinions of the most recent and able medical authority, we quote, in conclusion, from a late writer on Preventive Medicine:—

“It is most important to notice that epidemics are usually under human control, both as regards their prevention, and making less severe by attention to proper hygiene and other measures. Some epidemic diseases have been entirely eradicated from countries and cities where formerly they were exceedingly rife; and, by well directed efforts, there are no reasons why many others should not be completely extirpated.”

There can be no doubt but that the experience of all medical men has long pointed in this direction, and I feel quite sure that the prompt and efficient action of our Board of Health this



year has prevented the spread of disease in many infected districts, and contributed largely to the general health and welfare of our fellow-citizens.

I return my most cordial and heartfelt thanks for the uniform courtesy and kindness with which I have been treated by all in official relation with me. Especially to Mr. Geo. W. Gale, and Mr. and Mrs. Parkhurst of the Poor Farm. Also, to Dr. J. Bartlett Rich, the able and worthy Superintendent of the City Hospital, for his ready co-operation at all times in providing for the wants of the poor, temporarily, in the wards of the Hospital.

All of which is respectfully submitted,

D. WATERHOUSE NILES.

*City Physician.*

# REPORT

OF THE

# CITY SOLICITOR.

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*To the Honorable City Council of the City of Worcester :*

The undersigned would respectfully submit the following as his report for the year ending January 1, 1879:—

Several important cases and claims against the City have been disposed of during the year. Geo. H. Dutton vs. City, for damages by reason of defect in Highland street, resulted in a verdict of the jury of \$1,600, which has been paid.

John L. Clark vs. City of Worcester, a suit for damages caused by the location of the Mill Brook sewer, the Supreme Court sent a rescript upon which a judgment was entered for the defendant. Several cases for damages for the breaking of the Lynde Brook dam have been settled, among which was the suits of Nichols, Dupee & Co., and Lovell Baker. These suits were referred to arbitrators, whose award the City were to pay two-thirds of. These cases were tried before the arbitrators, and the award was very large, the grounds for which, neither myself nor the Committee having charge of the matter, were able to account for. But after consultation by the Committee, it was deemed advisable to pay these sums, and they have been paid. The case of Ashworth & Jones has been settled during the year and in a manner satisfactory to the City, and the same may be said of all the other Lynde Brook damage cases settled, and in no case has more than two-thirds of the damages, as

agreed upon between the parties, been paid. But four claims of this character now remain to be settled, and it is hoped they will be adjusted during the coming year.

There are now pending in Superior Court for the County, twenty-four cases, in which the City are either plaintiff or defendant, in the Supreme Judicial Court six cases, two before the County Commissioners, and one in the Superior Court for the County of Middlesex. Several cases have been tried by me during the year against the police, Highway Commissioners and City Hospital and City, and with results generally satisfactory to the City or its officers.

Respectfully submitted.

F. T. BLACKMER,

*City Solicitor.*

# R E P O R T

OF THE

## BOARD OF HEALTH.

---

*To the Honorable Mayor and City Council :*

IN pursuance of and in compliance with the requirements of Sec. 4, of Chapter 133, of the Acts of the year 1877, and of the City Ordinance on Health, the undersigned Board of Health appointed under said Act, herewith submit their report of the doings of the Board from the time of their appointment until the first of January, 1879.

The first meeting of the Board was held on Wednesday, the third day of April 1878, and organized by the choice of Thomas Harrington, Chairman, and Daniel W. Niles, Clerk.

As soon as the Board was organized, verbal and written complaints were received from individuals residing in various parts of the city, of nuisances existing in their immediate locality, and some of them of long standing, and to the present time they have received more than two hundred and fifty such complaints, besides a large number of cases discovered by the Board, which were satisfactorily adjusted without any formal complaint being made. Of the complaints made, a large portion of the nuisances were abated by the owner or agent of the premises

named in the complaint, simply by having their attention called to the subject, while a legal notice had to be served upon others before they would take any measures to have the nuisance abated; in a few cases the Board were obliged to have the cause of the nuisance removed at the expense of the owner of the estate upon which it was suffered to exist.

When complaints have been made to the Board, they have in nearly every instance visited the locality named in the complaint, and in many cases several times, to see that their orders were strictly complied with and the nuisances properly and effectually abated.

The experience of the Board the past year has been such as to show the necessity of much more being done to improve the sewerage and drainage in certain localities, also by filling low places where water accumulates and stands until it is stagnant, and thereby becomes dangerous to the health of those residing in its immediate vicinity. This can be done with very little, if any expense to the city, and the sanitary condition of those localities much improved.

The Board find one of the greatest sources of filth to be in the keeping of swine in thickly settled portions of the city. This they cannot too strongly condemn. Another source of filth is in permitting the drainage of sinks to flow into the streets, thus causing a nuisance in the public and private ways of the city, which should in no case be longer tolerated.

The attention of the Board was called to a certain locality in the city, where Typhoid Fever had made its appearance, causing quite an alarm in the neighborhood; the Board attended to the matter at once and found eleven cases of the disease; by prompt sanitary measures there were no new cases, and nearly all that had the disease recovered.

The sanitary condition of the city has been much improved in certain localities by the action of the Board in causing numerous sources of filth and causes of sickness to be removed therefrom, the death rate being thereby reduced in those sections below what it has been for a number of years past.

The Board find quite a number of poor and destitute families

occupying basements and cellars that are wholly unfit for habitation, being damp and in a filthy condition, causing sickness to the occupants and necessitating their calling upon the city for assistance and support.

All of which is respectfully submitted,

THOMAS HARRINGTON,  
DANIEL W. NILES, *City Physician*.  
FRANCIS C. BIGELOW.

WORCESTER, January 1st, 1879.



COMMISSIONERS  
OF  
HOPE CEMETERY,  
FOR THE YEAR 1879.

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ALBERT CURTIS, . . . .	Term expires	1880.
ALBERT TOLMAN, . . . .	" "	1881.
WILLIAM BUSH, . . . .	" "	1882.
THOMAS M. ROGERS, . . . .	" "	1883.
STEPHEN SALISBURY, JR., . .	" "	1884.

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ORGANIZATION FOR THE YEAR 1879.

*Chairman.*—ALBERT TOLMAN.

*Secretary.*—STEPHEN SALISBURY, JR.

*Superintendent.*—ALBERT CURTIS.

*Assistant Superintendent.*—WILLIAM BUSH.

THE TWENTY-FIFTH ANNUAL REPORT  
OF THE  
Commissioners of Hope Cemetery  
FOR THE YEAR 1878.

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*To His Honor the Mayor, the Aldermen, and the Common  
Council of the City of Worcester.*

THE necessary work of repairing drive-ways, paths, raking over and clearing all the ground devoted to burial purposes, was begun when Spring opened and thoroughly performed.

Grading and clearing waste places, not requiring much work was done.

Prospect Hill, whose summit was surrounded by Myrtle Avenue, and is bounded by Glen Avenue on the south and by Locust and River Avenues on the West and north-west, could not be used for burials without reducing its height. It has been taken down about twenty feet from the apex and the earth removed, now fills rough places that surrounded the elevation. Clearing off the wood and grading was the heavy job of the year.

The results are, about three acres of land available for lots prepared in time to meet the demand for them.

2d. The preservation of Prospect Hill, so that nothing has been taken from its beauty or value, as the place from which to view the surrounding Cemetery grounds and more distant landscape.

We cleared and graded a plot of ground bounded by Pine Avenue on the north, and by the south line of the Cemetery, to be used for removals from Mechanic street Burial Ground.

We have begun the setting of stone curbing on driveways. Over 360 feet in length have been put into Pine Avenue at a place most exposed to washing by heavy rains.

We have graded lots for individual proprietors. For this work we have received the sum of \$1,262.99.

This work increases the cares of the Commissioners, and responsibilities of the Foreman, from the necessity of employing and superintending more workmen.

The results are, a more uniform system of grading lots, improvement of the general appearance of the Cemetery, convenience and economy for the proprietors.

The number of lots sold in the year 1878,			
was	61 for	.	\$2,156 00
Previous to 1878,	1,837 for	.	35,841 00
<hr/>			
Whole number,	1,898 for	.	\$37,997 00

In addition to land taken for removals from Mechanic Street, enough to make fifteen or more lots of the usual size has been taken for free burials.

Annexed to this report as a part of it, is a valuation of property, and a statement in detail of receipts and expenditures.

In closing we may be allowed to say, the duties of all of the Commissioners increase as occupied ground extends.

Mr. Barton, the City Treasurer, and his assistants have given us their generous aid,

We will not forget the Hon. Henry Chapin, who was taken from us at the end of ten years membership. Our indoor meetings were held in his office. They were always harmonious. No *act* of the Board has ever been done without the full approval of all its members. The meetings led to mutual esteem and personal friendship. Our citizens will appreciate ten years faithful service; his memory will be blessed.

Respectfully submitted,

ALBERT TOLMAN,  
ALBERT CURTIS,  
WILLIAM BUSH,  
STEPHEN SALISBURY, JR.,

*Commissioners of Hope Cemetery.*

# SECRETARY'S REPORT.

## VALUATION OF PROPERTY,

DECEMBER 1, 1878.

Barn and Tool-house,	\$800 00
Horse,	125 00
Harness,	20 00
Cart,	40 00
Barrows and assorted lot of Tools,	140 00
	<hr/>
	\$1,125 00

## RECEIPTS AND PAYMENTS.

Report of Receipts and Payments for Hope Cemetery, in the year ending November 30, 1878.

### RECEIPTS.

1877.

December 1.	Cash on deposit,	\$1,167 48
" 1.	Savings Bank deposits,	3,792 18
" 1.	Cash in hands of Superintendent,	191 50
		<hr/>
		\$5,151 16

1878.

November 30.	Cash proceeds of 61 lots sold,	\$2,156 00
" 30.	" Dividends from Savings Banks,	168 46
" 30.	" Dividend on account, lot 15,	4 00
" 30.	" Dividend on account, lot 693,	6 45
" 30.	" Interest on Bank deposits,	41 16
" 30.	" Sale of wood and timber,	239 02
" 30.	" Sale of stone posts,	84 00
" 30.	" Grading and labor,	1,262 99
		<hr/>
		\$3,962 08
		<hr/>
		\$9,113 24

### PAYMENTS.

1877.

December 4.	Paid labor on grounds,	\$152 06
" 22.	Geo. Sessions,	15 00
" 26.	Curtis & Marble, boxes, etc.,	38 05

1878.		PAYMENTS.—Continued.	
January	2.	Labor on grounds, . . . . .	124 57
February	2.	Labor on grounds, . . . . .	112 05
March	2.	Labor on grounds, . . . . .	61 78
April	1.	Labor on grounds, . . . . .	114 83
May	1.	Stationery, . . . . .	40
May	3.	Labor on grounds, . . . . .	181 12
May	11.	For printing Report, . . . . .	19 95
May	13.	Rice, Barton & Fales, . . . . .	53 10
June	3.	Labor on grounds, . . . . .	295 77
June	7.	J. E. Worcester, jr., . . . . .	2 50
June	17.	Mann & Gosling, . . . . .	67 50
June	22.	James Witmath, . . . . .	3 70
June	27.	C. Foster & Co., . . . . .	8 50
July	3.	Labor on grounds, . . . . .	301 74
August	2.	Labor on grounds, . . . . .	320 19
August	2.	Alfred Mallett, . . . . .	15 15
August	9.	E. McCarty, . . . . .	4 50
August	19.	Worcester Water Works, . . . . .	90 23
August	19.	Kinnicutt & Co., . . . . .	7 00
September	4.	Labor on grounds, . . . . .	315 18
September	4.	E. S. Warren, . . . . .	12 00
September	7.	City Engineer, . . . . .	22 52
September	7.	Thomas Brosnihan, . . . . .	41 60
September	27.	Freight B. B. & G. R. R., . . . . .	20 00
September	30.	E. J. Worcester & Co., . . . . .	2 00
October	4.	James Walmarth, . . . . .	6 25
October	3.	Labor on grounds, . . . . .	294 85
October	4.	H. G. Roche, . . . . .	51 00
October	23.	For repairing harness, . . . . .	6 35
October	21.	For manure, . . . . .	28 00
Nov.	2.	Labor on grounds, . . . . .	326 44
Nov.	4.	City water to June 1st, 1879, . . . . .	30 00
Nov.	27.	J. & J. A. Rice, . . . . .	71 40
Nov.	27.	J. W. Jordan, . . . . .	11 95
Nov.	30.	E. McCarty, . . . . .	2 00
Nov.	30.	For stone and stone posts, . . . . .	202 80
Nov.	30.	Wor. Highway Department, . . . . .	22 50
Nov.	30.	For turf and turfing, . . . . .	115 20
Nov.	30.	Stockwell & Barrows, . . . . .	66 90
Nov.	30.	Horse shoeing, . . . . .	5 63
Nov.	30.	L. B. Stone, labor with team, . . . . .	237 62
Nov.	30.	Cash Deposits Wor. Safe Deposit and Trust Co., . . . . .	\$1,224 51
Nov.	30.	Deposits in Savings Banks, . . . . .	3,960 64
Nov.	30.	In hands of Superintendent, . . . . .	46 21
			<hr/>
			\$3,881 88
			<hr/>
			\$5,231 36
			<hr/>
			\$9,113 24

STEPHEN SALISBURY, JR.

*Secretary of Commissioners of Hope Cemetery.*



# A P P E N D I X .

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## GOVERNMENT AND OFFICERS

OF THE

CITY OF WORCESTER,

FOR 1879.

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MAYOR.

CHARLES B. PRATT.

ALDERMEN.

Ward 1.—\*SENECA M. RICHARDSON.

“ 2.—JOHN M. WILLIAMS.

“ 3.—\*GEORGE P. KENDRICK.

“ 4.—JOHN L. MURPHY.

“ 5.—\*STEPHEN SAWYER.

“ 6.—MOWRY A. LAPHAM.

“ 7.—\*FRANK H. KELLEY.

“ 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.*—GEORGE E. BOYDEN.*Clerk.*—S. HAMILTON COE.

Ward 1.—\*William S. Clark,  
George E Boyden,  
Francis P. Stowell.

Ward 5.—\*Patrick J. Quinn,  
William O'Connell,  
John R. Thayer.

Ward 2.—\*George A. Barnard,  
\*Samuel A. Porter,  
Oliver P. Shattuck.

Ward 6.—\*Loring Coes,  
\*Samuel Mawhinney,  
Ellery B. Crane.

Ward 3.—\*Andrew Athy,  
Paul Henry,  
James B. McMahon.

Ward 7.—\*Hiram Fobes,  
William H. Heywood,  
James A. Norcross.

Ward 4.—\*Francis Plunkett,  
\*John J. White,  
John J. O'Gorman.

Ward 8.—\*Thomas Talbot,  
\*Frederick W. Ward,  
Frank E. Lancaster.

## JOINT STANDING COMMITTEES FOR 1879.

*On Finance.*—The Mayor, Aldermen Williams and Sawyer; the President of the Council, and Councilmen Porter, O'Gorman, and Crane.

*On Accounts.*—Aldermen Marsh and Kelley; and Councilmen Clark, White and Ward.

*On Claims.*—The Mayor, Aldermen Marsh and Richardson; the President of the Council, and Councilmen Porter, Thayer and Shattuck.

*On Water.*—The Mayor, Aldermen Lapham and Kelley; the President of the Council, and Councilmen Heywood, Plunkett and Fobes.

*On Sewers.*—The Mayor, Aldermen Sawyer and Murphy; the President of the Council, and Councilmen Coes, O'Connell and O'Gorman.

*On Fire Department.*—Aldermen Lapham and Richardson; and Councilmen Porter, Plunkett and Ward.

*On Education.*—The Mayor, Aldermen Marsh and Kelley; the President of the Council, and Councilmen McMahon, Stowell and Quinn.

*On Printing.*—Aldermen Williams and Richardson; and Councilmen Athy, Mawhinney and White.

*On Lighting Streets.*—Aldermen Sawyer and Murphy ; and Councilmen Athy, Lancaster and Clark.

*On Highways.*—Aldermen Kendrick and Williams ; and Councilmen Heywood, Crane and Henry.

*On Sidewalks.*—Aldermen Williams and Kendrick ; and Councilmen Heywood, Crane and Henry.

*On Charities.*—Aldermen Murphy and Kelley ; and Councilmen O'Gorman, Norcross and Talbot.

*On Military Affairs.*—Aldermen Williams and Marsh ; and Councilmen Quinn, Barnard and Mawhinney.

*On Public Buildings.*—Aldermen Lapham and Kelley ; and Councilmen Norcross, Lancaster and Shattuck.

*On Mayor's Inaugural and Unfinished Business.*—Aldermen Sawyer and Marsh ; and Councilmen Thayer, Stowell and McMahon.

#### STANDING COMMITTEES OF THE BOARD OF ALDERMEN.

*On Bills in Second Reading.*—Aldermen Marsh and Richardson.

*On Enrollment.*—Aldermen Lapham and Murphy.

*On Elections and Returns.*—Aldermen Murphy and Richardson.

#### STANDING COMMITTEES OF THE COMMON COUNCIL.

*On Bills in Second Reading.*—Councilmen O'Connell, Talbot and Athy.

*On Enrollment.*—Councilmen Fobes, Barnard and White.

*On Elections and Returns.*—Councilmen Barnard, Talbot and Coes.

#### 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.

## APPENDIX.

## AUDITOR.

HENRY GRIFFIN,

Office, No. 7 City Hall ; Residence, Hotel Pleasant.

## ASSESSORS.

William L. Clark, *Chairman*.L. A. Ely, *Secretary*.

Josiah P. Houghton, 3 years.

L. A. Ely, 2 years.

William L. Clark, 1 year.

Office, No. 12 City Hall.

## ASSISTANT ASSESSORS.

Ward 1.—I. N. Metcalf,

Ward 5.—George C. Reidy,

“ 2.—Samuel E. Staples,

“ 6.—Asaph R. Marshall,

“ 3.—Marcus D. Cronin,

“ 7.—Charles E. Brooks,

“ 4.—Patrick McCarty,

“ 8.—Alexander Marsh.

## 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.

DAVID F. PARKER. Office, No. 3 City Hall,

Residence 65 Chatham 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*.  
Lyman A. Ely.

## COMMISSIONERS OF HOPE CEMETERY.

Albert Tolman, *Chairman*. Stephen Salisbury, Jr., *Secretary*.  
Albert Curtis, *Superintendent*.  
Stephen Salisbury, Jr., 5 years. Thomas M. Rogers, 4 years.  
William Bush, 3 years. Albert Tolman, 2 years.  
Albert Curtis, 1 year.

## COMMISSIONERS OF SHADE TREES AND PUBLIC GROUNDS.

Edward Winslow Lincoln, *Chairman and Secretary*.

Edward Winslow Lincoln, 3 years. Stephen Salisbury, Jr., 2 years.  
O. B. Hadwen, 1 year.

## COMMISSIONERS OF SINKING FUND.

D. Waldo Lincoln, *Chairman*. Samuel Woodward, *Secretary*.  
Wm. S. Barton, *Treasurer*.  
D. Waldo Lincoln, 3 years. Samuel Woodward, 2 years.  
Edward L. Davis, 1 year.

COMMISSIONERS OF THE JAUQUES FUND AND OTHER FUNDS OF THE  
CITY HOSPITAL.

F. H. Kelley, *Chairman and Secretary*. Wm. S. Barton, *Treasurer*.  
F. H. Kelley, 3 years. Benjamin Walker, 2 years.  
Albert Curtis, 1 year.

## DIRECTORS OF THE FREE PUBLIC LIBRARY.

Peter C. Bacon, <i>President</i> .	Nathaniel Paine, <i>Sec'y and Treas.</i>
Thomas J. Conaty, } 6 years.	Nathaniel Paine, } 3 years.
Wm. Dickinson, }	J. Evarts Greene, }
Francis A. Gaskill, } 5 years.	Peter C. Bacon, }
Samuel D. Harding, }	Edward H. Hall, }
Wm. R. Huntington, } 4 years.	Geo. E. Francis, }
William Cross, }	Emerson Warner, }
Samuel S. Green, <i>Librarian</i> .	

## BOARD OF HEALTH.

Thomas Harrington, *Chairman*. Rufus Woodward, *Clerk*.  
 Rufus Woodward, 3 years. Thomas Harrington, 2 years.  
 Frank C. Bigelow, 1 year.

## SCHOOL COMMITTEE.

CHARLES B. PRATT, *ex-officio*, *President*.

A. P. MARBLE, *Superintendent and Secretary*. Office, No. 464  
 Main Street.

Members whose term expires January, 1882.	Members whose term expires January, 1881.	Members whose term expires January, 1880.
Edward H. Hall,	Caleb B. Metcalf,	Thomas J. Hastings,
Charles M. Lamson,	Anne B. Rogers,	Sarah B. Earle,
James P. Tuite,	Timothy H. Murphy,	James P. Kelley,
John B. Cosgrove,	Jeremiah Murphy,	Thomas J. Conaty,
John Timon,	Samuel W. Dougherty,	Richard O'Flynn,
Alzirus Brown,	Francis P. Goulding,	Franklin B. White,
Joseph M. Bassett,	Edwin T. Marble,	Thomas E. St. John,
George Swan.	Rufus Woodward.	E. B. Stoddard.

## CENTRAL DISTRICT COURT.

HARTLEY WILLIAMS, *Chief Justice*.

SAMUEL UTLEY,  
 GEORGE M. WOODWARD, } *Associate Justices*.

THEODORE S. JOHNSON, *Clerk*.

WILLIAM COE, *Assistant Clerk*.

## TRUANT COMMISSIONERS.

CHARLES B. PRATT, *Mayor*.

A. P. MARBLE, *Superintendent of Schools*.

W. ANSEL WASHBURN, *City Marshal*.

HENRY E. FAYERWEATHER.  
 WILLIAM HICKEY, } *Truant Officers*.

## CITY MARSHAL.

W. ANSEL WASHBURN. Office, City Hall. Residence,  
 7 Charlton Street.



## ASSISTANT MARSHALS.

E. D. McFARLAND. Office, City Hall ; Residence, 117 Thomas Street.

JOHN W. HADLEY. Office, City Hall ; Residence, 152 Chandler Street.

AMOS ATKINSON, Captain of Night Police.

## DETECTIVE.

EZRA CHURCHILL.

## ROUNDSMAN.

DAVID A. MATTHEWS.

## SPECIAL OFFICER TO ENFORCE THE LIQUOR LICENSE LAW.

PATRICK O'DAY.

## PATROLMEN.

Barker, Charles W.	Hubbard, Martin J.
Barker, George V.	Keefe, Dennis
Benchley, C. H.	Keyes, Warren C.
Bliss, George S.	Lamb, Matthew B.
Bonn, Albert N.	Maloney, James M.
Carroll, Patrick H.	March, Addison
Colby, Reuben M.	Martin, Austin
Chandley, George B.	McCarthy, Daniel
Deady, Michael	McNamara, Michael
Diggins, Patrick	Mecorney Henry H.
Drohan, Walter N.	Mooney, Nicholas J.
Fairbanks, Edson	Piper, William A.
Finneran, William	Ramsdell, C. A.
Flint, Jos. H.	Ranger, Sumner W.
Foster, Thomas R.	Sandner, Henry,
French, Cornelius	Thomas, Quincy A.
Garland, Charles A.	Tyler, Elliott
Gates, Jaalam	Walsh, Matthew J.
Goggin, David.	Willard, George A.
Green, Marshall S.	Williams, Daniel
Hagan, P. S.	Woodard, James

Harper, Louis

## CONSTABLES FOR CRIMINAL BUSINESS.

W. Ansel Washburn,	Amos Atkinson,
Edwin D. McFarland,	Emory Wilson,
John W. Hadley,	William E. Fayerweather,
Ezra Churchill,	William Hickey,
Patrick O'Day, jr.	

## CONSTABLES FOR CIVIL BUSINESS.

Edward J. Russell,	Charles N. Hair,
Theodore H. Bartlett,	Alpheus B. Dinsmore,
Charles Marvin,	Henry C. Rawson.

## TRUSTEES OF THE CITY HOSPITAL.

F. H. Kelley, <i>President</i> .	Stephen Salisbury, Jr., <i>Secretary</i> .
Henry A. Marsh, <i>Alderman</i> .	Albert Curtis, 4 years.
Loring Coes,	Joseph Sargent, 3 years,
John R. Thayer,	F. H. Kelley, 2 years.
Stephen Salisbury, Jr., 1 year,	

## OVERSEERS OF THE POOR.

CHARLES B. PRATT, Mayor,	} <i>ex-officio</i> Members.
A. P. MARBLE, Superintendent of Schools,	
W. ANSEL WASHBURN, City Marshal.	

Charles B. Pratt, <i>President</i> .	George W. Gale, <i>Clerk</i> .
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Calvin L. Hartshorn and James Draper, 3 years.

George W. Gale and Charles Belcher, 2 years.

Charles F. Rugg and Walter Henry, 1 year.

## CITY PHYSICIAN.

RUFUS WOODWARD.

Office, No. 52 Pearl Street.

## KEEPER OF ALMSHOUSE.

BENJAMIN F. PARKHURST.

## UNDERTAKERS.

George Sessions,	George G. Hildreth,
Waldo E. Sessions,	Andrew Athy,
John Fay,	Geo. E. Anthony,
Daniel W. Roberts.	

## PUBLIC WEIGHERS.

Wm. A. Barrows, *New Worcester*, Silas Penniman, *Lincoln Square*.  
 Samuel Houghton, *Salem Square*.  
 Edgar Ballard and Harry Ballard, *Quinsigamond*.

## 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*.

## SURVEYOR OF LUMBER.

Nahum R. Hapgood.

## 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, George E. Boyden. CLERK, Samuel Smith.  
INSPECTORS, S. Harry Knox, George S. Hamilton, George  
H. Estabrook.
- Ward 2.—WARDEN, F. E. Barker. CLERK, George W. Gale.  
INSPECTORS, N. Alexander, E. M. Barton, William H.  
Butterfield.
- Ward 3.—WARDEN, Lyman Brown. CLERK, John P. Fay.  
INSPECTORS, James O'Connor, Benjamin Zaeder, Maurice  
W. Nelligan.
- Ward 4.—WARDEN, William Myers. CLERK, Dominick Hart.  
INSPECTORS, Daniel J. Ward, James F. Fallon, John B.  
Whalen.
- Ward 5.—WARDEN, Richard O'Flynn. CLERK, John H. Riely.  
INSPECTORS, James C. Conlon, Thomas Gleason, Edward  
Labarge.
- Ward 6.—WARDEN, Geo. M. Woodward. CLERK, Wm. C. Young.  
INSPECTORS, John L. Day, Samuel C. Andrews, Lewis H.  
Torrey.
- Ward 7.—WARDEN, Edwin Ames. CLERK, Arthur E. Dennis.  
INSPECTORS, Daniel W. Knowlton, George E. Batchelder,  
Charles L. Gates.
- Ward 8.—WARDEN, Addison Palmer. CLERK, Woodbury C. Smith.  
INSPECTORS, Edward F. Biscoe, Frank W. Blacker, Frank  
E. Winslow.

## BOARD OF ENGINEERS.

Office, No. 80 Front Street.

SIMON E. COMBS, *Chief*.SAMUEL H. DAY, *Clerk*.

William Brophy,	} <i>Assistant Engineers.</i>	} Samuel H. Day,
John W. Loring,		

# SALARIES OF CITY OFFICERS.

1879.

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Mayor,	\$1,500
City Clerk,	1,500
City Treasurer and Collector,	2,300
City Engineer,	1,500
City Solicitor,	1,550
City Physician,	000
Auditor of Accounts,	1,000
City Messenger,	900
Commissioner of Highways, with team,	1,600
Water Commissioner, with team,	1,500
Water Registrar,	1,100
Superintendent of Public Buildings,	1,100
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
City Marshal, with team,	1,600
Asst. Marshals, with team — each,	1,200
Captain of Day Police,	\$2.50 per day.
Captain of Night Police,	\$2.50 per night.
Detective,	\$2.50 per day.
Patrolmen,	\$2.25 per day or night.
Chief Engineer,	1,100
1st Asst. Engineer and Electrician,	800
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 1879.

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Abatements and Discount, . . . . .	\$40,000 00
Board of Health, . . . . .	400 00
City Hall, . . . . .	3,300 00
City Hospital, . . . . .	7,000 00
Fire Department, . . . . .	43,000 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
Incidental Expenses, . . . . .	5,000 00
Interest, . . . . .	115,000 00
Interest on Sewer Loan, . . . . .	17,000 00
Lighting Streets, . . . . .	28,000 00
Pauper Department. (City Relief), . . . . .	14,000 00
Pauper Department. (Farm), . . . . .	10,000 00
Pauper Department. (House Offal), . . . . .	2,000 00
Pauper Department. (Truant School), . . . . .	1,500 00
Police Department, . . . . .	42,000 00
Public Grounds, . . . . .	5,000 00
Salaries, . . . . .	21,000 00
School Department, . . . . .	142,000 00
School-Houses, . . . . .	13,500 00
Sewers. (Construction), . . . . .	4,000 00
Sewers. (North Pond), . . . . .	1,000 00
Sewers. (Maintenance), . . . . .	7,000 00
Street Construction, . . . . .	8,000 00
Street Paving, . . . . .	10,000 00
Water Works. (Construction), . . . . .	15,000 00
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Total, . . . . .	\$598,900 00





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