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CITY OF MEDFORD.

THE MAYOR'S ADDRESS
TO THE
BOARD OF ALDERMEN,
JANUARY 1, 1912.

THE
CITY GOVERNMENT,
THE
FINANCIAL STATEMENTS,
AND THE
ANNUAL REPORTS,
FOR THE YEAR
1911

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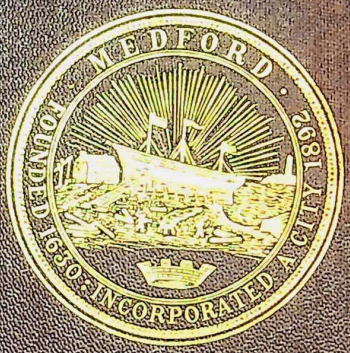
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Published by the City Auditor, as Directed by the Mayor

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Charles S. Taylor
Mayor

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SECOND ANNUAL ADDRESS

OF

Hon. CHARLES S. TAYLOR

MAYOR OF MEDFORD

Delivered January First, Nineteen Hundred Twelve

Gentlemen of the Board of Aldermen, Fellow Citizens:

It is my privilege, as Mayor of the City of Medford, to talk to you tonight upon the events of the past municipal year. The truest and severest test of my administration is whether or not what I have done, or have attempted to do, has received the approval of the people of Medford.

I entered upon my duties unpledged to any party, faction, or special interests, and it has been my constant effort to deal fairly and impartially with every one. In all my actions I consistently endeavored to answer the dictates of my business conscience, and not to deviate from business methods, principles, and policies, nor selfishly to sacrifice the interests of my fellow citizens for my own political advancement. There is nothing I wish to conceal. There is nothing I need to deny. If I have erred it is only in doing what I honestly and sincerely believed should be done for the good of Medford. Possibly I have rudely shattered some of the customs and traditions which surround City Hall and the various city departments. Probably some of my utterances here tonight will be called unkind. But I submit to my fellow citizens that I am their representative at City Hall and if there are things in Medford which cannot withstand the frankness of forcible and honest publicity, then there is no excuse for their continuance in our municipal system.

In my inaugural address of 1911, I made no recommendations, and I said, at that time, conditions as I found them after I took office would guide me, and not what I then imagined should be done. A year's experience has confirmed me in

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Government of the City of City of Medford

(List Compiled March 27, 1912).

MAYOR,

HON. CHARLES S. TAYLOR, 30 Vine Street.
Term expires first Monday in January, 1913.

MAYOR'S CLERK,

Archibald L. Jackson, 86 Otis Street

BOARD OF ALDERMEN.

President, Harry B. Leavitt.

*James H. Burpee,	Ward 1	53 Otis Street
Frederick A. S. Cosgrove,	Ward 1	152 Fellsway West
James A. Saunders,	Ward 1	65 Grant Avenue
*Harry N. Brown,	Ward 2	150 Park Street
George G. Colby,	Ward 2	29 Vine Street
Christopher W. Conway,	Ward 2	34 Court Street
*Harry B. Leavitt,	Ward 3	147 Woburn Street
Edwin T. McKnight,	Ward 3	64 Terrace Road
James G. Harris,	Ward 3	90 Wyman Street
*Harry M. MacNear,	Ward 4	30 Orchard Street
Richard J. Dwyer,	Ward 4	9 South Street
F. Irving Weston,	Ward 4	17 Royal Street
*Richard L. Baldwin,	Ward 5	52 Albion Street
Frederick W. Detheridge,	Ward 5	44 Medford Street
Ephraim B. Thorndike,	Ward 5	68 Harvard Street
*Luther B. Lyman,	Ward 6	73 Capen Street
Fred P. Carr,	Ward 6	16 Temple Street
George W. Rockwood,	Ward 6	82 Brooks Street
*Roy B. Burnham,	Ward 7	341 Riverside Avenue
John J. Fitzpatrick,	Ward 7	44 Sprague Court
Patrick Reynolds,	Ward 7	387 Riverside Avenue

*Elected at large.

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certain beliefs I then held, but did not publicly express. The light of actual practice has cleared away the haziness of theory and I am now prepared to set myself on record as most heartily and earnestly in favor of certain changes in our method of civic management. These changes have a definite bearing upon the welfare of Medford, and because I sincerely believe, honestly recommend and unequivocally advocate them, I shall do my utmost to bring them to pass.

During the past year it has been the sad duty of our City Government to meet and pass resolutions upon the death of former Mayors of Medford. In the death of Michael F. Dwyer on January 23, 1911, the city lost one of its most prominent local men. As a life-long resident of Medford, and as a moderator of the old town meetings, and as our second native born Mayor, Mr. Dwyer was especially well versed in all our local affairs and traditions. To his memory due reverence and tribute have been paid. General Samuel C. Lawrence, who died on September 24, 1911, was the first Mayor of Medford and the city's foremost citizen. To the many National, State and local tributes to the fullness of his life, and to his devotion of his time and money to the helping of his fellowmen, I can add nothing but what has already been said.

It affords me considerable satisfaction to contemplate our tax-rate of $19.80, a reduction from the previous year of $1.20. This reduction in the tax-rate is particularly gratifying to me because at the first of the year I was forced to go to the Legislature and ask for exemption from the so-called $12 limit. In the face of opposition I secured the right to raise $13 on a $1,000 for the next two years, and I was immediately subjected to the criticism that I was deliberately raising the tax-rate $1. This is not true, and I would call the attention of our citizens to that section of their tax bills which shows that for municipal purposes Medford expended in the year 1911, $11.98 on a $1,000 of valuation.

The total result can be thus summarized. Without any greater burden on the individual tax-payer, whose rate of payment is materially decreased, the city has been able to pay all of its current expenses without resorting to an increase in the funded debt in order to meet them, and more money has been

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expended for strictly municipal purposes than ever before. The two departments which have most benefited by this increase have been the Fire Department and the Schools, and not a penny has been spent on either one of these departments which was not justified by reason of urgent necessity.

Two reasons can be given for the reduction in our tax-rate. First, more taxable property was found by the Assessors this year. Second, the amount of money payable to the Sinking Fund Commissioners was reduced. The increase in taxable property is perhaps difficult to account for, but the real estate value of Medford is on the increase and will continue to increase as the new building in the various parts of the city bears evidence. The Assessors have also found more personal property. Whether this increase in the amount of personal property will continue is difficult to say, because of the very nature of the property upon which the tax is laid. That is the kind of property we wish to see brought into Medford, and the proper development of some of the vacant lots of land in the best sections of our city should mean an influx of wealth so taxable.

The question naturally arises as to whether the city can in any way aid in the proper development of vacant land lying within its boundaries, and I feel the city not only can do it, but is in duty bound to take some steps in that direction. Two courses may be pursued, one of which will directly encourage the kind of development we want, and the other which will directly discourage the kind of development we do not want. An example of the way in which the city can furnish an incentive to proper development, is given by Governors Avenue. One of the best sections of our city lies just beyond the termination of the present Governors Avenue. In order to properly open up this section, which, I understand, is soon to be put upon the market, I am going to advocate that Governors Avenue be extended up through the old golf links property to the Border Road. This would give to building in that vicinity the impetus which it needs, and would ultimately make a return to the city in the shape of increased valuation. I also advocate that this road or any such similar streets be built under the Betterment Act, and thereby save the city from bearing the whole cost of the work.

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To discourage the kind of development that is undesirable in Medford, there is but one thing to do, and that is, to stiffen our building laws. Under our building ordinances as constituted at present, it is possible for a real estate man to erect, very close together, the unsightly three-decker tenement, and yet be strictly within the law. When so built in large numbers and in one locality, they constitute a fire menace, to say nothing of the possibility of their deteriorating in a few years, through flimsiness of original construction and lack of repair, to a mass of broken-down structures, with the fatal result of impairing neighboring real estate values. The Board of Aldermen, in fact everybody in Medford, is well aware of the menace to the whole city, in permitting further construction of this kind, and I am going to suggest to the incoming Board at their first meeting, that a committee be appointed to take immediate steps to make our building ordinances more rigorous.

The building statistics, in brief, for the year 1911 are as follows:—

Whole numbers of permits issued for the year, 272.

81 were for one family dwellings,
82 were for two family dwellings,
46 were for three family dwellings,
6 were for blocks of stores and tenements,
2 were for brick blocks for stores,
11 were for private garages,
2 were for stables,
1 was for storehouse,
4 were for changes from one to two family dwellings,
5 were for repairs after fires,
32 were for repairs and miscellaneous work.

A large portion of this real estate development has been the erection of two and three family houses. There is no question but that they add this year to the physical worth of the city, thus making our tax income larger, but it is a question in my mind if, while they do contribute at the start to our valuation, will they not represent an increase in the running expenses of the city, such as removal of ashes and offal, extra police, fire protection, and schooling for children, which, combined, will exceed any benefit which may be conferred? The houses of

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that class, outside of their physical worth, do not contribute to the tax valuation of a city.

In some sections of the city there are also some very old buildings, now in a most dilapidated condition, and a few of them, unfortunately, are on the main avenues of approach to Medford. They greatly detract from the general beauty of the city, and also constitute a fire menace. If the owners of these buildings do not see fit to repair or remove them, I believe the condition they are now in would warrant the city authorities in taking some drastic action toward their removal.

The amount of money which the city of Medford must annually receive from taxation and pay over into the sinking fund for the ultimate payment of our funded debt, was reduced the past year from the first demand of the Commissioners of $67,510.41, to $37,318.41, a reduction of approximately $30,000. In my endeavor to bring the tax-rate down as much as possible, I felt that the sinking fund requirements were particularly large and that perhaps the Commissioners were requiring me to pay more than was necessary. I called their attention to this, with the result that they found that several of our sinking funds had reached maturity before the bonds for which they were established became due, and there being no need for further payment on these particular funds, the gross amount to be paid by the city was reduced.

Among the funds which had reached maturity were those established to pay off certain Certificates of Indebtedness, so-called. The history of these certificates is of interest, and in connection with it I wish to give credit to ex-Mayor Charles S. Baxter. It appears that at various times prior to Mr. Baxter's administration, Medford had been given certain funds to hold in trust for various purposes. They should have been invested as soon as received and the income devoted to the purposes which the instruments of trust specified. The city, having received those sums to hold in trust for purposes set forth in the instruments of gift, committed a breach of trust by expending them for current expenses. Through Mayor Baxter's foresight, the city has been enabled to pay those funds back. They are now properly invested, the city is observing its trust, and in that list of cities and towns published last spring by the

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State authorities as having wrongfully expended trust funds, Medford was not included.

There are within our confines about 363 acres of public open spaces. This includes the Wright's Pond property of 145 acres and 207 acres of marsh land extending along the Mystic River from Wellington Bridge to Cradock Bridge. The Wright's Pond property is under the control of the Water and Sewerage Board. Some day I hope to see the Metropolitan Park Commission take it over, for it is so far removed from the center of things that I doubt if we shall ever want it for park purposes. The land along the Mystic River represents an investment of over $70,000 and is being held by the local Park Commission, awaiting the pleasure of the Metropolitan Park Commission. There is a possibility that it may be taken over some day and that a boulevard will run along the river, parallel to Riverside Avenue. I do not know, nor can I now say what will be done with it, but I think that some definite action should be taken in the immediate future, for we have been holding most of that land since 1898. Under the Statutes, we cannot use the land for any except park purposes, so long as we hold it, nor can we sell it or dispose of it in any way, except to the Metropolitan Park Commission.

In addition to this we have about 4½ acres of land lying in Magoun, Logan, Brooks Park and Hastings Heights, devoted entirely to park purposes. The Common, Brooks Playstead and part of Tufts Park are classible as playgrounds and the kind of open spaces this community needs. The other parks have not, I consider, answered the real needs of our people. As I conceive the duty of a municipality towards its youth, that duty lies along the lines of supplying them with a place in which to play rather than maintaining cultivated areas, bedecked with shrubbery and bearing the sign "Keep off the grass." What we need in Medford are several public open spaces without trees, or grass or shrubbery, which can be devoted to athletic sports, and which will be of material assistance in keeping the boys off the street.

I feel that the subject of playgrounds is all-important, and I shall do my best to see that the future expenditure of money shall be for open spaces, not dedicated solely to beauty, but to

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the enjoyment of the small boy and his older brother who wish to engage in athletic sports. Any expenditure of public money or any addition to our tax-rate which will supply to the younger generation which is coming up, schools or playgrounds, needs no further justification. We need playgrounds just as much as we need schools. Individually, a man cannot give his children education and opportunities for engaging in out-door sports, but collectively a municipality is not only able to do so, but one of its greatest and most important duties is to thus provide for its youth. And in the performance of this duty there can be no limit to its liberality. The assertion that "The boy without a playground is the father of the man without a job," is indeed true.

In accordance with my views upon this subject of recreation, I would recommend that the city maintain two public bath-houses along the Mystic River, below Cradock Bridge. One could be located near Foster Court and the other about at the foot of Hancock Street on the opposite side of the river. They need not necessarily be elaborate structures, but they can be built at a small cost and furnish some slight degree of shelter and comfort to the large number of men and boys who use this section of the river for bathing.

One of the best advertisements for a city is good streets. The condition of the highways makes a great and lasting impression upon a visitor or a prospective resident. Medford has, in my opinion, as good streets as any city in the State. We cannot openly advertise this fact, but we can, by keeping our streets and sidewalks in first-class repair, let them advertise themselves. Liberal expenditures for this purpose are wise economy. Yet this fall I was forced to stop all work upon the highways because of the following state of facts, which, being thoroughly unexpected, necessitated prompt action on my part in order that certain accounts in the Highway Department might not be overdrawn.

In the year 1910 the City of Medford received as its share of the franchise tax for street railways the sum of $30,694.28. This sum, by law, has to be expended for removal of snow and repairs of highways. In making up my budget for this year and figuring the probable income from sources other than from

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taxes laid directly by the city, I figured that we would receive from the State on the basis of last year, $30,000 which could be devoted to repairs of highways and removal of snow. Greatly to my surprise, I received this year only $21,933.59, and in investigating why this discrepancy existed between the years 1911 and 1910, I sought the office of the Tax Commissioner of the Commonwealth for an explanation. The result of my investigation was, that in 1910 we received more money than was due us, an excess payment of $10,393.93. The law for the distribution of the street railway tax, requires that cities and towns shall receive the proceeds of the tax in proportion to the trackage within their borders, and that that portion of track which lies in the Metropolitan Park System shall pay its proportion into the State for interest and sinking fund requirements. Owing to a mistake, the City of Medford had been given the money represented by that stretch of track which lies along and through the Fellsway from the Wellington Bridge to Spot Pond, when in compliance with the law it should have been given to the State. This explanation was, of course, perfectly satisfactory to me, but at a later date I received a letter from the State Tax Commissioner, informing me that the excess payment made to Medford in 1910 would constitute a charge against the city, that the Commonwealth would so consider it, and would cut down our proportion of the distributed taxes next year. I question the right of the Tax Commissioner to exact from the city a repayment of this money and I shall be slow to comply with any demands from the State for such a sum.

On the ninth day of November I vetoed an order of the Board of Aldermen, in which they unanimously voted to raise the salaries of the patrolmen of the Medford Police Force. The Board refused, by a vote of 18 to 1, to sustain my veto. I still maintain that this increase of salaries is far out of proportion to the efficiency of the department, and that the Board of Aldermen can give no reasons to convince the great mass of our tax payers that the increase was merited. The Board, however, has seen fit to increase the amount of money which our citizens must pay for work of this kind, and I, of course, must submit to the finality of their judgment. But I prophesy that

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during this coming year the members of our police force will come nearer to earning their salaries than they ever have done before.

I shall have to appoint a new Chief of the Police Department during this year, as I now hold the resignation of the present incumbent of the office, to take effect upon the 1st of February. The appointment of his successor will not be immediate, but will be made only after I have thoroughly gone into the qualifications of the various candidates now seeking the office. I may not find the man I wish in the present force. I may not find a citizen of Medford whom I consider qualified to hold the position, and if such is the case, I reserve the right to go outside of the city in order to fill the vacancy. The department is badly in need of discipline and I intend to secure a chief whose single purpose must be to seek out and then remove the inefficient, spur on those who lag at their work, and get the force into shape, so that Medford shall eventually possess a police force in fact, instead of merely in name.

The amount of salaries paid to various employees of the city has been increased this year, and where it has been deserved, I have not opposed it. I have also been active in behalf of one class of employees to whom I feel the city can really afford to pay more money. I refer to our unskilled laborers. They receive but $2 for an eight-hour day, and the work which they get is not steady. It is to the advantage of the city to keep the same men employed, for as time goes on they become more skillful, and hence more valuable. Many of the men are anxious to work more than eight hours a day, but the eight-hour law is so rigidly enforced in the case of municipal employees, that they are not permitted to work more than eight hours, even if they desire to do so. Under the old law they could work overtime and get extra pay. The fact that they can no longer do that has cut down the income of many of them. I felt that we would more nearly approach the sums paid by other communities if we paid them $2.25 for an eight-hour day, and beginning today, that rate of payment went into effect.

A comparison of the position of the laborers with other employees of the city and the rates of wages paid, shows that we were being generous before we were just, and that in raising

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the day-laborers' wages, real justice was being done. Other employees of the city are paid fairly well, and when they have extra work to do they employ some one to help them out. Some of the departments could well economize and cut down department expenditures if, when extra work had to be done, a little more exertion was displayed than ordinarily is shown throughout the year. A more careful planning of the work and a more active participation by some of the heads of departments might result in saving money to the city in its running expenses. This question of salaries in general and the question of efficiency are closely related. The city business, like every business, will reap the benefit of improved methods of work. Salaries should be standardized, methods of procedure eliminating waste and putting a premium upon real economy should be established, and fidelity and efficiency should be given advantage over perfunctory performance of technical duties.

Through a special committee of the School Committee appointed to look into immediate needs of the School Department, a plan of development was laid out to meet the educational needs of the city for the next fifteen years. As a result of the committee's report, the Board of Aldermen appropriated the sum of $78,000 to build two four-room brick buildings, one in Wellington and one on Paris Street. Authorization was also given to purchase a school lot on Hancock Avenue and to purchase more land adjoining the Lincoln School in South Medford. The land has been bought, and the two schoolhouses are now in process of construction, and should be completed in time to be used for the opening of school next September.

It seems to me that as time goes on our schools will mean an added expense to the city, and the expenses of the School Department will increase out of proportion to the expense of any other department. The building of more schools means the raising of a larger sum every year in order to properly run them. The high school at the present time is particularly over crowded. During the past three years the membership of the high school has increased at an average rate of eleven per cent annually. To take care of the almost certain overcrowding of next year the Committee is preparing plans for an addition to the high school. The carrying out of this plan will mean an

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expenditure of about $200,000. This will not only exhaust all our borrowing capacity, which at the present time is $163,847.77, but we will have to go before the Legislature and get the authority to borrow more.

I thoroughly believe in the expenditure of money for education, and I feel that the Board of Aldermen will be ready to plan with me and accede to all the reasonable requests of the School Committee.

The Water Commissioners in the past have been subjected to criticism, for many of our tax payers have felt that the water rates in Medford were too high. As has already been announced through the papers, our water rates are lower, beginning today. It is needless for me to go into a long explanation of the new schedule. I do wish, however, to call attention to its most salient points. As a whole, the rates are decidedly favorable to the small user of water. There is a minimum charge of $6, where, previous to the change in schedule, the minimum was $12, and the cost of excess water over that amount is now $1.70 per 1,000 cubic feet, where it was $2 per 1,000 cubic feet. Instead of being payable annually in advance, the bills are now payable quarterly.

It is pleasing to me to publicly praise the work which has been done by the Water Department. While there may have been some justification for criticising our water rates as high, the Commissioners have been entirely within their rights under the law in fixing the rates as they deemed most beneficial ultimately for the city, and ultimate benefit is the proper test. The previous rates have been in force about eight years. During that time the city has been metered throughout, and every user of water now uses it on the meter system, which is the one and only way to curb the extravagant use of our great natural necessity.

The department owns a splendidly equipped modern office building, modern apparatus for testing meters and for the repair and maintenance of the system now under its charge. This has all been paid for out of the receipts for the last eight years. The physical worth of our water plant has been buillt up and established without increasing our funded debt in any way. Having run the city for a little over a year with every

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water taker receiving metered water, the Commissioners are now satisfied that it is feasible and possible for them to reduce the rates, put in meters with every new service installed and still be able to run independently, without making the department rely upon the tax payers to defray any deficit. That this is so, that the bulk of the water takers are to profit by the new rates, is due to the business-like methods and energetic management which the men in charge of this department have ever displayed.

The Fire Department has engaged my attention ever since I assumed office. I have already done a considerable amount of work in this department, and with the recommendations which I intend to make in regard to it, the department will, in the course of this year, reach that degree of efficiency which will render its value to the city proportionate to the expense which the department is to the tax payers. The equipment of the department was not in good shape, nor its buildings in what might be termed a thoroughly habitable condition. This condition was due to inefficient management of the department property. Repairs had been neglected for such a long time that I found that all the needed repairs could not be made in one year out of the amount of money appropriated for ordinary expenses of the department, and that in order to properly do the work which urgent necessity demanded, a fairly large expenditure of money was needed. I therefore secured from the Board of Aldermen an additional appropriation of $4,000 to be expended for horses, hose and repairs. About $3,500 of this $4,000 has been expended under my personal supervision, entailing work which ordinarily should not be required of a Mayor. It was not one of my duties, but I was forced to do it because of the dilatory methods of the Chief in regard to these repairs and improvements, even after ample funds were at his disposal. I now report that the fire apparatus and the fire houses are in a greatly improved condition.

There are employed by the city as call-men, including two assistant chiefs, about forty-three men to whom the city pays approximately $7,000 a year. After attending a majority of the fires during my administration, I have come to believe that the city can better be served by fewer call-men, and more per-

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manent men. I also feel that permanent men should act as assistant chiefs.

Ultimately, I should like to see the call force abolished and the amount of money now used for their salaries paid for more permanent men. This cannot be done at once, but I should recommend that steps be taken in this direction after the city has invested in motor fire apparatus. The feasibility of motor driven apparatus has been established beyond all question and for all time, and so clearly does motor-driven fire apparatus possess multiple advantages over horse-driven fire apparatus, that I do not deem it of sufficient importance to go into detail.

In conjunction with the Committee for Fire Department from the Board of Aldermen, I am considering the purchase of a motor-driven chemical, hose wagon, and pump. This is to take the place of the present steamer and hose wagon. By buying this piece of motor apparatus we can dispense with the cost of maintaining five horses and other accessories, and make a direct saving of nearly $1,500 per year. It will also permit the services of more men at the fire, arriving there much more quickly than is possible under the present system, and it can answer every alarm, where our present steamer has answered only fourteen out of one hundred and seventy-four alarms, and has been actually used only three times.

I also recommend the building of a new fire house at West Medford and the placing therein of a combination auto chemical and hose.

The Hillside district should be better protected than it now is, and the maintenance of some sort of apparatus at the Hillside should even now be considered by the city authorities. With a motor vehicle in West Medford and a motor pump at the Center House, the Hillside district will be well taken care of for some time to come.

The abolishment of horse-driven apparatus will give us more room at the Center House. The Board of Aldermen on Tuesday, December 26th, voted to purchase an auto patrol and ambulance. The placing of this vehicle in the Center House will save the city the cost of building a stable or renting two separate stables as we now do, to take care of the police patrol and the ambulance. This new ambulance can be made to

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answer every alarm and take the chief of the fire department to fires, and if it is not needed it can return at once. Thus the Fire Department and the Police Department can be combined in the interest of economy.

A year ago I laid down the following principle for my guidance in administering our municipal business.—

"I believe that any person employed in any department of the city, or drawing a salary from the city in any way whatsoever, who is a detriment to the service, should be immediately removed and replaced by one who will be efficient; and I shall use my best efforts to see that this policy is rigidly enforced."

There are now in the employ of the city persons who lack the capacity to properly perform their duties. I pass this judgment upon them only after a fair trial. They, themselves, realize full well the uncertainty of further continuance in their present positions. The road to capability has been pointed out to them. I now consider that in all fairness to the other departments and officials they have had their full share of helpful attention, and their footsteps should be guided no further. It is neither economical nor good business to let them shift for themselves and stumble around to the detriment of the city. My personal feeling and sympathy for them have urged me to make allowance for many of their shortcomings, but the good of the service and the welfare of Medford must, in the last analysis, be placed above all other considerations. I have purposely mentioned no names, but have spoken in this general manner that the public may not subsequently be surprised at what may come to pass. Changes will be made in the *personnel* of our municipal employees because continued inefficiency and incapability have outraged my business sense, and I shall no longer tolerate a laxity in city business which would be repugnant to me in my private affairs.

In conclusion I am going to make two recommendations, the carrying out of which will result in radical changes in our form of government. I am convinced that the interests of our city could best be served by a Board of Aldermen consisting of seven members, one from each ward, elected at large, and that the administration of the schools would benefit by having the number of the School Committee reduced from eleven to seven

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members, one member from each ward, elected at large. I shall not elaborate upon my ideas nor go into details as to what specific changes must be made in the city charter in order to bring about the realization of these ideas. I do, however, wish to publicly state my position as friendly towards such changes. As a non-partisan Mayor, I also favor abolishing the use of party designations in all city elections. There is no legitimate reason for drawing party lines in municipal affairs.

I begin the second year of my administration under most favorable financial conditions, of which I will give you a brief summary. In the first place, it pleases me to realize that I have steadfastly adhered to the principle of "pay as you go," and our current expenses have been paid out of current taxes, and they have not been financed by increasing the funded debt. The gross decrease in the funded indebtedness this past year was $69,294.42. On the other hand, our gross increase in the debt was $98,200, or a net increase in the first year of my administration of $25,960.12. $78,000 of the gross increase was for schoolhouses and land, and $20,200 was for permanent improvements, such as surface drains and sidewalks.

At the close of business on December 30, 1911, there is in the treasury about $106,000, an ample amount with which to meet the various obligations at the first of this year, and because we have it on hand we will not have to exercise our right to borrow in anticipation of taxes as soon as we otherwise would.

There is also another balance of $36,800. Part of this is traceable to unexpended balances in some of the departments, or, in other words, it is the result of cautious and conservative expenditure of the money given by the Board of Aldermen at the first of last year, and part of it is the result of the increase in the amount of taxable property found in the city in 1911. The sum will go into the general treasury of the city and will help to decrease the tax-rate of 1912, which I predict will be lower than that of 1911.

We have made some progress this past year, and I thank those who have worked with me and who have materially contributed in aiding me to accomplish what I set out to do. I have suggested many things to be done this year, and in their

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carrying out I ask the cooperation not only of the city officials, but of the public as a whole, to the end that the City of Medford will have as successful a city government and as efficient a municipal administration as there is in this Commonwealth.

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FINANCIAL STATEMENT.

The following is the financial statement of the City of Medford January 1, 1912:—

The notes outstanding were issued for the following purposes:

Those secured by Sinking Funds as follows:

Oak Grove Cemetery Extension, due in 1913.			$18,000 00
Schoolhouse Sewer Connections, due in 1913..			12,500 00
Land on Harvard Avenue, due in 1913.....			4,000 00
Also coupon notes payable to bearer as follows:			
No. 1. High Street.....			17,500 00
No. 2. Lincoln Schoolhouse.....			3,450 00
Nos. 3 and 4. Benham Street District Drain			2,000 00
Nos. 5 to 14. Sidewalks and Edgestones....			10,000 00
No. 15. Revision of Ordinances,	$1,000 00		
Gypsy and Brown-tail Moths.....	2,000 00		
City Stables.....	2,500 00		
Ambulance.....	650 00		
Tower Clock.....	350 00		6,500 00
No. 17. Woburn Street District Drain.....			3,650 00
No. 18. Police Signal Service....	$3,500 00		
High Street.....	2,143 24		5,643 24
Nos. 19 and 20. James Schoolhouse.....			28,000 00
No. 21. Gypsy and Brown-tail Moths.....			5,000 00
No. 22. High Street Widening.....			2,300 00
No. 23. Governors Avenue Drain.....			1,700 00
No. 24. Auburn Street Bridge.....			9,000 00
No. 27. Usher Road Extension.	$1,100 00		
City Stables.....	1,200 00		
George Street Drain...	1,000 00		
Basin and Drain in Tainter Street.....	300 00		3,600 00
Amount carried forward,			$132,843 24

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Amount brought forward,			$132,843 24
	Forest Street Widening,	$1,200 00	
	Woburn Street District Drain	200 00	1,400 00
No. 28.	Repairs to Fire Engine,	$2,000 00	
	Bow Street	500 00	2,500 00
No. 29.	Gypsy and Brown-tail Moths		5,000 00
No. 30.	Sidewalks and Edgestones		5,000 00
No. 31.	Middlesex Ave. Bridge Assessment,		11,000 00
No. 32.	Land on Boston Avenue		2,400 00
No. 34.	Winthrop Street Bridge,	$500 00	
	Usher Road Extension.	90 00	
	Forest Street Widening,	375 00	
	Bookcases	125 00	
	James Schoolhouse Addition	1,115 00	
	Amaranth Ave. Drain	2,100 00	
	Paving Gutters	500 00	
	Basin and Drain in Salem Street	70 00	
	Basin and Drain in Hadley Place	150 00	
	Basin and Drain in Lawrence Street	250 00	
	Sidewalks and Edgestones	5,000 00	
	Lambert Street	500 00	
	Benham Street District Drain	225 00	11,000 00
Nos. 35 and 36.	Water Construction		15,000 00
No. 37.	Land on George Street		7,000 00
No. 38.	Fence, Cemetery Dept...	$1,500 00	
	Book Stacks and Equipment	3,500 00	5,000 00
Amount carried forward,			$198,143 24

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Amount brought forward,			$198,143 24
Nos. 39A and 39B. Repairs, painting, etc., (School Dept.)			7,500 00
Nos. 40A and 40B. Sidewalks and Edgestones			7,000 00
No. 41.	Tufts Park	$1,700 00	
	Foot-bridge	3,500 00	
	Middlesex Avenue Bridge Assessment	5,600 00	10,800 00
No. 42.	Touro Avenue	$1,450 00	
	Tufts Park	3,750 00	
	Fire Alarm Box	150 00	
	Arlington Street District Drain	1,725 00	
	Basin and Drain in Lawrence Street	700 00	
	Basin and Drain in Crescent Street	720 00	
	James Schoolhouse Addition	313 00	
	Fence, Swan Schoolhouse	192 00	
	Gypsy and Brown-tail Moths	3,000 00	12,000 00
No. 43.	Gypsy and Brown-tail Moths		1,939 30
No. 44.	Vault Fittings	$800 00	
	Cemetery Brook	200 00	
	Changing Wires at Central Station	300 00	1,300 00
No. 45.	Governors Avenue		12,000 00
No. 50.	Insurance		2,000 00
Nos. 51 to 62.	Land adjoining High School Lot,		12,000 00
No. 63.	Concrete Sidewalks		4,500 00
Amount carried forward,			$269,182 54

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Amount brought forward,		$269,182 54
No. 64. Steam Road Roller		3,000 00
No. 65. Middlesex Ave. Bridge Assessment,		8,000 00
No. 66. Horses for Fire Dept.		1,700 00
No. 67. Public Schools Contingent		2,500 00
No. 68. Gypsy and Brown-tail Moths		10,000 00
Nos. 78 to 82. Sidewalks and Edgestones		2,500 00
Nos. 91 to 95. Sidewalks and Edgestones		6,200 00
No. 96. Repairing Schoolhouses		2,000 00
No. 97. Sidewalks and Edgestones		1,000 00
No. 98. Street Drains, Cart Sheds, Winthrop Street and Highland Avenue		3,000 00
No. 99. Quincy Street		1,500 00
No. 100. Claims: Settlement of suit of Sullivan *vs.* City of Medford		5,000 00
No. 101. Gypsy and Brown-tail Moths		10,000 00
No. 102. Gypsy and Brown-tail Moths		5,000 00
No. 103. Concrete Walks—School Dept.		1,000 00
No. 104. Middlesex Ave. Bridge Assessment,		8,000 00
No. 105. Middlesex Ave. Bridge Assessment,		8,000 00
No. 106. Cedar Road		1,000 00
No. 107. Safe and Equiping Vault		1,100 00
No. 108. Fire-proof Vault		2,000 00
No. 109. Magoun Avenue and Pembroke Street Drain		1,200 00
Nos. 1 to 4. Charles River Basin Assessment,		4,000 00
Total debt for which notes have been issued is,		$356,882 54

The bonded debt of the city consists of:

City of Medford Water Fund Bonds	$164,000 00	
Medford Public Building Loan	233,000 00	
Medford Sewerage Loan	262,000 00	
Medford Sewerage Loan, Act of 1909	30,000 00	
City of Medford Municipal Loan,	298,000 00	
Amounts carried forward,	$987,000 00	$356,882 54

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Amounts brought forward,	$987,000 00	$356,882 54
City of Medford Public Playground Loan	18,000 00	
Medford Park Loan	32,000 00	
City of Medford Lincoln Schoolhouse Loan	45,000 00	
City of Medford Metropolitan Park Assessment Loan	27,000 00	
City of Medford City Stable Loan	15,000 00	
Medford Schoolhouse Improvement Loan	14,000 00	
City of Medford Schoolhouse Loan of 1908	95,000 00	
City of Medford School Loan of 1911	78,000 00	
City of Medford Sidewalks and Edgestones	8,000 00	
Total bonded debt		$1,319,000 00
Total debt for which bonds or notes have been issued		$1,675,882 54

The report of the Commissioners of Sinking Funds gives the amount standing to the credit of the several Sinking Funds, December 31, 1911, as follows:—

Water	$187,002 30	
Public Building	233,150 54	
Sewerage	156,439 87	
Municipal	242,540 38	
Public Playgrounds	14,572 07	
Lincoln Schoolhouse	18,279 21	
Park	30,722 00	
Oak Grove Cemetery Extension	17,289 78	
Schoolhouse Sewer Connections	12,160 51	
Amounts carried forward,	$912,156 66	$1,675,882 54

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Amounts brought forward,	$912,156 66	$1,675,882 54
Metropolitan Park Assessment	10,139 23	
City Stable	6,112 17	
Schoolhouse Improvement	2,344 89	
City Notes	131,289 17	
Schoolhouse Loan, 1908	17,046 29	$1,079,088 41
Leaving our *net* debt, January, 1912		$596,794 13
An increase in *net* debt since January 1, 1911, of		$25,960 12
The Perpetual Care Fund amounts to		$37,520 40
The Trust Funds amount to		15,857 35
During the year 1911 the coupon notes numbered 108 and 109, also Nos. 1 to 4 inclusive (which I have already mentioned) were issued and they amount to		7,200 00
School Loan of 1911 Bonds were issued amounting to		78,000 00
Sewerage Loan Act of 1909 Bonds were issued amounting to		5,000 00
Sidewalk and Edgestone Bonds		8,000 00
		$98,200 00
The debt has been decreased by payment of:		
Certificates of Indebtedness	$37,294 42	
Water Fund Bonds	4,000 00	
Public Building Loan Bonds	26,000 00	
Coupon Note Number 49	2,000 00	69,294 42
Increase in *gross* debt since January 1, 1911		$28,905 58
The Assessors' valuation, April, 1911, was:		
Real Estate, Buildings	$12,294,450 00	
Real Estate, Land	9,437,150 00	
Personal Estate	3,574,150 00	
Total valuation		$25,305,750 00
Less Soldiers' exemption		74,450 00
Total taxable valuation		$25,231,300 00

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Report of the City Auditor

Medford, January 1, 1912.

Hon. Charles S. Taylor, Mayor of the City of Medford:

Sir,—In compliance with the requirements of Section 5, Chapter VII, of the City Ordinances, I present the following report:

Respectfully submitted,

GEORGE D. CUMMINGS,
City Auditor.

The cash in the treasury Jan. 1, 1911, was...	$59,859 73
The receipts from Jan. 1, to Dec. 31, 1911, inclusive were.....	1,289,598 21
	$1,349,457 94
Fifty-six drafts have been drawn on the treasurer amounting to.....	1,252,553 88
The cash in the treasury as shown by the books of this office on Jan. 1, 1912, is.....	$96,904 06

The detailed statement of the receipts and the expenditures of the city for the year ending December 31, 1911, is as follows:

RECEIPTS.

From January 1 to December 31, 1911.

Almshouse.

Received from:

Joseph Johnson, board of inmate.....	$180 00
Mrs. L. E. Mitchell, board of inmate.....	15 00
Edward Gowing, Supt., sale of produce.....	299 71
City of Everett, board of inmate.....	91 00
	$585 71

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Armory.

Received from:	
Commonwealth of Mass., rent and maintenance of armory of the 3d class 1 year to Dec. 1, 1910	$900 00

Ashes.

Received from:	
Edwin T. Palmer, for gleanings from dump Nov. 16, 1910 to May 16, 1911	$10 00

Bonds.

Received from:	
R. L. Day & Co, face value of City of Medford School Loan of 1911, 4% bonds	$78,000 00
Geo. A. Fernald & Co., face value of Medford Sewerage Loan, Act of 1909, 4% bonds	5,000 00
Geo. A. Fernald & Co., face value of Medford Sidewalk and Edgestone, 4% serial bonds	8,000 00
	$91,000 00

Bridges.

Received from:	
Medford Winthrop Street Bridge account, Labor	$3 32

Care of Cemeteries.

Received from:	
Sundry persons, sale of lots	$2,066 00
Sundry persons, sale of single graves	927 50
Medford Interest account, on $22,185 at 4% for the year 1910	887 40
Commissioners of Sinking Funds Income to Jan. 1, 1911 from that part of the Perpetual Care Fund which accummulated since 1901	438 31

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Trustees of Cemeteries, interments, extra work, etc.	1,274 00
	$5,593 21

Care of Trees.

Received from:

Mrs. M. C. Boynton, removing limb	$20 00
F. L. Flanagan, labor and teaming	4 81
Wm. E. Crosby, labor and teaming	7 33
Howard Bennett, injury to tree	1 65
Grace Dean, removing limb	50
Medford Leopard Moth account, labor	175 68
Medford Park Dept., lighting tree fallen on sidewalk	4 50
	$214 47

City Clerk's Department Expenses.

Received from:

Ella S. Hinckley, to reimburse treasury for amount paid Elsie E. Coughlan for services clerk during March, 1911	$25 50

City Hall.

Received from:

Patrick Reynolds, old papers	$3 24

Collection of House Offal.

Received from:

Mary P. C. Cummings, sale of offal, to Oct. 1, 1911	$2,166 67

Contagious Diseases.

Received from:

Clarence E. Twombly, board and care	22 29
Frank Minard, board and care	63 00
Town of Winchester, board and care	70 70
Commonwealth of Mass., board and care	77 14
	$233 13

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Sundry Accounts of City Collector.

Received from Edward W. Hayes, City Collector:	
Taxes	$503,520 98
Sewer Assessments	3,543 18
Sewer Apportionments	396 20
Sewer Connections added to taxes	1,132 37
Sewer Connections Apportionments, paid in advance	55 91
Sewer Connections Apportioned	313 67
Sewer Connections	2,887 96
Sewer Apportionments, paid in advance	198 74
Sidewalk Applications	989 07
Sidewalk Assessments	2,400 01
Sidewalk Apportionments, paid in advance	44 11
Sidewalk Apportionments	832 10
Water Connections	2,663 54
Gypsy and Brown Tail Moth Assessment	1,839 72
Watering Assessment	11,143 29
Water Maintenance, Water Rates	72,653 42
*Water Maintenance, other accounts including interest on average balance	8,181 65
Water Construction	2,428 56

*For any further information regarding "other accounts," see Water and Sewer Commissioners.

Electrical Department Expenses.

Received from:	
Medford City Hall account, repairs to burglar alarm	$6 00
Medford Inspection Department, use of Telephone	12 00
Medford Fire Department, moving and setting pole	2 50
	$20 50

Engineering Department Expenses.

Received from:	
Medford Water and Sewer Department, labor, plans, etc	$970 66

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Estates Bought at Sale for Taxes.

Received from:	
Nathaniel Conant, release of tax title	$169 66
Delia Dwyer, release of tax title	22 84
Katherine E. Waters, et al, release of tax titles	20 88
Myron R. Hutchinson, release of tax title	6 87
Eaton and McKnight, release of tax title	73 54
Dominick Romano, release of tax title	9 58
Edward J. Doherty, release of tax title	753 62
Edw. W. Hayes, Coll. refund of amount erronously assessed	22 31
	$1,079 30

Evening School.

Received from:	
F. H. Nickerson, Supt. of Schools, forfeited deposits	$59 27

General Repairs of Highways.

Received from.	
Lewis H. Lovering, crushed stone	$11 20
Louis G. Bragdon, crushed stone	31 90
Sarah Fuller Home, crushed stone	2 62
E. M. Hamlin, crushed stone	4 50
Eastern Dredging Co., crushed stone	19 20
Sam'l. C. Lawrence, crushed stone	2 22
P. H. Byron, crushed stone	90
Shepherd Brooks, crushed stone	28 68
Raymond A. Sints, crushed stone	6 36
Harry Dutton, crushed stone	9 37
Erving P. Morse, crushed stone	5 00
F. E. Chandler, crushed stone	4 90
Stone, Timlow & Co., sand	2 00
Warren W. Ewell, sand	2 00
E. W. Reed, crushed stone, cement, sand, etc.	7 51
H. B. Leavitt, crushed stone and loam	2 88
A. D. Hall, crushed stone and calcide	2 71

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Malden & Melrose Gas Light Co., crushed stone, use of roller, etc.	$81 47
E. T. Bigelow, crushed stone, tarvia and labor.	15 76
Hugh Nawn Construction Co., use of roller, tarvia, etc.	149 75
Wm. C. Wait, labor and teaming removing leaves	1 75
Clifford M. Brewer, labor of man and team.	3 25
Hanscom Construction Co., labor and use of roller	29 75
Russell & Fairfield, loss by fire Oct. 10, 1910, to stone crusher and shed	300 00
Geo. H. Archibald, use of team.	1 25
Standard Oil Co., board, care and shoeing of horses	51 30
J. E. Dussault, double cart	20 00
New England Tel. & Tel. Co., use of roller, inspector, etc.	24 57
Fred R. Charnock, cement	1 23
High School Athletic Association, labor	8 00
Barrett Mfg. Co., tarvia	42 00
Harvey A. Hopkins, care of team and shoeing.	117 45
Travelers Ins. Co., professional services of Richard Drake	5 00
Commonwealth of Mass., Street Railway Tax $21,933.59 less amount credited to snow $500. (Sec. 47 and 62, Chap. 14 R.L.)	21,433 59
Medford Health Dept., use of horse and care of team	206 95
Medford Electrical Dept., care of team, shoeing	236 35
Medford Water and Sewer Dept., use of roller, tarvia, patching	102 83
Medford Fire Dept., use of horses, crushed stone, etc.	167 12
Medford Police Dept., use of horse and boarding same	10 00
Medford School Dept., labor on test pits	12 47

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Medford Gypsy and Brown Tail Moth Acct., teaming	$177 15
Medford collection of house offal, account, teaming	986 55
Medford Ashes account, teaming	1,114 70
Medford snow account, teaming and sand	242 54
Medford care of Trees account, teaming	76 45
Medford Sidewalks and Edgestones account, sand, stone, cement and teaming	1,264 17
Medford Bridges account, lumber, teaming	29 15
Medford Paving Gutters account, teaming	111 97
Medford Watering Streets account, water used, teaming, crushed stone, etc.	1,505 71
Medford Setting out Trees, teaming	1 57
Medford Leopard Moth and Elm Tree Beetle account, teaming	13 99
Medford Magoun Ave., and Pembroke St. Drain account, teaming and supplies	229 35
Medford Surface Drains account, brick, sand, cement, grates, etc.	1,080 77
Medford Guide Boards and Street Signs account, teaming	6 88
Medford Sealer of Weights and Measures, use of telephone	1 15
	$30,007 89

Guide Boards and Street Signs.

Received from:

James Morrison, signs	$5 00

Gypsy and Brown Tail Moths.

Received from:

Moore and others, wood sold	$13 50
Commonwealth of Mass., ½ of excess expended above $5,000 in 1910	2,184 42
Barrett Mfg. Co., creosote returned	5 95
Sundry Persons, treating trees	1,707 02
Medford Leopard Moth Acct., labor	100 00
	$4,010 89

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Horse.

Received from:	
Edw. Gowing, Supt., at Almshouse, black horse	$75 00

Horses, Hose and Repairs (Fire Dept.)

Received from:	
N. W. Lillie, horse	$175 00
Chas. S. Taylor, horse sold to J. W. Thomson	100 00
Medford Highway Dept., bay horse	100 00
	$375 00

Income from Hoyle Fund.

Received from:	
Coms'rs of Sinking Funds, income to Nov. 1, 1911	$43 64

Income from Estates taken for Taxes.

Received from:	
James Morrison, rent	$293 99
Wm. H. Babb, rent	424 65
A. J. Constantine, rent	60 00
	$ 778 64

Interest.

Received from:	
Nat'l Shawmut Bank, on deposits (Treas.)	$937 00
Medford Trust Co., on deposits, (Treas.)	633 30
Medford Trust Co., on deposits, (Collector)	110 86
Nat'l. Bank of Commerce, on deposits (Coll.)	104 64
Comsr's of Sinking Funds, 15 days on $3,200 at 4%	5 33
Coms'rs of Sinking Funds, on Hall, Secomb & Simonds funds Jan. 1 to Nov. 1, 1911	445 74
Medford Savings Bank, on Bradbury Fund, 1 year to Nov. 11, 1911	454 58

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R. L. Day & Co., 14 days on $78,000 at 4%....	$121 33
Geo. A. Fernald & Co., 1 month 17 days, on $4,000 at 4%.....	20 89
Geo. A. Fernald & Co., 3 months 17 days on $5,000 at 4%.....	59 45
Geo. A. Fernald & Co., 4 months 17 days on $8,000 at 4%.....	121 77
Sundry Persons, on release of Tax Title.....	85 00

Edw. W. Hayes, Collector on the following accounts:		
Taxes.....		$7,311 70
Sidewalk Assessments.....		40 65
Sidewalk Apportionments.....		88 41
Sewer Connections Apportioned.....		24 85
Sewer Connections.....		11 49
Sewer Assessments.....		55 50
Sewer Apportionments.....		54 57
Sewer Connections added to Taxes.....		52 58
		$10,739 64

Interest on the Water Debt.

Received from:	
Coms'rs of Sinking Funds, income from Water Loan Sinking Fund.....	$7,617 66

Leopard Moth and Elm Tree Beetle.

Received from:	
Sundry Persons, for treating trees.....	$45 45

Miscellaneous Credits.

Received from:		
Commonwealth of Massachusetts.		
Tax balance due from previous year.....	$556 27	
Tax, Business Corporations.....	1,967 00	
Tax, Public Service Corp's.....	11,053 03	
Tax, National Bank.....	4,127 02	
Tax, Boston Elevated Ry.....	6,178 45	$23,881 77

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Commonwealth of Mass., burial of Soldiers and Sailors	$333 00
Commonwealth of Mass., refund of amount paid in 1910, liquor licenses	3 25
First District Court E.M., fines and fees	503 53
John R. Fairbairn, Master, fines and fees	5 00
Emery D. Holmes, Chief of Police, news boys and junk licenses	8 00
Old Colony Trust Co., premium on notes	65
Estabrook & Co., premium on notes	50
Blake Bros. & Co., premium on notes	25
E. W. Hayes, Collector, certificates, (Chap. 378, Acts of 1907)	98 00
Allston P. Joyce, City Clerk, fees	690 00
C. M. Brewer, Mayor, licenses	6 00
Chas. S. Taylor, Mayor, licenses	161 00
E. W. Hayes, Collector, costs on taxes	1,281 80
E. W. Hayes, Collector, costs on sidewalk assessments	19 00
Winslow Joyce, Insp. of Milk and Vinegar, licenses and renewals	83 00
Winslow Joyce, Sealer of Weights and Measures, sealing	100 63
Boston Elevated Ry., sealing scales	1 80
Met. Water and Sewer Board, sealing scales	2 66
Met. Park Commission, sealing scales	59
Medford Water and Sewer Dept., sealing scales	1 98
Medford Highway Dept., sealing scales	1 15
M. Norton & Co., sealing scales	74
J. W. Gorman, license	25 00
Sundry Persons, sale of cemetery lots	235 50
Sundry Persons, redemption of tax titles	27 00
Sundry Persons, release of tax titles	37 50
Sundry Persons, 6th class licenses	15 00
Willard Welch, costs and interest in case of sewer apportionment No. 5,027	35 60
	$27,559 90

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Mystic Valley Improvement.

Received from:	
Philip Bornstein, standing salt grass, season of 1911	$250 00

Notes.

Coms'rs of Sinking Funds, face value of notes Nos. 108 and 109	$3,200 00
Geo. A. Fernald & Co., face value of notes Nos. 1 to 4	4,000 00
	$7,200 00

Notes in Anticipation of Taxes.

Received from:	
Old Colony Trust Co., face value of notes Nos. 36 to 41 inc.	$100,000 00
Bond & Goodwin, face value of notes, Nos. 42 to 44 inc.	50,000 00
Curtis & Sanger, face value of notes, Nos. 45, 46 and 47	50,000 00
Blake Bros. & Co., face value of notes, Nos. 48, 49, 50, 57, 58 and 59	100,000 00
Mass. Bonding and Ins. Co., face value of notes, Nos. 51, 52 and 53	50,000 00
Estabrook & Co., face value of notes, Nos. 54, 55 and 56	50,000 00
	$400,000 00

Ordinary Expenses of Fire Department.

Received from:	
Philip J. Teel, condemned hose	$3 06
F. A. Hall, condemned hose	1 35
John H. Qualey, packing cases	50
	$4 91

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Outside Relief.

Received from:	
City of Lawrence, aid rendered	$120 24
City of Malden, aid rendered	303 81
City of Melrose, aid rendered	67 65
City of Woburn, aid rendered	118 40
City of Boston, aid rendered	195 00
City of Everett, aid rendered	123 50
City of Cambridge, aid rendered	1 40
City of Somerville, aid rendered	14 42
Town of Provincetown, aid rendered	166 31
Town of Adams, aid rendered	28 00
Town of Winchester, aid rendered	36 49
Mrs. Geo. Daniels, board and care of a person	107 13
Commonwealth of Mass., aid rendered	380 39
	$1,662 74

Payment of City Debt.

Received from:	
Coms'rs of Sinking Funds, amount to retire bonds due Jan. 1 and July 1, 1911	$30,000 00
Coms'rs of Sinking Funds, amount to retire certificates of indebtedness	37,294 42
R. L. Day, premium on 78 School Loan of 1911 bonds	2,495 22
Geo. A. Fernald & Co., premium on sidewalk and edgestone bonds, and Charles River Basin assessment notes	201 25
	$69,990 89

Paving Gutters.

Received from:	
Medford Ice Co., paving stones, labor, teaming	$41 19

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Perpetual Care Fund.

Received from:	
Estate of Estella P. Tilden	$100 00
John D. Street	67 00
Charles A. Clarke	75 00
Harry M. Clark	37 00
Charles H. Bueck	37 00
Sarah Conant	37 00
Henry J. Livermore	32 00
Eudora W. McPherson	32 00
Albert A. Samson	32 00
Annie M. Barnard	31 00
Wm. E. Crosby	31 00
Harry F. Begien	25 00
Flora Merseveau	25 00
B. Howard Barker	25 00
Margaret A. Stewart	25 00
Charles W. Belya	25 00
George H. Humphrey	25 00
Elgin W. Jones	25 00
Gaetano Annichiarico	25 00
George B. Lawrence	25 00
Estate of Matthew Robertson	25 00
	$761 00

Public Commons.

Received from:	
Laura P. Patten, mowing part of High School lawn	$25 00
Frank P. Pierce, mowing part of High School lawn	$25 00
High School Athletic Association, mowing field	4 00
W. W. Fifield, ½ cost of fence	12 50
	$66 50

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Public Library.

Received from:	
J. O. Hayden, County Treasurer, 96% of $2,106.00 dog licenses	$2,021 76
Medford School Department, books lost, 1909-1911	14 18
Commissioners of Sinking Funds, income from Osgood, Tufts and Munroe funds from Jan. 1, to Nov. 1, 1911	110 68
	$2,146 62

Public School Contingent.

Received from:	
State Board of Charity, tuition of State wards.	$600 00
City of Somerville, tuition	30 00
Emery D. Holmes, Chief of Police, amount recovered toward repairing damage to telephones James Schoolhouse	2 00
	$632 00

Repairing Fire Alarm System.

Received from:	
Medford Fire Department, labor installing tapper	$14 37

Repairs School Department.

Received from:	
Russell Fairfield Agt., loss by reason of fire at Everett Schoolhouse, June 30, 1911	$273 00

Salaries of Engineers and Firemen.

Received from:	
City Treasurer, amount erroneously entered on pay roll	63

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Sewer Construction.

Received from:	
Medford Cemetery Dept., labor, material for catch basin	$20 47
Boston Elevated Ry., changing manholes	190 45
Page and Curtin, labor, pipe	5 80
Sam'l C. Lawrence, Engineers' time on house connection	1 30
Frank E. Chandler, sewer pipe	3 99
M. E. O'Brien, sewer pipe	2 50
Medford Highway Department, frames, pipe, etc.	102 42
Medford Fire Proof Vault Account, changing manhole	31 87
	$358 80

Sewer Maintenance.

Received from:	
Fletcher Orpin, cleaning house connection	$1 53
Helen T. Wild, cleaning house connection	82
Stone, Timlow & Co., cleaning house connection	13 36
Sadie R. Barrows, cleaning house connection	1 15
Rebecca J. St. Denis, cleaning house connection	1 24
Frank T. Hitchcock, cleaning house connection	1 87
Darius A. Green, cleaning house connection	1 50
	$21 47

Sidewalks and Edgestones.

Received from:	
S. &. R. J. Lombard, labor, etc.	$26 46
Met. Park Commission, labor and material on street crossings	513 40
Malden Electric Co., repairing sidewalks, etc.	9 54
Herbert Kelly, corner stones	4 00

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J. A. C. Emerson, lowering edgestones and building driveway	5 00
Charles H. Smith, lowering curbing	5 00
H. S. Locke, lowering driveway	5 00
N. E. Tel & Tel Co., repairing sidewalks, etc.	15 75
Malden & Melrose Gas Light Co., repairing sidewalks, etc.	50
Mrs. Duffield, building private walk	2 25
A. Derickson, building private walk	3 00
F. C. Stowell, lowering edgestones	6 00
H. B. Lynde, lowering edgestones	3 00
Brooks Land Associates, labor, teaming, etc.	280 99
Medford Surface Drains Account, edgestones	39 44
	$919 33

Sinking Funds.

Received from:

Geo. A. Fernald & Co., premium on 5 Medford Sewerage Loan Bonds	$330 00

Snow.

Received from:

Commonwealth of Massachusetts, street railway tax $21,933.59 less $21,433.59 credited to General Repairs of Highways	$500 00

Soldiers' Relief.

Received from:

City Collector, allowance uncalled for returned to treasury	$5 00

Spot Pond Suit Expenses.

Received from:

National Shawmut Bank, interest on deposit	$52 01

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State Aid.

Received from:	
City Treasury, allowance returned to treasury.	$6 00
Commonwealth of Massachusetts, State Aid..	4,576 00
Commonwealth of Mass., Military Aid.....	225 50
	$4,807 50

Setting Out Trees.

Received from:	
Benjamin H. Lombard, injury to tree.....	$2 00

Watering Streets.

City of Somerville, watering part of Boston Avenue, two years.....	$132 86
Sarah J. Betts, watering or oiling.....	2 80
Marion E. Pike, watering or oiling.....	2 80
John E. Eaton, watering or oiling.....	3 02
Nora J. Burke, watering or oiling.....	1 40
L. F. Goudey, watering or oiling.....	2 80
Phoebe W. Currier, watering or oiling.....	2 80
Frances J. Wilson, watering or oiling.....	2 80
Henry Copithorne, watering or oiling.....	1 44
Arthur S. Eddy, watering or oiling.....	2 80
J. J. Mulkerin, watering or oiling.....	3 13
Geo. A. Curtis, watering or oiling.....	10 50
Ida C. Shaw, watering or oiling.....	2 80
Henry Sterling, watering or oiling.....	2 80
Minnie C. Kendall, watering or oiling.....	6 47
B. J. & N. J. Burke, watering or oiling.....	1 40
Jas. J. Mulkerin, oil, labor and teaming.....	3 13
Sam'l C. Lawrence, calcium chloride.....	3 00
Medford Cemetery Dept., calcium chloride....	21 33
	$210 08

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EXPENDITURES.

Aldermen's Contingent.

Paid:	
J. C. Miller Jr., printing	$174 85
Medford Publishing Co., advertising, printing	11 25
Frank H. Peak, stationery	1 95
Allston P. Joyce, cash paid for gavel, framing "Resolutions"	8 00
Edward W. Mitchell, cash paid for postage, etc	7 64
Jas L. Sinclair, rubber stamps	96
Myrta A. Dunn, typewriting	3 00
John J. Leary, carriage hire	40 00
Jas. J. Shannon & Co., typewriting repairs	2 60
Chester W. Clement, engrossing	50 00
Eben H. Cain, badges, engraving	6 50
Welch Bros., roses	20 00
Francis Doane & Co., pencils	2 50
Julius A. Zinn, roses	25 00
J. R. Whipple Co., dinners for Board of Aldermen	155 75
	$510 00

Armory.

Paid:	
Trustees of Veteran Association of the Lawrence Light Guard of Medford, rent including heating, lighting and care, 1 year to Jan. 1, 1912	$2,000 00

Bonds of City Officals.

Paid:	
Massachusetts Bonding and Insurance Co., premium on bonds	$402 96

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City Collector, Tax Account.

Paid:	
Edward W. Hayes, City Collector, refund of amount erroneously assessed	$12 12
Robert J. Jones, on account of erroneous assessment	247 45
	$259 57

City Collector, Gypsy and Brown Tail Moth Assessment.

Paid:	
Robert J. Jones, on account of erroneous assessment	$6 10

City Hall.

Paid:	
Night watchman and janitors, as per pay rolls.	$1,645 50
Malden Electric Co., light, lamps	284 63
Malden & Melrose Gas Light Co., gas	5 47
Michael A. Herman, cash paid for postage, car fares, etc.	2 58
Medford Electrical Dept., repairing signal alarm	6 00
Medford Water Division, water	20 53
Medford Ice Co., ice	16 85
Medford Publishing Co., advertising	3 75
George H. Archibald, stock and labor	22 78
Tutten Bros., marble slab	6 68
J. C. Miller Jr., printing	3 00
H. F. Walker, fire hook	50
Dwight O. Collins, horse hire	6 00
Howard A. Leighton, repairing locks	2 00
John A. Morgan, comb	25
E. Dana Haskell, laundry work	16 83
Marion R. Dalgleish, work on flag	3 50
James L. Sinclair, Hardware	39 00
Wellman Co., repairing door knob	60
Wm. Howe, repairing chair	3 50

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Page & Curtin, hardware, repairs	$36 60
J. W. Lane, reseating chairs	2 50
Ernest B. Moore, agent, rent of annex, 6 months to August 1, 1911	500 00
Estate of Samuel C. Lawrence, rent of annex, 6 months to January 1, 1912	500 00
Geo. Nichols Co., draping picture	3 00
W. H. Magoun, shades	1 20
E. J. Hervey Co., matches, toilet paper	3 75
H. F. Staples & Co., wax oil	4 50
Yerxa & Yerxa, chloride of lime	10
Wm. E. Ober, electrical supplies	13 23
Warren H. Keay, glazing	2 50
Charles H. Walley, painting and lettering	27 75
Welch's Express, expressing	1 05
McClellan's Express, expressing	2 00
Smith's Express, expressing	25
Adams, Cushing & Foster, stationery	6 10
H. B. McArdle, bands, blotters	4 38
Somerville Brush Co., brushes, dusters	11 35
Carlisle-Ayer Co., sash	2 25
J. H. Thompson, horse hire	5 00
Union Decorating Co., awnings	10 00
Heaney Mfg. Co., soap	2 50
Geo. P. Hoyt Co., flags	14 20
Wm. Levy, towels	2 20
Malden Screen Co., screens	5 75
H. I. Dallman Co., brushes	10 50
Carter's Ink Co., ink	4 40
R. H. White Co., linoleum	19 64
West Disinfecting Co., disinfectors, liquid soap	26 50
Highland Coal Co., coal	440 04
	$3,753 19

Charles River Basin Assessment.

Paid:

Commonwealth of Mass. Charles River Basin Loan Sinking Fund	$1,035 40
Interest on	3,729 19

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Cost of maintenance	$957 46
Serial Bonds	74 40
	$5,796 45

Claims.

Paid:

Lesbia A. Joyce, land used for sidewalk	$35 00
George A. Croudis, damage to wagon and harness	10 00
Importers Outlet Co., erroneous assessment	6 06
Rose B. Connelley, fall on sidewalk	20 00
	$71 06

Decoration and Care of Soldiers' Graves.

Paid:

Frank O. Waterman, Quartermaster, Post 66, G. A. R., amount appropriated for Post	$300 00
Frederick J. Clifford, Quartermaster, Camp 31, Spanish War Veterans, amount appropriated for Camp	50 00
	$350 00

Fire Proof Vault.

Paid:

R. D. Glawson, stock and labor	$1,000 95
Medford Publishing Co., advertising	6 13
Medford Sewer Division, stock and labor	31 87
	$1,038 95

Insurance.

Paid:

Russell & Fairfield, blanket policy covering James Schoolhouse, etc	$409 05

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Interest.

Paid:

Medford Commissioners of Sinking Funds, on $18,000, 1 year, to July 1, 1911, at 4%....	$720 00
Medford Commissioners of Sinking Funds, on $4,000, 1 year, to Dec. 1, 1911, at 4%.....	160 00
Medford Commissioners of Sinking Funds, on $12,500, 1 year to July 15, 1911, at 4%...	500 00
Commonwealth of Massachusetts, on registered bonds.....	1,520 00
Old Colony Trust Co., certification of notes..	200 00
Medford Water Division, on $33,460.50, average cash balance during 1911, at 2%.....	669 21
Edward W. Hayes, City Collector, refund of interest through erroneous assessment.....	59
Robert J. Jones, refund of interest through erroneous assessment.....	20 25
Allston P. Joyce, City Clerk, on $7,100, certificates of indebtedness, (Secomb and Simonds Funds), Jan. 1, to Nov. 1, 1911....	261 49
Allston P. Joyce, City Clerk, income from Bradbury Fund, 1 year, to Nov. 11, 1911, for distribution as per order of the Board of Aldermen.....	454 58
Protestant Churches of Medford, on $5,000, (Hall Church Fund), Jan. 1, to Nov. 1, 1911, divided as follows:	
Mystic Church, 417 members.....	46 29
Baptist Church, 366 members.....	40 62
Methodist Church, 326 members.....	36 19
Episcopal Church, 285 members.....	31 63
Unitarian Church, 140 members.....	15 54
Universalist Church, 126 members.....	13 98
On Notes in Anticipation of Taxes as follows:	
Old Colony Trust Co., on $50,000, 273 days, and on $50,000, 304 days, at 3.27%.....	2,620 54
Bond & Goodwin, on $50,000, 238 days, at 3.46%.....	1,143 72

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Curtis & Sanger, on $50,000, 249 days, at 3.29%	$1,137 79
Blake Bros. & Co. on $50,000, 252 days, at 3.38%	1,183 00
Blake Bros. & Co., on $50,000, 190 days, at 3.53%	931 52
Massachusetts Bonding & Insurance Co., on $50,000, 8 months, 22 days, at 3.49%	1,269 97
Estabrook & Co., on $50,000, 265 days, at 3.58%	1,317 64
Coupons as follows:	
Coupons due Sept. 1, 1910, Public Building Loan	40 00
Coupons due Jan. 1, 1911, Public Building Loan	1,720 00
Coupons due Feb. 1, 1911, Public Building Loan	1,600 00
Coupons due Mar. 1, 1911, Public Building Loan	700 00
Coupons due May, 1, 1911, Public Building Loan	1,120 00
Coupons due July 1, 1911, Public Building Loan	1,720 00
Coupons due Aug. 1, 1911, Public Building Loan	1,600 00
Coupons due Sept. 1, 1911, Public Building Loan	700 00
Coupons due Nov. 1, 1911, Public Building Loan	1,120 00
Coupons due May 1, 1911, Schoolhouse Improvement Loan	280 00
Coupons due Nov. 1, 1911, Schoolhouse Improvement Loan	280 00
Coupons due Aug. 1, 1910, Schoolhouse Loan of 1908	120 00
Coupons due Feb. 1, 1911, Schoolhouse Loan of 1908	1,900 00
Coupons due Aug. 1, 1911, Schoolhouse Loan of 1908	1,900 00

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Coupons due Dec. 1, 1910, Notes.....	$50 00
Coupons due Jan. 1, 1911, Notes.....	2,400 64
Coupons due Feb. 1, 1911, Notes.....	610 00
Coupons due March 1, 1911, Notes.....	348 00
Coupons due Apr. 1, 1911, Notes.....	230 00
Coupons due May 1, 1911, Notes.....	498 75
Coupons due June 1, 1911, Notes.....	1,965 00
Coupons due July 1, 1911, Notes.....	2,360 64
Coupons due Aug. 1, 1911, Notes.....	610 00
Coupons due Sept. 1, 1911, Notes.....	348 00
Coupons due Oct. 1, 1911, Notes.....	230 00
Coupons due Nov. 1, 1911, Notes.....	562 75
Coupons due Dec. 1, 1911, Notes.....	1,965 00
Coupons due Jan. 1, 1911, Sewerage Loan...	1,620 00
Coupons due Feb. 1, 1911, Sewerage Loan...	3,220 00
Coupons due Apr. 1, 1911, Sewerage Loan...	400 00
Coupons due July 1, 1911, Sewerage Loan...	1,620 00
Coupons due Aug. 1, 1911, Sewerage Loan...	3,180 00
Coupons due Oct. 1, 1911, Sewerage Loan...	400 00
Coupons due Nov. 1, 1910, Municipal Loan..	300 00
Coupons due Jan. 1, 1911, Municipal Loan...	2,000 00
Coupons due May 1, 1911, Municipal Loan...	3,960 00
Coupons due July 1, 1911, Municipal Loan...	1,800 00
Coupons due Nov. 1, 1911, Municipal Loan..	3,940 00
Coupons due March 1, 1911, Sewerage Loan Act of 1909.....	400 00
Coupons due May 1, 1911, Sewerage Loan Act of 1909.....	100 00
Coupons due Sept. 1, 1911, Sewerage Loan Act of 1909.....	400 00
Coupons due Nov. 1, 1911, Sewerage Loan Act of 1909.....	100 00
Coupons due Aug. 1, 1910, Park Loan.....	40 00
Coupons due Jan. 1, 1911, Park Loan.....	340 00
Coupons due Feb. 1, 1911, Park Loan.....	120 00
Coupons due July 1, 1911, Park Loan.....	340 00
Coupons due Aug. 1, 1911, Park Loan.....	120 00
Coupons due May 1, 1911, Playground Loan...	180 00
Coupons due June 1, 1911, Playground Loan..	180 00

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Coupons due Nov. 1, 1911, Playground Loan..	$180 00
Coupons due Dec. 1, 1911, Playground Loan..	180 00
Coupons due May 1, 1911, Lincoln Schoolhouse Loan.....	900 00
Coupons due Nov. 1, 1911, Lincoln Schoolhouse Loan.....	900 00
Coupons due Dec. 1, 1910, City Stable Loan...	20 00
Coupons due June 1, 1911, City Stable Loan...	300 00
Coupons due Dec. 1, 1911, City Stable Loan...	300 00
	$68,813 33

Interest on Water Debt.

Paid:

Coupons due Oct. 1, 1910.....	$20 00
Coupons due Jan. 1, 1911.....	2,260 00
Coupons due Apr. 1, 1911.....	560 00
Coupons due June 1, 1911.....	500 00
Coupons due July 1, 1911.....	2,180 00
Coupons due Oct. 1, 1911.....	540 00
Coupons due Dec. 1, 1911.....	500 00
Coupons due June 1, 1911, from Notes.....	300 00
Coupons due Dec. 1, 1911, from Notes.....	300 00
	$7,160 00

Lorin L. Dame Schoolhouse.

Paid:

George H. Archibald, laying floor.....	$85 00
Boston & Maine Railroad, freight.....	18 30
	$103 30

Metropolitan Park Tax.

Paid:

Commonwealth of Massachusetts,	
Metropolitan Park Loan Sinking Fund.....	$1,389 90
Interest on.....	3,888 88
Cost of Maintenance.....	4,975 41
Serial Bonds.....	22 84
Metropolitan Park Loan Sinking Fund, Series 2.....	884 97

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Interest on	$2,637 70
Cost of Maintenance	2,723 66
Metropolitan Park Loan, Nantasket,	
Cost of Maintenance	264 36
	$16,787 72

Metropolitan Sewer Tax.

Paid:	
Commonwealth of Massachusetts,	
Metropolitan Sewerage Loan Sinking Fund,	
North Metropolitan System	$5,543 65
Interest on	10,083 71
Cost of Maintenance	6,636 09
	$22,263 45

Metropolitan Water Tax.

Paid:	
Commonwealth of Massachusetts,	
Metropolitan Water Loan Sinking Fund	$6,662 23
Interest on	18,303 25
Cost of Maintenance	5,129 11
Serial Bonds	64 64
	$30,159 23

Middlesex Avenue Bridge Assessment.

Paid:	
Commonwealth of Massachusetts, special	$1,237 26

Middlesex County Tax.

Paid:	
J. O. Hayden, County Treasurer, tax 1911	$21,561 17

Miscellaneous Account.

Paid:	
Myrta A. Dunn, services as Mayor's stenographer, 1 year, to Jan. 1, 1912	$600 00
Myrta A. Dunn, car fares, etc.	1 00

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J. C. Miller, Jr., printing	$119 25
Ellen M. Gill, flowers at inaugural	16 00
William F. Bartlett, refreshments at inaugural	160 00
George H. Archibald, carpentry	2 50
Frank H. Peak, stationery	3 50
J. Henry Norcross, postage stamps	26 00
Frank P. Peirce, services at inaugural	5 00
Allston P. Joyce, cash paid for sundries for inaugural	9 73
W. F. Leahy, cigars	4 00
George W. Hersey, photographs	4 50
John W. Enright, cigars	13 58
Medford Publishing Co., subscription for Medford Mercury, 1 year, to Jan. 1, 1912	2 00
Medford Ice Co., ice	200 00
Dwight O. Collins, horse hire	14 00
Post 66, G. A. R., special car, May 30	6 00
Grace S. Byron, clerical work	8 25
Malden Electric Co., fan	14 00
Peter F. Lenox, rent of barn for pound, 1 year, to Jan. 1, 1912	25 00
American Express Co., expressing	20
McClellan's Express, expressing	7 75
Welch's Express, expressing	30
F. W. Barry, Beal & Co., index	60
Mary B. Montague, typewriting	9 36
Adams, Cushing & Foster, stationery	2 45
Security Safe Deposit Co., use of safe	60 00
Elder, Brackett, & Hallett stamped envelopes, blank forms	33 73
Remington Typewriter Co., paper ribbons	9 05
Edwin O. Child, Register, certified copies	4 99
Globe Stamp Works, stamps	35
H. B. McArdle, office supplies	3 32
N. E. Druggist Pub. Co., reprints of reports	35 20
West Pub. Co., book on Tax Titles	6 00
Henry C. Baldwin, M.D., professional services	10 00
Asa R. Minard & Co., printing	6 00

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Macey-Stetson-Morris Co., cabinet folders	$8 24
J. H. Thompson, horse hire	2 50
Julius A. Zinn, seal of flowers	50 00
Frederick Eeles Co., binding books	5 75
Thorp & Martin Co., file	40
Bank & Office Equipment Co., cabinet	38 00
American Lunch Co., food furnished firemen at opera house fire	1 50
	$1,530 00

Miscellaneous Credits.

Paid:

George Nichols Co., burials, agents' fees	$74 00
George E. Holbrook, burial, agents' fee	37 00
Edward J. Gaffey, burial, agents' fee	37 00
B. A. & C. E. Tripp, burial, agent's fee	37 00
C. Sargent & Co., burial	35 00
Benj. F. Jones, burial	35 00
G. F. McKenna & Son, burial	35 00
W. H. Graham, burial	35 00
Robert M. Spinney, agents' fees	8 00
Commonwealth of Massachusetts, on liquor licenses	3 75
Edward W. Hayes, City Collector, refund of costs through erroneous assessment	9 60
Robert J. Jones, refund of costs on account of erroneous assessment	4 90
	$351 25

Mystic Valley Improvement.

Paid:

Medford Publishing Co., advertising	$7 10
P. H. Byron, teaming	12 50
Myrta A. Dunn, typewriting	1 25
Edward P. Adams, expenses	5 00
	$25 85

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Notes in Anticipation of Taxes.

Paid:	
No. 7-12 inclusive, due Jan. 20, 1911	$50,000 00
No. 13-16 inclusive and 18-19, due Feb. 20, 1911	50,000 00
No. 27-31 inclusive, due Mar. 20, 1911	50,000 00
No. 25-26, due April 10, 1911	20,000 00
No. 32-33, due April 20, 1911	25,000 00
No. 34-35, due May 29, 1911	50,000 00
No. 36-38, due Nov. 17, 1911	50,000 00
No. 42-44, due Nov. 28, 1911	50,000 00
No. 39-41, due Dec. 18, 1911	50,000 00
	$395,000 00

Payment of City Debt.

Paid:	
Water Fund Bonds, No. 49, 50, 51, 52, due Jan. 1, 1911	$4,000 00
Certificates of Indebtedness due Feb. 1, 1912	37,294 42
26 Public Building Loan Bonds, due July 1, 1911	26,000 00
Note due Jan. 1, 1912, No. 49	2,000 00
Cost of preparation and certification of School Loan of 1911 Bonds	160 00
Cost of preparation and certification of Charles River Basin Assessment Loan Notes and Sidewalks and Edgestone Bonds	85 00
	$69,539 42

Perpetual Care Fund.

Paid:	
Medford Commissioners of Sinking Funds, amount received in 1911	$761 00

Rifle Practice.

Paid:	
Company E, 5th Inf., M. V. M., expenses for 1911	$250 00

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Safe and Equipping Vault.

Paid:	
Bank & Office Equipment Co., as per contract.	$737 00
Oliver Whyte Co., railing, labor	107 50
Warren H. Keay, stock and labor painting	52 63
Andrew Dutton, shades	6 75
William E. Ober, electrical supplies	67 12
Geo. H. Archibald, carpentry	141 25
Page & Curtin, stock and labor	10 10
Welch's Express, expressing	1 50
McClellan's Express, moving furniture	42 50
	$1,166 35

Salaries.

One year to Jan. 1, 1912, unless specified.

Paid:	
Charles S. Taylor, Mayor	$994 62
Archibald L. Jackson, Mayor's Clerk	700 00
Edward E. Elder, City Solicitor	800 00
Fred R. Charnock, City Engineer	1,400 00
Michael A. Hernan, City Messenger	1,200 00
George Henry Packard, City Physician, Jan. 1, to March 6, 1911	54 03
Richard A. Drake, City Physician, March 6, 1911, to Jan. 1, 1912	245 97
Edward W. Mitchell, Clerk of Committees	450 00
Harrie W. Peirce, Inspector of Animals	100 00
William F. Leahy, Registrar of Voters	100 00
John F. Leahy, Registrar of Voters	100 00
Nahum E. Wilbur, Registration of Voters	100 00
Allston P. Joyce, Clerk of Registrars	125 00
Everard I. Langell, Treas., of Sinking Funds	450 00
Willard Dalrymple, Sec'y. of Commissioners of Sinking Funds	50 00
Harry J. Newhall, Fish Committee	10 00
Nason B. Cunningham, Fish Committee	10 00
Reuben M. Pitman, Fish Committee, Jan. 1, to April 28, 1911	3 25

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John F. Reilly, Fish Committee, April 28, 1911, to Jan. 1, 1912	$6 75
Peter F. Lenox, Pound Keeper	25 00
	$6,924 62

Schoolhouses and Land.

Paid:

Philip Dexter, guardian of Helen Hooper Brown, land between Harvard and Yale Sts.	$8,640 00
Arthur W. Wellington, land on Third and Fourth streets	3,346 00
Frank E. Chandler, land on Hancock Ave.	1,524 11
Josiah R. Teel and Geo. T. Sampson, Exors., land on Hancock Ave., and taxes for 1911	1,527 56
Nathaniel M. Safford, land on Paris St., and part of taxes	1,006 64
Edward W. Hayes, City Collector, taxes on land on Harvard St., assessed to Helen Hooper Brown	146 47
Charles B. Dunham, plans and specifications of Osgood Schoolhouse	1,210 92
Dinsmore and Le Clear, services in connection with Heating and Ventilating System, Osgood Schoolhouse	154 35
Daniel L. Shepard, on contract for building Osgood Schoolhouse, extra work on drain	13,092 00
William P. Kane, on contract for plumbing Osgood Schoolhouse	670 00
Charles B. Dunham, plans and specifications of Curtis Schoolhouse	1,181 28
Daniel L. Shepard, on contract for building Curtis Schoolhouse	11,915 00
Dinsmore & Le Clear, services in connection with Heating and Ventilating System, Curtis Schoolhouse	153 30
Medford Pub. Co., advertising proposals	21 01
Medford Highway Dept., labor, stone bounds	12 47
Middlesex Registry of Deeds, recording papers	2 36
Locke Coal Co., coal	6 25
Elder, Brackett & Hallett, recording papers	4 70
	$44,614 42

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Sinking Funds.

Paid:

Medford Commissioners of Sinking Funds, amount appropriated for Sinking Funds requirements for 1911	$37,510 41
Medford Commissioners of Sinking Funds, premium on five Medford Sewerage Loan Act of 1909 Bonds	330 00
	$37,840 41

Soldiers' Relief.

Paid:

Sundry persons, cash allowance	$2,662 00
Edward W. Hayes, salary as agent, 1 year to Jan. 1, 1912	50 00
	$2,712 00

Spot Pond Suit Expenses.

Paid:

Charles E. Shattuck, ½ additional compensation of Auditor in Reddy, vs. Medford ½ expense of copies of report	$39 68
Thomas F. Reddy, amount agreed upon as a compromise for services and expenses in the Spot Pond case	2,800 00
	$2,839 68

State Highway Tax.

Paid:

Commonwealth of Massachusetts	$43 00

State Tax.

Paid:

Commonwealth of Massachusetts	$33,770 00

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Telephones—City Hall.

Paid:

New England Telephone & Telegraph Co., rental and tolls, January 1, 1911, to December 1, 1911	$317 40

ASSESSING DEPARTMENT.

Salaries of Assessors and Clerks.

One Year to Jan. 1, 1912.

Paid:

Henry Withington	$650 00
Edward S. Randall	650 00
Irvin E. Peak	650 00
Susan F. Chapin	700 00
	$2,650 00

Assessors' Expenses.

Paid:

William S. Child, services as assistant assessor, car fares	$153 70
Henry T. Child, services as assistant assessor	103 50
Fred G. Joyce, services as assistant assessor	94 50
Susan F. Chapin, car fares, expenses	32 68
Helen W. Mitchell, clerical work	268 26
Ruth E. Thomas, clerical work	132 13
Ruth A. Lafricain, clerical work	6 00
Frank C. Litchfield, clerical work	12 00
Ethel W. Hersey, clerical work	21 00
Medford Publishing Co., subscription for Medford Mercury, 1 year, to Jan. 1, 1912, advertising	18 00
J. C. Miller, Jr., printing	441 30
Dwight O. Collins, horse hire	58 00
Warren H. Keay, lettering signs	3 50
James L. Sinclair, keys	85
A. W. Brownell, notices	5 75

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Adams, Cushing & Foster, valuation books..	$112 75
Henry H. Applin, taking off numbers.....	11 36
G. H. Flint, pens.....	1 50
H. B. McArdle, ink, stationery.....	7 42
Probate office, Middlesex County, copy of will.	10 80
The Banker & Tradesman, subscription.....	5 00
	$1,500 00

AUDITING DEPARTMENT.

Salary of City Auditor.

One Year, to Jan. 1, 1912.

Paid:

George D. Cummings.....	$1,200 00

Auditing Department Expenses.

Paid:

Helen W. Mitchell, clerical work.....	$63 13
Ruth Thomas, clerical work.....	6 75
Elsie E. Caughlan, clerical work.....	38 47
Alice J. Cummings, clerical work.....	9 00
C. H. Tinkham, index book.....	35
J. C. Miller, Jr., printing.....	81 90
J. Henry Norcross, postage stamps.....	30 00
Frank H. Peak, index books.....	1 50
Geo. D. Cummings, cash paid for sundries...	2 95
Pinder's Express, expressing.....	15
Globe Stamp Works, stamps.....	40
Adams, Cushing & Foster, stationery.....	5 55
H. B. McArdle, ink stand.....	1 50
	$241 65

Printing Reports.

Paid:

Helen W. Mitchell, reading proof.....	$2 00
New England Druggist Publishing Co., printing reports and debt statements.....	620 85

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George D. Cummings, supervising publication of annual reports	$50 00
Frederick Eeles Co., binding	21 84
American Express Co., expressing	7 21
Welch's Express, expressing	2 50
Medford Pub. Co., advertising	3 50
	$707 90

CEMETERY DEPARTMENT.

Salaries of Trustees of Cemeteries.

One year, to Jan. 1, 1912.

Paid:

Barker B. Howard, Chairman	$100 00
Oscar H. Allen	50 00
Harry Highley	50 00
	$200 00

Care of Cemeteries.

Paid:

Superintendent and workmen, as per pay rolls	$6,341 28
Allston P. Joyce, salary as clerk, 1 year, Jan. 1, 1912	125 00
Edward W. Mitchell, cash paid for freight, lighting, etc.	29 88
Frank H, Peak, stationery	3 02
Joseph S. French, teaming manure	125 77
J. N. Cowin & Co., hay, grain	454 05
Warren H. Keay, painting	32 07
Walker & Viles, shoeing, repairing tools	51 70
C. H. Hartshorn, harness repairs	21 40
H. F. Walker, shoeing, repairing	130 05
Medford Water Div., water	90 00
W. F. Leahy, overalls, gloves	10 40
J. E. Sweeney, carpentry	28 00
James L. Sinclair, hardware, fertilizer	376 38
Page & Curtin, hardware, labor	32 84

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Thomas F. Connors, police service	$3 00
Jeremiah J. Hartnett, police service	3 00
John H. Frazier, police service	3 00
J. C. Miller, Jr., binding, printing	33 50
C. H. Tinkham, photo materials	14 64
Ellen M. Gill, plants	57 83
A. H. Kennedy, ploughing	15 00
J. O. Goodwin & Co., insurance	16 00
Medford Street Watering Acct., calcium chloride	21 33
Boston & Maine R.R., freight	5 70
American Express Co., expressing	35
Savage's Express, expressing	1 30
Pinder's Express, expressing	7 40
Welch's Express, expressing	5 75
New England Telephone & Telegraph Co., rental and tolls, Dec., 1910, to Dec., 1911	40 24
R. J. Haight, subscription for "Park and Cemetery and Landscape Gardening."	1 00
Puritan Iron Works, stable fittings	6 40
Henry J. Winde, lumber	22 99
Francis Doane & Co., ledger	1 25
Geo. W. Blanchard & Co., lumber	31 84
Peter Henderson & Co., garden tools	7 95
Adams, Cushing & Foster, record book	1 60
Charles W. Sabin, harness supplies	61 45
Ames Implement & Seed Co., implements	16 23
Thomas J. Grey Co., stone, seeds, fertilizer	90 39
Chandler & Farquhar Co., die stock and set	6 65
Waldo Bros., cement and teaming	40 50
F. W. Gibbons & Co., potatoes	10 50
Dutton & Clarke, filing saw	50
W. W. Rawson, plants	200 10
J. W. Howard, plants	213 44
Chas. R. Fish & Co., shrubs	115 50
William Leavens & Co., reed rockers	9 00
C. H. Batchelder, awning	20 00
Walworth Mfg. Co., pipe	8 72
Atlantic Junk Co., canvass	36 00
Wetherbee & Whitney, electric switches	3 60
	$8,985 49

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CITY CLERK'S DEPARTMENT.

Salary of City Clerk.

One year, to Jan. 1, 1912

Paid:	
Allston P. Joyce	$1,500 00

City Clerk's Department Expenses.

Paid:	
Ella S. Hinckley, City Clerk's Assistant, salary 1 year, to Jan. 1, 1912	$750 00
Helen P. Wild, clerical work	117 58
Elsie E. Coughlan, clerical work	105 89
Fred G. Joyce, posting notices	4 50
Allston P. Joyce, express, car fares, etc	36 92
J. C. Miller, Jr., printing	174 65
Medford Historical Society, subscription to Historical Register	1 00
Medford Publishing Co., subscription to Medford Mercury, 1 year to Jan. 1, 1912, advertising	6 50
C. H, Tinkham, paste, seals	3 88
James L. Sinclair, tacks	40
New England Railway Publishing Co., railway guide	3 00
Frank H. Peak, stationery	80
Pinder's Express, expressing	15
New England Telephone & Telegraph Co., rental and tolls, Dec. 1910, to Dec. 1911	26 44
Adams, Cushing & Foster, stationery	13 45
T. F. Pedrick, subscription to Legislative Bulletin	2 00
Jas. J. Shannon & Co., paper, typewriter repairs	13 15
Henry M. Meek, Publishing Co., directory	3 00
W. A. Greenough & Co., index cards, directories	10 50
	$1,273 81

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Canvassing Births.

Paid:

George Henry Packard, reporting births 1910	$3 25
Norman F. Chandler, reporting births 1910	3 00
James E. Cleaves, reporting births 1910	4 25
Mary W. Clark, reporting births 1910	3 25
Edward W. Barrett, reporting births 1910	3 00
George W. Mills, reporting births 1910	5 25
J. W. Bean, reporting births 1910	4 75
Charles R. Draper, reporting births 1910	5 50
Patrick F. Gahan, reporting births 1910	22 25
Charles F. Maguire, reporting births 1910	7 00
William H. McBain, reporting births, 1910	50
George L. Farrell, reporting births 1910	1 00
Leonard H. Pote, reporting births 1910	2 50
Henry C. Hache, reporting births 1910	5 75
Charles J. Walsh, reporting births 1910	25
H. A. Walker, reporting births, 1910	3 25
D. D. Nalchajian, reporting births 1910	75
George E. Sherman, reporting births 1910	25
Edward J. Gaffey, reporting deaths, 1910	10 00
George E. Holbrook, reporting deaths, 1910	5 25
Holbrook & Fessenden, reporting deaths, 1910	1 75
George Nichols Co., reporting deaths, 1910	23 75
John Byrant's Sons, reporting deaths, 1910	3 75
J. E. Henderson & Co., reporting deaths, 1910	50
J. Henry Hartwell & Son, reporting deaths, 1910	75
Fred G. Joyce, canvassing births	116 25
Helen T. Wild, clerical work	16 63
Elsie E. Caughlan, clerical work	49 25
J. C. Miller, Jr., printing	45 15
	$348 78

Election Expenses.

Paid:

Election Officers, as per pay rolls	$1,029 00
J. C. Miller, Jr., printing	475 80

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Fred G. Joyce, posting notices, work on ballot boxes	$93 00
James L. Sinclair, hardware	2 75
Medford Pub. Co., advertising	69 00
Elsie E. Caughlan, clerical work	28 13
J. Strachan, oil, chimney	66
Dwight O. Collins, horse hire	23 50
E. J. Hervey Co., candles	9 30
C. H. Tinkham, pencils	1 20
Frank H. Peak, pencils	1 20
J. Everett Peirce, services at Polling place	2 00
Post 66, G. A. R., use of hall	37 50
J. E. Ober & Son, use of hall	45 00
Frank H. Piper, use of hall	20 00
Henry Risman, use of store	37 50
W. W. Stevens, delivering and collecting ballot boxes	57 00
Thomas A. Qualey, care of ward room	7 50
William R. Ordway, care of ward room	7 50
Frank Samson, care of ward room	7 50
Paul G. Bickford, care of ward room	7 50
Allston P. Joyce, cash paid for sundries	5 65
George H. Archibald, carpentry	72 16
Simon White, stock and labor	9 00
Malden Electric Co., light	2 35
Globe Stamp Works, stamps	1 00
American Lunch Co., food furnished	3 60
	$2,056 30

Printing and Advertising Ordinances.

Paid:

Medford Pub. Co., advertising	$11 50
J. C. Miller, Jr., printing	14 75
	$26 25

State Aid.

Paid:

Sundry persons, as per pay rolls	$5,403 00

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COLLECTING DEPARTMENT.

Salary of City Collector.

One Year to Jan. 1, 1912.

Paid:	
Edward W. Hayes	$1,350 00

Collecting Department Expenses.

Paid:	
Clara B. Orcutt, salary as clerk, 1 year, to Jan. 1, 1912	$750 00
Ethel W. Hersey, clerical work	206 26
Frank C. Litchfield, clerical work	71 50
Ruth E. Thomas, clerical work	31 25
Ruth A. Lafricain, clerical work	27 00
Ellen R. Hayes, clerical work	32 00
George H. Archibald, carpentry	3 59
M. A. Hernan, posting notices	4 00
Edward W. Hayes, cash paid for stamps, fares, recording deeds	396 01
Frank H. Peak, stationery	20
J. C. Miller, Jr., printing	78 15
Medford Pub. Co., advertising	261 25
A. B. Morss, tax bills	85 00
C. H. Tinkham, office supplies	50
E. J. Hervey Co., box	10
Welch's Express, expressing	1 15
Pinder's Express, expressing	30
Adams, Cushing & Foster, shears, stationery	87 20
G. H. Flint, pens	3 15
H. C. Derby, pads, daters	1 45
Hobbs & Warren Co., stationery	3 44
Curtis W. Nash, examining titles	25 00
A. R. Andrews, paper	4 05
Dwight O. Collins, horse hire	3 00
N. E. Druggist Pub. Co., printing	10 10
Gertrude W. Bowen, examination of titles	30 00
Elder, Brackett & Hallett, court fee	3 00

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James L. Sinclair, japalac	$ 77
Mosher Safe Co., changing combinations etc.	2 50
Wm. Leavens & Co., desk	8 00
Remington Typewriter Co., repairs	14 28
Francis Pratt, pens	1 50
H. M. Meserve & Co., pad	35
	$2,146 05

Income from Estates taken for Taxes.

Paid:

James Morrison, insurance, repairs	$38 56
Medford Water Division, water	26 53
F. A. Barrows & Co., plumbing repairs	13 20
S. W. Stack & Son, labor, oil	1 74
Wm. S. Richards, labor, oil	26 06
Keene Electric Co., repairing lock	50
Wm. Johnson, repairing	11 25
Albert D. Grover, repairing	10 35
Boston Vermicide Co., work at No. 28 Canal Street	20 00
W. H. Babb, cash paid for repairs	9 32
Otto J. C. Neilson, stock and labor	17 80
Harry F. Bailey, damages and costs	225 44
Thomas G. Washburn, damages and costs	100 44
R. D. Glawson, papering and plastering	8 25
George H. Archibald, carpentry	19 97
	$529 41

ELECTRICAL DEPARTMENT.

Salary of Superintendent of Wires and Gas Fittings.

One Year to Jan. 1, 1912.

Paid:

Henry A. Gaffney	$1,200 00

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Estates Bought at Sale for Taxes. Paid Edward W. Hayes, City Collector.

Assessed to	Property	Year	Taxes	Interest	Costs	Watering Assessment	Gypsy and B. T. M. Assessment	Total
James O. Goodwin	Cor. Terrace Rd. and Governor's Ave.	1905	$8.56	$5.41	$9.00			$22.97
" " "	" " " " " "	1906	8.08	4.22	7.00			19.30
" " "	" " " " " "	1907	8.00	2.00				10.00
City of Medford	" " " " " "	1908	8.32	1.36				9.68
" " "	" " " " " "	1909	8.08	.72				8.80
" " "	" " " " " "	1910	8.40	.08				8.48
Samuel D. Haley	Lot 9, Lawn Park	1905	3.21	3.35	9.00			15.56
" " "	" " "	1906	3.03	2.62	7.00			12.65
City of Medford	" " "	1907	3.00	.75				3.75
" " "	" " "	1908	3.12	.51				3.63
" " "	" " "	1909	2.02	.18				2.20
" " "	" " "	1910	2.10	.02				2.12
Samuel D. Haley	Lot 8, " "	1905	3.21	3.36	9.20			15.77
" " "	" " "	1906	3.03	2.70	7.20			12.93
City of Medford	" " "	1907	3.00	.75				3.75
" " "	" " "	1908	3.12	.51				3.63
" " "	" " "	1909	2.02	.18				2.20
" " "	" " "	1910	2.10	.02				2.12
Samuel H. Hellen	5320 ft., Paris St.	1905	9.63	6.27	9.00	.80		25.70
" " "	" " " "	1906	9.09	5.08	7.20	.80		22.17
City of Medford	" " " "	1907	9.00	2.46		.80		12.26
" " "	" " " "	1908	9.36	1.77		1.12		12.25
" " "	" " " "	1909	9.09	.93		1.12		11.14
" " "	" " " "	1910	9.45	.11		1.12		10.68
A. Selwyn Lynde	Lot 9, Gypsy Lane	1905	5.35	4.18	9.00			18.53
" " "	" " "	1906	5.05	3.12	7.00			15.17
City of Medford	" " "	1907	5.00	1.25				6.25

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Estates Bought at Sale for Taxes—Continued. Paid Edward W. Hayes, City Collector.

Assessed to	Property	Year	Taxes	Interest	Costs	Watering Assessment	Gypsy and B. T. M. Assessment	Total
City of Medford	Lot 9, Gypsy Lane	1908	$5.20	.88	.....	.....	.....	$6.08
" " "	" " "	1909	5.05	.45	.....	.....	.....	5.50
" " "	" " "	1910	5.25	.05	.....	.....	.....	5.30
Lucy E. Gray and Heirs of Amelia J. Oliver	3837 ft., rear Fellsway West	1905	2.14	2.91	$9.00	.....	.....	14.05
Lucy E. Gray and Heirs of Amelia J. Oliver	" " " " "	1906	2.02	2.32	7.00	.....	.....	11.34
City of Medford	" " " " "	1907	2.00	.50	.....	.....	.....	2.50
" " "	" " " " "	1908	2.08	.34	.....	.....	.....	2.42
" " "	" " " " "	1909	2.02	.18	.20	.....	.....	2.40
" " "	" " " " "	1910	2.10	.02	.....	.....	.....	2.12
William M. Paul	Land and Bldgs, No. 30-32 Canal St.	1905	59.92	26.43	9.00	.....	.....	95.35
" " "	" " " " " " "	1906	60.60	22.50	7.20	.....	.....	90.30
City of Medford	" " " " " " "	1907	60.00	15.05	.....	.....	.....	75.05
" " "	" " " " " " "	1908	62.40	10.95	.....	$1.40	.....	74.75
" " "	" " " " " " "	1910	63.00	.70	.....	1.40	.....	65.10
William M. Paul	" " " 26-28 " "	1905	59.92	26.43	9.00	.....	.....	95.35
" " "	" " " " " "	1906	60.60	22.42	7.00	.....	.....	90.02
City of Medford	" " " " " "	1907	60.00	15.05	.....	.....	.....	75.05
" " "	" " " " " "	1908	62.40	10.91	.....	1.43	.....	74.74
" " "	" " " " " "	1910	63.00	.70	.....	1.43	.....	65.13
Harlow H. Rogers	304 ft. Alfred St.	1905	1.07	2.45	9.00	.....	.....	12.52
" " "	" " " "	1906	1.01	1.83	7.00	.....	.....	9.84
City of Medford	" " " "	1907	1.00	.25	.....	.....	.....	1.25
" " "	" " " "	1908	1.04	.17	.....	.....	.....	1.21
" " "	" " " "	1909	1.01	.09	.....	.....	.....	1.10
" " "	" " " "	1910	1.05	.01	.....	.....	.....	1.06

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Estates Bought at Sale for Taxes—Continued. Paid Edward W. Hayes, City Collector.

Assessed to	Property	Year	Taxes	Interest	Costs	Watering Assessment	Gypsy and B. T. M. Assessment	Total
Catherine Donahue	4,062 ft., Dewey Ave	1909	$4.04	.32	$4.70	.52		$9.58
Frederick L. Conway	3,150 ft., William St	1909	9.09	.66	4.70			14.45
Samuel Lynds	2,809 ft., Leyden St	1909	3.03	.22	4.90			8.15
Thomas A. Matthews	2,240 ft., Middlesex Fells Parkway	1909	5.05	.37	4.70			10.12
" " "	570 " " " "	1909	1.01	.07	4.70			5.78
Johanna Sullivan	8,185 ft., Paris St	1909	13.13	1.10	4.90	1.75		20.88
" "	7,760 ft., Fellsway West	1909	16.16	1.24	4.70	.74		22.84
Ralph E. Thomas	1,050 ft., Hillside Rd	1909	2.02	.15	4.70			6.87
Mary A. Leary	Land and Bldg., No. 422 High St	1909	77.77	5.77	4.90	1.92		90.36
" " "	5,530 ft., pt. lot 17, High St	1909	13.13	.94	4.70			18.77
" " "	Land and Bldg., No. 428 " "	1909	49.49	3.78	4.70	2.56		60.53
Heirs of Peter E. Donahue	2,440 ft., Middlesex Fells Parkway	1909	3.03	.16	4.20			7.39
Walter A. Rice	4,852 ft., rear Foster's Ct	1909	1.01	.05	4.20			5.26
City of Medford	2 65-100A. Governor's Ave. on Border Rd.	1909	53.53	6.10	4.00			63.63
" " "	3 65-100A. " " "	1909	73.73	8.39	4.00			86.12
" " "	Land and Bldg. No. 65 Summer St., corner Walnut St	1909	60.60	7.65	4.00	5.92	.53	78.70
" " "	1 26-100A. off Governor's Av. on Border Rd	1909	25.25	2.85	4.00			32.10
" " "	2 93-100A. " " " " " "	1909	47.47	5.41	4.00			56.88
City of Medford	Land and Building, No. 69 Marion St	1910	54.60			2.27		56.87
" " "	" " " " " "	1911	51.48			2.27		53.75
" " "	Land and Bldg., Nos. 10–12 Newbern Ave.	1910	79.80			1.47		81.27
" " "	" " " " " "	1911	76.23			1.47		77.70
								$2,041.22

SUMMARY OF ESTATES TAKEN OR BOUGHT AT SALE FOR TAXES.

	Cost to the City.	Amount Redeemed.
1893	$329.25	$102.40
1899	175.10	
1900	47.80	23.07
1901		27.64
1902	116.59	8.53
1903	749.34	741.37
1904	645.15	
1905	1,012.52	204.74
1906	34.42	1,046.47
1907		
1908	33.31	449.55
1909	5,236.35	733.30
1910	1,140.48	2,697.28
1911	2,041.22	1,079.30
	$11,561.53	$7,113.65

Total cost to City	$11,561.53
Total amount redeemed	7,113,65
Unredeemed	$4,447.88
Between 1899 and 1909 the City appropriated $1,800.00, and of this amount $1,160.29 was either returned to the Treasury or transferred to other accounts, leaving the net appropriation applicable	$639.71
Balance according to the books of this office Jan. 1, 1912	$3,808.17

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Electrical Department Expenses.

Paid:

Henry A. Gaffney, cash paid for postage	$2 00
Medford Highway Dept., board of horse, shoeing, repairs	219 85
James L. Sinclair, washers, spikes	69
Walker & Viles, wagon repairs	17 50
John A. Morgan, medicine	85
N. E. Telephone & Telegraph Co., rental and tolls, 1 year, to Dec. 1, 1911	28 65
E. Teel & Co., lettering buggy	3 60
J. C. Miller, Jr., printing	7 40
B. F. Samson & Co., ointment	50
Chas. A. Lucia, lap robe, boot	5 90
Frank H. Peak, stationery	2 80
McClellan's Express, expressing	5 40
Welch's Express, expressing	15
American Express, expressing	1 80
Electric Economy Co., transformer	8 50
James Forgies Sons, absorbine	1 75
The Gamewell Fire Alarm Tel. Co., adjusting police signal	11 85
Stuart-Howland Co., electrical supplies	12 15
	$331 34

Repairing Fire Alarm System.

Paid:

Workmen, as per pay rolls	$272 38
James L. Sinclair, hardware, batteries	25 11
E. Teel & Co., paint	7 50
Malden Electric Co., wires, clamps	1 24
Wellman Co., repairing tools	1 50
William S. Richards, stock and labor	78
Daniel N. Howard, rubber gloves	1 00
George H. Archibald, stock and labor	4 59
H. F. Walker, painting	4 00
Richard A. Drake, professional services	5 00
Holt & Beebee, lamps	8 00
Stuart-Howland Co., wire	65 05

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The Gamewell Fire Alarm Tel. Co., elements, terminals	$106 95
R. W. Le Baron, repairing police signal	6 50
Boston & Maine R. R., freight	32
Welch's Express, expressing	2 35
McClellan's Express, expressing	2 00
	$514 27

Street Lights.

Paid:

Malden Electric Co., lighting, as per contract	$21,813 32
McKenney & Waterbury Co.	6 00
Medford Electric Dept., care of team, shoeing	16 50
	$21,835 82

ENGINEERING DEPARTMENT.

Paid:

Engineers' assistants, as per pay rolls	$1,962 50
Fred R. Charnock, car fares, sundries	132 80
George H. Archibald, carpentry	28 90
J. C. Miller, Jr., printing	18 25
C. H. Tinkham, photo work, regulating clock	4 73
Medford Pub. Co., subscription for Medford Mercury, 1 year, to Jan. 1, 1911	2 00
W. E. Bentley, plates, prints	5 10
S. White, rubber boots	5 00
James L. Sinclair, hardware	9 28
William E. Ober, wiring	11 33
New England Telephone & Telegraph Co., rental and tolls, Dec., 1910 to Dec., 1911	26 09
Pinder's Express, expressing	15
Welch's Express, expressing	60
Ledder & Probst, prints, paper	47 36
B. L. Makepeace, prints	4 63
Page & Curtin, tools	1 10
N. E. Druggist Pub. Co., printing	11 10
Thorp & Martin Co., stationery	3 00

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Adams, Cushing & Foster, stationery	$30 57
George Holzworth, work on transit	1 50
Old Corner Book Store, book	5 00
Andrew Dutton, shades and fixtures	2 25
Library Bureau, cards	3 50
Engineering and Contracting, subscription	2 00
Underwood Typewriter Co., ribbon	1 00
	$2,319 74

FIRE DEPARTMENT.

Salaries of Engineers and Firemen.

One Year, to Jan. 1, 1912.

Paid:

Chief engineer and permanent men, as per pay rolls	$14,704 97
Hook and Ladder Co.	1,485 58
Hose Co., No. 1	1,366 00
Hose Co., No. 4	586 22
Combination A. Co.	760 00
Combination B, Co.	569 00
Combination C, Co.	912 00
Jude C. Clark, assistant engineer	168 67
Frank O. Waterman, assistant engineer	202 00
Peter F. Lenox, stoker	152 00
	$20,906 44

Decoration of Firemen's Graves.

Paid:

John Smith, treasurer, amount appropriated	$50 00

Horses, Hose and Repairs.

Paid:

Welch & Hall Co., horse	$315 00
J. E. Sweeney, stock and labor	74 00
Medford Ice Co., horse	350 00

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F. M. Viles, horse	300 00
Wm. S. Richards, hardware, labor	91 00
Otto J. C. Neilson, labor, supplies	1 05
Stone, Timlow & Co., chime valve	28 68
Medford Electrical Dept., labor	16 87
O. F. Kress & Son, bells	80 00
George H. Archibald, stock and labor	23 30
Warren H. Keay, painting	130 06
Malden & Melrose Gas Light Co., water heater	12 50
James L. Sinclair, powder, liquid	4 40
G. H. Hartshorn, harness repairs	28 35
Gardner Bros., oil, powder	2 68
Oliver Whyte Co., wire baskets, supporting irons	86 10
Medford Highway Dept., stock, labor	127 01
John H. Byron, cement, sand, labor	313 26
Wm. E. Ober, electrical work	194 77
Grimmons-Bailey-Weston Co. window shades	30 00
N. B. Cunningham, labor	12 00
Page & Curtin, plumbing, paint	204 98
Cornelius Callahan Co., hose	105 00
Chas. H. Walley, kalsomining, glazing	145 60
Welch's Express, expressing	3 00
Stuart-Howland Co., wire, cells, brackets	70 35
Lewis H. Lovering, raising bell, new floor	65 00
S. D. Hicks & Son, coppering bell deck	69 00
Boston Woven Hose & Rubber Co., hose, couplings	837 90
Geo. W. Blanchard & Co., lumber	5 67
F. B. Blodgett, stock and labor	16 66
F. A. Barrows & Co., gas fixture, pipe	13 50
H. F. Staples & Co., oil, wax	14 00
W. N. Gray, repairs, stock	23 38
Boston Nickel Plating Co., plating	94 65
Gamewell Fire Alarm Tel. Co., indicator	16 33
A. W. Morse, electric controllers	50 00
R. W. Clark, plastering	7 00
	$3,963 05

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Ordinary Expenses, Fire Department.

Paid:

Medford Water Division, water	$76 51
Malden Electric Co., light	10 66
Malden & Melrose Gas Light Co., gas	153 61
Medford Highway Dept., crushed stone, use of horse	40 11
George H. Archibald, carpentry	70 61
F. B. Blodgett, lumber, labor	171 80
James L. Sinclair, hardware, paints	34 02
Walker & Viles, shoeing, repairs	211 43
Samuel Dinsmore, shoeing, repairs	82 48
C. H. Hartshorn, harness repairs	102 80
Frank J. Jameson, metal polish	12 00
Wm. S. Richards, hardware, labor	9 74
Harrie W. Peirce, professional services	84 00
Margaret Dale, floor mops	5 50
William Levy, towels	9 90
Charles S. Burrell, awl	1 00
Farley, Harvey & Co., sheets	39 92
J. E. Dussault, horse hire	4 00
William J. Forsyth, shoeing	24 63
Cradock Garage, batteries	1 50
John H. Byron, pipe, sand, labor	2 40
Otto J. C. Neilson, plumbing supplies, labor	15 36
R. D. Glawson, cement floor	25 00
Lucier-Holt Co., repairing	3 75
E. Teel & Co., wagon repairs	70 65
Warren H. Keay, glazing	1 93
Page & Curtin, hardware, labor	125 28
J. N. Cowin & Co., grain	37 60
Locke Coal Co., coal	6 30
Wellman Co., brazing, repairs	3 95
J. Finnegan, hoof ointment	2 00
Charles H. Walley, painting	66 35
Daniel N. Howard, horse medicine	1 25
Frank H. Peak, newspapers, stationery	1 70
Improved Plastic Slate Roofing Co., roofing	30 00
John A. Morgan, horse medicine	16 08

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E. L. Pinkham, horse medicines	5 20
Pinder's Express, expressing	1 90
Smith's Express, expressing	25
Welch's Express, expressing	3 65
American Express Co., expressing	40
Donoghue's Express, expressing	50
McClellan's Express, expressing	5 25
Boston & Maine R. R., freight	1 10
L. A. Harriman & Co., hay	26 57
B. F. Samson & Co., metal polish	7 50
James W. Roberton, food furnished	11 20
Charles E. Bacon, car fares, etc	1 55
Medford Ice Co., ice	4 80
W. R. Ordway, labor	1 75
R. P. Ordway, labor	2 00
Medford Pub. Co., advertising	5 00
Gardner Bros., work on screens	4 00
Warren & Torrens, oil, salt	22 28
F. P. Kent, oil	4 50
W. B. Emery, repairing flags	4 95
J. E. McKeon, horse medicines	4 00
Frank C. Uebel, horse medicines	4 75
Guy R. Nutter, horse medicines	65
E. J. Hervey Co., soap, meal	8 21
H. F. Walker, shoeing	139 41
Fairfield Hand Laundry	48 38
J. E. Ober & Son, coal, glass	780 85
P. A. Waldron, shoeing, repairing	31 44
F. M. Viles, care of horse	5 00
F. H. Walker, gas pipe, screens	27 00
Henry Sharp, carrots	2 00
William J. Forsyth, shoeing	4 75
Harry Masterton, repairing locks	2 80
Wm. N. Curtis, oil	4 05
A. Fitch & Co., hay, grain	600 73
Cornelius Callahan Co., hose repairs, findings	48 95
Stanley & Harlow, hay, grain	59 29
Phelps Bros., hay, grain	1,142 43
Heaney Mfg. Co., floor oil, dust layer	7 61

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Malden Veterinary Hospital visits, services...	27 00
Scrannage Bros., stock and labor.....	3 60
Ame & Co., food.....	15 00
Henry L. Pike, horse medicines.....	5 00
Geo. W. Blanchard & Co., lumber.....	8 72
A. E. Burton Co., deck scrub.....	10 00
L. W. Stone, soap.....	5 00
William Leavens & Co., furniture.....	32 00
W. C. Temple, paint.....	3 00
D. F. Creeden, pillows.....	3 00
Knight & Thomas, cups.....	58
Knox & Morse, disinfectant.....	20 90
Vera Chemical Co., soap powder.....	16 00
O. F. Kress & Son, brakes.....	225 00
Houghton & Dutton Co., blankets.....	35 00
Boston Nickel Plating Co., plating.....	2 00
	$5,004 27

Telephones.

Paid:

New England Telephone & Telegraph Co., rental and tolls, Dec., 1910 to Dec., 1911....	130 39

HEALTH DEPARTMENT.

Salaries of Board of Health.

One Year, to Jan. 1, 1912.

Paid:

George W. Mills.....	$50 00
J. Walter Bean.....	50 00
Frederick R. Ilsley.....	50 00
	$150 00

Salary of Inspector of Plumbing.

Paid:

Leslie E. Morrison, salary, one year, to Jan. 1, 1912.....	$1,000 00

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Salary of Inspector of Meats and Provisions.

Paid:

Frank W. Lumbert, salary, 1 year, to Jan. 1, 1912	$100 00

Salary of Inspector of Milk and Vinegar.

Paid:

Winslow Joyce	$400 00

Health Department Expenses.

Paid:

Alvin R. Reed, salary as Clerk of Board, 1 year, to Jan. 1, 1912	$800 00
Alvin R. Reed, fumigating, postage, car fares	157 60
Leslie E. Morrison, salary as Health Inspector 1 year, to Jan. 1, 1912	150 00
Medford Highway Dept., care of team, shoeing	206 95
Winslow Joyce, travelling expenses, postage	14 35
George W. Mills, professional services, tolls, wood	4 55
H. F. Walker, painting buggy	28 00
Harrie W. Peirce, professional services	4 75
W. E. Bentley, frame	3 50
John W. Enright, medicines	14 50
Chas. A. Lucia, harness repairs	16 50
J. C. Miller, Jr., printing	86 80
E. Teel & Co., wagon repairs, rubber tires	48 33
Wm. S. Richards, mantles, hardware	8 56
J. B. Simpson, burying cats and dogs	8 00
C. H, Tinkham, envelopes	1 15
Daniel N. Howard, drugs	4 35
Jas. L. Sinclair, hardware	2 05
Dearborn Hospital, attendance	2 00
Cradock Garage, auto hire	8 00
New England Telephone & Telegraph Co., rental and tolls, Dec. 1910 to Dec. 1911	39 33
American Express Co., expressing	55

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Welch's Express, expressing	$ 15
Globe Stamp Works, rubber stamps	1 20
Underwood Typewriter Co., ribbon	1 00
Surefoot Ice Creeper Co., ice creepers	5 00
N. E. Druggist Pub. Co., printing	9 60
H. B. McArdle, office supplies	6 15
H. M. Meserve & Co., ink and pads	3 20
Clarence H. Staples, analysis of milk and vinegar	5 00
De Pree Chemical Co., fumigators	216 00
F. H. Thomas Co., laboratory supplies	64 77
S. D. Hicks & Son, copper water bath	9 50
Adams, Cushing & Foster, diary, desk trays	3 95
Macey-Stetson-Morris Co., files	59 00
	$1,994 34

Contagious Diseases.

Paid:

Daniel N. Howard, medicines	$55 85
John W. Enright, medicines	20 50
Highley's Pharmacy, medicines	13 50
James E. Cleaves, professional services	25 00
A. J. Whittaker, groceries	12 00
J. N. Cowin & Co., coal	12 60
Jerry W. Leahy, labor	39 38
James L. Sinclair, hardware	7 40
McCusker & Bresnahan, labor, oil	2 50
W. F. Leahy, overalls, gloves	1 10
Massachusetts State Sanitorium, board, attendance	83 99
Rutland State Sanitorium, board, attendance	610 64
City of Boston, board, attendance	256 00
Town of Arlington, board, attendance	108 00
Lakeville State Sanitorium, board, attendance	142 28
City of Somerville, board, attendance	288 84
City of Malden, board, attendance	263 99
North Reading State Sanitorium, board	254 86
Geo. W. Blanchard & Co., lime	1 20
	$2,199 63

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HIGHWAY DEPARTMENT.

Salary of Street Commissioner.

One Year, to Jan. 1, 1912.

Paid:	
William J. Gannon	$1,600 00

Salary of Supt. of Moth Suppression.

One Year, to Jan. 1, 1912.

Paid:	
William J. Gannon	$400 00

Ashes, Collection of

Paid:	
Workmen, as per pay rolls	$5,062 70
James L. Sinclair, netting	18 00
E. Teel & Co., wagon repairs	114 35
James Forgies Sons, horse supplies	30 25
J. C. Miller, Jr., printing	20 00
Medford Highway Dept., teaming	1,114 70
	$6,360 00

Auburn Street and Bridge.

Paid:	
Commonwealth of Massachusetts, balance due under contract of 1905	$3,648 66

Bridges.

Paid:	
Workmen, as per pay rolls	$51 84
Medford Highway Dept., teaming	29 15
Geo. W. Blanchard & Co., posts	22 33
	$103 32

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Care of Trees.

Paid:	
Workmen, as per pay rolls	$441 11
Jas. L. Sinclair, tree guards	80 05
J. C. Miller, Jr., printing	1 75
Medford Highway Dept., teaming	76 45
Medford Pub. Co., advertising	1 75
Geo. W. Blanchard & Co., lumber	6 55
	$607 66

Collection of House Offal.

Paid:	
Workmen, as per pay rolls	$4,268 34
P. H. Kirwan, shoeing	25
E. J. Hervey Co., soda	12
E. Teel & Co., wagon repairs	37 35
Medford Highway Dept., teaming	986 55
Boston Nickel Plating Co., plates	9 00
Anderson & Anderson, garbage pails	18 00
James Forgies Sons, wagon cover	23 30
Geo. W. Blanchard & Co., lumber	11 76
	$5,354 67

General Repairs of Highways.

Paid:	
Workmen, as per pay rolls	$23,553 65
New England Telephone & Telegraph Co., rental and tolls, 1 year to Dec. 1, 1911	156 53
Malden Electric Co., light	134 63
Medford Water Division, water	387 86
Medford Sewer Division, sewer pipe	9 68
William J. Gannon, cash paid for car fares, etc	8 55
Medford Sealer of Weights and Measures, sealing	1 15
Horses, Hose and Repairs Account, horse	100 00
E. Teel & Co., wagon repairs	321 26
Teel Mfg. Co., wagon supplies, auto repairs	271 04
Wellman Co., repairs on tools	24 33
Harrie W. Peirce, professional services	21 00

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George H. Archibald, carpentry	$98 05
J. Henry Norcross, postage stamps	19 00
C. H. Tinkham, envelopes	5 21
Wm. E. Ober, electrical supplies	4 49
Frank H. Peak, stationery	90
Wm. H. Magoun, cheese cloth	96
Benj. F. Samson & Co., metal polish	6 25
E. J. Hervey Co., lard, soap, matches	2 78
M. E. O'Brien, lard, soap, vinegar	3 05
Wm. H. Casey & Co., brick	432 23
John A. Gaffey, aspho oil	523 26
Dominick Garrity, extra labor	3 00
James Sondergast, extra labor	2 00
Peter Finnegan, extra labor	2 50
Joseph Kane, extra labor	1 33
Joseph Peloquin, extra labor	3 00
Charles Lawn, extra labor	1 00
William Murray, extra labor	3 50
E. T. Bigelow, auto repairs	70 19
Warren H. Keay, signs	9 00
Richard A. Drake, professional services	5 00
Thomas O'Brien, pressing skirt	1 00
James L. Sinclair, hardware, oil	69 86
Page & Curtin, labor, hardware	120 62
John A. Morgan, horse medicines	3 75
Guy R. Nutter, horse medicines	85
Daniel N. Howard, horse medicines	7 93
Cradock Garage, battery repairs	6 10
Chas. A. Lucia, harness repairs	103 60
John W. Enright, horse medicines	60 30
J. J. MacDonald, planks	3 00
H. F. Walker, carriage spring	4 00
J. C. Miller, Jr., printing	44 90
J. N. Cowin & Co., hay, grain	236 40
W. Arthur Lincoln, insurance	73 00
D. Sahl, boots	13 00
Frederick M. Viles, use of horse	67 50
Locke Coal Co., coal	568 40
Luke Coyne, repairing shoes	1 50

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Wm. A. Baker, auto supplies	$29 65
Welch's Express, expressing	2 60
Smith's Express, expressing	25
Pinder's Express, expressing	35 45
American Express, expressing	1 84
Boston & Maine Railroad, freight	160 34
Mass. Highway Commission, registration fee	15 00
New England Towel Supply Co., towels	13 00
James Forgie's Sons, harness furnishings	186 60
Geo. McQuesten Co., lumber	27 48
Adams, Cushing & Foster, stationery	27 93
Combination Harness Co., dressing, oil	16 05
Crown Chemical Co., metal polish	3 00
Buffalo Steam Roller Co., oil pump	20 00
Bi-Motor Equipment Co., washers, gaskets	4 27
Buick Motor Co., auto supplies	68 20
Henry J. Winde, lumber	29 71
Standard Oil Co., of New York, oil	98 35
Geo. H. Sampson Co., forcite, nuts	305 25
Harold L. Bond Co., tools, waste, hose	170 42
Chase Parker, & Co., hardware	254 21
Fred'k. B. Witherly, gratings, traps, covers	233 00
Geo. W. Blanchard & Co., lumber	319 90
Eclipse Animal Food Co., food	67 25
Taylor Iron & Steel Co., parts for crusher	138 75
Lewis E. Tracy Co., belt	2 69
George A. Wellington, premiums	546 23
State Inspector of Boilers, inspections	15 00
N. E. Druggist Pub. Co., printing	18 10
Malden Veterinary Hospital, professional services	28 00
Welch & Hall, horse	325 00
Berry & Ferguson, cement, pipe	609 81
Barrett Mfg. Co., tarvia	2,500 54
Winchester Stone Co., stone	184 08
Winchester Rock & Brick Co., stone	24 78
Ames Implement & Seed Co., mower, waste barrels, hand carts	109 05
Wm. H. Hitchings, services	14 00

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Morris-Ireland Safe Co., opening safe	$3 00
Valvoline Oil Co., oil	211 65
Phelps Bros., hay, grain	4,540 71
A. B. Black Road Machinery Co., sweeper and broom	175 00
Geo. W. Knowlton Rubber Co., spiral packing	6 16
Edward S. Payson, board of horse	18 00
Merrimac Iron Foundry, catch basins, manholes	411 00
Mosler Safe Co., altering combination	2 00
W. R. Canfield, hobble wash	2 50
Boston Nickel Plating Co., auto parts and repairs	6 90
Thorp & Martin Co., weight books	1 50
H. I. Dallman Co., brooms, dusters	32 35
Warren Bros. Co., repairing streets	694 40
	$40,283 04

Gravel and Dirt Sidewalks.

Paid:

Workmen, as per pay rolls	$252 80
Medford Highway Dept., stone dust	247 20
	$500 00

Guide Boards and Street Signs.

Paid:

Workmen, as per pay rolls	$72 88
Louis J. Condon, painting signs	30 00
George H. Archibald, stock and labor	19 55
Medford Highway Dept., teaming	6 88
Jas. L. Sinclair, paint, oil	15 56
Medford Pub. Co., cards	3 00
Geo. W. Blanchard & Co., lumber	30 00
	$177 87

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Gypsy and Brown Tail Moths.

Paid:	
Workmen, as per pay rolls	$7,957 16
Winslow W. Woolley, abatement	75
Kate T. Keeler, abatement	50
Page & Curtin, hardware, brushes	94 61
Wellman Co., repairing plunges	35 14
Medford Highway Dept., teaming	177 15
Cradock Garage, batteries	1 50
E. Teel & Co., stock, repairs	154 55
Chelmsford Foundry Co., sundries	9 00
Jas. L. Sinclair, hose, hardware	382 65
J. C. Miller, Jr., printing	55 50
R. G. Fraser, cheese cloth	75
Wm. A. Baker, bicycle repairs	19 38
Teel Mfg. Co., brass and copper fittings	397 10
Wm. J. Gannon, dinner	50
J. Henry Norcross, postage stamps	50 00
Ethel W. Hersey, clerical work	10 50
Carol Remele, clerical work	6 00
American Express, Co. expressing	20
Barrett Mfg. Co., creosote, coal tar	37 75
Joseph Breck & Sons Corp., poles	2 25
George A. Wellington, insurance	107 08
Stephen B. Church, packing pump, valves	210 76
T. H. Lord, fileing saws	25 50
Am. Steam Gauge & Valve Co., gauges	5 00
Valvoline Oil Co., oil	60 55
Standard Oil Co., of New York, gasoline	35 00
Harold L. Bond Co., tools, pumps	25 10
Chas. J. Jager Co., repairs	8 95
C. F. Splitdorf, repairs	1 00
	$9,871 88

Leopard Moth and Elm Tree Beetle.

Paid:	
Workmen, as per pay rolls	$688 69
Medford Highway Dept., teaming	13 99
Medford Care of Trees Account, labor	175 68

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Page & Curtin, hardware	$ 15
Medford Gypsy Moth Account, lead	100 00
David Anderson, fileing saws	1 00
Standard Oil Co., of New York, gasoline	9 00
Barrett Mfg. Co., coal tar	3 75
	$992 26

Magoun Avenue and Pembroke Street Drain.

Paid:

Workmen, as per pay rolls	$825 66
Wm. H. Casey & Co., brick	51 00
Medford Highway Dept., teaming, lumber, cement	229 35
Merrimac Iron Foundry, catch basin	10 00
Boston & Maine Railroad, freight	82 45
	$1,198 46

Paving Gutters.

Paid:

Workmen, as per pay rolls	$179 56
Medford Highway Dept., teaming	111 97
Boston Elevated Railway Co., paving stones	195 75
	$487 28

Quincy Street.

Paid:

Workmen, as per pay rolls	$31 06

Resurfacing Concrete Walks.

Paid:

Louis G. Bragdon, concreting	$1,599 34

Setting Out Trees.

Paid:

Workmen, as per pay rolls	$120 06
Medford Highway Dept., teaming	1 57
Bay State Nurseries, trees, shrubs	178 00
	$299 63

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Sidewalks and Edgestones.

Paid:

Workmen, as per pay rolls	$4,011 67
Medford Highway Dept., stock, teaming	1,016 97
Medford Pub. Co., advertising	9 75
Jas. L. Sinclair, hardware	16 64
Louis G. Bragdon, granolithic walks	197 90
Page & Curtin, lamp black	1 55
Harry S. Locke, refund on account of lowering edgestone	3 00
John O'Connor, extra labor	3 50
James Sondergast, extra labor	3 00
Geo. H. Archibald, repairing	50
M. J. Hughes, moving hedge	3 00
E. Teel & Co., steel	45
Wm. Murray, extra labor	4 25
J. A. C. Emerson, refund on account of lowering curb	1 00
William J. McCarthy Co., crushed stone	787 01
S. & R. J. Lombard, edgestone	3,691 95
Wm. H. Casey & Co., brick	1,302 75
Standard Oil Co., of New York, oil	14 75
Geo. W. Blanchard & Co., lumber	2 37
	$11,072 01

Snow (Removal of)

Paid:

Workmen, as per pay rolls	$1,607 53
E. Teel & Co., wagon repairs	29 96
Medford Highway Dept., teaming, sand	242 54
Wm. F. Bartlett, salt	4 00
Geo. H. Archibald, carpentry	1 73
Eastern Salt Co., salt	24 00
Harold L. Bond Co., shovels	18 24
George W. Blanchard & Co., lumber	28 42
Chase, Parker & Co., bolts	45 97
Eastern Steamship Co., freight	10 50
O. L. Ham, sleds, lumber, labor	92 29
	$2,105 18

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Special Street Signs.

Paid:	
Page & Curtin, screws	$2 49
Boston & Maine Railroad, freight	83
Baltimore Enamel and Novelty Co., enamel	52 50
	$55 82

Street Numbering.

Paid:	
Workmen, as per pay rolls	$24 97

Surface Drains.

Paid:	
Workmen, as per pay rolls	$1,944 52
E. Teel & Co., tires	15 39
John O'Connor, extra labor	2 50
Peter Finnegan, extra labor	4 50
Wm. Murray, extra labor	2 00
Medford Water Division, labor	5 56
Medford Sewer Division, pipe, labor	92 74
Medford Highway Dept., stock, labor, teaming	1,120 21
Boston & Maine Railroad, freight	266 44
Berry & Ferguson, cement, pipe	661 21
Merrimac Iron Foundry, catch basin	120 00
Standard Oil Co. of New York, oil	5 00
	$4,240 07

Watering Streets.

Paid:	
Workmen, as per pay rolls	$1,511 91
E. Teel & Co., wagon repairs	299 10
Medford Water Division, stock, labor	26 43
Page & Curtin, hardware	94 83
Wellman Co., brazing	6 25
Medford Highway Dept., teaming, water, stone	1,505 71
Teel Mfg. Co., batteries, sundries	7 22

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Ulysses S. G. Rawlings, abatement	$3 15
John J. Morris, abatement	1 51
Kate Louise Wyman, abatement	1 40
Boston & Maine Railroad, freight	122 22
Calcide Process Co., calcide	448 50
Standard Oil Co. of New York, oil, gasoline	5,252 26
Headley Good Roads Co., dust preventive	1,405 25
Chase, Parker & Co., chain	3 72
Chas. A. Claflin & Co., ejector	20 00
Alden Speare's Son's Co., tasscoil	56 88
Indian Refining Co., road oil	313 69
	$11,080 03

Winthrop Street Bridge.

Paid:

Geo. H. Archibald, carpentry	126 60
Medford Bridges Acct., labor	3 32
Simpson Bros. Corp., concrete steps and platforms	103 40
	$233 32

INSPECTION DEPARTMENT.

Salary of Inspector of Buildings.

One year, to Jan. 1, 1912.

Paid:

Harvey A. Hopkins,	$700 00

Expenses of Inspection Department.

Paid:

Hravey A. Hopkins, use of team and auto, general office supplies	233 36
Medford Electrical Dept., use of telephone, 1911	12 00
	$245 36

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PARK DEPARTMENT.

Public Commons.

Paid;

Workmen, as per pay rolls	$1,088 20
New England Telephone & Telegraph Co., rental and tolls, Dec.1, 1910 to Dec. 1,1911	20 61
Medford Water Division, labor, water	5 06
Alvin R. Reed, salary as clerk, 1 year to Jan. 1, 1912	50 00
Alvin R. Reed, cash paid for carfares, postage, extra services	33 00
P. H. Byron, loam, labor	172 72
J. C. Miller, Jr., printing	5 85
N. B. Cunningham, carpentry	25 00
Henry F. Austin, repairing fence	2 50
Frank H. Peak, stationery	65
James L. Sinclair, netting	3 90
Simon White, stock and labor	19 15
Edward P. Adams, professional services, assistants	594 95
Page & Curtin, hardware	56 28
Knapp Forshner, team hire	6 00
George H. Archibald, stock and labor	104 30
William A. Baker, repairing mowers	21 95
M. Johnson, teaming	3 50
Walker & Viles, wagon parts	50
Medford Highway Dept., labor	84 00
H. F. Walker, lawn mower irons	1 00
Welch's Express, expressing	3 50
C. D. Norris, stock and labor	55 79
W. T. Clark, photos	10 00
The Morss & Whyte Co., wire	19 65
Thomas Crowshaw, pruning	56 00
T. F. McGann & Sons, brass crosses, tees,ells.	18 00
H. M. Meserve & Co., rubber stamps	1 05
Daniel Marr & Son, climbing pole for flag	12 00
Walworth Mfg. Co., pipe and fittings for fence	62 92
Anchor Post Iron Works, iron fence	93 00
	$2,631 03

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POLICE DEPARTMENT.

Salaries of Police Officers.

One year, to Jan. 1, 1912:

Paid:	
Emery D. Holmes, Chief of Police	$1,350 00
Police Officers, as per pay rolls	21,740 57
	$23,090 57

Special Police, etc.

Paid:	
Special police officers, as per pay rolls	$2,010 25
New England Telephone & Telegraph Co., rental and tolls, Dec. 1, 1910, to Dec. 1, 1911 moving phone	93 67
Annie F. Etter, rent of stable, food furnished	125 85
Knapp Forshner, boarding horse, storing ambulance and pung	196 00
James L. Sinclair, hardware, sponge, oil	25 20
Medford Pub. Co., advertising	2 75
Medford Highway Dept., use and board of horse	10 00
Malden Electric Co., light	235 98
Malden & Melrose Gas Light Co., gas	2 29
Medford Water Division, water	15 17
W. H. Cowing, cash paid for carfares, etc.	2 70
John F. Welch, cash paid for carfares	6 80
J. N. Cowin & Co., hay, grain	175 12
E. Teel & Co., tire	20 00
Luke Coyne, shoeing	36 56
Walker & Viles, shoeing, repairing	18 88
Paul G. Bickford, killing and burying dogs	20 00
William E. Ober, knobs, cleats, labor	11 06
W. B. Emery, repairs to cell	8 95
W. F. Leahy, gloves	4 50
Frank H. Peak, stationery	7 54
J. C. Miller, Jr., printing	34 60
C. H. Tinkham, regulating clock	1 50
E. J. Hervey, Co. bon ami, wicks	1 25

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Savage's Express, expressing	$ 25
Welch's Express, expressing	50
American Express Co., expressing	45
Emery D. Holmes, cash paid for postage, car-fares	18 52
Edward W. Barrett, professional services	2 00
Harrie W. Peirce, professional services	6 00
Lincoln F. Sise, professional services	2 00
Charles A. Lucia, repairing harness	11 70
F. B. Miller, laundry	9 15
Wellman Co., repairing hames	1 75
John A. Morgan, medicine	4 80
Locke Coal Co., coal, slabs	351 05
George H. Archibald, stock and labor	11 47
Jeremiah T. Carter, mops	3 25
M. E. O'Brien, oil, salt, ammonia	6 33
Page & Curtin, hardware	19 86
Charles H. Walley, painting	111 75
Thomas Shaughnessy, services	3 00
John H. Byron, stock and labor	1 50
John W. Enright, bandages	1 80
R. G. Fraser, pillow slips	75
James H. Kane, cash paid for court papers	2 00
Wm. G. Ewell, cash paid for sundries	10 45
C. M. Lockwood, clipping horse	2 50
Somerville Brush Co., brushes	9 39
Auto List Pub. Co., auto list	10 00
New England Towel Supply Co., towels	18 00
Gamewell Fire Alarm Tel. Co., time stamp ribbons, etc	2 25
West Disinfecting Co., floor dressing	6 25
N. E. Druggist Pub. Co., printing	4 60
W. A. Greenough & Co., printing	4 00
Colonial Co., paper	25 24
H. B. McArdle, stationery	2 75
C. H. Batchelder, & Co. awnings	24 50
Pettingill-Andrews Co., batteries	4 20
Iver Johnson Sporting Goods Co., flag	3 00
Hodge Boiler Works, retubing boiler	162 99

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Stone & Forsyth, drinking cups	$4 00
Stuart-Howland Co., dry cells	5 40
American Lunch Co., meals	2 90
H. E. Hibbard & Co., typewriter supplies	3 40
	$3,942 32

PUBLIC LIBRARY DEPARTMENT.

General Expenses.

Paid:

Librarian and assistants, as per pay rolls	$4,350 00
New England Telephone and Telegraph Co., rental and tolls, Dec. 1, 1910 to Dec. 1, 1911	32 16
A. B. Morss, printing	4 50
J. C. Miller, Jr., printing	170 55
Frank H. Peak, periodicals	115 65
Wm. Howe, stock, labor	5 00
W. B. Emery, repairing chairs	4 55
Geo. H. Archibald, stock, labor	56 69
Warren H. Keay, stock, labor	113 80
Linton B. Sanderson, janitor service, extra work	777 00
Abbie L. Sargent, cash paid for right to take out books	10 00
Page & Curtin, hardware	23 17
Anne C. Swift, book case	3 00
Sanitary Vacuum Cleaning Co., cleaning library	40 00
Malden Electric Co., light	222 13
Medford Gypsy & B. T. Moth Acct., treating trees	2 00
Wellman Co., repairing stamps	3 75
C. H. Tinkham, thumb tacks	1 00
Medford Ice Co., ice	14 20
J. N. Cowin & Co., wood	3 00
Medford Water Division, water	20 38
Medford Pub. Co., advertising, subscription to Medford Mercury	14 00

Digitized by the Medford Historical Society and Museum

American Express Co., expressing	$126 29
American Forestry Association, subscription	2 00
New England Towel Supply Co., towels	18 72
Stone & Forsyth, paper	85 50
Talbot Chemical Co., "ta-bo"	2 00
West Disinfecting Co., floor oil, liquid soap	7 00
American Library Association, dues	5 00
Murphy Leavens & Co., brushes	4 50
N. E. Druggist Pub. Co., printing	12 10
National Municipal League, dues	5 00
Julius A. Zinn, flowers	20 00
Boston Filter Co., service filter	18 00
Hobbs & Warren Co., stationery	3 50
Library Bureau, subscription, book pockets.	8 50
Library of Congress, cards	40 00
Brown-Howland Co., cards	63 29
Underwood & Underwood, stereographs	42 55
Jordan Marsh Co., carpet, frames	5 91
Derby Desk Co., bookcasing, stools	36 50
Globe Rubber Works, hose	9 00
Thorp & Martin Co., office supplies	5 20
Hammond Typewriter Co., repairs	1 85
H. L. Wetherbee & Son, sweeping compound	1 00
Library Art Clubs, dues	6 00
Samuel Ward Co., stationery	11 28
Somerville Coal Co., coal	299 80
Eldridge & Peabody, table and chair	7 50
A. L. A. Pub. Board, Smithsonian reports	1 08
H. C. Dimond & Co., repairing perforator	7 20
W. N. Gray, repairing roof	18 51
N. J. Bartlett & Co., books	687 38
Cedric Chivers Ltd., binding	797 03
W. B. Clarke Co., books	75 26
The Macmillan Co., books	30 50
The Old Corner Book Store, books	135 35
The Schoenhof Book Co., books	29 95
The Union Library Association, books	56 56
Oliver Ditson Co., books	4 00

Digitized by the Medford Historical Society and Museum

J. L. Hammett Co., books	$34 61
H. R. Huntting Co., books	44 55
The National Education Association, books	2 00
Stanley Russell & Co., books	1 50
Charles Scribner's Sons, books	19 05
R. H. White Co., books	44 35
Baker & Taylor Co., books	21 11
De Wolfe & Fiske Co., books	118 80
C. F. Libbie & Co., books	8 88
New Fiction Library Co., books	4 35
The Cambridge University Press, books	111 00
W. M. Gibbs, books	2 50
E. W. Johnson, books	3 67
W. A. Keating, books	8 92
Isaac Mendoza Book Co., books	4 35
Shepard, Norwell Co., books	4 10
Arthur H. Clark Co., books	4 50
Munn & Co., books	2 20
N. E. Historic Genealogical Society, register	5 00
Niel Morrow Ladd Co., books	16 75
G. E. Stechert & Co., books	30 65
The Cox Book Co., books	4 55
John Towers, books	3 50
Patriot Publishing Co., books	2 00
Publishers' Weekly, books	7 50
Young Folks Educational League, books	32 50
Dodd, Mead & Co., books	7 65
R. H. Hinckley Co., books	39 60
Pearson & Marsh, books	15 75
Theo. E. Schulte, books	4 95
Charles W. Clark Co., books	10 00
F. A. Davis Co., books	2 25
Henry Holt & Co., books	1 35
Jordan Marsh Co., books	7 34
Chas. E. Lauriat Co., books	7 50
McDevitt-Wilson Bargain Book Shop, books	6 80
Houghton Mifflin Co., books	26 25
Student Volunteer Movement for Foreign Missions, atlas	3 10
New England News Co., subscriptions	93 85
	$9,446 62

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Agencies.

Paid:

Charles A. Ellsworth, agent at Wellington...	$35 00
Mrs. Georgina E. McIntosh, agent at Hillside.....	30 00
Durant & Haushalter, agent at Glenwood....	35 00
James Morrison, agent at Tufts Square.....	95 00
Nahum E. Wilber, agent at West Medford...	30 00
Horace A. Smith, expressing books to agencies.....	132 00
J. C. Miller, Jr., printing.....	9 00
	$366 00

RELIEF OF POOR DEPARTMENT.

Salaries of Overseers of Poor and Secretary.

One Year, to Jan. 1, 1912

Paid:

John W. Bragdon, Chairman.....	$500 00
John W. Rockwell.....	50 00
George B. Gill.....	50 00
Edward W. Hayes, Secretary.....	150 00
	$750 00

Almshouse.

Paid:

Supt. and sundry persons, as per pay rolls...	$1,484 70
E. J. Hervey Co., groceries.....	266 53
Yerxa & Yerxa, groceries.....	194 79
Charles R. Drew, provisions.....	51 19
George A. Croudis, groceries, provisions.....	52 80
Michael E. O'Brien, groceries, provisions....	346 07
W. J. Geary, groceries, provisions.....	38 75
William N. Curtis, groceries.....	54 43
John W. Enright, medicines.....	102 82
John A. Morgan, medicines.....	17 75
Daniel N. Howard, medicines.....	7 30
Ernest L. Pinkham, medicines.....	13 55

Digitized by the Medford Historical Society and Museum

D. Sahl, boots and shoes	$26 25
Chas. H. Hunter & Co., groceries	147 74
P. Volpe & Sons, fruit, vegetables	17 31
Frank E. Pierce, fish, oysters	75 70
R. G. Fraser, dry goods	22 44
Wm. H. Magoun, dry goods	11 41
W. F. Leahy, dry goods	3 05
J. N. Cowin & Co., grain	361 59
J. E. Ober & Son, coal, wood	17 71
Highland Coal Co., coal	386 10
Page & Curtin, hardware, brushes	64 03
McCusker & Bresnahan, plumbing repairs	7 00
Howard A. Leighton, locks, labor	4 10
James L. Sinclair, hardware, oil	8 83
Edward Gowing, cash paid for sundries	79 06
Malden & Melrose Gas Light Co., gas	98 40
Medford Ice Co., ice	114 55
Walker & Viles, shoeing, repairing	45 50
C. H. Tinkham, repairing glasses, clock	4 65
Medford Water Division, Water	93 39
Edward J. Gaffey, burial	15 00
H. F. Walker, shoeing, repairing	27 30
C. H. Hartshorn, repairing harness	6 65
I. N. Holman, sharpening and repairing tools.	8 00
Pinder's Express, expressing	1 35
Welch's Express, expressing	2 40
American Express Co., expressing	3 15
Smith's Express, expressing	1 50
New England Telephone & Telegraph Co., rental and tolls, Dec. 1, 1910, to Dec. 1, 1911	43 46
Harrie W. Peirce, professional services	9 00
W. C. Miles Co., shavings	1 00
I. W. Mullett & Sons, printing	5 75
Farnsworth, Benjamin & Mills, butter, beans	35 50
Miley Soap Co., soap	27 50
J. Cushing & Co., hay	69 08
Duparquet, Huot & Moneuse Co., cooking utensils	17 52

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McGreenery & Manning, tobacco	$42 12
Adams, Cushing & Foster, toilet paper	8 75
Importers Branch Ltd., coffee, tea	101 30
Vermont Mfg. Co., butterine	18 00
Geo. W. Blanchard & Co., lumber	14 60
Joseph Breck & Sons, feed, mats, trees	77 24
Isaac Coffin Co., glove valves	1 40
T. I. Reed, ham	2 25
Globe Soap Co., soap	16 24
C. W. Lerned & Co., disinfectant, floor dressing	10 50
Horlicks Malted Milk Co., malted milk	4 00
Park & Pollard Co., chicks and feed	4 55
Collins Hardware Co., powder	8 00
Shaw & Russell, wood	13 00
Stohlborn's Employment Bureau, fees	3 00
N. E. Mfg. Co., butterine	25 20
Johnson & Bryden, flour	96 20
Wilson Larrabee & Co., bed linen	42 11
	$4,982 11

Almshouse Repairs.

Paid:

R. D. Glawson, stock, labor	$116 80
R. Federman, wall paper	11 67
Grimmons-Bailey-Weston Co., shades	19 20
Geo. W. Blanchard & Co., lumber	14 58
McCusker & Bresnahan, plumbing repairs	8 60
Henry Bell, papering	17 77
Page & Curtin, hardware	32 80
Isaac Coffin Co., plates for boiler	8 46
A. W. Hastings & Co., windows	18 00
	$247 88

Horse.

Paid:

H. F. Walker, painting and lettering buggy etc	$11 50
Frank I. Furror, horse, wagon and harness	140 00
	$151 50

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Outside Relief.

Paid:

Sundry persons, cash allowance	$1,041 00
Edward W. Hayes, services as clerk, 1 year, to Jan. 1, 1912	100 00
Edward W. Hayes, cash paid for postage	6 10
Durant & Haushalter, groceries	180 25
E. J. Hervey Co., groceries	382 50
L. E. Ingraham, groceries	90 00
George N. Sheldon, groceries	145 00
Yerxa & Yerxa, groceries	106 50
Warren & Torrens, groceries	2 00
A. J. Whittaker, groceries	82 50
F. Riley, groceries	104 75
M. Kuehl & Co., groceries	4 00
J. C. Sampson, groceries	16 00
Edward S. Randall, groceries, provisions	185 50
J. Strachan, groceries, provisions	236 00
John J. Crowley, groceries, provisions	52 50
J. A. Bowman, groceries, provisions	104 00
J. E. Dussault, groceries, provisions	64 50
Frank P. Kent, groceries, provisions	123 42
F. H. Lovering, groceries, provisions	78 50
L. M. Kiley, groceries, provisions	84 00
N. A. Johnson, groceries, provisions	66 00
C. W. Webster, groceries, provisions	10 50
Mr. Kahan, groceries, provisions	6 00
G. R. Whitcher, medicines	2 30
W. A. Whitney, medicines	2 60
Daniel N. Howard, medicines	54 20
John W. Enright, medicines	139 27
E. L. Pinkham, medicines	7 15
J. E. McKeon, medicines	1 00
John A. Morgan, medicines	12 85
G. R. Nutter, medicines	4 50
W. H. Frazier, medicines	2 50
Frank C. Uebel, medicines	35
Harry F. Weir, medicines	5 65
Highley's Pharmacy, medicines	15 65

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D. Sahl, boots and shoes	$29 00
Poole & Leach, boots and shoes	2 00
J. E. Ober & Son, coal and wood	270 90
Dearborn Hospital, board, attendance	436 57
Packard Private Hospital, board, attendance	48 50
Hillside Hospital, board, attendance	30 00
Jeremiah T. Carter, services rendered	14 00
George H. Packard, professional services	5 00
James E. Cleaves, professional services	10 00
Medford Water Division, turning on water	1 00
Geo. Nichols Co., burials	38 00
Franklin E. Campbell, assisting city physician	3 00
John W. Bragdon, cash paid for car fares	29 30
E. J. Gaffey, burial	15 00
J. W. Lane, caneing chairs	3 75
Pinder's Express, expressing	30
Welch's Express, expressing	30
Commonwealth of Massachusetts, board	432 31
Mass. General Hospital, board, attendance	116 94
The Childrens' Hospital, board	21 00
Malden Hospital, board	78 00
Massachusetts Hospital School, board	208 57
City of Somerville, aid rendered	173 42
Town of Weymouth, aid rendered	32 00
City of Boston, aid rendered	396 15
Town of Winchester, aid rendered	265 28
City of Malden, ambulance, groceries	16 00
City of Cambridge, aid rendered	1 46
Massachusetts Charitable Eye and Ear Infirmary, glasses	4 55
Henry Osborne, board, attendance	120 00
J. S. Rosenbloom, shoes	11 00
Dennison Mfg. Co., envelopes	50
Charles W. Dailey, ambulance hire	5 00
Sanford I. Morse, groceries	64 00
J. C. Miller, Jr., printing	4 00
Pocket Manual Co., manual	1 00
N. E. Druggist Pub. Co., printing	3 60
Adams, Cushing & Foster, stationery	2 93
Highland Coal Co., coal	64 90
	$6,478 77

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SCHOOL DEPARTMENT.

Salaries of School Committee and Secretary.

One Year, to Jan. 1, 1912.

Paid;	
Charles S. Taylor, salary	$50 00
William Cushing Wait, salary	50 00
Charles N. Jones, salary	50 00
Edward W. Barrett, salary	50 00
Amanda H. Plummer, salary	50 00
Charles W. McPherson, salary	50 00
Joseph R. DeCamp, salary	50 00
Clara T. Guild, salary	50 00
George S. T. Fuller, salary	50 00
William H. Couch, salary	50 00
David G. Melville, salary	50 00
Charles N. Jones, secretary, salary	300 00
	$850 00

Salary of Superintendent.

Paid:	
Fred H. Nickerson, salary, one year, to Jan. 1, 1912	$3,000 00

Salaries of Teachers and Substitutes.

Paid:	
Sundry persons, as per pay rolls	$101,103 00

Stewardship Including Truant Officer.

Paid:	
Engineers and stewards, as per pay rolls	$10,416 00
F. P. Peirce, cash paid for labor	7 00
	$10,423 00

Contingent.

Paid:	
Yerxa & Yerxa, bon ami	$3 00
G. R. Nutter, medicines	80
Henry B. Doland, expenses	2 30

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George H. Keeler, ringing "no school" signal.	$8 00
Nason B. Cunningham, carpentry	33 88
New England Telephone & Telegraph Co., rental and tolls, Nov. 1910, to Dec. 1911	290 85
Geo. H. Archibald, labor	2 00
Malden Electric Co., light	405 54
Malden & Melrose Gas Light Co., gas	57 70
Medford Pub. Co., advertising	14 50
J. C. Miller, Jr., printing	402 50
Frank P. Peirce, labor	5 55
Medford Public Library, lost books	14 18
Fred H. Nickerson, travelling expenses, book-case	29 90
Ernestine Y. Cox, cleaning	1 15
Medford Gypsy & Brown Tail Moth Account, treating trees	15 70
James L. Sinclair, hardware, oil	42 04
William J. Hixon, key	75
H. F. Staples & Co., wax, oil	174 10
Wellman Co., sharpening mowers	2 00
W. B. Emery, repairing flags	14 10
F. B. Blodgett, labor	2 00
J. E. Ober & Son, turpentine, rake	2 30
C. H. Tinkham, framing pictures	4 75
Dwight O. Collins, horse hire	3 00
William Baker, sharpening mower	1 15
John Rafferty, labor	10 00
American Express, expressing	1 70
Smith's Express, expressing	28 00
Welch's Express, expressing	2 95
Pinder's Express, expressing	12 25
Sexton Can Co., ash barrels	40 50
Jas. J. Shannon & Co., paper	8 15
Stanley Liquid Soap Co., soap	15 00
Neostyle Co., stationery	52 25
Geo. T. Johnson Co., toilet paper	16 50
City of Malden, tuition	180 00
H. C. Dimond & Co., stamps, die, ink	2 85
Kenney Bros. & Wolkins, furniture	624 63

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The Sulpho-Napthol Co., disinfectant	$22 50
J. L. Hammett Co., school supplies	11 70
Geo. T. Johnson Co., toilet paper	35 50
Perkins Institution & Massachusetts School for the Blind, care of pianos	75 00
Henry A. Wheeler & Co., flags	23 81
Thomas Groom & Co., account book	4 75
Edward M. Peters & Co., insurance	7 80
W. A. Wood Co., cheese cloth	52 50
White & Leahy, sawdust	5 00
S. A. Felton & Son Co., brushes	93 00
Remington Typewriter Co., repairs, ribbons	7 95
Spaulding Print Paper Co., paper	3 28
Eagle Oil & Supply Co., supplies	110 96
Stuart-Howland Co., electrical supplies	8 54
Valvoline Oil Co., oil	17 00
Wm. Leavens & Co., chairs	19 50
Samson-Soch Co., bandages and gauze	3 97
Middlesex Co. Training School board	120 71
N. E. Druggist Pub. Co., printing	140 10
Am. School Board Journal, subscription	1 00
National Arts Pub. Co., subscription	2 50
Library Bureau, cards	76 54
City of Boston, tuition	192 15
Vera Chemical Co. soap powder	16 00
Harold C. Spencer, work on diplomas	53 57
American Bank Note Co., diplomas	96 75
A. J. Wilkinson, & Co. hardware	4 27
Badger Fire Extinguisher Co., fire extinguishers	84 00
Talbot Chemical Co., "ta-bo"	2 00
Francis Marsh, cabinet	5 00
F. S. Webster Co., carbons	4 50
Allen Bros., stamp pad	80
	$3,831 17

Evening School.

Paid:

Teachers and stewards ,as per pay rolls	$865 25

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Malden Electric Co., light	$219 30
J. C.Miller, Jr., printing	8 25
American Book Co., books	3 36
Home Correspondence School, books	30 65
E. E. Babb & Co., books	2 00
Gregg Pub. Co., books	8 55
Kenney Bros., & Wolkins school supplies	13 65
D. C. McIntosh, pads	14 32
	$1,165 33

Fuel.

Paid:

Locke Coal Co., coal, wood	$11,908 50
Standard Charcoal Co., charcoal	91 50
	$12,000 00

Medical Inspection.

Paid:

Lincoln F. Sise, Medical Inspector, salary	$200 00

Repairs—School Dept.

Paid:

William E. Ober, electrical work	$56 59
Warren H. Keay, painting, glazing	137 16
George H. Archibald, carpentry	10 00
C. H. Tinkham, regulating clocks	20 00
Page & Curtin, stock, labor	337 84
O. L. Soderlund, glazing, painting	247 75
George S. T. Fuller, expenses for 1911	41 21
Wellman Co., repairing wheelbarrow, etc	30 55
C. W. Johnson & Co., glazing	10 65
H. F. Walker, repairs	1 50
Medford Union, reseating chairs	76
W. B. Emery, reseating chairs, repairing flag	15 95
N. B. Cunningham, carpentry	424 65
F. A. Barrows, & Co. repairs	3 00
Wm. S. Richards, stock and labor	317 75
W. S. Sherman, reseating chairs	1 85

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Johnson Service Co., valves, etc.	$52 70
John H. Byron, mason work	262 40
Tutten Bros., labor	47 50
Anderson & Anderson, hardware, labor	55 50
L. G. Brown, plumbing, repairs	16 41
Charles H. Walley, glazing, painting	245 05
W. E. Bentley, repairing clock	1 50
Louis G. Bragdon, concreting	54 00
Lewis H. Lovering, repairs	260 00
Burditt & Williams Co., hardware	11 40
Wetherbee & Whitney, electrical work	109 68
Electric Goods Mfg. Co., electrical sundries	41 77
Pettingill-Andrews Co., electrical sundries	17 53
Braman, Dow & Co., brass and iron fittings	26 78
I. N. Holman, sharpening mowers, cleaning	2 75
Roberts Iron Works Co., retubing boilers	278 49
The H. B. Smith Co., grate bar	5 25
Eagle Oil & Supply Co., gauge	1 00
Kenney Bros. & Wolkins, reseating chair	1 00
	$3,147 92

Summer School.

Paid:

Teachers and stewards, as per pay rolls	$434 00
J. C. Miller, Jr., printing	5 75
Kenney Bros. & Wolkins, paper, pencils, etc	8 28
	$448 03

Text Books and Supplies.

Paid:

Yerxa & Yerxa, supplies for cooking class	$63 93
George A. Croudis, supplies for cooking class.	29 64
John J. Crowley, supplies for cooking class	14
P. Volpe & Sons, supplies for cooking class	3 11
F. E. Pierce, supplies for cooking class	1 90
Frank P. Peirce, labor on supplies	50 00
Laura P. Patten, assistant, laboratory supplies.	45 28
Percy S. Brayton, assistant, sundries	45 49
Lucy C. Thayer, cash paid for carfares, sundries	5 44

Digitized by the Medford Historical Society and Museum

Wm. A. Magoun, cloth	$1 60
James L. Sinclair, manual training supplies	31 43
Ellen M. Gill, tulips	2 25
E. Teel & Co., bass-wood	15 95
J. C. Miller, Jr., printing	2 40
McClellan's Express, expressing,	118 83
Pinder's Express, expressing	82 40
Smith's Express, expressing	1 00
Welch's Express, expressing	24 95
American Express Co., expressing	40 32
Savage's Express Co., expressing	80
Donoghue's Express, expressing	1 30
Kenney Bros. & Wolkins, general school supplies	2,613 53
Remington Typewriter Co., typewriters	370 00
Chandler & Barber, hardware	12 51
L. E. Knott Apparatus Co., laboratory supplies	109 62
Cambridge Botanical Supply Co., laboratory supplies	7 90
E. M. Drury, slides for laboratory	6 40
Whitall-Tatum Co., laboratory supplies	96 40
Underhill Bros., sharpening tools	9 24
Joseph Breck & Sons, seeds	50
G. E. Lyons & Co., laboratory supplies	2 50
Smith Premier Typewriter Co., typewriters, tables	360 00
Clark & Smith Co., wood	2 00
Geo. W. Blanchard & Co., wood	177 16
F. S. Webster Co., copying cloth	4 00
Eimer & Amend, chemical apparatus	16 59
Eastern Drug Co., laboratory supplies	30 31
Columbia School Supply Co., laboratory supplies	11 15
Central Scientific Co., laboratory supplies	25 44
Milton Bradley Co., paper, brushes, etc	156 78
Frost & Adams Co., paper, repairing	10 38
C. J. Bailey & Co., rubber tubing	6 73

Digitized by the Medford Historical Society and Museum

Houghton & Dutton Co., cooking utensils....	$14 61
Jordan Marsh Co., cooking utensils.....	12 93
Educational Pub. Co., books.....	18 74
D. C. Heath & Co., books.....	109 16
The Schoenhof Book Co., books.....	90 43
Ginn & Co., books.....	609 74
Allyn & Bacon, books.....	173 82
Houghton Mifflin Co., books.....	269 34
Edward E. Babb & Co., books.....	617 99
Johnson, Blagdon & Co., books.....	6 04
Little, Brown & Co., books.....	20 84
Atkinson, Mentzer & Grover, books.....	7 00
Silver, Burdette & Co., books.....	372 46
J. L. Hammett Co., books.....	31 07
American Book Co., books.....	644 63
Gregg Pub. Co., books.....	71 27
Young Folks' Educational League, books....	15 44
Thompson Brown Co., books.....	9 17
Teachers' College, books.....	1 50
C. C. Birchard & Co., books.....	25 30
F. L. Barnard & Co., books.....	211 81
Benj. H. Sanborn & Co., books.....	296 93
W. B. Clarke, Co. books.....	49 30
Lothrop, Lee & Shepard Co., books.....	4 00
D. Appleton & Co., books.....	15 04
Chas. E. Merrill Co., books.....	3 25
	$8,299 11

Vacation School.

Paid:

Teachers and stewards, as per pay rolls.....	$270 00

Water.

Paid:

Medford Water Division, water.....	$246 20

Digitized by the Medford Historical Society and Museum

SEALER OF WEIGHTS AND MEASURES.

Salary of Sealer.

Paid:	
Winslow Joyce, salary, one year to Jan. 1, 1912	$300 00

Expenses of Sealer of Weights and Measures.

Paid:	
Edward D. Spillane, assisting sealer	$19 00
Elliot C. Foster, assisting sealer	26 00
Winslow Joyce, cash paid for car fares, postage, etc	13 46
Medford Highway Dept., use of phone	1 15
J. C. Miller, Jr., printing	13 85
James L. Sinclair, tools	2 57
Page & Curtin, hardware	99
Dwight O. Collins, horse hire	45 00
Medford Pub. Co., advertising	3 38
American Express, expressing	52
Welch's Express, expressing	90
Geo. H. Mason Co., tinware	2 85
Moneyweight Scale Co., scale	18 00
The R. Woodman Mfg. & Supply Co., stamps, die	20 35
Globe Stamp Works, stamps, badge	3 73
Hobbs & Warren Co., stationery	15 65
Little Brown & Co., book	5 00
Boston Nickel Plating Co., plating	7 60
	$200 00

TREASURY DEPARTMENT.

Salary of City Treasurer.

Paid:	
Edward A. Badger, salary, Jan. 16, 1911, to Jan. 1, 1912	$1,583 47

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Treasury Department Expenses.

Paid:

Edward A. Badger, cash paid for car fares	$4 65
Frank C. Litchfield, clerical work	87 50
J. B. Simpson, services as paymaster	39 25
J. C. Miller, Jr., printing	32 35
Frank H. Peak, stationery	15 75
American Bank Note Co., furnishing checks	15 00
Hobbs & Warren Co., book	2 75
J. H. Thompson, team hire	22 50
Adams, Cushing & Foster, cash book	9 50
H. C. Derby, cushion stamp	60
Welch's Express, expressing	15
	$230 00

WATER AND SEWER DEPARTMENT.

Salaries of Commissioners.

One Year, to Jan. 1, 1912.

Paid:

Allison M. Stickney	$50 00
Fred W. Gow	50 00
Frank G. Grady	50 00
	$150 00

Brooks and Streams.

Paid:

Workmen, as per pay rolls	$331 38
Geo. W. Blanchard & Co., lumber	7 03
	$338 41

Sewer Construction.

Paid:

Workmen, as per pay rolls	$7,290 90
Fred L. Cushing, recording papers	9 35
Medford Engineering Dept., labor, tracings	901 68
Wm. P. Clark, brass, bushings and caps	4 50
Wellman Co., repairs	15 25

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Locke Coal Co., pipe	$2 70
Boston & Maine Railroad, freight, labor, supplies	1,923 94
Wm. H. Casey & Co., brick	334 05
Medford Highway Dept., openings, use of roller	28 00
Page & Curtin, hardware	77 29
Wm. N. Curtis, kerosene	15 60
J. E. Ober & Son, coke	11 00
James L. Sinclair, lanterns	6 55
Daniel J. Sullivan, sharpening tools	3 15
E. J. Hervey Co., exploders	2 13
Salvatore Camoia, contracting	10,478 32
P. H. Kirwan, sharpening tools	42 06
E, Teel & Co., bolts	1 80
D. Sahl, repairing shoes	6 00
P. A. Waldron, sharpening tools	12 36
Berry & Ferguson, pipe, cement	1,728 99
Fred'k. B. Witherly, manhole fixtures	668 41
J. Harris Aubin, land on Summer street	789 43
Geo. W. Blanchard & Co., lumber	336 76
Harold L. Bond Co., hose, jute packing	64 39
Perrin, Seamans & Co., pails, tools	109 08
William J. McCarthy Co., crushed stone	71 88
F. W. Webb, Mfg. Co., pipe	34 50
Medford Water Division, administration, stable, expense	3,890 00
Geo. A. Wellington, insurance	337 73
Arrow Rubber Co., rubber boots	31 85
New England Brick Co., brick	34 00
T. E. Littlefield, lumber	27 14
Standard Oil Co., of New York, oil	31 70
Walworth Mfg. Co.,	14 64
Union Cotton Mfg. Co., cloth	77 43
Old Colony Trust Co., cost of preparation and certification of Medford Sewerage Loan Act of 1909 Bonds	40 00
	$29,454 56

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Sewer Maintenance.

Paid:	
Workmen, as per pay rolls	$685 79
F. B. Blodgett, carpentry	19 08
Medford Highway Dept., openings	1 00
J. C. Miller, Jr., printing	4 50
Medford Pub. Co., advertising	7 88
Harold L. Bond Co., sewer brushes	6 40
Arrow Rubber Co., rubber boots	21 30
H. M. Sawyer & Son, oiled clothing	24 00
Perrin, Seamans & Co., rubber mittens	22 50
Medford Water Division, administration, stable, expense	155 00
	$947 45

Water Construction.

Paid:	
Workmen, as per pay rolls	$6,979 10
Wm. N. Curtis, kerosene	9 75
Page & Curtin, hardware	7 66
E. J. Hervey Co., exploders	11 85
Jas. L. Sinclair, shovels, lantern globes	69 58
F. B. Blodgett, carpentry	8 76
Wm. H. Casey & Co., brick	72 25
George H. Archibald, stock, milling	10 00
Medford Pub. Co., advertising	1 88
Medford Engineering Dept., labor	68 98
Daniel N. Howard, drugs	1 50
P. H. Kirwan, sharpening tools	4 49
Daniel J. Sullivan, sharpening tools	2 75
Wellman Co., drilling, repairs	313 05
Medford Highway Dept., openings, use of roller	26 33
J. C. Miller, Jr., printing	14 75
J. E. Ober & Son, coke	21 50
E. Teel & Co., bolts, labor	56 35
Medford Water Division, administration, stable, expense	3,314 00
J. W. Brogan, teaming	104 00

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Chelmsford Foundry Co., "C. I. Bend"	$4 00
Luke Coyne, shoeing, repairs	7 63
H. F. Walker, shoeing, leathers	1 75
P. A. Waldron, sharpening tools	57 65
Malden & Melrose Gas Light Co., gas	3 93
Fred L. Cushing, cash paid for recording papers, car fares	33 55
Smith's Express, expressing	1 25
Pinder's Express, expressing	7 00
Welch's Express, expressing	1 55
American Express Co., expressing	4 10
Boston & Maine Railroad, freight	746 36
Geo. W. Blanchard & Co., lumber	52 21
Hersey Mfg. Co., screws, meters	2,293 00
The Meter Appliance Co., nuts, frames, covers	179 05
National Meter Co., screws	63
Neptune Meter Co., meters, etc	55 68
Union Water Meter Co., meters, waste stops	84 00
Walworth Mfg. Co., cocks, unions, saw blades	224 14
Austin & Doten, wire	34 65
Chadwick-Boston Lead Co., lead	651 84
Frederick B. Witherly, gate boxes, rings	329 15
Builders Iron Foundry, machine parts	289 11
Globe Newspaper Co., advertising	5 55
Lead Lined Iron Pipe Co., lead pipe	1,508 56
Wm. J. McCarthy Co., crushed stone	31 29
H. Mueller Mfg. Co., cocks	355 16
R. D. Wood & Co., pipe	2,402 81
R. Woodman Mfg. & Supply Co., wire	9 00
Boston Herald, advertising	1 90
Kennedy Valve Mfg. Co., valves	286 69
Chas. Millar & Son Co., pipe	2,506 21
Renssellaer Valve Co., hydrants, hose, nozzles	1,194 30
Summer & Gerald, washers	6 75
F. W. Webb Mfg. Co., pipe, bushings, unions, valves	198 84
George A. Wellington, insurance	131 85
Berry & Ferguson, cement	44 00

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Harold L. Bond Co., spring brass	$1 00
New England Brick Co., brick	24 05
Perrin, Seamans & Co., hammers	31 06
Chas. A. Claflin & Co., packing	13 21
Standard Oil Co., of New York, gasoline	18 50
Standard Water Meter Co., meters	48 00
Henry B. Worthington, meters and sundries	1,335 24
National Lead Co., lead solder	303 85
Chapman Valve Mfg. Co., machine parts	5 60
Donaldson Iron Co., pipe	395 19
Norwood Engineering Co., hydrant	65 00
C. S. Knowles, gaskets	11 52
H. I. Dallman Co., brooms	6 50
	$27,102 39

Water Maintenance.

Paid:

Workmen, as per pay rolls	$6,671 80
Fred L. Cushing, Water Registrar, salary, 1 year, to Jan. 1, 1912	1,500 00
Fred L. Cushing, cash paid for cleaning office, etc	33 25
Orville J. Whitney, Superintendent, salary, 1 year, to Jan. 1, 1912	1,500 00
Orville J. Whitney, cash paid for sundries	7 10
Gertrude F. Byron, clerical work	374 40
Edith W. Kirk, clerical work	487 50
New England Telephone & Telegraph Co., rental and tolls, 1 year, to Dec. 1911	96 15
Chas. A. Lucia, repairing harness	38 00
Page & Curtin, hardware, ammonia	25 35
Luke Coyne, shoeing	114 84
Wm. N. Curtis, oil	12 20
J. C. Miller, Jr., printing	180 90
Jas. L. Sinclair, hardware	23 90
J. N. Cowin & Co., grain	216 77
Warren H. Keay, painting, glazing	16 86
John A. Morgan, toilet paper, disinfectant	3 85

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Malden Electric Co., light	$ 118 25
William Howe, repairing chair	1 75
E. J. Hervey Co., soap	2 83
W. C. Miles Co., labor, stock	5 75
John W. Enright, medicine	12 50
Malden & Melrose Gas Light Co., gas	45
H. F. Walker, shoeing	25 50
Wellman Co., repairs	146 40
D. Sahl, boots, repairs	18 30
E. Teel & Co., carriage repairs	278 58
Walker & Viles, shoeing	4 25
P. H. Kirwan, harness repairs	4 02
J. E. Ober & Son, coke	10 75
Wm. Reynolds, refund on account of overpaid rates	6 50
Dora W. Hills, refund on account of sale of premises	7 00
W. Q. Huey, cash overpaid	12 04
Frank H. Peak, stationery	6 60
Wm. A. Baker, bicycle supplies	16 95
M. Kuehl & Co., brooms	3 25
Louis G. Bragdon, repairs	16 50
R. G. Fraser, crash	1 25
Medford Ice Co., ice	5 65
Medford Gypsy & Brown Tail Moth Account, treating trees	1,374 12
Medford Highway Dept., openings, use of rollers	30 75
Medford Sealer of Weights and Measures	1 98
Phelps Bros., hay	401 77
Locke Coal Co., coal	145 99
C. H. Tinkham, pencils	25
Medford Highway Dept., tarvia patching	16 75
J. Henry Norcross, postage stamps	119 20
Wm. E. Ober, electrical supplies	5 09
American Express Co., expressing	8 80
Welch's Express, expressing	75

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Pinder's Express, expressing	$ 80
Boston & Maine Railroad, freight	1 55
Geo. W. Blanchard & Co., lumber	9 82
Coffin Valve Co., valve leathers	13 50
J. Cushing & Co., oats	230 52
Henry S. Harris & Son, salt, brick, etc.	5 95
Hersey Mfg. Co., discs, spindles, gears	38 08
C. H. Buck & Co., brass plates	13 50
Builders' Iron Foundry, machine parts	101 08
Joy Mfg. Co., wrench	1 50
City of Malden, water	9 94
Neptune Meter Co., discs, gears	35 23
William Pattner, detector, book	14 50
Thorp & Martin Co., dater, diary	6 98
Geo. E. Winslow, electrical work	4 09
Allen Shade Holder Co., ventilators	7 00
Automatic Time Stamp Co., stamp	35 70
Boston Nickel Plating Co., plating	4 20
Chapman Valve Mfg. Co., hardware	27 78
Malden Veterinary Hospital, visits	18 75
Ame & Co., food	15 00
A. E. Martell Co., paper, notices	13 40
National Meter Co., repairing meters	14 27
N. E. Druggist Pub. Co., printing	14 85
Walworth Mfg. Co., cocks, pipe	12 11
R. Estabrook's Sons, gate boxes, frame	46 95
Library Bureau, guides	21 05
F. W. Webb Mfg. Co., brass fittings	30 68
Connecticut Computing Machine Co., adding machine	372 40
Wm. Leavens & Co., coach	45 00
Wm. J. McCarthy Co., crushed stone	8 13
Frederick B. Witherly, gate boxes, flanges	53 10
Geo. T. Hoyt Co., recovering awning	13 00
Thomson Meter Co., meter parts, repairing	4 61
Adams, Cushing & Foster, stationery	4 10
Crosby Steam Gage & Valve Co., charts	4 00
Sampson & Murdock Co., directory	6 00
Vernon Street Garage, chasis and spring	746 00

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Geo. A. Wellington, insurance	$71 44
B. L. Makepeace, scales	2 16
Globe Newspaper Co., advertising	2 70
Perrin Seamans & Co., enamel duck	4 20
Welch, Dwyer & Grady, wagon repairs, painting	49 00
Chas. A. Claflin & Co., cotton waste	10 45
Summer & Gerald, couplings	7 50
Underwood Typewriter Co., repairs	60
Baker-Vawter Co., stationery supplies	14 95
Lead Lined Iron Pipe Co., lead pipe	332 16
Montague Mailing Machinery Co., addressor, etc	332 50
R. D. Wood & Co., pipe	331 64
	$17,277 81

Commonwealth of Massachusetts,	
Metropolitan Water Loan Sinking Fund	$6,662 23
Interest on	18,303 25
Cost of Maintenance	5,129 11
Serial Bonds	64 64
	$30,159 23

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CITY AUDITOR'S STATEMENT.

From the beginning of the Financial Year, January 1, 1911 to December 31, 1911, Inclusive

NAME OF ACCOUNT		Appropriations, Balances, Assm'ts.	Transfers from other accounts	Receipts	Total amount credited.	Transfers to other accounts	Expended to date.	Unexpended Balances.	Excess.
Aldermen's Contingent	App.	$500.00	$20.00		$520.00		$510.00	$10.00	
Armory	App.	1,100.00		900.00	2,000.00		2,000.00		
Bonds of City Officials (premiums)	App.	392.00	10.96		402.96		402.96		
Claims	Bal.	35.00							
	App.	50.00	36.06		121.06	50.00	71.06		
Charles River Basin Assm't.	Warrant	1,796.45			5,796.45		5,796.45		
	App.	4,000.00							
City Hall	App.	3,800.00		3.24	3,803.24	40.00	3,753.19	10.05	
Decoration and Care of Soldiers' Graves	App.	350.00			350.00		350.00		
Fire-proof Vault	App.	600.00							
	Bal.	1,400.00	50.00		2,050.00		1,038.95	1,011.05	
Income from Hoyle Fund	Bal.	8.94		43.64	52.58			52.58	
Insurance			409.05		409.05		409.05		
Interest	App.	61,000.00		10,739.64	71,739.64	2,764.70	68,813.33	161.61	
Interest on the Water Debt	Bal.	771.18		7,617.66	8,388.84		7,160.00	1,228.84	
Lorin L. Dame Schoolhouse	Bal.	343.54			343.54		103.30	240.24	
Metropolitan Park Tax	Warrant.	16,787.72			16,787.72		16,787.72		
Metropolitan Sewer Tax	Warrant.	22,263.45			22,263.45		22,263.45		
Metropolitan Water Tax			30,159.23		30,159.23		30,159.23		
Middlesex Avenue Bridge Assessment	Warrant.	1,237.26			1,237.26		1,237.26		
Middlesex County Tax	Warrant.	21,561.17			21,561.17		21,561.17		
Miscellaneous Account	App.	1,500.00	30.00		1,530.00		1,530.00		
Miscellaneous Credits				27,559.90	27,559.90	27,057.76	351.25	150.89	

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Mystic Valley Improvement	Bal.	512.15		250.00	762.15		25.85	736.30
Payment of City Debt	App.	2,000.00		69,990.89	71,990.89		69,539.42	2,451.47
Rifle Practice, Co. E. 5th Reg.	App.	250.00			250.00		250.00	
Safe and Equipping Assessors' Vault	Bal.	1,091.14	76.00		1,167.14		1,166.35	.79
Salaries	App.	6,930.00			6,930.00		6,924.62	5.38
Schoolhouses and Land	App.	78,000.00			78,000.00		44,614.42	33,385.58
Sinking Funds	App.	37,510.41		330.00	37,840.41		37,840.41	
Soldiers' Relief	App.	2,600.00	107.00	5.00	2,712.00		2,712.00	
Spot Pond Suit Expenses	Bal.	3,622.79		52.01	3,674.80		2,839.68	835.12
State Highway Tax	Warrant.	43.00			43.00		43.00	
State Tax	Warrant.	33,770.00			33,770.00		33,770.00	
Telephones (City Hall)	App.	320.00			320.00		317.40	2.60
Assessing Department.								
Salaries of Assessors and Clerk	App.	2,650.00			2,650.00		2,650.00	
Assessors' Expenses	App.	1,500.00			1,500.00		1,500.00	
Auditing Department.								
Salary of City Auditor	App.	1,200.00			1,200.00		1,200.00	
Expenses, Books, Printing, etc.	App.	250.00			250.00		241.65	8.35
Printing Reports (binding, etc.)	App.	750.00			750.00	36.00	707.90	6.10
Cemetery Department.								
Salaries of Trustees	App.	200.00			200.00		200.00	
Care of Cemeteries	App.	3,400.00		5,593.21	8,993.21		8,985.49	7.72
City Clerk's Department.								
Salary of City Clerk	App.	1,500.00			1,500.00		1,500.00	
Expenses, including Assistant	App.	1,250.00		25.50	1,275.50		1,273.81	1.69
Canvassing Births (return of births and deaths)	App.	350.00			350.00		348.78	1.22
Election Expenses	App.	2,500.00			2,500.00	420.00	2,056.30	23.70
Printing and Advertising Ordinances	App.	100.00			100.00		26.25	73.75
State Aid			595.50	4,807.50	5,403.00		5,403.00	

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NAME OF ACCOUNT		Appropriations, Balances, Assm'ts.	Transfers from other accounts.	Receipts.	Total amount credited.	Transfers to other Accounts.	Expended to date.	Unexpended Balances.	Excess.
Collecting Department.									
Salary of City Collector	App.	1,350.00			1,350.00		1,350.00		
Expenses, including Clerks	Bal.	277.61							
	App.	2,200.00			2,477.61		2,146.05	331.56	
							2,846.25		
Estates Bought at Sale for Taxes				1,079.30	1,079.30		2,041.22		3,808.17
Income from Estates taken for Taxes	Bal.	254.80		778.64	1,033.44		529.41	504.03	
Electrical Department.									
Salary of Supt. of Wires and Gas Fitting	App.	1,200.00			1,200.00		1,200.00		
Electrical Department Expenses	App.	300.00	20.00	20.50	340.50		331.34	9.16	
Repairing Fire Alarm System	App.	300.00	200.00	14.37	514.37		514.27	.10	
Street Lights	App.	22,000.00			22,000.00		21,835.82	164.18	
Engineering Department.									
Engineering Dept. Expenses	App.	1,350.00		970.66	2,320.66		2,319.74	.92	
Fire Department.									
Salaries of Engineers and Firemen	App.	21,150.00		.63	21,150.63	200.00	20,906.44	44.19	
Decoration of Firemens' Graves	App.	50.00			50.00		50.00		
Horses, Hose and Repairs	App.	4,000.00		375.00	4,375.00		3,963.05	411.95	
Ordinary Expenses	App.	5,000.00		4.91	5,004.91		5,004.27	.64	
Telephones	App.	200.00			200.00		130.39	69.61	
Health Department.									
Salaries of Board of Health	App.	150.00			150.00		150.00		

Salary of Inspector of Meats and Provisions	App.	100.00			100.00		100.00		
Salary of Inspector of Milk and Vinegar	App.	400.00			400.00		400.00		
Salary of Insp. of Plumbing	App.	1,000.00			1,000.00		1,000.00		
Health Dept. Exp. Inc. Clerk and Inspector of Health	App.	2,000.00			2,000.00		1,994.34	5.66	
Contagious Diseases	App.	1,000.00	1,037.20	233.13	2,270.33		2,199.63	70.70	
Highway Department.									
Salary of Street Commissioner	App.	1,600.00			1,600.00		1,600.00		
Salary of Supt. of Moth Suppression	App.	400.00			400.00		400.00		
Ashes (collection of)	App.	5,500.00	850.00	10.00	6,360.00		6,360.00		
Auburn Street and Bridge	Bal.	3,648.66			3,648.66		3,648.66		
Bridges	App.	100.00		3.32	103.32		103.32		
Care of Trees	App.	400.00		214.47	614.47		607.66	6.81	
Collection of House Offal	App.	4,000.00		2,166.67	6,166.67	812.00	5,354.67		
General Repairs of Highways	Bal.	3,947.20							
	App.	8,000.00		30,007.89	41,955.09		40,283.04	1,672.05	
Gypsy and Brown Tail Moths	Bal.	311.15							
	Assmts.	2,309.19							
	App.	5,000.00		4,010.89	11,631.23		9,871.88	1,759.35	
Gravel and Dirt Sidewalks			500.00		500.00		500.00		
Guide Boards and Street Signs	App.	200.00		5.00	205.00		177.87	27.13	
Leopard Moth and Elm-tree Beetle	App.	1,150.00		45.45	1,195.45		992.26	203.19	
Magoun Avenue and Pembroke Street Drain	App.	1,200.00			1,200.00		1,198.46	1.54	
Paving Gutters	App.	500.00		41.19	541.19	38.00	487.28	15.91	
Quincy Street	Bal.	338.94			338.94		31.06	307.88	
Resurfacing Concrete Walks	App	1,600.00			1,600.00		1,599.34	.66	
Setting out Trees	App.	300.00		2.00	302.00		299.63	2.37	
Sidewalks and Edgestones	Bal.	207.02							
	Assmts.	3,940.93							
	App.	7,700.00		919.33	12,767.28		11,072.01	1,695.27	
Snow (removal of)	Bal.	2,154.48		500.00	2,654.48		2,105.18	549.30	
Special Street Signs			60.00		60.00		55.82	4.18	

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CITY AUDITOR'S STATEMENT—*Continued.*

NAME OF ACCOUNT		Appropriations, Balances, Assesm'ts.	Transfers from other accounts	Receipts.	Total amount credited.	Transfers to other accounts	Expended to date.	Unexpended Balances.	Excess.
Street Numbering	App.	25.00	.....	.....	25.00	.....	24.97	.03	.....
Surface Drains	App.	3,300.00	1,000.00	.....	4,300.00	.....	4,240.07	59.93	.....
Touro Avenue	Bal.	458.56	.....	.....	458.56	.....	.....	458.56	.....
Watering Streets	Assmts.	12,209.29	.....	.....	.....	.....	.....	.....	.....
	Bal.	1,279.88	.....	210.08	13,699.25	.....	11,080.03	2,619.22	.....
Winthrop Street Bridge		.....	300.00	.....	300.00	.....	233.32	66.68	.....
Inspection Department.									
Salary of Insp. of Buildings	App.	700.00	.....	.....	700.00	.....	700.00	.....	.....
Expenses of Inspection Dept.	App.	350.00	.....	.....	350.00	.....	245.36	104.64	.....
Park Department.									
Public Commons, including Play-Grounds	App.	2,500.00	65.00	66.50	2,631.50	.....	2,631.03	.47	.....
Police Department.									
Salaries of Policemen	App.	23,221.25	.....	.....	23,221.25	.....	23,090.57	130.68	.....
Special Police, and other expenses	App.	3,500.00	475.00	.....	3,975.00	.....	3,942.32	32.68	.....
Police Auto	App.	2,500.00	.....	.....	2,500.00	.....	.....	2,500.00	.....
Public Library Department.									
General Expenses (including salaries and janitor)	App.	7,300.00	.....	2,146.62	9,446.62	.....	9,446.62	.....	.....
Agencies (including expressing)	App.	366.00	.....	.....	366.00	.....	366.00	.....	.....
Relief of Poor Department.									
Salaries of Overseers and Sec.	App.	750.00	.....	.....	750.00	.....	750.00	.....	.....

Almshouse	App.	4,200.00	215.00	585.71	5,000.71		4,982.11	18.60	
Almshouse Repairs	App.	250.00			250.00		247.88	2.12	
Horse	App.	150.00		75.00	225.00		151.50	73.50	
Outside Relief	App.	4,000.00	820.00	1,662.74	6,482.74		6,478.77	3.97	
School Department.									
Salaries of Com. and Sec.	App.	850.00			850.00		850.00		
Salary of Superintendent	App.	3,000.00			3,000.00		3,000.00		
Salaries of Teachers and Subs.	App.	101,715.00			101,715.00	150.00	101,103.00	462.00	
Stewardship (including Truant Officer)	App.	10,423.00			10,423.00		10,423.00		
Contingent	App.	3,200.00		632.00	3,832.00		3,831.17	.83	
Evening School	App.	1,000.00	106.97	59.27	1,166.24		1,165.33	.91	
Fuel	App.	12,000.00			12,000.00		12,000.00		
Medical Inspection	App.	200.00			200.00		200.00		
Repairs	App.	2,800.00	75.00	273.00	3,148.00		3,147.92	.08	
Summer School	App.	500.00			500.00	51.97	448.03		
Text Books and Supplies	App.	8,300.00			8,300.00		8,299.11	.89	
Vacation School	App.	250.00	20.00		270.00		270.00		
Water	App.	246.20			246.20		246.20		
Sealer of Weights and Measures.									
Salary of Sealer	App.	300.00			300.00		300.00		
Expenses of Sealer	App.	200.00			200.00		200.00		
Treasury Department.									
Salary of City Treasurer	App.	1,650.00			1,650.00	30.00	1,583.47	36.53	
Treasury Dept. Expenses	App.	200.00	30.00		230.00		230.00		
Water and Sewer Department.									
Salaries of Commissioners	App	150.00			150.00		150.00		
Brooks and Streams	App.	300.00	100.00		400.00		338.41	61.59	
Sewer Construction	Bal.	8,814.33							
	Assmts.	16,139.11							
	App.	5,000.00		358.80	30,312.24		29,454.56	857.68	
Sewer Maintenance	App.	1,200.00		21.47	1,221.47	100.00	947.45	174.02	
Water Maintenance	House Conn.	431.25							
	Bal.	135.78		80,835.07	81,402.10	52,709.28	17,277.81	11,415.01	
Water Construction	House Conn.	2,123.78	22,550.05	2,428.56	27,102.39		27,102.39		

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CITY AUDITOR'S STATEMENT—*Continued.*

NAME OF ACCOUNT	Appropriations, Balances, Assesm'ts.	Transfers from other accounts	Receipts.	Total amount credited.	Transfers to other accounts	Expended to date.	Unexpended Balances.	Excess
	$688,774.61	$59,918.02	$258,676.36	$1,007,368.99	$84,459.71	$859,373.46	$67,343.99	$3,808.17
Appropriations		24,541.69						
Bonds			91,000.00					
Notes			7,200.00					
Notes in Anticipation of Taxes			400,000.00			395,000.00		
Perpetual Care Fund			761.00			761.00		
City Collector—Taxes,			503,520.98			259.57		
City Collector—Sewer Connections,			2,887.96					
City Collector—Sewer Connections, Apportioned,			369.58					
City Collector—Sewer Connections Added to Taxes,			1,132.37					
City Collector—Sewer Assessments,			3,543.18					
City Collector—Sewer Apportionments,			594.94					
City Collector—Sidewalk Applications,			989.07					
City Collector—Sidewalk Assessments,			2,400.01					
City Collector—Sidewalk Apportionments,			876.21					
City Collector—Watering Assessment			11,143.29					
City Collector—Gypsy and Brown Tail Moth Assessment			1,839.72			6.10		
City Collector—Water Connections			2,663.54					
Cash in Treasury, Jan. 1, 1911			59,859.73					
Cash in Treasury, Jan. 1, 1912						96,904.06		
						$1,352,304.19		
Deduct the debit balance Jan. 1, 1911, of Estates Bought at Sale for Taxes						2,846.25		
		$84,459.71	$1,349,457.94		$84,459.71	$1,349,457.94		

BALANCES.

(or Assets and Liabilities).

January 1, 1912.

	Dr.	Cr.
*a*Fire Proof Vault		$1,011 05
Income from Hoyle Fund		52 58
Interest on the Water Debt		1,228 84
*b*Lorin L. Dame Schoolhouse		240 24
Mystic Valley Improvement		736 30
Payment of City Debt		2,451 47
*b*Schoolhouses and Land		33,385 58
Spot Pond Suit Expenses		835 12
Estates bought at sale for taxes	$3,808 17	
Income from Estates taken for Taxes		504 03
*c*General Repairs of Highways		1,672 05
*d*Gypsy and Brown Tail Moths		1,759 35
*a*Quincy Street		307 88
*b*Sidewalks and Edgestones		1,695 27
*c*Snow		549 30
*e*Touro Avenue		458 56
*d*Watering Streets		2,619 22
*f*Police Auto		2,500 00
*b*Sewer Construction		857 68
*g*Water Maintenance		11,415 01
City Treasurer, (cash in Treasury, Jan. 1, 1912)	96,904 06	
Taxes	225,491 50	
Sewer connections	1,467 06	
Sewer connections added to Taxes	1,288 74	
Sewer Connections, Apportioned	304 85	
Sewer Assessments		1,644 07
Sewer Apportionments	10,907 05	
Sidewalk Applications	92 39	
Sidewalk Assessments	2,154 13	
Sidewalk Apportionments	439 04	

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Gypsy and Brown Tail Moth Assessment	$1,265 05	
Watering Assessment	5,126 99	
Water Connections	532 78	
Betterments	588 15	
Excess and Deficiency		$ 36,846 36
Appropriations	2,500 00	
Tax Sale Premium		100 00
Notes in Anticipation of Taxes		250,000 00
Public Property	1,308,300 00	
Property and Debt Balance	367,582 54	
Bonds		1,319,000 00
Notes		356,882 54
	$2,028,752 50	$2,028,752 50

a Notes
b Bonds
c Street Railway Tax
d Assessments
e Betterments
f Notes for $2,000 authorized
g Water Rates

Sewer Assessments Apportioned.

The amount of apportionments to be committed by the Assessors to the City Collector for collection in future years, as reported on page 120 of the report dated Jan. 1, 1911, was		$2,260 34
Apportioned during 1911		2,583 73
		$4,844 07
Committed to Collector in 1911	$920 58	
Paid in advance in 1911	198 74	1,119 32
Balance to be committed in future years		$3,724 75

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Sewer Connections Apportioned.

Jan. 1, 1911, balance to be committed in future years, was		$1,090 59
Apportioned during 1911		721 93
		$1,812 52
Committed to Collector in 1911	$420 70	
Paid in advance in 1911	55 91	476 61
Balance to be committed in future years		$1,335 91

Sidewalk Assessments Apportioned.

Jan. 1, 1911. Balance to be committed in future years, was		$1,019 50
Apportioned during 1911		600 99
		$1,620 49
Committed to Collector in 1911	$606 76	
Paid in advance in 1911	44 11	$650 87
Balance to be committed in future years		$969 62

Miscellaneous Bills.

All miscellaneous bills which are due to the several departments of the City (except the Cemetery Department) are first sent to the City Auditor's office where they are recorded, numbered and sent to the party designated, and a memorandum of the items is given to the City Collector.

The books of this department show the amount remaining uncollected Jan. 1, 1912, to have been for the following accounts:

Sewer Construction	$148 22
General Repairs of Highways	513 08
Outside Relief	213 34
Gypsy and Brown Tail Moths	1,597 50
Almshouse	184 60

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Sidewalks and Edgestones	$4 92
Sand and Gravel Pits	3 00
Setting Out Trees	11 00
Care of Trees	38 00
Contagious Diseases	90 00
Bridges	35 00
Sewer Maintenance	7 73
Public Schools Contingent	497 00
Leopard Moth and Elm Tree Beetle	55
Ashes	2 07
Watering Streets	11 99
Miscellaneous Credits	1 98
Public Commons	125 90
Income from Estates taken for Taxes	22 50
	$3,508 38

Coupons Unpaid Dec. 31, 1911.

Water Fund Bonds, due Oct. 1910	$40 00
Water Fund Bonds, due April, 1910	40 00
Water Fund Bonds, due Oct., 1911	60 00
Sewerage Loan, due Aug., 1911	40 00
Municipal Loan, due July, 1911	200 00
Municipal Loan, due Nov., 1911	20 00
	$400 00

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The Bureau of Statistics require the City Auditor to submit to them the Debt Statement on blanks prepared by them and known as Schedule C.

The Commonwealth of Massachusetts Bureau of Statistics.

SCHEDULE C.

Statement of Debt.

Total General Debt	$1,478,882 54	
Sinking Funds	874,796 33	
Net General Debt		$604,086 21
Total Cemetery Debt	$18,000 00	
Sinking Fund	17,289 78	
Net Cemetery Debt		710 22
		$604,796 43
Sinking Fund, Public Service Enterprise Debt	$187,002 30	
Total Public Service Enterprise Debt	179,000 00	
Surplus of Public Service Enterprise Sinking Fund		8,002 30
Total Net Debt		$596,794 13
Total in Bonds outstanding	$1,319,000 00	
Total in Notes outstanding	356,882 54	
	$1,675,882 54	
Total Sinking Funds	1,079,088 41	
		$596,794 13

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STATEMENT OF THE PUBLIC DEBT AND SINKING FUNDS OF THE CITY OF MEDFORD, FISCAL YEAR ENDING DECEMBER 31, 1911, SHOWING THE PURPOSE FOR WHICH EACH ITEM OF THE DEBT WAS CREATED AND THE PROVISION FOR THE PAYMENT OF THE SAME.

Date of Issue	LOANS — Purpose of Creation	Registered or Coupon	Rate per Cent	Date of Maturity	How Payable	Amount Outstanding
Jan. 1, 1894	Water Fund Bonds	Coupon	4	1912 to 1922	Sinking Fund	$40,000.00
Oct. 1, 1894	" " "	"	4	1914 to 1919	" "	30,000.00
Dec. 1, 1894	" " "	"	4	Dec. 1, 1922	" "	25,000.00
July 1, 1895	" " "	"	4	1916 to 1923	" "	53,000.00
July 1, 1897	" " "	"	4	July 1, 1923	" "	16,000.00
Mar. 15, 1910	Public Building Bonds	Registered	4	July 1, 1913	" "	2,000.00
Mar. 15, 1910	Park Bonds	"	4	Feb. 1, 1930	" "	6,000.00
Mar. 15, 1910	" "	"	4	July 1, 1932	" "	3,000.00
Mar. 15, 1910	Metropolitan Assessment Bonds	"	4	Nov. 1, 1932	" "	27,000.00
July 1, 1895	Public Building Bonds	Coupon	4	July 1, 1912	" "	6,000.00
July 1, 1893	" " "	"	4	July 1, 1913	" "	36,000.00
July 1, 1895	" " "	"	4	July 1, 1915	" "	18,000.00
Nov. 1, 1894	" " "	"	4	Nov. 1, 1914	" "	56,000.00
Aug. 1, 1898	" " "	"	4	Aug. 1, 1918	" "	80,000.00
Mar. 1, 1899	" " "	"	4	Mar. 1, 1919	" "	35,000.00
July 2, 1894	Sewerage Bonds	"	4	July 1, 1915	" "	10,000.00
July 2, 1894	" "	"	4	July 1, 1924	" "	10,000.00
Oct. 1, 1894	" "	"	4	Oct. 1, 1915	" "	10,000.00
Oct. 1, 1894	" "	"	4	Oct. 1, 1924	" "	10,000.00
Aug. 1, 1895	" "	"	4	Aug. 1, 1916 to 1923	" "	161,000.00
July 1, 1896	" "	"	4	July 1, 1925	" "	20,000.00
July 1, 1896	" "	"	4	July 1, 1926	" "	41,000.00
May 1, 1909	" "	"	4	May 1, 1939	" "	5,000.00
Sept. 1, 1909	" "	"	4	Sept. 1, 1939	" "	5,000.00

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STATEMENT OF THE PUBLIC DEBT AND SINKING FUNDS OF THE CITY OF MEDFORD—Continued.

Date of Issue	LOANS — Purpose of Creation	Registered or Coupon	Rate per Cent	Date of Maturity	How Payable	Amount Outstanding
Sept. 1, 1910	Sewerage Bonds	Coupon	4	Sept. 1, 1940	Sinking Fund	$15,000.00
Sept. 1, 1911	" "	"	4	Sept. 1, 1941	" "	5,000.00
May 1, 1897	Municipal Bonds	"	4	May 1, 1917	" "	198,000.00
Jan. 1, 1898	" "	"	4	Jan. 1, 1918	" "	100,000.00
Feb. 1, 1900	Park Bonds	"	4	Feb. 1, 1930	" "	6,000.00
July 1, 1902	" "	"	4	July 1, 1932	" "	17,000.00
Dec. 1, 1894	Playground Bonds	"	4	Dec. 1, 1914	" "	9,000.00
May 1, 1903	" "	"	4	May 1, 1932	" "	9,000.00
May 1, 1903	Lincoln Schoolhouse Bonds	"	4	May 1, 1922	" "	45,000.00
June 1, 1904	City Stable Bonds	"	4	June 1, 1924	" "	15,000.00
May 1, 1907	Schoolhouse Improvement Bonds	"	4	May 1, 1927	" "	14,000.00
Aug. 1, 1908	" Bonds	"	4	Aug. 1, 1928	" "	95,000.00
Sept. 1, 1911	School Bonds	"	4	Sept. 1, 1912 to 1931	Serial	78,000.00
Aug. 1, 1911	Sidewalk Bonds	"	4	Aug. 1, 1912 to 1919	"	8,000.00
Jan. 1, 1903	Oak Grove Cemetery Extension	.....	4	Jan. 1, 1913	Sinking Fund	18,000.00
July 15, 1903	Schoolhouse Sewer Connections	.....	4	July 15, 1913	" "	12,500.00
Dec. 1, 1903	Land on Harvard Avenue	.....	4	Dec. 1, 1913	" "	4,000.00
Dec. 1, 1904	High Street	Coupon No. 1	4	Dec. 1, 1914	" "	17,500.00
Dec. 1, 1904	Lincoln Schoolhouse	Coupon 2	4	Dec. 1, 1913	" "	3,450.00
Dec. 1, 1904	Benham Street District Drain	Coupon 3 and 4	4	Dec. 1, 1914	" "	2,000.00
Dec. 1, 1904	Sidewalks and Edgestones	Coupon 5 to 14	4	Dec. 1, 1914	" "	10,000.00
Dec. 1, 1904	Revision of Ordinances, Gypsy and Brown Tail Moths, City Stable, Ambulance, and Tower Clock	Coupon 15	4	Dec. 1, 1914	" "	6,500.00
Jan. 2, 1905	Woburn Street District Drain	" 17	4	Jan. 1, 1915	" "	3,650.00
July 1, 1905	Police Signal Service, High Street	" 18	4	July 1, 1915	" "	5,643.24
July 1, 1905	James Schoolhouse	Coupon 19 and 20	4	July 1, 1915	" "	28,000.00

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STATEMENT OF THE PUBLIC DEBT AND SINKING FUNDS OF THE CITY OF MEDFORD—Continued.

Date of Issue	LOANS — Purpose of Creation	Registered or Coupon	Rate per Cent	Date of Maturity	How Payable	Amount Outstanding
Dec. 1, 1905	Gypsy and Brown Tail Moths	Coupon 21	4	Dec. 1, 1915	Sinking Fund	$5,000.00
Dec. 1, 1905	High Street Widening	" 22	4	Dec. 1, 1915	" "	2,300.00
Dec. 1, 1905	Governor's Avenue Drain	" 23	4	Dec. 1, 1915	" "	1,700.00
Dec. 1, 1905	Auburn Street and Bridge	" 24	4	Dec. 1, 1913	" "	9,000.00
Jan. 1, 1906	Usher Road Extension, City Stables, George Street Drain, Basin and Drain in Tainter Street, Forest Street Widening, Woburn Street District Drain	" 27	4	Jan. 1, 1916	" "	5,000.00
Jan. 1, 1906	Repairs to Steam Fire Engine, Bow Street	" 28	4	Jan. 1, 1916	" "	2,500.00
May 1, 1906	Gypsy and Brown Tail Moths	" 29	4	May 1, 1916	" "	5,000.00
Aug. 1, 1906	Sidewalks and Edgestones	" 30	4	Aug. 1, 1916	" "	5,000.00
Aug. 1, 1906	Middlesex Avenue Bridge Assessment	" 31	4	Aug. 1, 1916	" "	11,000.00
Sept. 1, 1906	Land on Boston Avenue	" 32	4	Sept. 1, 1916	" "	2,400.00
Dec. 1, 1906	Winthrop Street Bridge, Usher Road Extension, Forest Street Widening, Bookcases, James Schoolhouse Addition, Amaranth Avenue Drain, Paving Gutters, Basin and Drain in Salem Street, Basin and Drain in Hadley Place, Basin and Drain in Lawrence Street, Sidewalks and Edgestones, Lambert Street, Benham Street District Drain	" 34	4	Dec. 1, 1916	" "	11,000.00
Dec. 1, 1906	Water Construction	Coupon 35 and 36	4	Dec. 1, 1926	" "	15,000.00
Jan. 1, 1907	Land on George Street	Coupon 37	4	Jan. 1, 1927	" "	7,000.00
July 1, 1907	Fence Cemetery Department, Book Stacks and Equipment	" 38	4	July 1, 1917	" "	5,000.00
Aug. 1, 1907	Repairs, painting, etc., School Department	Coupon 39A, 39B	4	Aug. 1, 1917	" "	7,500.00
Aug. 1, 1907	Sidewalks and Edgestones	" 40A, 40B	4	Aug. 1, 1917	" "	7,000.00

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STATEMENT OF THE PUBLIC DEBT AND SINKING FUNDS OF THE CITY OF MEDFORD—Continued.

Date of Issue	LOANS — Purpose of Creation	Registered or Coupon	Rate per Cent	Date of Maturity	How Payable	Amount Outstanding
Sept. 1, 1907	Tufts Park, Foot Bridge, Middlesex Avenue Bridge Assessment	Coupon 41 and 41A	4	Sept. 1, 1917	Sinking Fund	$10,800.00
Jan. 1, 1908	Touro Avenue, Tufts Park, Fire Alarm Box, James Schoolhouse Addition, Fence Swan Schoolhouse Gypsy and Brown Tail Moths, Arlington Street District Drain, Basin and Drain in Lawrence Street, Basin and Drain in Crescent Street	Coupon 42	4	Jan. 1, 1918	" "	12,000.00
Jan. 1, 1908	Gypsy and Brown Tail Moths	" 43	4	Jan. 1, 1918	" "	1,939.30
Jan. 1, 1908	Vault Fittings, Cemetery Brook, Changing Wires at Central Fire Station	" 44	4	Jan. 1, 1918	" "	1,300.00
Jan. 1, 1908	Governor's Avenue	" 45	4	Jan. 1, 1918	" "	12,000.00
July 1, 1908	Land Adjoining High School Lot	Coupon 51 to 62	4	July 1, 1928	" "	12,000.00
Oct. 1, 1908	Concrete Sidewalks	Coupon 63	4	Oct. 1, 1918	" "	4,500.00
Oct. 1, 1908	Steam Road Roller	" 64	4	Oct. 1, 1918	" "	3,000.00
Dec. 1, 1908	Middlesex Avenue Bridge Assessment	" 65	4	Dec. 1, 1918	" "	8,000.00
Dec. 1, 1908	Horses for Fire Department	" 66	4	Dec. 1, 1913	" "	1,700.00
Dec. 22, 1908	Public Schools Contingent Account	" 67	4	Dec. 22, 1913	" "	2,500.00
May 1, 1909	Gypsy and Brown Tail Moths	" 68	3½	May 1, 1919	" "	10,000.00
May 1, 1909	Sidewalks and Edgestones	Coupon 78 to 82	3½	May 1, 1919	" "	2,500.00
July 1, 1909	" " "	" 91 to 94	4	July 1, 1919	" "	4,000.00
Sept. 1, 1909	" " "	Coupon 95	4	Sept. 1, 1919	" "	2,200.00
Sept. 1, 1909	Repairing Schoolhouses	" 96	4	Sept. 1, 1919	" "	2,000.00
Oct. 1, 1909	Sidewalks and Edgestones	" 97	4	Oct. 1, 1919	" "	1,000.00
Oct. 1, 1909	General Repairs of Highways	" 98	4	Oct. 1, 1919	" "	3,000.00
Dec. 1, 1909	Quincy Street	" 99	4	Dec. 1, 1919	" "	1,500.00
Dec. 1, 1909	Claims—settlement of Sullivan *vs.* City of Medford	" 100	4	Dec. 1, 1919	" "	5,000.00
Dec. 1, 1909	Gypsy and Brown Tail Moths	" 101	4	Dec. 1, 1919	" "	10.000.00

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STATEMENT OF THE PUBLIC DEBT AND SINKING FUNDS OF THE CITY OF MEDFORD—Continued.

Date of Issue	LOANS — Purpose of Creation	Registered or Coupon	Rate per Cent	Date of Maturity	How Payable	Amount Outstanding
July 1, 1910	Gypsy and Brown Tail Moths	Coupon 102	4	July 1, 1920	Sinking Fund	$5,000.00
July 1, 1910	Concrete Walks (School Department)	" 103	4	July 1, 1915	" "	1,000.00
July 1, 1910	Middlesex Avenue Bridge Assessment (1909)	" 104	4	July 1, 1920	" "	8,000.00
Nov. 1, 1910	" " " " (1910)	" 105	4	Nov. 1, 1920	" "	8,000.00
Nov. 1, 1910	Cedar Road	" 106	4	Nov. 1, 1915	" "	1,000.00
Dec. 1, 1910	Safe and Equipping Vault	" 107	4	Dec. 1, 1920	" "	1,100.00
May 1, 1911	Fire Proof Vault	" 108	4	May 1, 1916	" "	2,000.00
May 1, 1911	Magoun Avenue and Pembroke Street Drain	" 109	4	May 1, 1921	" "	1,200.00
Jan. 1, 1908	Insurance	" 50	4	Jan. 1, 1913	Serial	2,000.00
Nov. 1, 1911	Charles River Basin Assessment Loan	" 1	4	Nov. 1, 1913	"	1,000.00
Nov. 1, 1911	" " " " "	" 2	4	Nov. 1, 1914	"	1,000.00
Nov. 1, 1911	" " " " "	" 3	4	Nov. 1, 1915	"	1,000.00
Nov. 1, 1911	" " " " "	" 4	4	Nov. 1, 1916	"	1,000.00
						$1,675,882.54
April 29, 1911	Anticipation of Taxes			Jan. 5, 1912		$50,000.00
May 25, 1911	" " "			Feb. 1, 1912		50,000.00
June 6, 1911	" " "			Feb. 29, 1912		50,000.00
July 13, 1911	" " "			April 3, 1912		50,000.00
Oct. 23, 1911	" " "			May 1, 1912		50,000.00
						$250,000.00

Maturity of Bonds. (*$1000 each.*)

Serial	Date of Maturity	Water	Public Building	Municipal	Sewerage	Park	Playground	Lincoln Schoolhouse	Schoolhouse Improvement	Metropolitan Park Assessment	City Stable	Schoolhouse Loan of 1908	Payable from Sinking Funds
5	1912	4	6										10
5	1913	4	38										42
5	1914	9	56				9						74
5	1915	4	18		20								42
5	1916	10			18								28
5	1917	5		198	20								223
5	1918	8	80	100	10								198
5	1919	28	35		20								83
4	1920	19			15								34
4	1921	18			23								41
4	1922	29			25			45					99
4	1923	26			30								56
4	1924				20						15		35
4	1925				20								20
4	1926				41								41
4	1927								14				14
4	1928											95	95
4	1929												
3	1930					12							12
3	1931												
	1932					20	9			27			56
	1939				10								10
	1940				15								15
	1941				5								5
86	Totals	164	233	298	292	32	18	45	14	27	15	95	1,233

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SINKING FUNDS.

See Report of Commissioners of Sinking Funds, dated January 1, 1912.

*Water Loan Sinking Fund (including $15,000 in notes issued for water purposes)	$187,002.30
*Public Building Loan	233,150.54
*Sewerage Loan *Sewerage Loan Act of 1909	156,439.87
*Park Loan	30,722.00
*Public Playground Loan	14,572.07
*Metropolitan Park Assessment Loan	10,139.23
†Lincoln Schoolhouse Loan	18,279.21
†City Stable Loan	6,112.17
†Schoolhouse Improvement Loan	2,344.89
†Schoolhouse Loan of 1908	17,046.29
†Municipal Loan	242,540.38
†Oak Grove Cemetery Extension (Note for $18,000, due 1913)	17,289.78
†Schoolhouse Sewer Connections (Note for $12,500, due 1913)	12,160.51
†Coupon Notes amounting to $301,382.54, also Note for $4,000, due 1913	131,289.17
	$1,079,088.41

*Outside of the Debt Limit, $632,026.01.
†Within the Debt Limit, $447,062.40.

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CONDENSED STATEMENT OF DEBT AND SINKING FUNDS JANUARY 1, 1912.

	Issued Chap.	Under Acts of		Out-standing	Net
Notes No. 35 and 36 issued for Water Purposes			Outside Debt Limit	$15,000.00	
Water Fund Bonds	98	1893	" " "	164,000.00	
Public Building Loan Bonds	167 221	1893 1898	" " "	233,000.00	
Sewerage Loan Bonds	180 296	1893 1909	" " "	292,000.00	
Park Loan Bonds	176 338	1898 1902	" " "	32,000.00	
Playground Loan Bonds	225 28	1893 RL	" " "	18,000.00	
Metropolitan Park Assessment Bonds	325	1902	" " "	27,000.00	
				$781,000.00	
Deduct Sinking Funds				632,026.01	$148,973.99
Municipal Loan Bonds	212	1897	Within Debt Limit	$298,000.00	
Lincoln Schoolhouse Bonds	27	R.L.	" " "	45,000.00	
City Stable Bonds	27	R.L.	" " "	15,000.00	
Schoolhouse Improvement Bonds	27	R.L.	" " "	14,000.00	
Schoolhouse Loan of 1908 Bonds	27	R.L.	" " "	95,000.00	
School Loan of 1911 Bonds			" " "	78,000.00	
Sidewalk and Edgestone Bonds			" " "	8,000.00	
All Notes except Nos. 35 and 36			" " "	341,882.54	
				$894,882.54	
Deduct Sinking Funds				447,062.40	447,820.14
Net Debt					$596,794.13

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The Bradbury Fund amounting to $11,252 is deposited in the Medford Savings Bank. All other Trust Funds and the Perpetual Care Fund are invested by the Commissioners of the Sinking Funds.

INCREASE IN THE DEBT.

Medford Sewerage Loan Act of 1909 bonds were issued on account of appropriation of July 17, 1911 for Sewer Construction	$5,000 00
City of Medford School Loan of 1911 serial bonds were issued	78,000 00
City of Medford Sidewalk and Edgestone serial bonds were issued	8,000 00
Note on account of Fire Proof Vault at 13 High St.	2,000 00
Note on account of Magoun Ave., and Pembroke St. Drain	1,200 00
Serial notes on account of Charles River Basin Assessment	4,000 00
	$98,200 00

DECREASE OF THE DEBT.

Paid Water Fund Bonds, due Jan. 1, 1911	$4,000 00	
Paid Coupon Note, No. 49, due Jan. 1, 1912	2,000 00	
Paid Public Building Loan bonds, due July 1, 1911	26,000 00	
Paid Certificates of Indebtedness, due Feb. 1, 1912	37,294 42	69,294 42
Increase in the Gross Debt		$28,905 58

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Valuation and Limit of Taxation.

The net valuation of the City of Medford for 1911, was	$26,318,350 12
	52 636 70
	263 183 5
Assessed at $12 per $1,000, gives	$315,820.20

and in accordance with Sec 53, Chapter 490, Acts of 1909, this would be the legal limit of "taxes assessed on property exclusive of the State Tax, County Tax and sums required by law to be raised on account of the City Debt" except for the following Act:

(Chap. 272.)

An Act Relative to the Amount of Taxes in the City of Medford.

Be it enacted, etc., as follows:

Section 1. The taxes assessed on property in the City of Medford, exclusive of the State tax, County tax and sums required by law to be raised on account of the city debt, shall not during the years nineteen hundred and eleven and nineteen hundred and twelve exceed on every one thousand of the assessors' valuation of the taxable property therein for the preceding year thirteen dollars, the said valuation being first reduced by the amount of all abatements thereon previous to the thirty-first day of December in the year preceding said assessment, subject to all the provisions of section fifty-three of Part I of Chapter Four Hundred and Ninety of the Acts of the year nineteen hundred and nine except the limit of taxation therein provided, which shall not be applicable to the city of Medford during the years nineteen hundred and eleven and nineteen hundred and twelve.

Section 2. This act shall take effect upon its passage. (*Approved April* 12, 1911)

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Net valuation for 1911	$26,318,350 13
	78 955 05
	263 183 5
Assessed at $13 per $1,000, gives	$342,138.55

Borrowing Capacity.

Section 3 of Chapter 27 of the Revised Laws limits the indebtedness to 2½ per cent. of the average valuation for the three preceding years.

Two and one-half per cent. of $24,466,716 66 which is the average net valuation for 1909, 1910 and 1911 is	$611,667 91

The following items are within the debt limit:

Municipal Loan	$298,000 00
Lincoln Schoolhouse Loan	45,000 00
City Stable Loan	15,000 00
Schoolhouse Improvement Loan	14,000 00
Schoolhouse Loan of 1908	95,000 00
School Loan of 1911	78,000 00
Sidewalk and Edgestone Loan	8,000 00
All notes outstanding except No. 35 and 36, which were issued for water purposes	341,882 54
	$894,882 54

Deduct Sinking Funds as follows:—

On Municipal Loan	$242,540	38
On Lincoln Schoolhouse Loan	18,279	21
On City Stable Loan	6,112	17
On Schoolhouse Improvement Loan	2,344	89

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On Schoolhouse Loan of 1908...	$17,046 29	
On Oak Grove Cemetery extension note for $18,000 due 1913	17,289 78	
On Schoolhouse Sewer Connection note for $12,500, due 1913.....	12,160 51	
On Note for $4,000, due 1913 and on all coupon notes except Nos. 35 and 36 (which were issued for water purposes, and note No. 50 issued on account of Insurance.....	131,289 17	447,062 40
		$447,820 14
Borrowing capacity Jan. 1, 1912		163,847 77
		$611,667 91

PUBLIC PROPERTY.

Assessors' Valuation, April 1, 1911. (Real Estate).

Ward 1.

Franklin Schoolhouse.....	$55,000 00
38,762 feet land, Central avenue.....	8,900 00
58,952 feet land, Logan grove.....	11,800 00
Total of Ward 1.....	$75,700 00

Ward 2.

Brick Hose House.....	$12,000 00
10,532 feet land, Salem street.....	4,200 00
Curtis Schoolhouse.....	5,000 00
26,545 feet land, Paris street.....	4,000 00
14,120 feet land, lot 8 Dell avenue.....	550 00
13,660 feet land, lot 9 Dell avenue.....	550 00
19,750 feet land, lot 7 Dell avenue.....	800 00
Washington Schoolhouse.....	45,000 00

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56,520 feet land, Washington street, cor. Cross street	$19,800 00
Swan Schoolhouse	8,000 00
25,423 feet land, Park street, cor. Washington street	10,150 00
56,758 feet land, Magoun Park	15,900 00
8,010 feet land, Court street	650 00
Total of Ward 2	$126,600 00

Ward 3.

36,040 feet land, Salem street Cemetery	$14,400 00
119,950 feet land, Public Common Salem street	36,000 00
Everett Schoolhouse	8,000 00
10,155 feet land, Salem street	3,050 00
48,400 feet land, Cross street Cemetery	7,250 00
Pest House	1,500 00
Brick Engine House	3,000 00
Tay House	400 00
156.74 acres, Forest street	47,000 00
High School Building	150,000 00
190,215 feet land, Forest street to Hall ave. and Bradlee road	66,600 00
22,600 feet land, Governors avenue, cor. High	5,650 00
Center Schoolhouse	25,000 00
30,112 feet land, High street to Grand View ave	10,550 00
Public Library	20,000 00
16,450 feet land, High street	4,950 00
Brooks Schoolhouse	68,000 00
83,960 feet land, High street, cor. Allston street	21,000 00
City Hall	8,000 00
4,270 feet land, High street, cor. Main street	12,800 00
58,000 feet land, Hastings Heights, Allston st	14,500 00
Almshouse	25,000 00
Stable	2,000 00
Piggery, Tool and Tramp House	1,000 00
Stone Crusher and Building	3,000 00
16.49 acres land, Winthrop street	8,250 00
Blacksmith Shop	200 00

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7.61 acres, Winthrop street, in rear	$2,300 00
33.74 acres, Oak Grove Cemetery, Winthrop st.	100,000 00
Dwelling, No. 230 Playstead road	4,000 00
Storehouse	500 00
Stable and sheds	600 00
3.65 acres, lot 1 Playstead road	4,750 00
Dwelling in rear	1,200 00
3.66 acres, lot 2 in rear Playstead road	3,200 00
0.97 acres, Playstead road	850 00
3.47 acres, lot 3 in rear Playstead road	3,000 00
3.48 acres, lot 4 Playstead road	3,050 00
7,150 feet land, Fountain street	950 00
2,883 feet land, Fountain street	350 00
740 feet, Bradlee road	200 00
Total of Ward 3	$692,050 00

Ward 4.

Engine, Hook and Ladder and Hose House	$20,000 00
10,480 feet land, Main street, cor. South street.	7,850 00
15,988 feet land, Brooks Park	4,000 00
Police Station	25,000 00
9,046 feet land, Main street, cor. Swan street	6,800 00
Water Works Building	12,000 00
76,070 feet land, Swan street, cor. James street.	11,400 00
Highway stables and out buildings	22,000 00
105,000 feet land, James street	5,250 00
14,000 feet land, Mystic avenue	1,000 00
14,110 feet land, Mystic avenue	1,000 00
Cradock Schoolhouse	10,000 00
26,690 feet land, Summer street, cor. Rye street	4,250 00
L. Dame, school house	95,000 00
49,986 feet land, George street	7,500 00
Cummings Schoolhouse	4,500 00
19,810 feet land, lot A, Cotting street, cor Adams street	2,400 00
Total of Ward 4	$239,950 00

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Ward 5.

Tufts Schoolhouse	$20,000 00
33,851 feet land, junction of Main and Medford street	8,450 00
149,409 feet land, Park, Medford street, cor. Morton avenue	22,400 00
Brick Engine House	12,000 00
7,780 feet land, lots 25 and 26 Medford street, cor. Albion street	1,550 00
Lincoln Schoolhouse	80,000 00
42,000 feet land, Dartmouth street, between Yale and Harvard street	9,250 00
Total of Ward 5	$153,650 00

Ward 6.

5,210 feet land, Park, High street	$1,550 00
Gleason Schoolhouse	8,000 00
20,350 feet land, lot 23 Warren street, cor. Madison street	5,100 00
8.49 acres land, Brooks Playstead	55,450 00
Hillside Schoolhouse	15,000 00
29,775 feet land, Boston avenue, cor. Winthrop street	8,950 00
Hall Schoolhouse	6,000 00
16,181 feet land, parts lots 71 and 72, Harvard avenue, cor. Sharon street	3,250 00
12,680 feet land, Harvard avenue, cor. Bowers street	4,450 00
Hervey Schoolhouse	16,000 00
25,600 feet land, lots 66 and 67 Holton street, cor. Sharon street	5,100 00
Chemical, Hose House and Sheds	3,000 00
8,720 feet land, lot 16 and part 15 Canal street	1,750 00
9,650 feet land, Boston avenue	1,750 00
Total of Ward 6	$135,350 00

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Ward 7.

James Schoolhouse	$30,000 00
Annex	7,500 00
58,878 feet land, Spring street, cor. Bradshaw street	8,850 00
Engine House, Hose 4	5,000 00
8,270 feet land, lot 15 White Plan, Spring st.	1,150 00
Osgood Schoolhouse	5,000 00
28,800 feet land, Middlesex avenue, between Third and Fourth streets	5,750 00
Total of Ward 7	$63,250 00

Totals by Wards.

(All Parks and Cemeteries included)

Ward 1	$75,700 00
Ward 2	126,600 00
Ward 3	692,050 00
Ward 4	239,950 00
Ward 5	153,650 00
Ward 6	135,350 00
Ward 7	63,250 00
Total	$1,486,550 00

Deduct the following unsalable property:

Magoun Park (Ward 2)	$15,900	00
Cross Street Cemetery (Ward 3)	7,250	00
Salem Street Cemetery (Ward 3)	14,400	00
Hastings Park (Ward 3)	14,500	00
Oak Grove Cemetery (Ward 3)	100,000	00
Dwelling house, Playstead road (Ward 3)	4,000	00
Stable and sheds, Playstead road (Ward 3)	600	00
3.65 acres land, lot 1 Playstead road (Ward 3)	4,750	00
Dwelling house, rear of Playstead road (Ward 3)	1,200	00

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3.66 acres, lot 2 in rear Playstead road (Ward 3)	$3,200 00	
0.97 acres, Playstead road (Ward 3)	850 00	
3.47 acres, lot 3 in rear Playstead road (Ward 3)	3,000 00	
3.48 acres, lot 4 Playstead road (Ward 3)	3,050 00	
Brooks Park (Ward 4)	4,000 00	
Triangle (Ward 6)	1,550 00	$178,250 00
		$1,308,300 00

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Report of the Commissioners of Sinking Funds

Hon. Charles S. Taylor, Mayor, and Board of Aldermen, of the City of Medford.

Gentlemen:—The Commissioners of Sinking Funds respectfully submit the following statements of their accounts for the year ending December 31, 1911:

WATER LOAN SINKING FUND.

Receipts.

1911			
Jan. 1.	Cash on hand	$12,675 51	
	Income from investments	7,056 50	
	Income from bank deposit	79 41	
Oct. 5.	Sold $3,000 Medford 4% bonds, due Jan., 1918, to the Sewerage Loan account	3,046 66	
			$22,858 08

Disbursements.

Jan. 2.	Paid City of Medford to cover bonds maturing Jan. 1	$4,000 00
Jan. 5.	Paid City of Medford, income for 1910	7,511 51
Jan. 5.	Paid City of Medford, additional income for 1909	106 15
Jan. 5.	Bought $1,000 Medford 4% bond due Jan. 1, 1917 at 100.80 and interest	1,008 56
April 18.	Bought $1,000 Medford 4% bond, due Aug. 1, 1922, at 101½ and interest	1,023 56

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July 24. Bought $3,000 Medford 4% bonds, due Jan., 1918, at 100½ and interest	$3,022 67	
Dec. 1. Bought $5,000 Boston & Prov. R. R. 4% bonds, due July, 1918, at 100 and interest	5,083 33	$21,755 78

1912

Jan. 1. Cash on hand deposited in National Shawmut Bank	$1,102 30

The Water Loan Sinking Fund is invested as follows:

City of Medford 4% note, due Sept. 1, 1917	$10,800 00
City of Medford 4% municipal bonds, due May 1, 1917	5,000 00
City of Medford 4% municipal bonds, due Jan. 1, 1918	5,000 00
City of Medford 4 %stable bonds, due June 1, 1924	7,000 00
City of Medford 4% note, due Dec. 1, 1915	5,000 00
City of Medford 4% note, due Dec. 1, 1915	2,300 00
City of Medford 4% note, due Dec. 15, 1915	1,700 00
City of Medford 4% note, due Dec. 1, 1915	9,000 00
City of Medford 4% note, due Oct. 1, 1918	3,000 00
City of Medford 4% bond, due Aug. 1, 1916	1,000 00
City of Medford 4% note, due Jan. 1, 1916	5,000 00
City of Medford 4% water fund bonds, due Oct. 1, 1919	24,000 00
City of Medford 4% water note, due Dec. 1, 1926	10,000 00

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City of Medford 4% note, due Jan. 1, 1927	$7,000 00	
City of Medford 4% note, due Dec. 1, 1913	4,000 00	
City of Medford 4% note, due Oct. 1, 1919	1,000 00	
City of Medford 4% bond, due March 1, 1919	1,000 00	
City of Medford 4% bonds, due July 1, 1913	2,000 00	
City of Medford 4% note,due Nov. 1, 1915	1,000 00	
City of Brockton 4% registered bonds due Oct. 1, 1913	4,000 00	
City of Brockton 4% registered bonds due Oct. 1, 1914	4,000 00	
City of New Bedford, 4% registered bonds, due July 1, 1914	3,000 00	
Town of Arlington, 4% bonds, due Jan. 1, 1912	10,000 00	
City of Cambridge 3½% registered bonds, due May 1, 1914	12,500 00	
City of Cambridge 3½% registered bonds, due May 1, 1918	12,500 00	
Town of Hull 4% note, due Oct. 20, 1920	3,000 00	
Town of Hull 4½% note, due Oct. 1, 1912	1,100 00	
American Telephone and Telegraph Co. 4% bonds, due July 1, 1929	20,000 00	
Boston & Maine R.R. Co., 3½% bonds, due Nov. 1, 1921	4,000 00	
City of Medford 4% bond, due Jan. 1, 1917	1,000 00	
City of Medford 4% bond, due Feb. 1, 1922	1,000 00	
Boston & Providence R. R. 4% bond, due July, 1918	5,000 00	
		$185,900 00
Total securities and cash		$187,002 30

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PUBLIC BUILDING LOAN SINKING FUND.

Receipts.

1911			
Jan. 1.	Cash on hand	$346 50	
	Income from investments	10,405 72	
	Income from bank deposit	52 91	
July 15.	Sold City of Minneapolis bonds due Jan. 15, 1920 at par to Municipal Loan Sinking Fund	3,000 00	
June 1.	Chicago North Western Ry. Co. bonds, paid	5,000 00	
July 1.	City of Fall River, bonds paid	3,000 00	
July 1.	City of Marlboro, bonds paid	9,000 00	
July 1.	City of Cambridge bonds paid	1,000 00	
Nov. 1.	City of Everett, bonds paid	5,000 00	
Dec. 1.	Town of Norwood, bonds paid	4,500 00	
Dec. 1.	City of Medford, 4% bonds due Oct., 1915, transferred to Municipal Loan Sinking Fund	10,000 00	
Dec. 1.	City of New Bedford, 4% bonds, due July 1, 1913, transferred to Schoolhouse Sewer Assessment Loan Sinking Fund	3,000 00	
			$54,305 13

Disbursements.

March 8.	Bought $3,000 City of Minneapolis 4% bonds, due Jan. 15, 1920, at 100 and interest	$3,017 33	
July 1.	Paid to City of Medford to retire bonds due July 1	26,000 00	

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Nov. 6. Bought $6,000 Medford 4% bonds, due Aug., 1919 at 101 and interest	$6,124 67	
Dec. 6. Bought $6,000 West End St. Ry. 4% bonds, due Aug., 1915, at 99 1-8 and interest	6,030 83	
Dec. 6. Transferred to Municipal Loan Sinking Fund	10,000 00	
Dec. 6. Transferred to Schoolhouse Sewer Assessment Sinking Fund	3,000 00	
Dec. 6. Transferred to Oak Grove Cemetery Loan Sinking Fund	125 00	
as per vote of Commissioners, December 11th		$54,297 83

1912	
Jan. 1. Cash on hand deposited in National Shawmut Bank	$7 30

The Public Building Loan Sinking Fund is invested as follows:

City of Medford 4% note, due Dec. 1, 1913	$3,450 00
City of Medford 4% note, due Jan. 1, 1915	3,650 00
City of Medford 4% note, due July 1, 1915	20,000 00
City of Medford 4% note, due Jan. 1, 1913	18,000 00
City of Medford 4% note, due Jan. 1, 1916	2,500 00
City of Medford 4% due note, Sept. 1, 1916	2,400 00
City of Medford 4% note, due Jan. 1, 1918	13,000 00
City of Medford 4% note, due Aug. 1, 1917	4,000 00

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City of Medford 4% note, due July 1, 1915	$5,643 24
City of Medford 4% note, due Dec. 1, 1918	8,000 00
City of Medford 4% note ,due Sept. 1, 1919	2,000 00
City of Medford 4% note, due Oct. 1, 1919	3,000 00
City of Medford 4% bonds, due July 1, 1916	2,000 00
City of Medford 4% bonds, due Jan. 1, 1920	2,000 00
City of Medford 4% bonds, due Aug. 1, 1920	5,000 00
City of Medford 4% bonds, due Aug. 1, 1922	1,000 00
City of Medford 4% bonds, due July 1, 1932	4,000 00
City of Medford 4% bonds, due Oct. 1, 1924	2,000 00
City of Medford 4% bonds, due Aug. 1, 1919	4,000 00
City of Medford 4% bonds, due July 1, 1915	4,000 00
City of Malden 4% bonds due July 2, 1912	10,000 00
City of Malden 4 %bonds, due July 2, 1913	10,000 00
City of Malden 4% bonds, due July 2, 1914	4,000 00
Town of Norwood 4% notes, due Dec. 1, 1912	4,500 00
Town of Athol 4% bonds, due Aug. 1, 1912	6,000 00
Town of Whitman 4% bonds, due Oct. 1, 1912	5,000 00
Town of Amesbury 4% bonds, due July 1, 1913	10,000 00
Town of Maynard 4% bonds, due Jan. 1, 1919	5,000 00

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City of Newton 3½% bonds, due Dec. 1, 1912	$18,000 00	
City of Everett 4% note, due Nov. 1, 1913	5,000 00	
City of Somerville 4% bond, due July 1, 1913	1,000 00	
Town of Revere 4% bond, due May 1, 1913	4,000 00	
Boston & Albany R. R. 4% bonds due Oct. 1, 1913	8,000 00	
Town of Wellesley 4% bonds, due Sept. 1, 1914	6,000 00	
Town of Wellesley 4% bonds, due Sept. 1, 1918	6,000 00	
Fichburg R. R. Co. 4% bonds, due May 1, 1925	4,000 00	
City of Chicago 4½% bonds, due Jan. 1, 1920	2,000 00	
City of Lynn 4% bonds, due April 1, 1918	3,000 00	
City of Medford 4% bonds, due Aug. 1919	6,000 00	
West End St. Ry. 4% bonds, due Aug., 1915	6,000 00	233,143 24
Total securities and cash		$233,150 54

SEWERAGE LOAN SINKING FUND.

Receipts.

1911			
Jan. 1.	Cash on hand	$165 85	
	Income from investments	5,787 00	
	Income from bank deposit	31 40	
	Premium on sale of $5,000 bonds	330 00	
	Appropriation for 1911	5,000 00	
			$11,314 25

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Disbursements.

1911		
March 15. Bought $2,000 Boston Elevated Ry. Co. 4% bonds, due May, 1935, at 97¼ and interest....	$1,974 78	
Oct. 5. Bought $3,000 Medford 4% bonds, due Jan. 1, 1918, at 100½ and interest.....	3,046 66	
Nov. 6. Bought $5,000 Medford 4% bonds, due July 1, 1926, at 101.67 and interest.....	5,152 94	$10,174 38
1912		
Jan. 1. Cash on hand deposited in National Shawmut Bank.....		$1,139 87

The Sewerage Loan Fund is invested as follows:

City of Medford 4% municipal bonds, due Jan. 1, 1918.....	$3,000 00
City of Medford 4% note, due Dec. 1, 1914.....	6,500 00
City of Medford 4% note, due Dec. 1, 1914.....	10,000 00
City of Medford 4% note, due July 1, 1915.....	8,000 00
City of Medford 4% note, due May 1, 1916.....	5,000 00
City of Medford 4% note, due Aug. 1, 1916.....	5,000 00
City of Medford 4% note, due Aug. 1, 1916.....	11,000 00
City of Medford 4% water note, due Dec. 1, 1926.....	5,000 00
City of Medford 4% note, due Aug. 1, 1917.....	6,000 00
City of Medford 4% bonds, due July 1, 1923.....	1,000 00
City of Medford 4% bonds, due July 1, 1913.....	3,000 00

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City of Medford 4% note, due Sept. 1, 1919	$2,200 00
City of Medford 4% bond, due July 1, 1932	1,000 00
City of Medford 4% bonds, due Aug. 1, 1919	6,000 00
City of Medford 4% bond, due July 1, 1924	1,000 00
City of Medford 4% bond, due Oct. 1, 1914	1,000 00
City of Medford 4% bond, due Aug. 1, 1922	1,000 00
City of Medford 4% note, due Dec. 1, 1920	1,100 00
City of New London 4% bonds, due May 1, 1925	2,000 00
Boston & Albany R. R. bonds, due May 1, 1935	8,000 00
Fitchburg R. R. Co. 4% bonds, due July 1, 1916	3,000 00
Town of Saugus 4% note, due Dec. 1, 1918	5,500 00
Town of Athol 4% bonds, due Aug. 1, 1919	8,000 00
Town of Amesbury 4% bonds, due July 1, 1919	10,000 00
Princeton & Northwestern Ry. Co. 3½% bonds, guaranteed by Chicago & Northwestern, due Jan. 1, 1926	10,000 00
Boston & Maine Railroad 4% bonds, due Sept. 1, 1926	6,000 00
Boston & Maine Railroad 3½% bonds, due Feb. 2, 1925	5,000 00
Boston & Maine Railroad 4% bonds, due Sept. 1, 1926	2,000 00
City of Fall River 3½% bonds, due Jan. 1, 1924	6,000 00

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American Telephone and Telegraph Co. 4% bonds, due July 1, 1929....	$2,000 00	
Town of Mansfield 4% bonds, due May 1, 1918.....	1,000 00	
Boston Elevated Ry. Co. 4% bonds, due May, 1935.....	2,000 00	
City of Medford 4% bonds, due Jan. 1, 1918.....	3,000 00	
City of Medford 4% bonds, due July 1, 1926.....	5,000 00	155,300 00
Total securities and cash.....		$156,439 87

MUNICIPAL LOAN SINKING FUND.

Receipts.

1911			
Jan. 1.	Cash on hand.....	$468 74	
	Income from investments.....	8,983 56	
	Income from bank deposits.....	40 89	
	Appropriation for 1911..	2,500 00	
	Transfer from Public Building Loan Sinking Fund.....	10,000 00	
Jan. 1.	City of Medford, bonds paid.....	2,000 00	
Dec. 1.	County of Essex, bonds paid.....	5,000 00	
Dec. 1.	County of Middlesex, bonds paid...	3,000 00	
			$31,993 19

Disbursements.

March 8.	Bought $4,000 City of Minneapolis 4% bonds, due Jan. 15, 1920, at 100 and interest.....	$4,023 11

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May 16. Bought $1,200 Medford 4% note, due May 1, 1921, at 100 and interest	$1,202 00	
July 15. Bought $3,000 City of Minneapolis 4% bonds, due Jan. 15, 1920, at 100	3,000 00	
Nov. 8. Bought $4,000 Medford 4% bonds, due Aug. 1, 1919, at 101 and interest	4,083 11	
Dec. 1. Bought $5,000 Boston & Providence R. R. 4% bonds, due July 1, 1918, at 100 and interest	5,083 33	
Dec. 6. Bought $3,000 West End St. Ry. 4% bonds, due Feb. 1, 1917, at 98 7-8 and interest	3,007 92	
Dec. 6. Bought $1,000 West End St. Ry. 4% bond, due May 1, 1916, at 98 7-8 and interest	992 64	
$10,000 Medford 4% bonds due Oct. 1, 1915, transferred from Public Building Loan Sinking Fund	10,000 00	$31,392 11
1912		
Jan. 1. Cash on hand deposited in National Shawmut Bank		$601 08

The Municipal Loan Fund is invested as follows:

City of Medford 4% municipal bonds, due May 1, 1917	$27,000 00
City of Medford 4% note, due Dec. 1, 1914	17,500 00
City of Medford 4% note, due Dec. 1, 1916	11,000 00
City of Medford 4% municipal bonds, due Jan. 1, 1918	9,000 00
City of Medford 4% note, due Aug. 1, 1917	3,000 00
City of Medford 4% note, due Jan. 1, 1918	1,939 30

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City of Medford 4% note, due Jan. 1, 1918	$1,300 00
City of Medford 4% note, due Jan. 1, 1913	2,000 00
City of Medford 4% bonds, due Nov. 1, 1914	13,000 00
City of Medford 4% bonds, due July 1, 1932	6,000 00
City of Medford 4% bonds, due Aug. 1, 1920	6,000 00
City of Medford 4% bond, due Aug. 1, 1916	1,000 00
City of Medford 4% bonds, due July 1, 1917	2,000 00
City of Medford 4% bond, due Dec. 1, 1922	1,000 00
City of Medford 4% bond, due March 1, 1919	1,000 00
City of Medford 4% note, due Oct. 1, 1918	4,500 00
American Telephone & Telegraph Co. 4% bonds, due July 1, 1929	4,000 00
City of Quincy 3½% bonds, due April 1, 1917	2,000 00
Fitchburg Railroad Co. 4% bonds, due July 1, 1916	7,000 00
City of Newton 4% bonds, due July 1, 1916	4,000 00
City of Medford 4% note, due July 15, 1913	12,500 00
City of Medford 4% bonds, due Aug. 1, 1922	7,000 00
City of Taunton 4% bonds, due June 1, 1917	15,000 00
Concord & Claremont Railroad 4½% bonds, due Jan. 1, 1914	16,000 00
City of Beverly 4% bonds, due Feb. 1, 1917	5,000 00

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City of Dayton, Ohio, 4% bonds, due Nov. 2, 1916	$10,000 00	
City of Fall River 4½% bond, due Aug. 1, 1917	1,000 00	
Town of Wrentham 4% bonds, due Aug. 1, 1917	2,000 00	
Town of Wrentham 4% bonds, due Aug. 1, 1918	2,000 00	
City of Boston 3½% bonds, due July 1, 1917	4,000 00	
City of Chicago 4½% bond, due Jan. 1, 1918	1,000 00	
City of Chicago 4½% bond, Jan. 1, 1918	1,000 00	
West End Street Railway 4% bonds, due Feb. 1, 1917	5,000 00	
City of Troy, N. Y., 4½% bonds, Feb. 1, 1918	5,000 00	
City of Minneapolis 4% bonds, due Jan. 15, 1920	7,000 00	
City of Medford 4% bonds, due Oct. 1, 1915	10,000 00	
City of Medford 4% note, due May 1, 1921	1,200 00	
City of Medford 4% bonds, Aug. 1, 1919	4,000 00	
Boston & Providence R. R. 4% bonds, due July 1, 1918	5,000 00	
West End Street Railway Co. 4% bonds, due Feb. 1, 1917	3,000 00	
West End Street Railway Co. 4% bonds, due May 1, 1916	1,000 00	241,939 30
Total securities and cash		$242,540 38

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PUBLIC PLAYGROUND LOAN SINKING FUND.

Receipts.

1911				
Jan.	1.	Cash on hand	$30 83	
		Income from investments	535 00	
		Income from bank deposit	6 24	
				$572 07

Disbursements.

		None	0 00
1911			
Jan.	1.	Cash on hand deposited in National Shawmut Bank	$572 07

The Public Playground Loan Fund is invested as follows:

City of Newton 4% bond, due June 1, 1914	$1,000 00	
City of Stoneham 3½% bonds, due April 1, 1914	2,000 00	
City of Holyoke 3½% bonds, due Dec. 1, 1914	3,000 00	
Town of Belmont 4% bond, due Oct. 1, 1914	1,000 00	
Town of Marblehead 4% bonds, due June 1, 1914	2,000 00	
City of Newburyport 3½% bond, due June 1, 1932	1,000 00	
West End Street Railway Co., 4% bonds, due Aug. 1, 1932	2,000 00	
City of Medford 4% bond, due July 1, 1932	1,000 00	
West End Street Railway Co., 4½% bond, due July 1, 1930	1,000 00	$14,000 00
Total securities and cash		$14,572 07

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LINCOLN SCHOOLHOUSE LOAN SINKING FUND.

Receipts.

1911			
Jan. 1.	Cash on hand	$222 80	
	Income from Investments	630 00	
	Income from bank deposit	16 25	
	Appropriation for 1911	1,600 00	
			$2,469 05

Disbursements.

1911		
Dec. 6.	Bought $2,000 Town of Winchester 3½% bond, due Oct. 1, 1921, at 96.36 and interest	$1,939 84
1912		
Jan. 1.	Cash on hand deposited in National Shawmut Bank	$529 21

The Lincoln Schoolhouse Loan Fund is invested as follows:

City of Everett 4% note, due Nov. 1, 1921	$1,250 00
Town of Wakefield 4% bonds, due Oct. 1, 1921	2,000 00
Town of Athol 4% bonds, due Aug. 1, 1921	2,000 00
City of Boston 3½% bonds, due June 1, 1922	2,000 00
City of Salem 3½% bonds, due March 1, 1922	2,000 00
City of Medford 4% bond, due Jan. 1, 1918	1,000 00
City of Medford 4% note, due Aug. 1, 1917	1,500 00
City of Quincy 4% bond, due Aug. 1, 1920	1,000 00

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City of Quincy 4% bond, due Aug. 1, 1916	$1,000 00	
Providence & Springfield 5% bonds, due July 1, 1922	2,000 00	
Town of Winchester 3½% bonds, due Oct. 1, 1921	2,000 00	$17,750 00
Total securities and cash		$18,279 21

PARK LOAN SINKING FUND.

Receipts.

1911			
Jan. 1.	Cash on hand	$596 53	
	Income from investments	1,115 00	
	Income from bank deposits	18 03	
			$1,729 56

Disbursements.

1911		
July 24.	Bought $1,000 Medford 4% bonds, due Jan. 1, 1918, at 100½ and interest	$1,007 56
1912		
Jan. 1.	Cash on hand deposited in Shawmut National Bank	$722 00

The Park Loan Fund is invested as follows:

City of Medford 4% municipal bond, due May 1, 1917	$1,000 00	
City of Fall River 3½% registered bond, due Nov. 1, 1929	1,000 00	
City of Holyoke 3½% bond, due Dec. 1, 1914	3,000 00	

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Town of Winchester 3½% bond, due Oct. 1, 1929	$4,000 00	
Commonwealth of Massachusetts 3½% registered bond, due Jan. 1, 1930	2.000 00	
City of Salem 4% registered bond, due Feb. 1, 1929	2,500 00	
City of Salem 4% registered bond, due Feb. 1, 1930	2,500 00	
Fitchburg Railroad Company, 4% bonds, due May 1, 1925	6,000 00	
City of Newburyport 3½% bonds, due June 1, 1932	1,000 00	
West End Street Railway Co. 4% bonds, due Aug. 1, 1932	1,000 00	
Boston & Maine R. R. 4½% bonds, due April 1, 1929	2,000 00	
Old Colony R. R. 3½% bond, due July 1, 1932	1,000 00	
West End Street Railway, 4½% bond, due July 1, 1930	1,000 00	
City of Medford 4% bond, due Oct. 1, 1924	1,000 00	
City of Medford 4% bond, due Jan. 1, 1918	$1,000 00	$30,000 00
Total securities and cash		$30,722 00

SCHOOLHOUSE IMPROVEMENT LOAN SINKING FUND.

1911	Receipts.		
Jan. 1.	Cash on hand	$755 96	
	Income from investments	40 00	
	Income from bank deposit	19 52	
	Appropriation for 1911	560 00	
			$1,375 48

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Disbursments.

1911		
Nov. 6. Bought $1,000 Medford 4% bond, due July, 1926, at 101.67 and interest		$1,030 59
1912		
Jan. 1. Cash on hand deposited in National Shawmut Bank		$344 89

The Schoolhouse Improvement Loan is invested as follows:

Boston & Maine R. R. 4% bond, due Sept. 1, 1926	1,000 00	
City of Medford 4% bond, due July 1, 1926	1,000 00	$2,000 0
Total securities and cash		$2,344 89

SCHOOLHOUSE LOAN 1908 SINKING FUND.

Receipts.

1911		
Jan. 1. Cash on hand	$174 90	
Income from investments	565 00	
Income from bank deposits	14 61	
Appropriation for 1911	3,000 00	
		$3,754 51

Disbursements.

1911	
Dec. 6. Bought $4,000 Boston & Maine R. R. Co. 3½% bonds, at 91½ and interest	$3,708 22
1912	
Jan. 1. Cash on hand deposited in National Shawmut Bank	$46 29

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The Schoolhouse Loan 1908 Sinking Fund is invested as follows:

Boston & Maine R. R. 4½% bonds, due April 1, 1929	5,000 00	
Fitchburg R. R. 4½% bonds, due May 1, 1928	4,000 00	
Fitchburg R. R. 4% bonds, due May 1, 1925	4,000 00	
Boston & Maine R. R. 3½% bonds, due Feb. 2, 1925	4,000 00	$17,000 00
Total securities and cash		$17,046 29

PERPETUAL CARE LOAN SINKING FUND.

1911				
Jan.	1.	Cash on hand	$469 63	
		Transfer from Trust Fund Loan Sinking Fund	65 37	
Jan.	1.	Securities on hand	21,650 00	
				$22,185 00
Jan.	1.	Transferred as per order No. 7,827 in Board of Aldermen; Approved April 5th, 1911, to Perpetual Care Fund as of date Jan. 1st, Securities	21,650 00	
Jan.	1.	Cash	535 00	$22,185 00

TRUST FUND LOANS SINKING FUND.

1911				
Jan.	1.	Cash on hand	$243 36	
		Securities on hand	15,000 00	
				$15,243 36

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Transferred to City Note Loan Sinking Fund.....	68 57	
Jan. 1. Transferred to Perpetual Care Fund Loan Sinking Fund.....	65 37	
Jan. 1. Transferred to Trust Funds as per order No. 7,827 in Board of Aldermen; Approved, April 5th, 1911, as of date Jan. 1st, 1911. Securities $15,000, and cash 109.42.....	15,109 42	$15,243 36

CITY NOTES LOAN SINKING FUND.

1911	Receipts.		
Jan. 1.	Cash on hand.....	$445 92	
	Transfer from Trust Fund Loan Sinking Fund.....	68 57	
	Income from investments.....	4,179 00	
	Income from bank deposit.....	5 01	
	Appropriation for 1911..	24,000 41	
			$28,698 91

1911	Disbursements.		
Feb. 10.	Bought $1,000 Medford 4% bond, due May 1, 1917, at 100 3-4 and interest.....	1,018 50	
July 24.	Bought $2,000 Medford 4% bond, due Jan. 1, 1918, at 100½ and interest.....	2,015 11	
Nov. 3.	Bought $24,000 Medford 4% bond, due July 1, 1926, at 100 6-7 and interest.....	24,726 13	$27,759 74
1912			
Jan. 1.	Cash on hand deposited in Medford Trust Co.....		$939 17

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The City Notes Fund is invested as follows:

City of Everett 4% note, due Nov. 1, 1913	$1,650 00
City of Cambridge 3½% registered bond, due May 1, 1913	2,000 00
Boston & Maine R. R. 4½% bonds, due April 1, 1929	3,000 00
City of Lawrence 4% bonds, due Dec. 1, 1914	5,000 00
Town of Athol 4% bond, due Aug. 1, 1914	1,000 00
County of Essex 4% registered note, due Dec. 1, 1914	5,000 00
City of Medford 4% note, due July 1, 1917	5,000 00
City of Medford 4% note, due Jan. 1, 1918	12,000 00
City of Medford 4% bonds, due Nov. 1, 1914	15,000 00
City of Medford 4% note, due Dec. 1, 1913	1,700 00
City of Medford 4% note, due Dec. 22, 1913	2,500 00
City of Medford 4% bond, due May 1, 1917	1,000 00
City of Medford 4% notes, due Dec. 1, 1919	16,500 00
City of Medford 4% note, due July 1, 1920	8,000 00
City of Medford 4% note, due July 1, 1920	5,000 00
City of Medford 4% note, due Nov. 1, 1920	8,000 00
City of Medford 4% bond, due July 1, 1915	1,000 00
City of Medford 4% bond, due Aug. 1, 1922	1,000 00
West End Street Railway 4% bond, due Aug. 1, 1915	5,000 00

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Fitchburg R. R. 4% bond, due May 1, 1925	4,000 00	
City of Medford 4% bond, due May 1, 1917	1,000 00	
City of Medford 4% bonds, due Jan. 1, 1918	2,000 00	
City of Medford 4% bond, due July 1, 1926	24,000 00	130,350 00
Total securities and cash		$131,289 17

OAK GROVE CEMETERY EXTENSION LOAN SINKING FUND.

Receipts.

1911			
Jan. 1.	Cash on hand	$331 12	
	Income from investments	630 00	
	Income from bank deposits	6 72	
	Appropriation for 1911	200 00	
	Transfer from Public Building Loan Sinking Fund	125 00	
			$1,292 84

Disbursements.

1911		
Dec. 6.	Bought $1,000 Boston & Lowell R. R. registered 4% bond, due March, 1915, at 99¼ and interest	$1,003 06
1912		
Jan. 1.	Cash on hand deposited in Medford Trust Company	$289 78

The Oak Grove Cemetery Extension Fund is invested as follows:

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Town of Winchester 3½% bonds, due Oct. 1, 1912	$2,000 00	
Town of Belmont 4% bonds, due Oct. 1, 1912	3,000 00	
City of Salem 4% bonds, due March 1, 1912	2,000 00	
City of Medford 4% bond, due July 1, 1912	1,000 00	
American Telephone and Telegraph Co. 4% bonds, due July 1, 1929	2,000 00	
City of Cambridge 4% bonds, due Feb. 1, 1913	2,000 00	
City of Medford 4% bonds, due Dec. 1, 1922	2,000 00	
Worcester, Nashua & Rochester 4% bonds, due Jan. 1, 1913	2,000 00	
Boston & Lowell R. R. 4% bond, due March, 1915	1,000 00	$17,000 00
Total securities and cash		$17,289 78

SCHOOLHOUSE SEWER CONNECTION SINKING FUND.

Receipts.

1911			
Jan. 1.	Cash on hand	$843 07	
	Income from investments	325 00	
	Transfer from Public Building Loan Sinking Fund	3,000 00	
			$4,168 07

Disbursements.

1911			
July 24.	Bought $1,000 Medford 4% bond, due Jan. 1, 1918, at 100½ and interest	$1,007 56	

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July 31. City of New Bedford 4% bond, transferred from Public Building Loan account, due Jan. 1, 1913.....	$3,000 00	$4,007 56
1912		
Jan. 1. Cash on hand deposited in Medford Trust Company.....		$160 51

The Schoolhouse Sewer Connections Fund is invested as follows:

Town of Belmont 4% bond, due Oct. 1, 1912.....	$1,000 00	
Town of Dedham 3½% bond, due October 1, 1912.....	1,000 00	
City of Salem 4% bond, due March 1, 1913.....	1,000 00	
Town of Natick 5% note, due Jan. 23, 1913.....	1,000 00	
American Telephone and Telegraph Co. 4% bonds, due July 1, 1929....	2,000 00	
City of Cambridge 4% bond, due Feb. 1, 1913.....	1,000 00	
City of Boston 4% bond, due July 1, 1913.....	1.000 00	
City of Medford 4% bond, due Jan. 1, 1918.....	1,000 00	
City of New Bedford registered 4% bond, due July 1, 1913.....	3,000 00	$12,000 00
Total securities and cash.....		$12,160 51

METROPOLITAN PARK ASSESSMENT LOAN.

Receipts.

1911		
Jan. 1. Cash on hand.....	$23 60	
Income from investments.....	365 00	

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Income from bank deposit	$ 63	
Appropriation for 1911	250 00	
		$639 23

Disbursements.

None		0
1912		
Jan. 1. Cash on hand deposited in Medford Trust Co.		$639 23

The Metropolitan Park Assessment Loan Fund is invested as follows:

Old Colony Railroad 3½% bonds, due July 1, 1932	$3,000 00	
Town of Athol 4% bond, due Aug. 1, 1932	1,000 00	
City of Salem 4% bond, due Feb. 1, 1932	1,500 00	
West End Street Railway Co. 4% Bond, due Aug. 1, 1932	2,000 00	
Boston & Maine Railroad 4% bond, due Sept. 1, 1926	1,000 00	
Fitchburg R.R. 4% bond, due May 1, 1925	1,000 00	$9,500 00
Total securities and cash		$10,139 23

CITY STABLE LOAN SINKING FUND.

Receipts.

1911		
Jan. 1. Cash on hand	$516 09	
Income from investments	200 00	
Income from bank account	4 76	
Appropriation for 1911	400 00	
		$1,120 85

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Disbursements.

1911		
Dec. 6. Bought $1,000 City of Malden 4% bond, due May 1, 1924, at 100.49 and interest		$1,008 68
1912		
Jan. 1. Cash on hand deposited in Medford Trust Company		$112 17

The City Stable Loan Fund is invested as follows:

Town of Belmont 4% bond, due Nov. 1, 1924	$1,000 00	
City of Salem 4% bond, due March 1, 1923	1,000 00	
Town of Great Barrington 4% bond, due Jan. 1, 1923	1,000 00	
American Telephone and Telegraph Co. 4% bond, due July 1, 1929	1,000 00	
Fitchburg R. R. 4% bond, due May 1, 1925	1,000 00	
City of Malden 4% bond, due May 1, 1924	1,000 00	$6,000 00
Total securities and cash		$6,112 17

TRUST FUNDS.

Receipts.

Transferred from Trust Funds Loan Sinking Fund	$109 42	
Income from investments	623 82	
Income from bank deposit	10 96	
Kate L. S. Hoyle Fund	300 00	
May 1. Town of Hudson bonds matured	2,000 00	

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Sept. 1. Town of Wellesley bonds matured	$2,000 00	
Oct. 1. Town of Dedham bonds matured	1,000 00	
		$6,044 20

Disbursements.

1911

May 6. Paid income on K. L. S. Hoyle Fund to May 15th	$18 82	
Nov. 18. Paid income on investments to city	581 24	
May 16. Bought $2,000 City of Medford note, No. 108, 4%, due May 1, 1916, at par and interest	2,003 33	
Sept. 19. Bought $3,000 Chicago Burlington & Quincy, Ill. Div., 3½% bonds, due July 1, 1949, at 88 1-8 and interest	2,666 50	
Dec. 20. Bought $500 N. Y., New Haven & Hartford R. R. 3½%, due April, 1954, at 82 5-8 and interest	416 96	$5,686 85

1912

Jan. 1. Cash on hand deposited in Medford Trust Company		$357 35

The Medford Trust Funds are invested as follows:

Town of Natick 5% note, due Jan. 29, 1912	$1,000 00
Maine Central R. R. 4% bonds, due April 1, 1912	2,000 00
Town of Hyde Park 4% bonds, due July 1, 1917	4,000 00
City of Medford 4% note, due July 1, 1915	1,000 00
City of Medford 4% bond, due July 1, 1918	2,000 00

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City of Medford Note, No. 108, due May 1, 1916	$2,000 00	
Chicago, Burlington & Quincy R. R., Ill. Div. 3½% bonds, due July 1, 1949	3,000 00	
New York, New Haven & Hartford R. R. 3½% bond, due April 1, 1954	500 00	$15,500 00
Total cash and securities		$15,857 35

PERPETUAL CARE FUND.

Receipts.

1911			
Jan. 1.	Cash on hand	$259 80	
	Transferred from Perpetual Care Fund Loan Sinking Fund	535 00	
	Income from investment	1,326 00	
	Income from bank deposit	19 27	
Jan. 5.	Received from City	684 50	
Dec. 22.	Received from City	761 00	
June 1.	Town of Belmont bonds matured	2,000 00	
Sept. 1.	Town of Wellesley bonds matured	2,000 00	
Oct. 1.	Town of Belmont bonds matured	2,000 00	
Nov. 1.	City of Everett bonds matured	1,650 00	
			$11,235 57

Disbursements.

1911			
Feb. 5.	Paid income to City	$438 31	
June 30.	Bought $2,000 N. Y., N. H. & Hartford R. R. 4% bonds, due March 1, 1947, at 95¼ and Interest	1,931 44	

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Feb. 10. Bought $1,000 Old Colony R. R. 4% bond, due Jan. 1, 1938, at 97½ and interest.....	$1,001 83	
Sept. 19. Bought $3,000 Chicago, Burlington & Quincy R. R., Ill. Div. 3½% bonds, due July 1, 1949, at 88 1-8 and interest.....	2,666 50	
Oct. 5. Bought $2,000 Chicago, Burlington & Quincy R. R. Ill. Div. 3½% bonds, due July 1, 1949, at 88 1-8 and interest.....	1,780 77	
Dec. 6. Bought $1,000, Chicago, Burlington & Quincy R. R. Ill. Div. 3½% bond, due July 1, 1949, at 88 1-8 and interest.....	896 32	$8,715 17
1912		
Jan. 1. Cash on hand deposited in Medford Trust Company.....		$2,520 40

The Perpetual Care Fund is invested as follows:

Washington County, Me., Railway Company 3½% bonds, due Jan. 1, 1954.....	$5,000 00
Town of Dedham 3½% bonds, due Oct. 1, 1916.....	2,000 00
City of Boston 4% bonds, due July 1, 1937.....	2,000 00
Boston Elevated Ry., 4% bond, due May 1, 1935.....	1,000 00
New York, New Haven & Hartford R. R. 4%, due July 1, 1955.....	1,000 00
Chicago, Burlington & Quincy R. R. 4% bond, due March 1, 1958.....	1,000 00
City of New Bedford 4% registered bonds, due July 1, 1912.....	2,000 00
City of Boston 4% bonds, due Jan. 1, 1912.....	1,000 00

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City of Medford 4% note No. 49, due Jan. 1, 1912	$2,000 00	
City of Medford 4% bonds, due May 1, 1939	5,000 00	
City of Fitchburg 4% bonds, due June 1, 1913	3,000 00	
City of Lynn 4% bonds, due April 1, 1918	1,000 00	
Old Colony R. R. 4% bond, due Jan. 1, 1938	1,000 00	
New York, New Haven & Hartford R. R. 4% bond, due March 1, 1947	2,000 00	
Chicago, Burlington & Quincy R. R. Ill. Div. 3½% bond, due July 1, 1949	6,000 00	$35,000 00
Total securities and cash		$37,520 40

RECAPITULATION.

Sinking Funds.

Amount of funds on hand at beginning of year	$1,076,142 95
Received from City Treasurer from taxation	37,510 41
Received from City Treasurer, premium on City bonds sold	330 00
Income in 1911 on Sinking Fund Investments	41,137 15
	$1,155,120 51

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Paid City Treasurer to meet Medford bonds maturing in 1911	$30,000 00	
Paid City Treasurer Income of Water Sinking Fund	7,617 66	
Paid accrued interest and premiums on securities purchased	1,120 02	
Trust Fund Loan Sinking Funds transferred to Trust Funds	15,109 42	
Perpetual Care Loan Sinking Funds transferred to Perpetual Care Funds	22,185 00	$76,032 10
Amount of Sinking Funds January 1, 1912		$1,079,088 41

Trust Funds.

Transferred from Trust Funds Loan Sinking Fund	$15,109 42
Transferred from Kate L. Hoyle Fountain Fund	300 00
Income in 1911 on Investments	634 78
Discounts on securities purchased	413 21
	$16,457 41
Paid City Treasurer on account of income	600 06
Amount of Funds January 1, 1912	$15,857 35

Perpetual Care Fund.

Amount of Fund January 1, 1911	$12,259 80
Transferred from Perpetual Care Fund Loan Sinking Fund	22,185 00
Received from City Treasurer	1,445 50
Discounts on securities purchased	723 14
Income in 1911 on Investments	1,345 27
	$37,958 71
Paid City Treasurer on account of Income	438 31
Amount of Fund January 1, 1912	$37,520 40

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In compliance with the provisions of Section 12 of Chapter 27 of the Revised Laws and Section 8 of Chapter 6 of the City Ordinances, the Commissioners find the amounts to be raised the coming year for the Sinking Funds are as follows:

Sewerage	$4,560 00
Metropolitan Park	200 00
Lincoln School	1,600 00
City Stables	350 00
Schoolhouse Improvement	530 00
Schoolhouse of 1908	3,000 00
Notes	16,910 00
Total	$27,150 00

And the Commissioners have certified to the City Auditor that this amount of $27,150.00 is required to be raised by taxation for the Sinking Funds, and is to be put into the yearly appropriation for the ensuing year.

Respectfully submitted,

WILLIAM CUSHING WAIT
LEWIS H. LOVERING
EVERARD I. LANGELL
WALTER F. CUSHING
CHAS. H. BARNES
WILLARD DALRYMPLE

Commissioners of Sinking Funds

Medford, January 1, 1912

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Report of the City Engineer

Medford, Mass., January 1, 1912.

Honorable Charles S. Taylor:

Dear Sir,—I have the honor to submit to you the eighteenth annual report of the Civil Engineering Department of the City of Medford for the year ending December 31, 1911.

Organization.

The names of assistants in the employment of this department on January 1, 1912, will be found in Appendix A.

Financial Statement.

Appropriation		$1,350 00
Credits:		
Water and Sewer Department,		
Salaries	$910 87	
Incidentals	59 79	$970 66
		$2,320 66
Expended:		
Pay-roll, on account of office	$673 98	
Medford Assessing Department	108 05	
Medford Cemetery Department	1 94	
Medford City Map	138 09	
City Solicitor	48 49	
Parks	1 00	
School Department	18 53	
Water and Sewer Department,		
Construction	691 36	
House Connections	48 15	
Assessment	163 66	
Water Works	69 25	
		$1,962 50

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Bills as follows:

Office expenses	$132 80	
Office equipment	23 08	
Draughting materials	35 98	
Surveying materials	39 53	
Repairs to instruments	5 25	
Telephone	26 09	
Medford Publishing Company	2 00	
Blue and Black line prints	7 64	
N. E. Druggist Publishing Company	11 10	
Stationery	32 90	
Photographic prints and supplies	7 33	
Expressage	75	
Engineering Books	7 00	
Plan mounting	25 79	$357 24
		$2,319 74
Balance		92

Increase.

The work of this department is increasing from year to year owing to development of large tracts of land for building purposes and the increased activity in new construction in the older portions of the city.

This necessarily means more work in all the various branches covered by this department, viz, Defining street lines and grades for owners and builders, and in the case of some of our older streets where the original lines are obscured by lapse of time, requires the study of old plans and records, making of new surveys to show existing conditions and the submission to the city government of plans with request for their action in determining where these lines shall be located.

House measuring and plotting same on maps and departmental plans.

Sewer layouts for new streets and construction of sewers therein.

Copying of plans at registry for use of this department, the assessors and other departments, and making the necessary

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changes on the city map and the plans belonging to the various departments which are affected thereby. Also additional labor in indexing, filing and information to be furnished the departments, public service corporations and the general public.

The number of deed cards to be examined, compared with plans and sub-divisions made and changes noted on assessors' plans has increased from eight hundred in 1907, to over eleven hundred in 1911, and will probably exceed twelve hundred this year.

Vault.

A fire-proof vault has been built this year, the metal furniture installed, and all the valuable records and plans of this department have been placed therein.

We have I think, provided for expansion for at least ten years.

This vault while primarily intended for the use of this department has by the shifting of the quarters of the various departments, as arranged by your honor, furnished the assessing department not only with the additional storage which was of immediate necessity, but also provides room for the growth of the department for some time to come.

This change also provided the collector and auditor with storage in the vault at City Hall, and incidentally has provided a number of the departments with more suitable and better equipped quarters than they had before.

Surface Water Drains.

Four thousand, two hundred four and five tenths feet of surface water drains have been constructed with the necessary catch basins, properly trapped.

In Appendix E, will be found a schedule of streets on which drains have been built, together with lengths, sizes, manholes and catch basins.

Sewer Construction.

Ten thousand seven hundred five and five-tenths feet of sanitary sewers have been built during the year. Of this

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forty-four hundred and five-tenths feet has been done by contract, the balance has been done by the direct employment of labor.

The following table shows the total lengths and sizes of sewers on January 1, 1912.

5-inch vitrified pipe sewer	97.0
6-inch vitrified pipe sewer	14,539.5
8-inch vitrified pipe sewer	219,022.4
10-inch vitrified pipe sewer	24,539.8
12-inch vitrified pipe sewer	12,176.0
15-inch vitrified pipe sewer	9,573.8
18-inch vitrified pipe sewer	6,422.0
20-inch vitrified pipe sewer	4,181.0
	290,551.5

or 55.028 miles.

For this work preliminary plans have been made, lines and grades given for construction and Y locations obtained while the work was in progress; and the contract work superintended and inspected.

In Appendix D, will be found a schedule showing a list of streets on which sewers have been constructed during the year, together with their lengths, sizes, etc.

Sewer Assessments.

Plans and computations for assessments of abuttors for construction of sewers have been prepared and referred to the Commissioners of Sewers. Plans showing the construction of sewers and such other data, together with the location of all house connections have been prepared and placed on file with the Commissioners.

Highways.

Lines and grades have been given on various streets for resurfacing the same.

Lines and grades have been given for the building of the following streets:

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Street	From	To
Dearborn Street	Winthrop Street	Adams Street
Grant Avenue	Salem Street	Central Avenue
South Street	Main Street	Manning Street

Streets Accepted.

During the year there has been only one street accepted as a public way, viz:

Street	From	To	Length	Width	Date of Acceptance
Gleason St.	Madison St.,	northerly	504 ft. on centre line	40 ft.	Sept. 21, 1911

Bridges.

I. Bridges supported wholly by Medford

Winthrop Street Bridge, over the Mystic River is a wooden structure on piles with abutments of Medford granite laid without mortar. The following is a copy of a report sent to the Street Commissioner after the examination of this bridge in September, 1911.

"On examination of the bridge over Mystic River at Winthrop Street, I find the following conditions:

"Piles 3, 6, 7, 8, 13 and 18 are badly rotted at the top, and should be replaced by new piles, or temporarily repaired by cutting off head and splicing out with new material. The girder between piles 13 and 14 is badly rotted, particularly at the end and should be replaced. The spur shores need repairing.

The balance of the flooring is in fair shape. All the piles originally about 10 inches in diameter, have been reduced by attrition to about 6 inches diameter. The bridge as a whole, while not in an absolutely dangerous condition should I think, be closed to heavy traffic, viz., nothing over six tons permitted to cross. In any case it is necessary that repairs as outlined above be made at the earliest practicable moment. In the interest of economy the bridge should be replaced with a modern structure, and I have made preliminary plans for the same."

Cradock Bridge is a two-pan stone arch bridge crossing the

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Mystic River, built in 1880, and one flat span of concrete supported on steel beams, and built in 1908 by the Metropolitan Park Commission. This bridge is in good condition.

II. Bridges suppported partly by Medford.

Weir Bridge, on High Street, between Medford and Arlington, was built jointly by the City of Medford and the Town of Arlington in 1893. It consists of brick arches built between steel I beams with granite masonry abutments and is in an excellent condition. The channel under this bridge has been excavated by the Metropolitan Park Commission and by request of the City Engineer, a concrete berm was built to prevent possible washing and undermining of abutment.

Canal Bridge, on Boston Avenue, is an elliptical stone arch bridge built jointly by the cities of Medford and Somerville in 1900. The iron railing has been cleaned of scale and painted but the railing is badly rusted and should be replaced with a rail of different design so as to shed water. Otherwise this bridge is in good condition.

Middlesex Avenue Bridge, completed in 1904, is a wooden structure built on oak piles. The bridge is seventy feet wide and has a draw at its center which provides for a clear channel fifty feet wide.

Harvard Avenue Bridge, over the Mystic River, between Medford and Arlington, is a wooden floor supported by steel girders resting on abutments of Medford block granite laid dry. The channel under this bridge has been deepened by the Metropolitan Park Commission and by permission of the City Government the abutment and pier have been underpinned.

III. Bridges not maintained by Medford.

Auburn Street Bridge. A new reinforced concrete arch bridge built in 1906, by the Metropolitan Park Commission, over the new channel of Mystic River.

Armory Bridge, across the Mystic River; a reinforced arch built in 1907, by the Metropolitan Park Commission.

Fellsway, over B. & M. R. R., Medford Branch.

Park Street Bridge, over B. & M. R. R., Medford Branch.

Cross Street Bridge, over B. & M. R. R., Medford Branch.

College Avenue Bridge, over B. & M. R. R., Southern Division.

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Winthrop Street Bridge, over B. & M. R.R., Southern Division.

Grove Street Bridge, over B. & M. R. R., Southern Division.

North Street Bridge, over B. & M. R. R., Southern Division.

Railroad Bridge, over Harvard Street, B. & M. R. R. Southern Division. For history of this bridge see report of 1909.

Jerome Street Bridge was removed by Metropolitan Park Commission.

Foot Bridges.

A right-of-way over the Grand Army lot was granted to the City by General Samuel C. Lawrence during 1901, together with the permission to construct an approach to the Metropolitan pipe bridge constructed by the Metropolitan Water Board. Concrete steps from the southerly end of this bridge to the ground level have been built to replace the unsightly wooden steps.

Pembroke Street Foot Bridge. A reinforced concrete arch of fifty feet span and ten feet wide, over the B. & M. R. R. tracks, connecting Pembroke and Washington Streets, was built in 1908. By agreement with the B. & M. R. R. Company, the entire bridge is placed on the railroad location; thus obviating the necessity of projecting into Washington Street.

Water Works.

All new mains, gates, hydrants and specials have been plotted upon record plans forty feet to the inch, showing the street, size of pipe and the location by ties and offsets, of all mains, gate valves, hydrants and specials throughout the City.

Brooks and Streams.

There has been no new construction this year.

Owing to the development of the property between Buzzel's Lane and Harvard Street, and the B. & M. R. R., to Mystic Avenue, it will be necessary to at once take up the question of the disposal waters in Two-penny and Winter brooks.

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Assessors' Plans.

New plans covering recently developed portions of the city have been made and filed in the assessors' plan books.

All plans relating to Medford property recorded at the Registry of Deeds at East Cambridge, have been copied, and such changes and additions as found, were examined and placed on the several section maps and assessors' plans.

Street Numbering.

All the plans have been gone over and the new buildings entered. Plans have been made of the new streets, and numbers assigned from time to time, to the various buildings at the request of the owners.

Sidewalks and Edgestones.

Estimates have been furnished the Highway Department for the laying out of new sidewalks and edgestones, lines and grades have been given for construction of same, and final measurements have been made and certified to, for the payment of contractors and the levying of assessments on the abutters.

In Appendix F, will be found a schedule of the edgestones set, and the sidewalks and gutters built during the year.

Street Watering.

The usual measurements of frontages have been made, amounting to 356,286 feet or 67.48 miles. The length of streets watered is about 40 miles; the area watered is about 695,000 square yards.

The use of oil and other dust laying compounds, in place of water, has been continued this year and the results have been very satisfactory.

The rate is 3½ cents per front foot, the same as last year.

Conduits.

During the past year we have had applications for underground conduits from the Boston Elevated Railway Co., the

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New England Telephone & Telegraph Co., and the Malden Electric Co., all of which have been granted, and the Boston Elevated Railway Co., has installed conduits in Salem Street from Fellsway West to Medford Square, in Main Street from Medford Square to South Street, in South Street from Main Street, to Winthrop Street, in Winthrop Street from South Street to West Street, in West Street from Winthrop Street to Cotting Street, and in North Street from Cotting Street to the Somerville line.

The New England Telephone & Telegraph Co., has installed a conduit in High Street from Medford Square to a point opposite Governors Avenue.

The Malden Electric Co. has not started construction as yet.

The installation of these conduits does not permit of the removal of any poles from our streets, as the lines to be placed in the Railway Company's conduit is to carry a high tension current from the central station at South Boston to transformer stations, and is not a distribution line.

The installation of conduits by the Malden Electric Co., will allow of the removal of most of their poles in Salem Street from the Malden line to Medford Square, and in High Street from Medford Square to Winthrop Square.

Office.

The indexing of plans, survey and level notes, calculations and construction records has been continued so that now there are 31,300 typewritten cards.

Lines and grades of streets for guidance in erection of fences, grading of lawns and building operations have been given upon application.

Plans, estimates and sketches have been given to the various departments when requested.

Committee meetings of the Board of Aldermen have been attended when requested and such information as required, given.

Plans and estimates have been furnished to various committees of the Board of Aldermen, and members of the Board as required; also information has been furnished to the citizens and their agents, so far as the records of the office permit.

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In Appendix C, will be found a general inventory of the office property.

City Map.

The City Map consists in part of 24 sheets of 60 inch wide mounted leonine paper of varying lengths, upon which is plotted on a scale of 40 feet to the inch, the entire city, excepting that portion lying northerly from a line between Oak Grove Cemetery and the southerly line of Murray Street. One of these maps upon which is plotted the central portion of the City is being replaced by a new map of the same material. Considerable progress has been made on this new section map, but as the appropriation for the department barely covers the cost of current work, it is necessarily difficult to find sufficient funds to carry out this much needed work.

In addition to the above, there are two maps of mounted leonine paper covering the entire city, on a scale of 200 feet to the inch; also one map 400 feet to the inch, covering the entire city and mounted as above.

Surface Drainage.

Considerable work has been done this year in replacing lines that were inadequate for the work required of them. Owing to the fact that the physical character of the city is rapidly changing by reason of new buildings, and new streets, the storm water now reaches the drains much quicker and in larger quantities than heretofore, and this will necessitate quite a number of reconstructions and extensions.

Oak Grove Cemetery.

At the present time there is no map showing the cemetery as a whole, the existing plans being mostly on small sheets of various scales and made by different engineers; and as we do not have their field notes, it is practically impossible to connect the separate parcels into one complete and accurate map.

Laboratory.

The laboratory is well equipped for tests of cement, brick and other constructional materials.

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Recommendations.

The appropriation of money each year to set stone bounds so that the locations of street lines may be permanently established. Owing to decay and destruction of natural monuments this becomes more essential each year.

The building of a new bridge over the Mystic River at Winthrop Street. Preliminary plans for this bridge and a water color sketch showing the character of the same have been made by this department.

The construction of a systematic scheme of surface drainage.

By constructing a portion each year, we shall soon have a complete system.

The establishment of a Board of Survey, to locate the position of new streets throughout the city and thus do away with the present unsatisfactory method.

An appropriation for the completion of a map to replace section No. 12 of the City Map.

The change in boundary line between Medford and Malden as recommended in previous reports; also between corners 17 and 19, between Somerville and Medford, as shown on a plan presented to the Board of Aldermen.

A complete survey of the old portion of Oak Grove Cemetery and a plan of the entire cemetery.

The construction of a covered drain for the waters of Whitmore Brook from Playstead Road to High Street and from the Hose House lot to the easterly line of Prescott Street; and the reconstruction of the culverts at Irving, Warren and Prescott Streets.

The extension of the conduit at Winter Brook, from Tufts Square northerly, about 300 feet at least, and provision for the care of this brook where the land now used for storage of water shall have been built up.

Conduit for the storm water in Two-penny Brook. The land now used for storage is being developed into house lots.

Setting edgestones and building permanent sidewalks on accepted streets where the property is so built up that there will be slight necessity of tearing up sidewalks for new construction.

Respectfully submitted,

FRED R. CHARNOCK, *City Engineer.*

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Appendix A.

ORGANIZATION OF CIVIL ENGINEERING DEPARTMENT.

Names of all persons connected with this office on January 1, 1912.

City Engineer.

Fred R. Charnock.

Instrumentman.....W. Warren Ewell
Instrumentman.....Percy C. Charnock
Rodman.....Philip G. Desmond
Rodman.....John R. McLean

Appendix B.

Statistics concerning the City of Medford, Massachusetts, January 1, 1912.

A town, September 28, 1630.
City Charter accepted, October 6, 1892
Situated about four and one-half miles northwest of State House on both sides of Mystic River, in latitude 42 deg., 25 min., 6.7 sec. N. and longitude 71 deg., 06 min., 35.5 sec., W.

Extent of City north and south.....	3.96 miles
Extent of City east and west.....	4.02 miles
Total area of City, 5,521 acres, or.....	8.627 sq. miles
Land area of City.....	5,169 acres
Water area of City.....	352 acres
Area of City, exclusive of river, 5,352 acres or...	8.362 sq. miles
Area included in Middlesex Fells Reservation..	1,057 acres
City's holdings in Middlesex Fells Reservation..	145 acres
City's holdings in Brooks Playstead.....	9.15 acres
City's holdings in eight small parks and commons	11.28 acres
City's holdings in Mystic River Reservation....	207.3 acres
State's holdings in Mystic River Reservation...	59.0 acres

Population.

1890	1900	1905	1910	1911
11,079	18,244	19,686	22,859	23,773

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Number of assessed polls, April 1, 1911	6,961
Number of dwelling houses assessed April 1, 1911	4,191
Assessed valuation April 1, 1911, personal	$3,609,150
Assessed valuation April 1, 1911, real estate	$24,498,000
Total assessed valuation April 1, 1911	$28,107,150
Miles of accepted streets	51.28
Miles of private streets (about)	27.90
Miles of streets in control of Metropolitan Park Commission	2.689
Miles of streets in control of Massachusetts Highway Commission	0.862
Miles of Metropolitan Parkway	6.319
Square yards bitulithic pavement	7,449
Square yards of granite block paving	2,726
Square yards brick pavement on six inch concrete base	267
Miles of domestic sewer	55.028
Number of house connections	4,471
Number of connections with Metropolitan sewers...	
Regulators	13
Without regulators	8
House connections	6
Miles of Metropolitan water pipe	12.3
Miles of Metropolitan sewers	5.02
Pressure on City mains at Medford Square, low service	61 lbs.
Pressure on City Mains at Medford Square, high service	107 lbs.
Miles of streets having single track street railway	1.29
Miles of streets having double track street railway	9.792
Miles steam railway	6.09
Number of stations on above	8

Appendix C.

Inventory of property belonging to this department.

Five thousand two hundred and twenty-five plans and profiles.

Twenty-seven section maps

Eighty-seven survey and level books.

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One hundred three inspector's note books.
Twenty-six calculation books.
Three transits and tripods.
One Wye level and tripod.
Six target rods.
Two sight rods.
Four pair of rubber boots.
Miscellaneous surveying tools.
One Rambler bicycle.
Six one hundred foot tapes.
Two fifty foot tapes.
Blue-print equipment.
Six drawing tables
One drawing table with electrical attachment.
Nine drawing stools.
Six chairs.
Two roll-top desks.
One bookcase.
One plan case.
One forty-two tray index case.
One counter.
One six tray index case.
Two note book cases.
Cement testing equipment.
One work bench and miscellaneous tools.
One set (100) metallic curves.
One V. F. Cabinet with base.
Eight Macey book sections.
One wardrobe.
Vault fittings.
Miscellaneous drawing instruments and materials.
Electric Light fixtures.
Jupiter pencil sharpener.
One case for field instruments.
One Underwood typewriter and desk.
One pantograph.
Photographic equipment.
Two planimeters.
Three waste baskets.
Six hundred stakes.

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APPENDIX D.

SCHEDULE OF SEWERS BUILT IN 1911—DAY WORK.

LOCATIONS.	From	To	Length feet.	Size in.	No. M. H.	Inlets	Character of Soil.
Alexander Avenue	Willis Avenue	Station 6 plus 16.4	616.4	8	2	42	Loam, sand and clay
Burnside Street	Central Avenue	Station 6 plus 77.2	677.2	8	2	41	Sand and peat
Carolina Street	Riverside Avenue	Station 4 plus 50.0	450.0	8	3	32	Black loam, sand, clay
Chandler Road	Woburn Street	Station 1 plus 02.6	102.6	8	.....	3	Loam, ledge, boulders
Evans Street	Central Avenue	Station 3 plus 00.0	300.0	8	1	18	Black loam and sand
Fellsway West, (south side)	Grant Avenue, Westerly	Station 1 plus 39.76	139.8	8	1	2	Macadam, gravel, sand
Fellsway West, (south side)	Grant Avenue, Easterly	Station 0 plus 99.2	99.2	8	....	2	Filling and sand
Fellsway West, (south side)	Cherry Street, Easterly	Station 2 plus 64.6	264.6	8	3	5	Filling and sand
Fellsway West, (south side)	Cherry Street, Westerly	Station 2 plus 45.7	245.7	8	1	10	Filling, sand, clay
Fellsway West, (south side)	Park Street, Easterly	Station 1 plus 71.3	171.3	8	1	8	Filling, sand, clay
Fellsway West, (south side)	Valley Place	Near Almont Street	99.4	6	1	2	Filling, gravel, clay
Fellsway West, (north side)	Station O plus 97.1, West of Grant Avenue	Station 3 plus 25.22	228.1	8	2	8	Sand and clay
Fellsway (west side)	Central Avenue, Northerly	Station 4 plus 35.64	435.6	10	5	14	Loam, gravel and sand
Fulton Terrace	Sewer line in rear	Station 3 plus 25.43	325.4	8	1	23	Loam, clay, hardpan
Hill Avenue	Station 1 plus 30.0	Station 2 plus 22.0	92.0	8	.....	7	Loam and sand
Park Street	Station 3 plus 20.0	Station 3 plus 62.5	42.5	8	1	.....	Macadam, filling, peat
Princeton Street	Dartmouth Street	Station 3 plus 65.0	365.0	8	2	25	Sand
Rockwood Terrace	Sewer line in rear	Station 2 plus 61.0	261.0	8	1	19	Loam, clay, hardpan
Third Street	Station 5 plus 74.66	Station 8 plus 00.19	225.5	8	.....	14	Clayey loam, hardpan
Winter Street	Winthrop Street	Station 5 plus 00.0	500.0	8	3	34	Sand and gravel
Wyman Street	Woburn Street	Station 3 plus 01.8	301.8	8	2	15	Rocky soil, boulders
Branch Line	Gravelly Creek Line, East Branch	Rockwood Terrace	361.9	8	4	8	Loam, clay, hardpan
	Totals		6305.0	....	36	332	

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APPENDIX D.—1.

SCHEDULE OF SEWERS BUILT IN 1911—CONTRACT WORK.

LOCATIONS.	From	To	Length feet.	Size in.	No. M. H.	Inlets	Character of Soil.
Boston Avenue	Jackson Road	Sagamore Road	693.7	8	4	49	Sand and gravel
Grove Street	Tyler Avenue	Station 3 plus 49.9	351.9	15	3	24	Gravel and sand
Jackson Road	Grove Street	Station 8 plus 66.3	868.3	15	2	47	Loam, gravel, sand, peat and clay
Johnson Avenue	Tyler Avenue	Station 9 plus 30.0	930.0	8	5	72	Gravel and sand
Tyler Avenue	Metropolitan Sewer	Station 4 plus 41.6	441.6	15	3	7	Loam, gravel, sand
Tyler Avenue	Station 0 plus 00.0	Station 11 plus 08.0	1115.0	8	5	68	Gravel and sand
		Totals	4400.5	....	22	267	

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APPENDIX E.

SCHEDULE OF SURFACE DRAINS BUILT IN 1911.

STREET.	LOCATION.	Length in Feet	Size in Inches	No. of Catch Basins	No. of M.H.	Length of Conn.	Remarks.
Alfred St.	At Albion St.					28 ft. of 8 in.	Relaid in place of 6 inch connection
Boston Ave.	At Temple St.			1			New catch basin
Fulton St.	At Tainter St.					40 ft. of 12 in.	Relaid in place of 8 inch connection
Granville Ave.	From Winchester St., Easterly	375.0	24				New drain
Highway Yard	James St., to marsh	238.5	8			68.4 ft. of 8 in.	New drain in yard running to marsh
		66.5	10	4	1		
Magoun Ave.	Opposite No. 91 Westerly	631.5	12	2	2	28 ft. of 8 in.	New drain
Martin St.	Mason St., Westerly			5		93 ft. of 8 in.	New catch basin connections
Middlesex Ave.	Near R. R.					12 ft. of 8 in.	Connection from gutter to field
Pembroke St.	Magoun Ave., to Cushing St.	465.0	12			72 ft. of 8 in.	New drain
Riverside Ave.	Near Pleasant St.	48.0	12				Relaid in place of 8 inch drain. Runs from catch basin to marsh
Salem St.	Washington Sq., to Fulton St.	731.0	12	6	4	107.1 ft. of 8 in.	New drain
Salem St.	Vine St., to Park St.	674.0	12	12	4	269.1 ft. of 8 in.	New 12 inch drain replacing 8 inch
South St.	Near Main St.			2		23.5 ft. of 8 in.	Catch basin connections
South St.	Near Manning St.			2		43 ft. of 8 in.	Catch basin connections to drain and river
South St.	West of Touro Ave.	52.0	12	3		23 ft. of 8 in.	Connections from catch basins to river
						70 ft. of 10 in.	
Spring St.	At Salem St.	102.0	12	1		6 ft. of 8 in.	New 12 inch run replacing 8 inch
West St.	From opposite No .44 Westerly	869.0	12	10	4	337.5 ft. of 8 in.	New drain
						117.5 ft. of 12 in.	
Totals		4252.5		48	15		

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APPENDIX F.

SIDEWALKS AND EDGESTONES 1911.

STREET.	Lin. Feet of Straight Curb	Lin. Feet of Circ. Curb.	Sq. Yards of Granolithic Walks.	Sq. Yards of Brickwalk	Sq. Yards of Brick Drives.	Sq. Yards of Tar Walk.
Alfred Street	1,070.75					
Ashland Street	188.65					
Clayton Avenue	68.00			403.90	21.39	
College Avenue	193.10	24.50				
Dearborn Street	876.80	21.40		597.57	37.72	
Dexter Street	50.00			44.83		
Fulton Street	883.27	118.33				
Garfield Avenue	58.00					
Governor's Avenue			94.02			
Main Street	624.32	126.90	63.17	96.77	8.79	
Martin Street	621.40	122.80		389.33	11.88	
Orchard Street	52.00		27.92			
Pearl Street	165.50			72.11	7.29	
Royal Street	76.00					
Salem Street	72.09			71.85		
South Street	956.90					
Winter Hill Road			92.00			
Totals	5,956.78	413.93	277.11	1,676.36	87.07	

APPENDIX F.—(Continued.)

SIDEWALKS AND EDGESTONES 1911.

STREET.	Sq. Yards of Tar Walk Resurfaced.	Sq. Yards of Tar Cross-walk Re-surfaced.	Sq. Yards of Paved Gutters.	Sq. Yards of Tarvia Gutters.	Granite Corner Blocks.
Alfred Street					1
Ashland Street	115.57				
Bow Street			56.00		
Central Avenue	101.24				
Clayton Avenue					1
College Avenue	177.58				
Dudley Street	102.75				
Emerson Street	270.39				
Everett Street	81.78				
Farragut Avenue	70.24				
Fifth Street	271.30				
Florence Street	284.10				
Fourth Street	904.70				
Franklin Street	70.69				
Fulton Street	87.28				
Garfield Avenue	91.40				
Main Street	332.73				
Middlesex Avenue	633.30				
Oakland Street	215.34				
Otis Street	90.12				
Park Street	234.36				
Pearl Street	216.65				
South Street	612.68				4
Spring Street	370.10				
Third Street	93.30				
Tufts Street	76.80				
Wareham Street	87.91				
Webster Street	143.34				
Totals	5,735.65		56.00		6

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Report of the City Collector

Medford, Mass., Jan. 1, 1912.

To the Honorable Charles S. Taylor, Mayor of the City of Medford, Massachusetts:

Sir,—I respectfully submit the following report of the collections made in this department for the year ending December 30, 1911:

Taxes of 1911.

Total of warrants	$539,491 86	
Reassessed	34 65	
Erroneously credited	2 10	
Collected and paid Treasurer		$354,347 29
Abated		4,393 62
Uncollected Jan. 1, 1912		180,787 70
	$539,528 61	$539,528 61

Taxes of 1910.

Uncollected Dec. 29, 1910	$167,166 37	
Reassessed	410 55	
Collected and paid City and Treasurer		$122,714 74
Abated		1,559 25
Uncollected Jan. 1, 1912		43,302 93
	$167,576 92	$167,576 92

Taxes of 1909.

Uncollected Dec. 29, 1910	$26,693 38	
Reassessed	43 43	
Recovered from tax sale on account of erroneous assessment	259 57	
Collected and paid City and Treasurer		$25,774 85
Abated		43 43
Uncollected Jan. 1, 1912		1,178 10
	$26,996 38	$26,996 38

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Taxes of 1908.

Uncollected Dec. 29, 1910	$1,474 58	
Collected and paid Treasurer		229 68
Abated		1211 28
Uncollected Jan. 1, 1912		33 62
	$1,474 58	$1,474 58

Taxes of 1907.

Uncollected Dec. 29, 1910	320 53	
Collected and paid Treasurer		$151 00
Uncollected Jan. 1, 1912		169 53
	$320 53	$320 53

Taxes of 1906.

Uncollected Dec. 29, 1910	$172 13	
Collected and paid Treasurer		$152 51
Uncollected Jan. 1, 1912		19 62
	$172 13	$172 13

Taxes of 1905.

Uncollected Dec. 29, 1910	$153 01	
Collected and paid Treasurer		$153 01

Collected and Paid Treasurer and City.

Taxes of 1911	$354,347 29	
Taxes of 1910	122,714 74	
Taxes of 1909	25,774 85	
Taxes of 1908	229 68	
Taxes of 1907	151 00	
Taxes of 1906	152 51	
Taxes of 1905	153 01	
		$503,523 08

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Abated During 1911.

Taxes of 1911	$4,393 62	
Taxes of 1910	1,559 25	
Taxes of 1909	43 43	
Taxes of 1908	1,211 28	
		$7,207 58
Taxes uncollected Jan. 1, 1912		$225,491 50

Street Watering Assessments.

Uncollected Dec. 29, 1910	$4,060 99	
Warrant committed for 1911	12,258 43	
Reassessed, 1909 account	2 94	
" 1910 "	2 94	
" 1911 "	17 33	
Abated, 1909 account		$13 65
" 1910 "		13 65
" 1911 "		45 05
Collected, 1905 account		80
" 1906 "		80
" 1907 "		80
" 1908 "		3 95
" 1909 "		597 35
" 1910 "		2,523 30
" 1911 "		8,014 19
Erroneously credited to 1911 tax		2 10
Uncollected Jan. 1, 1912		5,126 99
	$16,342 63	$16,342 63

Sewer Assessments and Apportionments.

Uncollected Dec. 29, 1910	$2,250 79
Schedule 104 committed March 1, 1911	5,336 88
Schedule 105 committed July 27, 1911	4,242 37
Schedule 106 committed August 30, 1911	1,946 29

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Warrant for apportionments committed 1911..	$920 58	
Apportionments paid in advance..	198 74	
Assessments apportioned during 1911.....		$2,583 73
Assessments and apportionments collected and paid Treasurer.....		3,939 38
Apportionments paid in advance collected and paid Treasurer ...		198 74
Uncollected Jan. 1, 1912.....		8,173 80
	$14,895 65	$14,895 65

Sidewalk Apportionments.

Uncollected Dec. 29, 1910.....	$664 38	
Warrant committed for 1911.....	606 76	
Apportionments paid in advance..	44 11	
Paid Treasurer.....		$44 11
Apportionments collected and paid Treasurer.....		832 10
Uncollected Jan. 1, 1912.....		439 04
	$1,315 25	$1,315 25

Sidewalk Assessments.

Uncollected Dec. 29, 1910.....	$1,523 30	
Committed during 1911.....	3,631 83	
Abated.....		8 87
Apportioned.....		600 99
Collected and paid Treasurer.....		2,366 44
Erroneously credited to interest...		25 57
Erroneously credited to costs.....		8 00
Uncollected Jan. 1, 1912.....		2,145 26
	$5,155 13	$5,155 13

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Sewer Connection Apportionments.

Uncollected Dec. 29, 1910.....	$197 82	
Warrant committed 1911.....	420 70	
Collected and paid Treasurer.....		$313 67
Uncollected Jan. 1, 1912.....		304 85
	$618 52	$618 52

Sewer Connections Added to Taxes.

Uncollected Dec. 29, 1910.....	$961 72	
Warrant committed for 1911.....	1,459 39	
Collected and paid Treasurer.....		$1,132 37
Uncollected Jan. 1, 1912.....		1,288 74
	$2,421 11	$2,421 11

Gypsy and Brown Tail Moth Assessments.

Uncollected Dec. 29, 1910.....	$789 48	
Warrant committed for 1911.....	2,316 82	
4th supplementary warrant committed Jan. 4, 1911, 1910 account	1 25	
Recovered on account of erroneous assessment, 1909 account.....	6 10	
Reassessed, 1910 account.....	14 75	
" 1911 "	8 00	
Collected and paid City, 1909 account.....		$102 86
Collected and paid City, 1910 Account.....		463 49
Collected and paid City, 1911 Account.....		1,273 37
Abated, 1910 Account.....		15 63
Abated, 1911 Account.....		16 00
Uncollected Jan. 1, 1912.....		1,265 05
	$3,136 40	$3,136 40

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Interest.

Taxes of 1905	$80 79	
Taxes of 1906	66 81	
Taxes of 1907	38 06	
Taxes of 1908	31 65	
Taxes of 1909	2,414 99	
Taxes of 1910	4,351 33	
Taxes of 1911	309 07	
Sewer Assessments	55 50	
Sewer Connections	11 49	
Sewer Apportionments paid in advance	18 95	
Sewer Connection apportionments paid in advance	1 93	
Sidewalk Apportionments paid in advance	4 28	
Sidewalk Assessments	40 65	
	$7,425 50	
Collected and paid Treasurer		$7,425 50

Costs and Fees.

Taxes of 1905	$81 20	
Taxes of 1906	63 60	
Taxes of 1908	40	
Taxes of 1909	399 30	
Taxes of 1910	535 70	
Taxes of 1911	187 10	
Sidewalk Assessments	19 00	
	$1,286 30	
Collected and paid Treasurer		$1,286 30

Accrued Interest on Sewer Apportionments.

Uncollected Dec. 29, 1910	$30 78	
Warrant committed for 1911	51 66	
Paid Treasurer		$35 62
Uncollected Jan. 1, 1912		46 82
	$82 44	$82 44

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Accrued Interest on Sidewalk Apportionments.

Uncollected Dec. 29, 1910.....	$64 29	
Warrant committed for 1911.....	61 17	
Collected and paid Treasurer.....		$84 13
Uncollected Jan. 1, 1912.....		41 33
	$125 46	$125 46

Accrued Interest on Sewer Connections Apportionments.

Uncollected Dec. 29, 1910.....	$14 08	
Warrant committed for 1911.....	39 88	
Collected and paid Treasurer.....		$22 92
Uncollected Jan. 1, 1912.....		31 04
	$53 96	$53 96

Accrued Interest on Sewer Connections Added to Taxes.

Uncollected Dec. 29, 1910.....	$49 36	
Warrant committed for 1911.....	52 84	
Collected and paid Treasurer.....		$52 58
Uncollected Jan. 1, 1912.		49 62
	$102 20	$102 20

Sewer Connections.

Uncollected Dec. 29, 1910.....	$1,303 51	
Schedules 53-67 inclusive committed during 1911.....	5,232 83	
Apportionments paid in advance...	55 91	
Assessments apportioned during 1911.....		$721 93
Apportionments paid in advance collected and paid Treasurer..		55 91
Assessments paid Treasurer.....		2,887 96
Assessments added to taxes of 1911.		1,459 39
Uncollected Jan. 1, 1912.....		1,467 06
	$6,592 25	$6,592 25

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Water Connections.

Uncollected Dec. 29, 1910.....	$653 19	
Committed during 1911.....	2,546 63	
Over-commitment in 1910.....		$3 50
Collected and paid Treasurer.....		2,663 54
Uncollected Jan. 1, 1912.....		532 78
	$3,199 82	$3,199 82

Sidewalk Applications.

Uncollected Dec. 29, 1910.....	$257 53	
Committed during 1911.....	823 93	
Collected and paid Treasurer.....		$989 07
Uncollected Jan. 1, 1912.....		92 39
	$1,081 46	$1,081 46

Water Rates.

Collected during 1911.....	$72,653 42	
Paid Treasurer.....		$72,653 42

Water Construction.

Collected during 1911.....	$2,428 56	
Paid Treasurer.....		$2,428 56

Other Water Accounts.

Collected during 1911.....	$7,512 44	
Paid Treasurer.....		$7,512 44

Betterment Assessments.

Uncollected Dec. 29, 1910.....	$588 15	
Uncollected Jan. 1, 1912.....		$588 15

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Miscellaneous Collections Credited to.

Almshouse	$585 71
Almshouse Horse	75 00
Armory	900 00
Bridges	3 32
Care of Cemeteries	5,593 21
Care of Trees	214 47
City Clerk's Dept., expenses	25 50
City Hall	3 24
Collection of Ashes	10 00
Collection of House Offal	2,166 67
Contagious Diseases	233 13
Electrical Dept., expenses	20 50
Engineering Dept., expenses	970 66
Estates bought at sale for taxes	1,079 30
Evening School	59 27
Fire Department	279 91
General repairs of highways	8,574 30
Guide Boards and Street Signs	5 00
Gypsy and Brown Tail Moths	4,010 89
Horses, Hose and Repairs	100 00
Hoyle Fund Income	18 82
Income from estate taken for taxes	778 64
Interest	300 50
Leopard Moths and Elm Tree Beetles	45 45
Miscellaneous Credits	2,599 20
Mystic Valley Improvement	250 00
Outside Relief	1,662 74
Paving Gutters	41 19
Perpetual Care Fund	761 00
Public Commons	66 50
Public Library	2,035 94
Public Schools, Contingent	632 00
Repairs, Police and Fire Alarm Systems	14 37
Repairs, School Department	273 00
Salaries Engineers and Firemen	63
Setting Out Trees	2 00

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Sewer Construction	$358 80	
Sewer Maintenance	21 47	
Sidewalks and Edgestones	919 33	
Soldiers' Relief	5 00	
State Aid	6 00	
Water Maintenance	669 21	
Watering Streets	210 08	
Paid Treasurer		$36,581 95

Total Collections.

Taxes	$503,523 08
Street Watering	11,141 19
Sewer Assessments and Apportionments	3,939 38
Sewer Apportionments paid in advance	198 74
Sidewalk Apportionments	832 10
Sidewalk Apportionments paid in advance	44 11
Sidewalk Assessments	2,366 44
Sewer Connection Apportionments	313 67
Sewer Connections added to taxes	1,132 37
Sewer Connection Apportionments paid in advance	55 91
Gypsy and Brown Tail Moths	1,839 72
Interest on Taxes, etc.	7,425 50
Costs and Fees	1,286 30
Accrued Interest on Sewer Apportionments	35 62
Accrued Interest on Sewer Connection Apportionments	22 92
Accrued Interest on Sewer Connections added to Taxes	49 62
Accrued Interest on Sidewalk Apportionments	84 13
Sewer Connections	2,887 96
Water Connections	2,663 54
Water Rates	72,653 42

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Water Construction	2,428 56	
Other Water Accounts	7,512 44	
Sidewalk Applications	989 07	
Miscellaneous Collections	36,581 95	
Total amount collected from Dec. 29, 1910 to Jan. 1, 1912		$660,007 74

Uncollected.

Taxes	$225,491 50
Street Watering	5,126 99
Sewer Assessments and Apportionments	8,173 80
Sidewalk Apportionments	439 04
Sidewalk Assessments	2,145 26
Sewer Connection Apportionments.	304 85
Sewer Connections added to Taxes.	1,288 74
Gypsy and Brown Tail Moths	1,265 05
Accrued Interest on Sewer Apportionments	46 82
Accrued Interest on Sidewalk Apportionments	41 33
Accrued Interest on Sewer Connection Apportionments	31 04
Accrued Interest on Sewer Connection added to Taxes	49 62
Sewer Connections	1,467 06
Water Connections	532 78
Sidewalk Applications	92 39
Betterment Assessments	588 15
Almshouse	184 60
Bridges	35 00
Care of Trees	38 00
Collection of Ashes	2 07
Contagious Diseases	90 00
General Repairs of Highways	513 08
Gypsy and Brown Tail Moths	1,597 50
Income from estates taken for taxes	22 50

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Leopard Moths and Elm Tree Beetles	55	
Miscellaneous Credits	1 98	
Outside Relief	213 34	
Public Commons	125 90	
Public Schools, Contingent	497 00	
Sand and Gravel Pits	3 00	
Setting Out Trees	11 00	
Sewer Construction	148 22	
Sewer Maintenance	7 73	
Sidewalks and Edgestones	4 92	
Watering Streets	11 99	
		$250,592 80

Under Chapter 13 of the Revised Laws as amended by Chapter 443 of the Acts of 1902 for the Redemption of Tax Titles:—

Unsettled Dec. 29, 1910	$25 20	
Collected during 1911	1,912 65	
Paid City		$27 00
Paid parties holding titles		1,885 65
Unsettled Jan. 1, 1912		25 20
	$1,937 85	$1,937 85

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Taxes of	Uncollected Warrants and Debits	Abated	Collected and Paid Treas. and Credits	Uncollected
1890.....	$7,064 67	$315 40	$6,749 27	.....
1891.....	24,644 20	1,058 08	23,586 12	.....
1892 w	173,528 77	1,685 84	171,842 93	.....
1893 "	242,997 76	2,592 89	240,404 87	.....
1894 "	234,623 08	2,993 96	231,629 12	.....
1895 "	229,662 95	3,154 60	226,508 35	.....
1896 "	250,712 05	2,834 96	247,877 09	.....
1897 "	322,270 50	3,552 49	318,718 01	.....
1898 "	346,994 48	3,342 67	343,651 81	.....
1899 "	352,009 91	4,170 93	347,838 98	.....
1900 "	374,757 16	5,106 23	369,650 93	.....
1901 "	373,309 55	4,947 84	368,361 71	.....
1902 "	386,748 77	7,184 74	379,564 03	.....
1903 "	425,174 26	5,079 97	420,094 29	.....
1904 "	407,492 53	5,874 68	401,617 85	.....
1905 "	466,717 19	6,775 95	459,941 24	.....
1906 "	451,463 12	6,639 00	444,804 50	19 62
1907 "	459,706 07	6,572 08	452,964 46	169 53
1908 "	487,677 36	6,391 52	481,252 22	33 62
1909 "	483,806 68	2,314 92	480,313 66	1,178 10
1910 "	514,720 95	3,649 80	467,768 22	43,302 93
1911 "	539,491 86	4,358 97	354,345 19	180,787 70

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COLLECTED UP TO AND INCLUDING DEC. 30, 1911.

In Year.	Interest.	Costs.	Redemption Tax Titles.	Gypsy and Brown Tail Moths.	Water rates	Water Construction	Other Water Accounts.	Betterment Assessments
1892.....	$1,394 76	$238 80	.....	.....	.....	.....	.....	.....
1893.....	1,841 75	835 75	.....	.....	.....	.....	.....	.....
1894.....	1,410 57	1,051 95	.....	.....	.....	.....	.....	.....
1895.....	1,396 61	764 21	.....	.....	.....	.....	.....	.....
1896.....	2,361 85	1,254 45	.....	.....	.....	.....	.....	.....
1897.....	2,974 17	618 30	.....	.....	.....	.....	.....	.....
1898.....	5,096 32	1,229 10	.....	.....	.....	.....	.....	.....
1899.....	7,682 47	1,587 29	.....	.....	.....	.....	.....	.....
1900.....	6,327 67	1,311 75	.....	.....	.....	.....	.....	.....
1901.....	7,125 35	1,466 90	.....	.....	.....	.....	.....	.....
1902.....	6,528 66	1,640 55	.....	.....	.....	.....	.....	.....
1903.....	6,573 56	1,950 90	.....	.....	.....	.....	.....	.....
1904.....	5,722 78	1,105 15	.....	.....	.....	.....	.....	.....
1905.....	7,113 89	1,530 90	$1,441 96	.....	.....	.....	.....	.....
1906.....	6,619 03	1,047 75	358 82	.....	.....	.....	.....	.....
1907.....	7,850 51	1,111 65	127 32	$748 61	.....	.....	.....	.....
1908.....	8,985 37	1,845 95	.....	1,995 39	$71,109 32	$2,729 15	$241 03	.....
1909.....	9,038 05	2,619 70	483 79	1,219 62	68.655 23	1,529 12	1,459 02	.....
1910.....	9,278 49	2,230 80	.....	1,375 84	70,408 13	921 93	887 78	$238 64
1911.....	7,425 50	1,286 30	1,912 65	1,839 72	72,653 42	2,428 56	7,512 44	.....

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COLLECTED UP TO AND INCLUDING DEC. 30, 1911.

In	Sidewalk Apportionments paid in advance	Drains	Sewer Apportionments paid in advance	Interest on Sidewalk Apportionments	Sewer Connections (new account)	Sewer Connection Apportionments	Interest on Sewer Connection Apportionments	Water Connections	Sewer Connection Apportionments paid in advance
1898	$44 30	$19 25	$2,548 01	.....	.....	.....	.....	.....	.....
1899	.....	.....	1,294 65	$3 25	.....	.....	.....	.....	.....
1900	.....	.....	822 07	8 00	.....	.....	.....	.....	.....
1901	.....	.....	434 58	8 79	.....	.....	.....	.....	.....
1902	.....	.....	67 48	25 33	.....	.....	.....	.....	.....
1903	.....	.....	55 61	27 85	.....	.....	.....	.....	.....
1904	.....	.....	30 93	20 43	.....	.....	.....	.....	.....
1905	.....	.....	614 45	14 79	.....	.....	.....	.....	.....
1906	21 25	.....	310 47	13 85	.....	.....	.....	.....	.....
1907	168 39	.....	25 15	21 42	$633 15	.....	.....	.....	.....
1908	13 24	.....	64 58	53 86	2,120 64	$25 24	$ 66	$1,254 80	.....
1909	10 79	.....	.....	70 97	2,128 85	313 04	16 56	1,305 36	$16 48
1910	134 85	11 40	26 97	121 75	1,862 34	1,352 06	73 89	1,461 90	48 80
1911	44 11	.....	198 74	84 13	2,887 96	312 67	22 92	2,663 54	55 91

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COLLECTED UP TO AND INCLUDING DEC. 30, 1911.

In	Miscellaneous Collections	Street Watering Assessments	Sewer House Connections Old Account	Sewer Assessments	Sidewalk Applications	Sidewalk Apportionments	Sewer Apportionments	Sewer Apportionment Interest	Sidewalk Assessments
1893.....	$3,964 26	.....	.....	.....	.....	.....	.....	.....	.....
1894.....	58,449 33	$1,888 95	.....	.....	.....	.....	.....	.....	.....
1895.....	106,298 33	1,838 27	$6,572 42	$20,296 80	.....	.....	.....	.....	.....
1896.....	116,076 50	2,345 76	13,364 02	77,671 59	$787 47	$17 27	$2,082 40	$43 51	.....
1897.....	102,111 94	2,843 37	10,385 93	27,705 22	2,010 16	17 27	8,911 16	514 39	$337 38
1898.....	114,403 72	3,479 41	7,462 46	10,889 93	1,499 26	17 26	13,127 09	1,059 94	472 70
1899.....	130,301 08	3,613 89	5,206 29	11,089 96	1,507 33	58 31	15,605 44	1,915 88	2,259 02
1900.....	123,620 63	3,792 54	5,472 40	2,057 01	863 45	92 17	11,570 76	1,940 69	2,189 27
1901.....	76,886 12	4,978 37	5,381 34	1,894 05	1,055 96	136 78	9,395 19	1,689 76	1,022 49
1902.....	93,526 31	5,596 59	4,758 75	3,583 08	1,112 70	304 66	4,357 70	808 72	768 12
1903.....	91,965 95	6,102 39	3,783 51	4,412 76	417 06	217 90	1,836 23	232 42	.....
1904.....	84,984 35	6,242 36	2,904 12	2,490 91	829 54	146 94	1,547 62	149 27	913 29
1905.....	87,688 35	6,942 62	4,831 17	2,013 07	102 48	142 84	1,443 53	171 02	1,015 44
1906.....	95,221 60	6,579 85	2,972 47	2,006 69	1,088 71	192 92	1,345 32	226 82	1,029 02
1907.....	129,777 67	6,750 92	2,972 65	2,347 80	637 13	405 44	483 68	71 31	4,878 30
1908.....	36,815 65	9,109 36	729 00	1,586 35	1,402 24	847 80	826 29	100 03	2,341 11
1909.....	32,241 30	9,882 03	63 43	*1,716 01	2,234 16	780 00	*.....	68 93	1,664 58
1910.....	89,279 72	10,302 05	3 77	*4,517 73	754 47	1,096 71	*.....	67 40	1,695 22
1911.....	36,581 95	11,141 19	.....	*3,939 38	989 07	832 10	*.....	35 62	2,366 44

Respectfully submitted,
EDWARD W. HAYES,
City Collector.

*Assessments and Apportionments.

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Annual Report of the Board of Assessors

Honorable Charles S. Taylor, Mayor of the City of Medford:

Dear Sir,—The Assessors of Medford herewith submit their annual report for the year ending December 31, 1911.

Warrants for the assessment of taxes in the City of Medford for the year 1911 were received by the Board of Assessors as follows:

A State Warrant for the City of Medford's part of a State Tax of $5,500,000 as apportioned by Chapter 752 of the Acts of 1911	$33,770 00
A County Warrant for the Tax of Middlesex County for County purposes	21,561 17
A State Warrant for Metropolitan Sewer Tax, Chapter 439, Acts of 1889	22,263 45
A State Warrant for the Metropolitan Park and Boulevard Tax	16,787 72
A State Warrant on account of cost of maintenance and operation of Wellington or Middlesex Avenue Bridge	1,237 26
A State Warrant for Highway Tax in accordance with Chapter 47, Section 16 of the Revised Laws	43 00
A State Warrant for the Charles River Basin Tax in accordance with Chapter 465 of the Acts of 1903	5,796 45
A City Warrant for Tax of City of Medford for City purposes	425,248 86
Overlay	15,145 52
	$541,853 43

The rate of taxation required to raise the amount of the several warrants and overlay (less estimated receipts) was

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determined by the Board of Assessors to be $19.80 per $1,000 and the same was provided for as follows:

6,866 polls at $2.00 each	$13,732 00
Real Estate Tax at $19.80 per $1,000	428,811 57
Personal Tax at $19.80 per $1,000	70,768 17
Corporation Tax	14,771 36
Bank Tax	3,903 62
Boston Elevated R. R. Tax, (Section 10, Chapter 500, Acts of 1907)	5,866 71
Note on account of Charles River Basin Tax	4,000 00
	$541,853 43

Number of Polls and Valuation of the City by Wards, April 1, 1911.

	No. of Polls	Personal Estate	Real Estate Bldgs.	Real Estate Land
Ward 1	910	$268,100	$1,668,950	$860,600
Ward 2	1,022	130,400	1,597,050	1,129,150
Ward 3	746	2,267,350	2,645,550	2,918,800
Ward 4—one	668	119,550	1,109,500	818,300
Ward 4—two	530	22,100	795,200	389,950
Ward 5	1,496	50,350	2,501,750	1,305,500
Ward 6—one	941	612,200	2,122,000	1,762,600
Ward 6—two	224	39,350	947,750	455,750
Ward 7	424	99,750	708,300	761,300
	6,961	$3,609,150	$14,096,050	$10,401,950
Less Soldier Exemption	95			
Taxable polls	6,866			

Total valuation April 1, 1911	$28,107,150
Less City and Exempted Property	2,875,850
Total Taxable valuation April 1, 1911	$25,231,300

Rate per $1,000, $19.80

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Amount of Taxes Committed to the Collector, (Polls, Personal and Real Estate)		$513,311 74
Street watering assessments		12,258 43
Sewer apportionments		920 58
Sewer apportionments interest		51 66
Sidewalk apportionments		606 76
Sidewalk apportionments interest		61 17
Sewer house connection apportionments		420 70
Sewer house connection apportionments interest		39 88
Sewer house connection assessments		1,459 39
Sewer house connection assessments interest		52 84
Gypsy and Brown Tail Moth Assessments		2,316 82
Total amount committed to Collector in original warrants		$531,499 97
Supplementary warrants:		
Poll taxes	$56 00	
Excise tax, Bay State Street Railway Co.	207 00	
Personal tax	25,819 20	
Real estate tax	304 92	
Total		$26,387 12
Total amount of warrants committed to Collector for 1911		$557,887 09
Supplementary warrant for Gypsy and Brown Tail Moth Assessment of 1910	$1 25	

Taxable Valuations.

Real and personal estate by assessors general assessment	$25,231,300
Real and personal estate by assessors supplementary warrants	1,319,400
Total taxable valuation	$26,550,700

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Exempt Valuations.

Real Estate of Houses of Religious Worship	$420,650	
Real Estate of Charitable Institutions	130,400	
Real Estate of Scientific and Literary Corporations	692,950	
Real Estate of Commonwealth of Massachusetts	35,850	
Real and Personal Estate of City of Medford	1,521,550	
Real Estate of Veterans of Civil War	74,450	
Total exempt valuation		2,875,850
Total assessed valuation for 1911		$29,426,550
Number of residents assessed on property:		
Individuals	2,715	
All other (firms, corporations, etc.)	431	
Total		3,146
Number of Non-residents assessed on property:		
Individuals	918	
All others	262	
Total		1,180
Number of persons assessed on property		4,326
Persons assessed for poll tax only		5,385
Total		9,711
Number of Militia (between 18 and 45 years of age)		4,862
Number of Polls		6,866
Tax on each Poll		$2 00
Number of Horses		547
Number of Cows		378

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Number of Neat Cattle other than Cows	4
Number of Dogs	974
Number of Automobiles	226
Number of Dwelling Houses	4,191
Population as found by the Assessors	23,773

Sidewalk Apportionments.

Jan. 1, 1911 there remained in the hands of the Assessors, Sidewalk Apportionments amounting to		$1,019 50
Amount of Apportionments certified Jan. 1, 1911 to Dec. 31, 1911		600 99
		$1,620 49
Amount of Sidewalk Apportionments added to taxes of 1911	$606 76	
Amount of Sidewalk Apportionments paid in advance Jan. 1, 1911 to Dec. 31, 1911	44 11	
Balance of Sidewalk Apportionments in hands of Assessors, Jan. 1, 1912	969 62	
	$1,620 49	

Sewer Apportionments.

Jan. 1, 1911 there remained in the hands of the Assessors, Sewer Apportionments amounting to	$2,260 34
From Jan. 1, 1911 to Dec. 31, 1911, the Water and Sewer Commissioners certified Sewer Apportionments amounting to	2,583 73
	$4,844 07

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Sewer Apportionments were added to Taxes of 1911 amounting to	$ 920 58	
Amount of Sewer Apportionments paid in advance Jan. 1, 1911 to Dec. 31, 1911	198 74	
Balance of Sewer Apportionments in hands of Assessors, Jan. 1, 1912	3,724 75	
		$4,844 07

Sewer House Connection Apportionments.

Jan. 1, 1911 there remained in the hands of the Assessors, Sewer House Connection Apportionments amounting to		$1,090 59
Amount of Apportionments certified Jan. 1, 1911 to Dec. 31, 1911		721 93
		$1,812 52

Sewer House Connection Apportionments added to taxes of 1911	$420 70	
Apportionments paid in advance Jan. 1, 1911 to Dec. 31, 1911	55 91	
Balance of Apportionments in hands of Assessors, Jan. 1, 1912	$1,335 91	
		$1,812 52

Sewer House Connection Assessments not paid Aug. 2, 1911, and unapportioned amounting to $1,459.39, were added to taxes of 1911 according to Section 33 of Chapter 49 of the Revised Laws.

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ABATEMENTS.

Polls, Personal and Real Estate.

Taxes of 1908	$1,211 28
Taxes of 1909	43 43
Taxes of 1910	1,559 25
Taxes of 1911	4,393 62
Total amount of abatements certified to Collector	$7,207 58

Abatements of Street Watering Assessments.

Street Watering added to Taxes of 1909	$13 65
Street Watering added to Taxes of 1910	13 65
Street Watering added to Taxes of 1911	45 05
Total amount abated through Collector	$72 35
Street Watering added to Taxes of 1911 abated through the Treasurer	6 06
Total amount abated	$78 41

Abatements of Gypsy and Brown Tail Moth Assessments.

Gypsy and Brown Tail Moth Assessment added to Taxes of 1910	$15 63
Gypsy and Brown Tail Moth Assessment added to Taxes of 1911	16 00
Total amount abated	$31 63

Abatement of Sidewalk Assessment.

Erroneous assessment	$8 87

RE-ASSESSED TAXES.

Personal and Real Estate.

Taxes of 1909	$303 00
Taxes of 1910	410 55
Taxes of 1911	34 65
Total re-assessments	$ 748 20

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Re-assessments of Street Watering.

Street Watering added to Taxes of 1909.....	$2 94
Street Watering added to Taxes of 1910.....	2 94
Street Watering added to Taxes of 1911.....	17 33
Total.....	$23 21

Gypsy and Brown Tail Re-assessments.

Gypsy and Brown Tail Moth Assessment added to Taxes of 1909.....	$6 10
Gypsy and Brown Tail Moth Assessment added to Taxes of 1910.....	14 75
Gypsy and Brown Tail Moth Assessment added to Taxes of 1911.....	8 00
Total.....	$28 85

Respectfully submitted,

HENRY WITHINGTON
EDWARD S. RANDALL,
IRVIN E. PEAK,
Board of Assessors of Medford.

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Report of the City Treasurer

Medford, Mass., January 22, 1912.

Hon. Charles S. Taylor, Mayor of the City of Medford:

Sir,—As required by Section 31 of the Revised Charter, I herewith submit the following report:

Cash in Treasury January 1, 1911.....	$59,859 73
Receipts to December 31, 1911.....	1,289,598 21
	$1,349,457 94
Expenditures to December 31, 1911.....	1,252,553 88
Cash in Treasury January 1, 1912.....	$96,904 06

Respectfully submitted,

EDWARD A. BADGER,
City Treasurer.

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Report of the Overseers of the Poor

Medford, January 1, 1912.

To the Honorable Charles S. Taylor, Mayor of the City of Medford:

Sir,—The Overseers of the Poor herewith respectfully submit their annual report for the year ending Dec. 20, 1911:

Almshouse.

On January 1, 1912, the number of inmates was fifteen.

Number of inmates Jan. 1, 1911		18
Admitted during 1911		10
Discharged during 1911	10	
Died during 1911	3	
Inmates Jan. 1, 1912	15	
	28	28

Average number of inmates weekly		16 plus
Cost per week		$97 68
Cost per week per capita		6 10

The expenditures have been for:

Labor and Salaries	$1,484 70
Groceries and Provisions	1,690 05
Clothing, Shoes, etc	98 54
Fuel	416 81
Grain and Feed	435 22
Medicine and Drugs	158 64
Tobacco	42 12
Pigs	30 25
Tree, Plants, Seed, etc	79 82
Shoeing Horses, and Repairs	72 80
Water Rates	93 39
Repairs and Incidentals	225 49

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Gas	98 40	
Telephone	40 88	
Burial	15 00	
Unexpended balance	18 60	
		$5,000 71
Our receipts have been:		
Appropriation	$4,200 00	
Board of Inmates	286 00	
Sale of Products	299 71	
Transfer	215 00	
		$5,000 71

Almshouse Repair.

Expended	$247 88	
Unexpended	2 12	
	$250 00	
Appropriation		$250 00

Horse.

Expended	$151 50	
Unexpended	73 50	
Appropriation		$150 00
Sale of old horse		75 00
	$225 00	$225 00

Outside Relief.

Expended for:	
135 persons having a settlement in Medford and aided at their homes	$3,437 78
14 in City Hospital, Boston	305 71
2 in City Hospital, Malden	71 50
4 in City Hospital, Somerville	143 42
2 in City Infirmary, Boston	76 44
1 in Dr. Packard's Hospital	50 90
2 in Dearborn Hospital	436 57
2 in Massachusetts General Hospital	117 44

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4 in State Infirmary	$131 08
1 in Massachusetts Hospital School	208 57
79 living in Medford and settled elsewhere	918 21
22 living in Medford, unsettled	350 17
4 burials	68 00
272	
Incidentals	162 98
Unexpended	3 97
Total	$6,482 74

Our receipts have been:

Appropriation	$4,000 00
Commonwealth of Massachusetts	380 39
City of Boston	195 00
City of Cambridge	1 40
City of Everett	123 50
City of Lawrence	120 24
City of Malden	303 81
City of Melrose	67 65
City of Somerville	14 42
City of Woburn	118 40
Town of Adams	28 00
Town of Provincetown	166 31
Town of Winchester	36 49
Mrs. Geo. Daniels	107 13
Transferred	820 00
	$6,482 74

The number of persons given outside relief from and including 1905 (when the State took over the care of the insane) to 1911 inclusive, was in

1905, 326 persons	$3,646 66
1906, 285 persons	4,021 12
1907, 250 persons	4,483 30
1908, 345 persons	4,698 95
1909, 319 persons	5,034 95

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1910, 291 persons	$5,995 52
1911, 272 persons	6,478 77
Net cost Almshouse	$4,396 40
Net cost Outside Relief	4,816 03

We respectfully recommend that the appropriations be made as follows, for the ensuing year:

Almshouse	$5,000 00
and all moneys received for board of inmates and sale of products of the farm.	
Outside Relief	$5,000 00
and all moneys received from the State and other cities and towns for aid rendered.	

Respectfully submitted,

J. W. BRAGDON,
JOHN W. ROCKWELL,
GEORGE B. GILL,
Overseers of the Poor.

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Report of the Trustees of Cemeteries

Medford, January 1, 1912.

Hon. Charles S. Taylor, Mayor of the City of Medford:

Dear Sir,—The Trustees of Cemeteries hereby submits its annual report in accordance with the charter provisions.

During the year there have been 159 interments in the cemeteries of the city as follows:

In private lots, Oak Grove Cemetery	66
G. A. R. lot, Oak Grove Cemetery	2
Single Graves, Oak Grove Cemetery	74
Free Graves, Oak Grove Cemetery	15
Cross Street Cemetery	2
Total	159

There were five dis-interments from single graves and the re-interments made in lots, and there were two removals to other cemeteries.

Receiving Tomb.

There were 13 bodies placed in the tomb which, with two exceptions, were interred in Oak Grove Cemetery.

Gypsy and Brown Tail Moths.

This work is well in hand, but it is necessary that a portion of the appropriation should be expended each year to keep the pests reasonably suppressed.

Property.

All buildings and fences are in good condition, and with the exception of the stable and shed adjoining, which will require painting, no material repairs will be needed this year.

A falling off of about 20% in the number of interments, as compared with the year 1910, materially affected the income of the department in the sale of lots and graves, as well as the receipts from interment fees, and as a consequence a number

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of improvements which had been contemplated, were necessarily deferred until such time as circumstances would permit.

This Board would respectfully call your attention to the need of macadamizing the main avenues; the making of a plan of the old part and the providing of suitable toilet arrangements at Oak Grove Cemetery as soon as the city's financial condition will warrant the expenditure of the necessary amounts.

The erection of a suitable fence at the Salem Street Cemetery, on the line of Boston & Maine R. R. property, is contemplated as the expense will be small and can be taken from the regular appropriation, while such a fence will prove of great advantage and improvement to the grounds.

Perpetual Care.

The fund for Perpetual Care now amounts to $37,520.40.

Receipts and Disbursements.

Received by Appropriation	$3,400 00
Received from Sale of Lots and Graves	2,993 50
Received from Interments, etc	1,274 00
Received from Interest Perpetual Care Fund	1,325 71
Total receipts	$8,993 21
Total expenditures	8,985 49
Balance unexpended	$7 72

We would respectfully recommend that the amount of $4,000 be appropriated for the care of the several cemeteries of the city for the year 1912, and to provide for increasing the pay of the laborers employed in the Department.

Respectfully submitted,

BARKER B. HOWARD,
OSCAR H. ALLEN,
HARRY HIGHLEY,
Trustees of Cemeteries.

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Report of the Sealer of Weights and Measures

Medford, Mass., Jan. 1, 1912.

Hon. Charles S. Taylor, Mayor, Medford:

Sir,—The following report of the Sealer of Weights and Measures, for the year 1911, is respectfully submitted:

Scales tested and sealed	467
Weights tested and sealed	914
Dry measures tested and sealed	342
Liquid measures tested and sealed	641
Linear measures tested and sealed	33
Milk jars tested and sealed	2,200
Berry baskets inspected	3,600
	8,197

Scales, weights and measures condemned:

Scales	37
Weights	3
Dry measures	6
Liquid measures	6
Milk jars	48
Berry baskets	48
	148

Financial.

Amount appropriated		$200 00
Tools and supplies	$96 54	
Team and helper	90 00	
Fares and incidentals	13 46	200 00

Fees received account of sealing in streets and in stores, and paid over to the City Collector	$100 63
Fees paid direct to City Collector	6 94
Total receipts for sealing	$107 57

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For the purpose of properly carrying on the work of this department for the ensuing year, I would recommend that the sum of two hundred dollars ($200.00) be appropriated.

Very respectfully,

WINSLOW JOYCE,
Sealer of Weights and Measures.

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Report of Chief Engineer of the Fire Department

Medford, Mass., January 1, 1912.

Hon. Charles S. Taylor, Mayor, City of Medford, Mass.

Dear Sir:—In compliance with the requirements of the City Ordinances, it gives me great pleasure to again present to you the annual report of this department for the year ending December 31, 1911.

In this report will be found the manual force, list of apparatus and condition of same, horses, hose, fire stations; also a statement of fires and alarms and cause of same, together with the name of owner and occupant, value losses, and insurance thereon as near as could be ascertained, and other information I thought would be of interest.

Fire Stations.

During the year just past on a special appropriation of four thousand dollars for repairs on buildings, new hose, and horses, considerable repairing and renovating has been done at the different fire stations, and at the present time all the buildings are in fair condition except the old hose house on Canal Street, West Medford, and some repairs still to be made at the central fire station. The work done at the different houses is as below.

At the Central Fire Station, new tin roof and new conductors on main building, new floor and new copper bell deck in tower; all joints in brick work outside of building including tower pointed where needed, bell in tower raised about three feet, building equipped with electric lights, apparatus rooms and stable walls and ceilings touched up and varnished, chamber on second floor, ceilings whitened, walls painted, recreation room ceiling whitened, walls painted, Chief's room,

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ceiling whitened, bathroom walls and ceiling painted, small room on lower floor, part of room plastered, walls and ceiling painted.

At Hose Four House, rooms and halls in second story, and lower front hall, ceilings whitened, walls painted, building equipped with electric lights, clapboards on building replaced and renailed, new conductors on building, new drainage system for water from roof of building, flag pole straightened up and painted.

At Combination A. House. Practically nothing has been done at this house the past year, the last part of last year the men in this house painted the walls of the apparatus room, and the ceiling was whitened, and most of the rooms on second floor were papered. This year Mr. Walker, who has lived in the house for a number of years, moved out on account of our not having room enough for the men who sleep in the house, and on account of there being no way that the men could take a bath. On account of his moving, we had no way to heat water for using in the house, and so we had a gas heater installed, which has given the best of satisfaction. A door was cut through from the ell to the main building so we could use these rooms for sleeping purposes. This building should be replaced with a new house very soon.

Combination B. House. Sleeping room, ceiling whitened, walls painted and varnished, halls painted, some changes in electric lights, rail and posts at sliding pole for protection from any person falling, and the usual amount of stall repairing.

Combination C. House. Recreation room, ceiling whitened, walls painted and varnished, upper and lower hall ceilings whitened, walls painted, woodwork varnished, gas fixtures relacquered and polished, post and rail at sliding poles. New brick chimney has been built on outside of building, saving about thirty-five feet of smoke pipe and giving a great deal better draft for steam boiler. The yard has been regraded and a new catch basin has been built to carry away the water from the roof.

Apparatus Used by This Department.

The apparatus used by this department is the same as last year, namely: At the Central Fire Station, Engine No. 1.,

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Hose No. 1., and Hook and Ladder No. 1. Also Chief's wagon, one exercise or fuel wagon, two pungs and one sleigh.

At the Spring Street Fire Station: Hose No. 4., wagon, one exercise or fuel wagon, and one pung.

At the Canal Street Fire Station: Combination A. wagon, one exercise or fuel wagon, and one pung.

At the Medford Street Fire Station: Combination B. wagon, one exercise or fuel wagon; the pung belonging to this house is stored at the Central Fire Station.

At the Salem Street Fire Station: Combination C. wagon, one exercise or fuel wagon. Also stored at this house is one double tank Babcock Chemical Engine, and the old Hose No. 3. wagon; these two pieces of apparatus we use as spare apparatus.

This apparatus is all in good condition except the Hook and Ladder Truck, which needs painting quite badly, and the exercise wagon at Hose 4. house which should be painted during the coming year.

The past year we have put band brakes on Hose Wagon No. 1., Hook and Ladder Truck No. 1., and Combination Wagons A. B. and C. Bells have been placed on Hose Wagon No. 1. and 4.; also on Combination Wagons A. and C. Wire baskets have been placed on Hose Wagons No. 1. and 4.; also on Combination B. Wagon. Combination B. Wagon has also been painted.

In regard to automobile apparatus, as they have now most certainly passed the experimental period, and according to report of different fire officials throughout the country, and have given such perfect satisfaction, both in regard to the quick runs to fires and the great saving in cost of maintenance, that I would recommend the purchase of some apparatus of this kind.

Horses Owned by the Fire Department.

There are seventeen horses owned by this department, located as follows: Nine at the Central Fire Station; two at Hose 4 House, Spring Street; two at Combination A. House, Canal Street; two at Combination B. House, Medford Street; and two at Combination C. House, Salem Street. During the past year we have purchased three horses, and disposed of

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three. One new horse on Hook and Ladder hitch, and a new pair on Combination A. hitch, the pair formerly on Combination A. hitch, being transferred to Hose 4. hitch.

Manual Force.

Permanent Force: The permanent force is the same as last year namely, fourteen men including the Chief. And as I said in my last report, we should have at least two more permanent at once. As we are now situated with only two men in each of the four outlying houses on the days off, it leaves only one man on duty in these houses. The men have got to go out to get their meals, and during these meal hours, three times a day, there is no person in these houses to drive the apparatus to a fire, or answer the telephone in case a call of fire over the wire. Again, during the vacations of the men in the different fire stations, which is fourteen days for each man, and runs from June 5th to September 14th, some one man from the Central fire Station, and one from some one of the four other fire stations are on a vacation, and during this entire time some one of these four houses are uncovered during the meal hours. Even with these two extra men we would be obliged to leave some of the houses uncovered during the vacation period. I most respectfully recommend that two more permanent men be appointed.

The Call Force: The only changes in the membership of the Call Force was the resignation of Michael M. Mara and James B. Barnes, both members of Hose Company No. 4. (Mr. Mara, resigned the latter part of the year 1910, but by mistake his name was placed on the list of members in my last report). Mr. Howard N. Woodbridge was appointed a call man and assigned to duty as a ladderman on Hook and Ladder No. 1.

The membership of the other companies connected with the department remains the same as last year, except that we have appointed four substitutes, who receive one dollar for each alarm that they answer. This makes five substitutes who are paid this way, one being appointed last year.

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Hose.

This year we have purchased fifteen hundred feet of 2½ inch hose and condemned about seven hundred and fifty feet, leaving about nine thousand one hundred feet of servicable hose on hand, and we should have at least one thousand feet of new hose this year. We have also purchased three hundred feet of chemical hose, two hundred feet of which was placed on Combination B. Wagon, the hose on that wagon being old and unreliable. We placed fifty feet each, on Combination A. and C. wagons; this makes two hundred feet on each Combination wagon instead of one hundred and fifty, the amount formerly carried.

Fires and Alarms During the Year 1911.

January 2. Still, 11.27 a.m. House 18 Wright Avenue. Owned by Mrs. Margaret Budrow; occupied by F. Decarpis and J. K. Lufkin. Value of building and contents, $8,200. Insurance on same, $6,300. Damage, $35. Fire caused by small child playing with matches.

January 5. Still, 5.01 a.m. Block 561 Broadway. Owned by Joseph Gohen; occupied by L. Belham and others. Value of building and contents, $11,700. Insurance on same, $9,000. Damage $320. Fire caused by upsetting of oil lamp.

January 6. Box 39, 4.02 p.m. False Alarm.

January 10. Still, 2.25 p.m. Old sofa in shed at rear of 185 Park Street. No damage. Fire caused by children playing with matches

January 10. Box 75, 8.14 p.m. Old unoccupied building at clay pits opposite Tufts R. R. Station. Building owned by H. C. Garland. Value, $250. No insurance. Total loss. Set by some person unknown.

January 11. Box 74, 10.45 p.m. House 46 and 48 Granville Avenue. Owned and occupied by A. McKenna. Value of building and contents, $5,700. Insurance on same, $4,200. Damage, $235. Fire caused by upsetting of oil lamp.

January 12. Still, 12.25 a.m. House and store 187 Park Street. Owned by W. H. Hill; occupied by Walter Gard-

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ner. Value of building and contents, $5,300. Insurance on same, $2,000. Damage, $115. Cause of fire, unknown. Mrs. Gardner was found on floor burned to death.

January 12. Box 46, 4.13 p.m. House 62 Arlington Street. Owned and occupied by W. A. Rowland. Value of building and contents, $2,800. Insurance on same, $2,000. Damage, $37. Fire caused by small child left in the house alone, trying to light a lamp, lamp tipped over setting child's clothes on fire and child burned to death.

January 14. Box 32, 12.15 a.m. Store 44 Grant Avenue. Owned by E. J. Roberton; occupied by Jacob Libon. Value of building and contents, $850. Insurance on same, $500. Damage $575. Fire caused by rats and matches.

January 14. Box 18, 10.20 p.m. House 72 Main Street. Owned and occupied by H. C. Etter. Value of building and contents, $6,000. Insurance on same, $5,000. Loss, $5. Fire in bed clothes caused by a boarder smoking in bed.

January 17. Still, 5.08 p.m. Small shed at brick yard opposite Tufts R. R. Station. Building of no value. Owned by H. C. Garland. Set by some person unknown.

January 17. Box 75, 5.15 p.m. Pulled for the above fire.

January 19. Still, 1.25 p.m. Grass and bill board corner of Main and Henry Streets. Combination B. answered.

January 22. Still, 1.41 p.m. Grass fire on bank of Gravelly Creek back of A. Tainter's barn. Combination C. answered.

January 22. Box 26, 1.48 p.m. Pulled for the above fire.

January 23, Still, 5.15 a.m. Shed owned by the New England Brick Co., Riverside Avenue. Value of building and contents, $25,000. Insurance on same, $25,000. Damage, $25. Fire caused by woodwork too near fire arch for burning brick. Hose 4. answered.

January 23. Still, 7.04 a.m. Grass fire at North Street R. R. bridge. Combination A. answered.

January 24. Still, 5.51 p.m. Grass fire on bank of the Mystic River, South Street, opposite Maple Street. Hose 1. answered.

January 25. Still, 2.13 p.m. Grass fire corner of Arlington and Sharron Streets. Combination A. answered.

January 26. Box 51, 7.53 p.m. Dredging scow in Mystic

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River at Auburn Street bridge. Owned by the Eastern Dredging Co. Value of scow and contents, $3,700. Insurance on same,nothing. Damage, $75. Fire caused by hot coal dropping from fire box boiler setting woodwork on fire.

January 28. Box 312, 10.30 a.m. House 186 Spring Street. Owned and occupied by C. J. Rogan. Value of building and contents, $4,000. Insurance on same, $3,600. Damage, $270. Fire in closet on second floor caused by small child playing with matches.

January 29. Still, 4.59 a.m. Grass fire off Fulton Street, near Rifle Range. Combination C. answered.

January 29. Box 251. Pulled for the above fire.

January 29. Still, 2.10 p.m. Reported grass fire Arlington Street, near Boulevard. Combination A. answered. Found no fire.

January 30. Box 63, 6.46 p.m. House 276 Main Street. Owned and occupied by D. Cervenia. Value of building and contents, $3,700. Insurance on same, $3,500. Damage, $290. Fire in partitions caused by overheated furnace.

January 31. Still, 3.30 p.m. Grass fire at Grove Street bridge. Combination A. answered.

February 1. Box 27, 9.17 a.m. House 152 Washington Street. Owned by Mrs. B. H. Pawl; occupied by J. H. Rogers and F. M. Sawyer. Value of building and contents, $10,000. Insurance on same, $6,500. Damage, $100. This fire on roof caused by spark from chimney.

February 1. Still, 4.53 p.m. Grass fire opposite Car House, back of restaurant. Combination C. answered.

February 14. Still, 7.40 p.m. House 7 Hillside Avenue. Owned and occupied by F. W. Lawson. Value of building and contents, $6,300. Insurance on same, $5,500. No fire; house filled with smoke from fire place. Hose 1. answered.

February 16. Box 63, 10.40 a.m. House 7 and 9 Golden Avenue. Owned by C. J. Deferare; occupied by C. J. Deferare and W. R. Fairweather. Value of building and contents, $7,200. Insurance on same, $6,800. Damage, $770. Fire in cellar caused by a pile of paper too near furnace.

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February 27. Box 29, 10.05 a.m. Block 214 to 224 Salem Street. Owned by Mrs. Sarah Gordon; occupied by J. Buckley and others. Value of building and contents, $10,600. Insurance on same, $9,800. No damage. Roofers repairing roof. Tar kettle got on fire on roof.

February 27. Box 31, 10.11 a.m. Pulled for the above fire.

March 4. Still, 9.45 p.m. Small shed of no value, rear of 44 Paris Street. Owned by J. Hawkins. Mr. Hawkins was going to tear shed down and placed no value on it. Caused by careless use of matches.

March 6. Still, 3.04 p.m. Rubbish fire on estate of E. Teel & Co., Union Street. Hose 1. answered.

March 14. Box 541, 4.10 p.m. False Alarm.

March 15. Still, 7.10 p.m. House 47 Summit Road. Owned and occupied by D. S. Shenk. Value of building and contents, $9,000. Insurance on same, $8,000. Damage, $5, but no claim made. Fire caused by burning paper from chimney on roof.

March 15. Box 58, 7.12 p.m. Pulled for the above fire.

March 17. Still, 9.50 p.m. Car owned by Boston Elevated R. R., in Medford Square. No damage. Hose 1. answered.

March 25. Still, 1.30 p.m. Grass fire at Wellington near Boulevard. Hose 4. answered

March 26. Box 44, 12.20 a.m. Automobile Garage 307 Arlington Street. Owned by Joshua Payne. Value of building and contents, $1,596. Insurance on same, $1,500. Damage, $1,200. Cause of fire unknown.

March 26. Box 45, 12.29 a.m. Pulled for the above fire.

March 26. Still, 1.05 a.m. Grass fire near Railroad bridge at College Avenue. Caused by spark from engine on Boston & Maine R. R.; put out by Combination B. Co. while returning from the Payne fire.

March 26. Still, 2.50 p.m. Grass fire Allston Street. (Perry estate). Combination A. answered.

March 26. Box 76, 3.40 p.m. House 12 Willard Avenue. Owned by H. C. Jones; occupied by A. L. Mason and G. H. Albee. Value of building and contents, $7,700. Insurance on same, $6,250. Damage, $759. Fire in cellar caused by hot ashes in wood barrel.

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March 26. Box 63, 5.09 p.m. Old building at clay pits opposite Tufts R. R. Station. Building of no value.

March 26. Still, 7.30 p.m. Grass fire off boulevard near steel works. Hose 4. answered.

March 26. Still, 8.10 p.m. Grass fire back of boulevard theatre. Combination C. answered.

March 31. Still, 3.24 p.m. House 9 Lapham Street. Owned by John Carrol. Occupied by J. Carrol and A. Eno. Value of building and contents, $8,200. Insurance on same, $6,800. Damage, $5. Chimney fire; slight damage.

April 1. Box 34, 9.45 p.m. House 10 Foster's Court. Owned and occupied by H. Chadwick. Value of building and contents, $3,600. Insurance on same, $2,600. Damage, $640. Fire in second story in ell, caused by lamp in incubator or brooder.

April 2. Box 76, 11.05 a.m. House 12 Willard Avenue. Owned by H. E. Jones; occupied by G. H. Albee. Value of building and contents, $7,700. Insurance on same, $6,200. No fire; smoke came through register and filled room with smoke.

April 2. Box 71, 11.48 a.m. House 57 Dexter Street. No fire. House filled with smoke from dinner in oven burning.

April 3. Still, 3.52 p.m. Grass fire at City Farm. Combination C. answered.

April 4. Box 421, 9.46 a.m. Grass fire on bank of Boston & Maine R. R. at Winthrop Street bridge.

April 7. Box 74, 9.52 p.m. Grass fire off Granville Avenue.

April 8. Still, 12.45 p.m. Grass fire off Rockwell Avenue. Hose 4. answered.

April 11. Still, 6.05 p.m. Fire on roof of old shed of no value, on Cotting Street. Put out by boys.

April 12. Still, 11.20 a.m. Grass fire off Hastings' Lane. Combination A. answered.

April 13. Box 64. Grass fire junction of Mystic Avenue and Hancock Street.

April 14. Still, 12.30 p.m. Grass fire corner of Washington Street and Sheridan Avenue. Hose 4. answered.

April 14. Still, 10.05 p.m. Called to new three appartment house on Emerson Street. No fire; light from salamanders drying plastering. Hose 1. answered.

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April 15. Still, 7.25 p.m. Grass fire near golf links off Governor's Avenue. Hose 1. answered.

April 16. Still, 8.09 p.m. House Franklin Avenue. Owned and occupied by F. S. French. Value of building and contents, $6,100. Insurance on same, $5,500. Damage, $3,250. Cause of fire unknown.

April 16. Box 541, 8.14 p.m. Pulled for the above fire.

April 16. Box 56, 8.18 p.m. Pulled for the above fire.

April 16. Stable on the same grounds as the French house, and this building caught from the above fire. Value of building and contents, $4,500. Insurance on same, $4,500. Damage, $100.

April 17. Box 251, 2.40 p.m. Grass fire between the boulevard and Fulton street. Combination C. answered.

April 17. Still, 6.20 p.m. Grass fire on banks of Boston & Maine R. R., near College Avenue bridge. Hose 1. answered.

April 18. Box 55, 7.55 p.m. False Alarm.

April 18. Box 38, 9.07 p.m. False Alarm.

April 19. Still, 9.32 a.m. Grass fire off Mystic Street, rear 117. Combination A. answered.

April 20. Box 18, 1.25 a.m. Opera House High Street., Owned by E. Doherty; occupied by C. Smith and others. Value of building and contents, $38,000. Insurance on same, $34,300. Damage, $240. Fire in bowling alley in cellar. Caused by cigar or cigarette.

April 19. Still, 11.33 a.m. Grass fire off Fulton Street, near Child's Grove. Combination C. answered.

April 21. Still, 10.02 a.m. Grass fire at Wright's Pond. Combination C. answered.

April 23. Box 56, 4.18 p.m. Fire on Winthrop Street dump.

April 23. Box 74, 8.30 p.m. House 91 Winchester Street. Owned by R. J. Jones; occupied by F. C. Ward. Value of building and contents, $3,100. Insurance on same, $2,800. Damage, $103. Caused by upholstered chair too near stove, catching fire.

April 24. Still, 1.05 p.m. Grass fire 216 Park Street. Combination C. answered.

April 24. Box 251, 7.20 p..m Grass fire off Fulton Street. Rifle Range, on land of S. C. Lawrence.

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April 25. Still, 12.40 p.m. Grass fire 55 Woburn Street. Combination A. answered.

April 25. Still, 6.04 p.m. Old mattress in rear of 31 Everett Street. Combination C. answered.

April 26. Still, 1.54 p.m. Grass fire off George Street, on the Stear's estate. Hose 1. answered.

April 27. Still, 11.50 a.m. Grass fire rear 52 Canal Street. Combination A. answered.

April 27. Box 56, 2.15 p.m. Grass fire off Winthrop Street, opposite City Farm. Caused by boy burning brush.

April 27. Still, 5.20 p.m. Electric car. Owned by Boston Elevated R. R., at Medford Square. No damage. Hose 1. answered.

April 27. Still, 5.50 p.m. Grass fire in woods off Fulton Street, near A. Tainter's farm, on land of S. C. Lawrence. Combination C. answered.

April 28. Box 312, 12.52 p.m. Grass fire off Spring Street, opposite Hooker Street, on land of T. Dwyer.

April 29. Still, 1.58 p.m. Fire on Winthrop Street, opposite Manning Street. Hose 1. answered.

April 29. Box 312, 5.58 p.m. False alarm, pulled by small boys; one went to house and got the key, another boy pulled the box.

April 30. Still, 12.45 p.m. Grass fire off Governors Avenue, back of H. Dutton's estate. Hose 1. answered.

May 2. Box 23, 5.02 p.m. Burning rubbish at rear of Baptist church, Oakland Street.

May 2. Box 27, 5.33 p.m. Boston & Maine R. R. bridge, Park Street. Slight damage.

May 2. Still, 8.40 p.m. Grass fire off Grove Street, in Winchester, on land of P. C. Brooks. Combination A. answered.

May 3. Box 35, 8.56 p.m. House 28 Lynden Street. Owned by F. E. Chandler; occupied by W. M. Raiarick. Value of building and contents, $4,300. Insurance on same, $2,500. Damage, $15. Fire caused by defective chimney.

May 6. Still, 1.05 a.m. Reported by police, a grass fire was burning at brick yard near Tufts College. Hose 1. answered, but found no fire.

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May 6. Box 261, 10.15 a.m. Grass fire in woods off Fulton Street, in Child's Grove.

May 6. Still, 2.00 p.m. Fire in woods same place as the above fire. Combination C. and Hose 4. answered.

May 6. Still, 6.10 p.m. Grass fire at foot of steps to Medford Club, off Governors Avenue. Hose 1. answered.

May 7. Still, 3.30 p.m. Grass fire off Governors Avenue on land of H. Dutton. Hose 1. answered.

May 7. Still, 7.48 p.m. Fire in woods in rear of golf links. Hose 1. answered.

May 8. Box 31, 4.35 p.m. Small shed owned by City of Medford Highway Department off boulevard, near Gorman's Theatre. Value of building and contents, $75. No insurance. Damage, $10. Caught from grass fire.

May 9. Box 63, 8.03 p.m. Old building at clay pit. Owned by H. C. Garland. Building of no value and was to be torn down. Fire set by some person unknown.

May 9. Box 75, 8.07 p.m. Pulled for the above fire.

May 10. Still, 3.00 p.m. Grass fire South Street, estate of G. Nicholds. Hose 1. answered.

May 10. Box 431, 3.51 p.m. Stable rear of 20 Gove Street. Owned and occupied by Mrs. Alberton Harris. Value of building and contents, $5,000. Insurance on same, $4,200. Damage, $60. This fire on out side of building, and was caused by children playing with a bonfire.

May 10. Box 41, 9.43 p.m. False Alarm.

May 11. Still, 8.00 a.m. Grass fire back of J. E. Ober & Son, coal yard off Prescot Street. Combination A. answered.

May 11. Box 421, 7.42 p.m. Bonfire on estate of G. Stearns.

May 11. Still, 8.05 p.m. Grass fire off boulevard near Park Street. Combination C. answered.

May 14. Still, 11.05 a.m. Grass fire corner of Elm Street and the boulevard, on land of S. C. Lawrence. Combination C. answered.

May 15. Box 58, 11.58 a.m. Grass fire off Governors Avenue, near top of Terrace Road.

May 15. Still, 8.00 p.m. Grass fire off boulevard, Fellsway, East, near Elm Street. Combination C. answered.

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May 16. Still. Grass fire off boulevard opposite State Police Station. Hose 1. and Combination C. answered.

May 18. Still, 5.33 p.m. House 106 Spring Street. Owned and occupied by G. W. Pike. Value of building and contents, $5,000. Insurance on same, $4,700. Damage, $5. Fire under front piazza, caused by owners in burning grass around house. Hose 4. answered.

May 20. Box 61, 11.08 p.m. Old building corner of Main and Emerson Streets. Not occupied. Owned by W. S. Richards. Building of no value. Fire set by some unknown person.

May 23. Still, 8.03 p.m. Brush and grass fire corner of Boston Avenue and Adams Street. Combination A. answered.

May 24. Box 24, 9.58 p.m. Old building on the Samuel Tay estate off Forest Street. Value of building, $75. No insurance; building total loss. Set by some person unknown.

May 25. Box 53, 8.03 p.m. False Alarm.

May 26. 11.28 a.m. False Alarm Box 73.

May 27. Box 26, 9.01 p.m. Band Stand on Common, Salem Street. Value, $650. No insurance. Damage, $10. Set by some person unknown.

June 3. Box 61, 11.52 p.m. House 12 and 14 James Street. Owned by F. E. Chandler. Value of building and contents, $4,000. Insurance on same, $500. Damage, $15. This fire was in attic and caused by upsetting of oil lamp.

June 4. Still, 12.40 a.m. Car number 1152. Owned by Boston Elevated R. R., Main street, near Mystic Avenue. Hose 1. answered.

June 4. Box 18. 5,25 p.m. Block corner of Forest and Salem Streets. Owned by Edward T. Bigelow; occupied by W. Smith and others. Value of building and contents, $29,700. Insurance on same, $22,500. Damage, $12. This fire was on edge of bed, caused by carpet sweeper picking up and lighting a match while sweeping the floor.

June 6. Still, 8.10 p.m. Electric light wire in contact with tree on Governors Avenue. Hose 1. answered.

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June 7. Box 24, 4.20 p.m. House 79 Governors Avenue. Owned and occupied by George Croudis. Value of building and contents, $9,000. Insurance on same, $5,500. Damage, $90. Fire in cellar in pile of rubbish. Cause of fire unknown.

June 7. Still alarm for above fire at 4.16 p.m. Hose 1 answered.

June 10. Box 35, 8.03 p.m. House 42 Linden Street. Owned by City of Medford, (Tax title). Occupied by A. Osslor and J. Wesreforstaks. Value of building and contents, $1,550. Insurance on same, $1,200. Damage, $44. Fire caused by clothes in closet touching stove pipe which ran through closet.

June 13. Box 71, 5.51 p.m. False Alarm.

June 16. Box 63, 9.02 p.m. Small shanty built by boys off Bussell's Lane. No value. Fire caused by stove in shanty.

June 17. Box 63, 2.40 a.m. Old express wagon on Harvard Street. Set by boys.

June 17. Box 312, 2.50 a.m. Stable at rear of 182 Spring Street. Owned and occupied by G. L. Elliot. Value of building and contents, $1,050. Insurance on same, $1,050. Damage, $320. Fire caused by sky-rocket going through window into hay, setting same on fire.

June 17. Still, 1.09 p.m. Block 12 High Street. Owned by C. Coburn; occupied by J. Connors and others. Value of building and contents, $11,500. Insurance on same, $9,600. Damage, $2. A fire cracker was placed in small hole in corner board and set on fire; scorched wood slightly.

June 19. Still, 2.30 p.m. House 17 Garfield Avenue. Owned and occupied by P. A. Brown. Value of building and contents, $5,000. Insurance on same, $4,400. Damage, nothing. No fire ; dampers of stove had been left open and stove was red hot.

June 21. Still, 4.40 p.m. Rubbish back of Norton's storehouse on marsh, near Mystic River. Hose 4. answered. No damage.

June 22. Still, 9.30 p.m. Small building on brick yard property off Harvard Street, used by the Toby Land Co. as an office. Value of building and contents, $450. Insurance

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on same, $250. Damage, $90. Fire set by some person unknown.

June 22. Box 75, 9.32 p.m. Pulled for the above fire.

June 23. Box 39, 7.41 a.m. House 15 Bradshaw Street. Owned and occupied by G. W. Wyman. Value of building and contents, $4,700. Insurance on same, $4,500. Damage, $45. Fire on roof caused by spark from chimney.

June 24. Still, 12.25 a.m. Small shanty on Pansy Farm off College Avenue. Owned by S. Robinson. Occupant's name unknown. Value of building and contents, $300. No insurance. Damage, $300. Cause of fire unknown.

June 24. Box 62, 12.32 a.m. Pulled for the above fire.

June 26. Still, 11.03 a.m. Coal shed off Prescott Street. Owned and occupied by J. E. Ober & Son. Value of building and contents, $450. Insurance on same, $450. Damage, $5. Fire caused by bonfire built by boys at back of shed. Small fire on roof.

June 27. Box 72, 8.32 p.m. House 34 Albion Street. Owned by Mrs. Delia Mulcahy; occupied by M. J. Farrell. Value of building and contents, $7,000. Insurance on same, $5,000. Damage, $54.50. This fire was in the chamber on first floor. Supposed to have been caused by snap matches on floor.

June 30. 6.19 p.m. Box 26, Everett School House, Salem Street. Owned and occupied by City of Medford. Value of building and contents, $7,000. Insurance on same, $7,000. Damage, $150. This fire was in covered bulkhead at rear of building. Fire in waste barrel.

July 2. Box 45, 12.35 p.m. House 111, Arlington Street. Owned and occupied by G. B. Bryer. Value of building and contents, $3,500. Insurance on same, $3,200. Damage, $2. Oil stove in kitchen caught fire; damage to stove only.

July 2. Still, 1.25 p.m. Grass fire off Main Street. Casey Brick Yard. Combination B. answered.

July 3. Still, 8.00 p.m. Bonfire near Boston & Maine R. R. bridge, off Harvard Street. Combination B. answered.

July 3. Still, 10.45 p.m. Pile of railroad sleepers and burlap bags on High Street, near Weir bridge. City Automobile with men, answered.

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July 3. Box 53, 11.45 p.m. Barn corner of High and Mystic Streets. Owned by E. Parsons. Not occupied. Value of building, $450. Insurance on same, $450. Loss, $150. Cause of fire unknown.

July 4. Still, 12.20 a.m. Bonfire on Hasting's Park. City Automobile with men, answered.

July 4. Still, 1.51 a.m. Same fire as above; boys were rebuilding pile of barrels for a fire. City Automobile with men. answered,

July 4. Still, 9.45 p.m. Partially burned barn at 307 Arlington Street. No damage. Set by boys. Combination A. answered.

July 8. Still, 10.03 p.m. Fire on dump off College Avenue, City of Somerville, burning rubbish. No damage. Chief and D. Ellis, answered.

July 10. Still, 12.35 p.m. House 23 Gleason Street. Owned and occupied by P. C. Sturdivant. Value of building and contents, $6,000. Insurance on same, $4,500. No damage. Chimney fire.

July 11. Still, 2.11 p.m. Grass fire on Boston & Maine R. R. near Washington Street. Hose 4. answered.

July 13. Still, 2.41 p.m. Grass fire off Gypsy Lane. Combination B. answered.

July 15. Still, 3.37 p.m. Electric car owned by Boston & Northern R. R., opposite Golden Avenue. No damage.

July 15. Still, 10.07 p.m. Hay stack at Wellington, near boulevard. Hose 4. answered.

July 16. Box 34, 11.30 p.m. Stable rear of 314 Riverside Avenue. Owned and occupied by H. Center. Value of building and contents, $3,500. Insurance on same, $3,000. Damage, $2,500. Cause of fire unknown.

July 17. Still, 4.00 a.m. Hose 4. Called to above fire.

July 19. Box 421, 3.28 a.m. Block 340 to 348, Boston Avenue. Owned by E. R. Lyle; occupied by John Gregery and others. Value of building and contents, $14,500. Insurance on same, $12,000. Damage $1350. Fire caused by overheated kettle of fat in bake shop.

July 19. Box 421, 3.35 a.m. Pulled for the above fire.

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July 20. Still, 5.20 p.m. House 79 Governors Avenue. Owned and occupied by George Groudis. Value of building and contents, $7,000. Insurance on same, $5,500. Damage, $52.50. Fire in attic in trunk full of wall paper. Cause unknown.

July 20. Still. Drug store, Main Street. Owned and occupied by D. N. Howard. Value of building and contents, $7,500. Insurance on same, $7,000. Damage, $1. Ceiling scorched by gas jet.

July 20. Still, 9.05 p.m. Fire in coal pocket at Locke Coal Yard, Riverside Avenue. Value of building and contents, $7,800. Insurance on same, $7,800. Damage, $5. Caused by spark from engine, in a pile of sawdust.

July 20. Box 33, 9.10 p.m. Pulled for the above fire.

July 28. Box 39, 5.10 p.m. Electric light wire down in street, spitting fire. Removed wire.

August 1. Box 47, 3.05 p.m. Block corner of High Street and Harvard Avenue. Owned by S. S. Holton; occupied by F. H. Lovering and others. Value of building and contents, $8,800. Insurance on same, $7,800. Damage, $290. Fire in room at back of Mr. Lovering's store, caused by clerk dropping lighted match in oil on floor.

August 2. Box 42, 5.06 p.m. House 44 and 46 Cotting Street. Owned by Mrs. E. Cotting; occupied by Mrs. Cotting and G. Wilson. Value of building and contents, $6,800. Insurance on same, $4,000. Damage, $615. Fire caused by explosion of oil stove.

August 5. Box 28, 11.08 p.m. Store 291 Salem Street. Building owned by W. H. Neilson; occupied by J. Barrett and others. Value of building and contents, $13,600. Insurance on same, $11,600. Damage, $307. Fire in cellar; cause unknown.

August 12. Box 72, 11.22 a.m. Grand Stand, Combination Park. Owned by G. A. Graves; occupied by Fellsway Driving Club. Value of building and contents $7,250. Insurance on same, $7,000. Total loss. Cause of fire unknown.

August 12. Box 73, 11.28 a.m. Pulled for the above fire.

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August 14. Still, 3.22 p.m. Elm tree on Hicks Avenue. Combination B. answered.

August 15. Still, 11.02 p.m. Fire in pile of rubbish at rear of Walker's blacksmith shop, Main street. Hose 1. answered.

August 17. Box 36, 3.20 p.m. False Alarm.

August 17. Box 61, 7.05 p.m. House 4, Western Avenue. Owned by Mrs. Walter Bates; occupied by F. McCory. Value of building and contents, $3,100. Insurance on same, $1,500. Damage, $40. Set in three places by some person unknown.

August 20. Box 26, 7.23 p.m. House 137 Salem Street. Owned and occupied by C. S. Curtin. Value of building and contents, $4,000. Insurance on same, $2,800. Damage, $30. Fire in room on first floor in a dressing case; caused by careless use of matches.

August 23. Box 421, 10-31 p.m. Block corner of Boston Avenue and Winthrop Street. Owned by A. C. Green; occupied by G. Picolu. Value of building and contents, $9,300. Insurance on same, $8,000. Damage, $570.50. Cause of fire unknown.

August 24. Box 23, 9.08 p.m. Stable at rear of estate of W. D. Hall, Water Street. Value of building and contents, $3,900. Insurance on same, $3,200. Damage, $1,000. Fire set by small boy.

August 25. Still, 4.11 a.m. Called to above fire; slight fire re-kindled. Hose 1. and H. & L. Truck, answered.

Sept. 13. Box 35, 5.06 p.m. House 28 Linden Street. Owned by F. E. Chandler; occupied by W. N. Raisrick. Value of building and contents, $4,300. Insurance on same, $2,800. Damage, $8. Rug on floor, caused by man lighting pipe, dropping match, setting rug on fire.

Sept. 14. Box 42, 9.09 a.m. House 204 Winthrop Street. Owned and occupied by T. J. Argiel. Value of building and contents, $5,500. Insurance on same, $5,000. Damage, $250. Caused by children playing with matches; set bed clothes on fire.

Sept. 25. Still, 7.03 p.m. House 66 Chestnut Street. Owned by J. R. Combee; occupied by N. H. Henelson and

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T. R. Jordon. Value of building and contents, $6,500. Insurance on same, $5,800. Damage, $60. Fire in the attic caused by lightning.

Sept. 26. Still, 7.23 p.m. Small shed covering gasoline tank. Owned by the New England Brick Co. Hose 4. answered; slight damage.

Sept. 28. 10 blows on fire bells, call for help from Malden. Engine 1. and Hose 4. answered.

October 2. Box 73, 7.15 p.m. False Alarm.

October 4. Box 18, 6.02 p.m. Building back of post office, Riverside Avenue. Owned by E. T. Bigelow; occupied by Yerxa & Yerxa, as store house for groceries. Value of building and contents, $3,000. Insurance on same, $2,300. Damage, $1,199. Fire caused by careless use of matches.

October 4. Still, 8.45 p.m. Called to above fire. Hose 1. answered.

October 10. Box 29, 5.25 p.m. False Alarm.

October 14. Still, 7.45 p.m. Universalist Church, Forest Street. Slight fire in corner board on Forest Street, end of building, Hose 1. answered.

October 25, Still, 5.55 p.m. House 59 George Street. Owned and occupied by M. E. Munroe. Value of building and contents, $5,300. Insurance on same, $4,000. Damage, $27. Fire caused by curtain coming in contact with gas jet.

October 25. Box 65, 5.57 p.m. Pulled for the above fire, while Hose 1. was on the way.

October 31. Box 28, 6.15 p.m. Wooden Block, Salem Street, near Park. Owned by E. Roberton; occupied by F. T. Dolan and others. Value of building and contents, $6,500. Insurance on same, $5,000. Damage, $2. Fire caused by candle in jack 'o lantern in window; set curtain on fire.

October 31. Box 32, 8.39 p.m. False Alarm.

October 31. Box 18, 8.55 p.m. Pulled by boys for crossed wires on overhead trolley on Boston Elevated R. R., near the depot Main Street.

November 4. Box 18, 7.20 a.m. Fire in the Opera House Block, High Street. Owned by E. Doherty. Value of

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building and contents, $53,900. Insurance on same, $30,300. Damage, $14,450. Fire caused by wooden box used as a spittoon, the same being filled with sawdust. A stub of a cigarette or cigar was thrown into this box while still burning; it burned a hole through the bottom of the box and through the floor, then the fire spread into partitions to the roof.

November 7. Still, 4.10 p.m. Pile of slab wood at Coal Yard of J. N. Cowin & Co., Riverside Avenue. Hose 1. and Hook & Ladder 1. answered. Slight damage.

November 12. Still, 6.02 p.m. Electric light wire in contact with tree corner of Brookings Street and Greenleaf Avenue. Hose 1. answered.

November 12. Still, 8.20 p.m. Stump of dead tree, Cedar Cliff Terrace. Combination C. answered.

November 14. Box 31, 7.23 a.m. Car house corner of Salem Street and the boulevard. Owned and occupied by the Boston Elevated R. R. Co. Value of building and contents, $70,000. Blanket policy covers all property. Loss, $100. Fire caused by lighted pipe left in coat pocket by one of the pit men.

November 14. Box 31, 7.28 a.m. Second alarm for the above fire. Also called help from Malden.

November 15. Box 63, 6.36 p.m. False Alarm.

November 16. Still, 11.45 a.m. Grass fire Medford Hillside, off Boston Avenue. Combination A. answered.

November 19. Box 71, 7.35 p.m. Electric car owned by the Boston Elevated R. R., Main Street, near Dexter. No damage.

November 20. Box 26, 10.18 a.m. House 27 Washington Street. Owned by Mrs. G. E. Farney; occupied by P. Pinkham. Value of building and contents, $3,500. Insurance on same, $3,500. No damage. Smoking rags in closet. Caused by using same to wipe off hot stove. Spontaneous combustion.

November 22. Still, 8.20 a.m. House 3 Hasting's Lane. Owned by Mrs. A. A. Sise; occupied by A. B. Powers. Value of building and contents, $5,300. Insurance on same, $5,000. No damage. Damper in open fire place closed; filled house with smoke.

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November 24. Box 73, 4.42 p.m. False Alarm.

November 25. Still, 3.02 p.m. House 112 Otis Street. Owned and occupied by E. A. Record. Value of building and contents, $7,500. Insurance on same, $5,500. Damage, $133. Fire in chamber on second floor, caused by Mr. Record, when lighting his cigar, threw match into spittoon as he thought, but set bed clothes on fire.

November 27. Still, 8.31 a.m. House 11 Ashland Street. Owned and occupied by R. S. Doorley. Value of building and contents, $4,500. Insurance on same, $4,200. Damage, $12. Caused by blazing up of oil lamp used for heating room. Only damage was to lamp, which was thrown out of the window by young man, who was passing by.

November 28. 5.00 p.m. False Alarm. Box 63.

November 28. Box 24, 7.25 p.m. This fire was a small tool house between two new houses on Gravelly Creek Road, being built by C. J. Huntly. Tool house and one of the new houses scorched. Value of building and contents, $5,200. Insurance on same, $3,200. Damage, $90. Supposed cause of fire, pipe left in coat pocket of one of the workmen.

November 28. Still, 8.15 p.m. House 64 Salem . Street. Owned and occupied by Mrs. Anna A. Hawks. Value of building and contents, $5,000. Insurance on same, $4,200. Damage, $12. Fire in chamber on second floor, caused by curtain blowing against gas jet.

December 4. Still, 6.01 p.m. Grass fire at foot of Belleview Avenue, Boston Avenue. Combination A. answered.

December 5. Still, 5.26 p.m. Grass fire at the clay pits near Tufts College R. R. Station. Combination B. answered.

December 6. Box 57, 1.12 a.m. Automobile on Grandview Avenue. Owned by J. H. O'Callahan. Value $2,500. Quite badly damaged.

December 6. Box 63, 4.57 p.m. False Alarm.

December 7. Still, 5.01 p.m. Grass fire corner of Spring and Hooker Streets. Hose 4. answered.

December 12. Still. House 11 Abbott Street. Owned by Mrs. J. S. Studivant, occupied by C. D. Gray. Value of building and contents, $3,500. Insurance on same, $3,000. Damage, $2. Slight damage, a couple of celluloid combs on

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marble top table in chamber on second floor. Caused by match used by Mrs. Gray while dressing her hair.

December 16. Box 28, 9.24 p.m. House 158 Park Street. Owned and occupied by W. H. Griffith. Value of building and contents, $4,500. Insurance on same, $4,500. Damage, $1. No claim made for loss. Fire caused by curtain blowing against lamp.

December 21. Box 72, 8.26 p.m. House 68 Medford Street. Owned and occupied by Mrs. J. A. Conoley. Value of building and contents $4,600. Insurance on same, $4,500. Damage. $290. Fire caused by Mrs. Conoley going into closet full of papers and clothes with a lighted match.

December 22. Still, 3.33 p.m. House 149 Forest Street. Owned by Mrs. M. W. Durry; occupied by J. W. Cass. Value of building and contents? . Insurance on same ? . Damage ? . Fire caused by overheated furnace.

December 22. Box 24, 3.35 p.m. Pulled for the above fire.

December 27. Box 31, 8.18 a.m. Ash barrel filled with hot ashes and rubbish in back yard, 9 Myrtle Street.

December 27. Box 26, 7.02 p.m. False Alarm.

December 27. Still, 7.40 p.m. Grass fire Harvard Street. Combination B. answered.

December 28. Still, 11.53 a.m. House 9 Lapham Street. Owned by J. Carroll; occupied by J. Carroll and A. Eno. Value of building and contents, $8,200. Insurance on same, $6,800. No damage. Chimney fire.

December 28. Still, 11.55 p.m. Grass fire rear of 437 Broadway. Combination B. answered.

December 29. Box 61, 1.15 p.m. House extreme end of Thomas Court. Owned by Frank Chandler; occupied by M. Galvin. Value of building and contents, $2,500. Insurance on same, $2,000. No damage. Chimney fire.

December 29. Box 45, 5.28 p.m. House 105 Jerome Street. Owned and occupied by R. R. Ingraham. No fire. Drafts on furnace wide open, boy did not know how to shut them.

During the past year we have had 114 bell alarms and 110 still alarms, making a total of 224 alarms for the year.

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MEMBERS OF THE FIRE DEPARTMENT.

December 31, 1911.

Board of Engineers.

Charles E. Bacon, Chief
Jude C. Clark, First Assistant Engineer.
Frank O. Waterman, Second Assistant Engineer.

Hook and Ladder Company No 1.

Frank Hathaway, Captain.
Charles H. Hartshorn, Lieutenant.
F. Russell Waterman, Clerk.
Frank B. Blodgett, Treasurer.
James H. Chase, Ladderman.
William F. Bartlett, Ladderman.
George L. Newhall, Ladderman.
E. Dana Haskell, Ladderman
Philip G. Desmond, Ladderman.
Howard N. Woodbridge, Ladderman.
William F. Lovejoy, Substitute.
Edgar H. Babcock, Driver.
(One vacancy in this Company).

Hose Company No 1.

George A. Hooker, Captain.
Judson A. Hanson, Clerk and Driver.
John F. Chick, Hoseman.
Richard W. Clark, Hoseman.
Robert J. Lindsey, Hoseman.
Patrick A. Waldron, Hoseman.
Edward E. Spillane, Hoseman.
Joseph T. Spillane, Hoseman.
Joseph W. McKeon, Hoseman.
James A. Barry, Hoseman.
Joshua W. Brewster, Substitute.

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Hose Company No. 4.

William R. Ordway, Captain.
George C. Harris, Clerk.
Warren W. Foye, Hoseman.
Richard Archabald, Hoseman.
Eugene G. Plant, Substitute.
Page Ordway, Substitute.
Hugh D. Fraser, Driver.
(Four vacancies in this Company).

Combination A. Company.

Frank A. Walker, Captain.
J. Curtis Wiswell, Clerk and Lieutenant.
John L. Tutton, Hoseman.
Otto J. C. Neilson, Hoseman.
Frederick J. Meagher, Hoseman.
William S. Chamberlin, Hoseman.
Carl S. Hutchinson, Substitute.
Thomas Hutchinson, Substitute.
Herbert E. Bradish, Driver.

Combination B. Company.

Thomas A. Qualey, Captain.
John Smith, Clerk.
Edward E. Papkee, Hoseman.
Bernard C. Papkee, Hoseman.
Vaughn S. Littlefield, Substitute.
Gustave A. Papkee, Substitute.
W. Burton Harvey, Driver.
(Two vacancies in this Company).

Combination C. Company.

William S. Richards, Captain.
Benjamin F. Samson, Lieutenant.
Oliver C. Nicole, Clerk.
Charles S. Burrell, Treasurer.
Merrell M. Gray, Hoseman.
J. Biscoe Simpson, Hoseman.

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John F. O'Neil, Hoseman.
Warren Burrell, Substitute.
Samuel C. Wallace, Substitute.
Frederick E. Samson, Driver.

Engine Company No. 1.

George H. Gillard, Engineman.
Arthur W. Morse, Assistant Engineman and Driver.
Peter F. Lenox, Stoker.

Spare Driver.

John H. Qualey, Spare Driver.

Recommendations.

Salaries of Engineers and Firemen	$21,570 00
Ordinary Expenses	5,800 00
Decorating of Firemens' Graves	50 00
Rental of Telephones and Tolls	175 00
Two more Permanent Men	2,004 00
One Thousand Feet of 2 and ½ Inch Hose	750 00
Painting Hook and Ladder Truck	75 00

In closing my report I wish to thank your Honor, the Mayor, the Officers and Members of the Fire Department, the Police, the Superintendent of Water Department, and all others who have in any way rendered assistance to the Department, especially those persons who have furnished hot coffee and lunch at fires.

Respectfully submitted,

C. E. BACON,

Chief of Medford Fire Department.

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Report of the City Messenger

Medford, Mass., January 15, 1912.

Hon. Charles S. Taylor, Mayor of the City of Medford:

Dear Sir,—I herewith respectfully submit the annual report of this Department, for the year ending December 31, 1911.

During the past year the work performed has been the care and supervision of cleaning the City Hall and City Hall Annex, attendance at the meetings of the Board of Aldermen and its Committees, meetings of the Board of Registrars, and the performance of the various duties as City Messenger.

Meetings of the Board of Aldermen.

The number of meetings of the Board of Aldermen and its Committees, attended by the City Messenger the past year, is as follows:

Number of meetings of the Board of Aldermen, regular	22
Number of adjourned meetings of the Board of Aldermen	3
Number of special meetings of the Board of Aldermen	12
Committee Meetings	99
Meetings of the Registrars of Voters	11
Primaries and Elections	3
	150

City Property.

The following property is in charge of the City Messenger: Four National flags, two large and two small. Medford Town and City reports. Documents of the old town of Medford. Copies of the Acts and Resolves of the Legislature of Massachusetts.

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Appropriations.

Amount Appropriated	$3,800 00
Proceeds from sale of old books and papers	3 24
	$3,803 24
Amount expended	$3,793 19
Balance unexpended	$10 05

The following is a detailed statement of the amount expended for the year ending December 31, 1911.

City Hall.

Electric lights and lamps	$236 27
Gas light	2 29
Watchman	850 50
Fuel	301 00
Incidentals	320 26
Water tax	9 25
Ice	7 30
	$1,726 80

City Hall Annex.

Electric lights	$48 36
Gas light	3 18
Fuel	139 04
Janitor	795 00
Rent	1,000 00
Water tax	11 28
Ice	9 55
Incidentals	59 91
	$2,066 32

I desire to call your attention to the need of a new furnace or hot water heater for City Hall. I find it impossible to heat the building in zero weather, particularly the Aldermanic Chamber, which derives its heat from the back furnace. This furnace was installed nineteen years ago.

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I therefore respectfully recommend that a new furnace or hot water heater be installed before another winter.

In closing, I wish to thank His Honor, the Mayor, the members of the Board of Aldermen, and also the Department officials, for their courteous treatment the past year.

Respectfully submitted,

MICHAEL A. HERNAN,
City Messenger.

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Report of the City Physician

Hon. Charles S. Taylor, Mayor of the City of Medford:

Dear Sir,—As required by Section 31 of the Revised Charter, I submit to you the following report of the City Physician for the year ending December 31,1911.

By George Henry Packard, M.D., City Physician, from January 1, 1911 to March 6, 1911.

Number of calls made	85
Number of office visits	52
Total	137

	Calls.	Office.
Men	35	13
Women	27	32
Children	8	7
Almshouse	15	
Total	85	52

By City Physician Richard A. Drake, from March 6, 1911 to December 31, 1911.

Number of calls	578
Number of office calls	24
Total	602
Males 20; Number of calls	295
Females 26; Number of calls	201
Children 15; Number of calls	65
Board of Health	17
Police Station	24
Total	602

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Almshouse.

Number of patients	12
Number of treatments	106
Number of visits	62

Total Work by the City Physician from January 1, 1911 to December 31, 1911, Inclusive.

Number of calls	663
Number of office calls	76
Total	739

In addition to these, I have examined two members of the fire department at the request of the Chief Engineer.

I have found the inmates in the City Farm well cared for and conditions there very satisfactory.

I wish to thank Dr. George Henry Packard for his courtesy to me since I have been in office.

Respectfully submitted,

RICHARD A. DRAKE, M.D.,
City Physician.

January 8, 1912.

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Report of the City Clerk

Medford, January 1, 1912.

Hon. Charles S. Taylor, Mayor:

Dear Sir,—I hereby submit the annual report of this Department for the year ending December 31, 1911.

The following statement shows the receipts of this office for the year 1911.

Auctioneer's licenses		$16 00
Carriage licenses		43 00
Common Victualler's licenses		46 00
Druggists' liquor licenses		15 00
Inn holders' licenses		2 00
Intelligence office licenses		6 00
Junk Collectors' licenses		150 00
Marriage licenses		235 00
Mortgages and papers recorded		130 50
Pool and Bowling Alley licenses		40 00
Private Detective licenses		20 00
Sale of Ice Cream, etc., on Sundays		10 00
Transportation of liquor		10 00
Dog licenses		2,097 00
Balance on hand January 1, 1912		13 00
		$2,833 50
Paid City Collector	$690 00	
Paid County Treasurer	2,097 00	
		$2,787 00
Balance on hand		$46 50

The general routine work of the Department has been carried on as usual during the year. The omitting of the primary which it has been the custom to hold for nominations for the election of municipal officials reduced the expenses of elections materially, but as it is not sure that this practice will be followed, I do not feel that the appropriation to be made

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for election expenses should be reduced on this account until the same becomes a surety.

I would respectfully recommend that the following appropriations be made:

General expenses	$1,250 00
Election expenses	2,500 00
Canvass of births and returns of births and deaths	375 00
Printing and advertising Ordinances	75 00

Very Respectfully,

ALLSTON P. JOYCE,
City Clerk.

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Report of the Trustees of the Public Library

Medford, January 1, 1912.

Hon. Charles S. Taylor, Mayor of the City of Medford:

Sir,—The Trustees of the Public Library herewith present their annual report:

It is the first time in more than forty years that the name of General Samuel C. Lawrence has not been signed as chairman of the Library Board. We can add nothing to the universal testimony to the probity of his character and the great service he has rendered to the Nation, the State, and the City. But speaking of him in the narrower field in which we knew him, as an associate in the direction and management of the Library, his colleagues wish to bear witness to his uniform courtesy and kindness, his deep and abiding interest in the library, and the value of his wide knowledge of affairs in its conduct. The beginning of the larger place the library fills in our city, was due to him when as its first mayor the library received an appropriation almost three times as large as it had ever known. All the improvements that have been made in the library building, he had a large share in bringing about. The new brick stack-room was due to his interest and untiring persistence in showing the city its necessity, and to his persuasion in securing the required appropriation for it, and where this fell short, personally supplying the money to make the building complete for its uses.

It was entirely characteristic of him, that among the last things he did before fatal illness befel him, was to purchase the estate adjoining the library, and to restore it to perfect condition to be used in connection with the library. We have every reason to remember this generous friend both for what he has done and for what he himself was.

We take great pleasure in saying that Mrs. Samuel C. Lawrence has now placed this building at the disposal of the

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trustees as a Childrens' Library, and generously fitted it for its purpose. The beautiful interior will be an unconscious influence upon the children who gather there, and the fine picture of General Lawrence, it is hoped, will impress upon them and their elders, an enduring memory of him.

Mrs. Lawrence has made a further gift to the library of more than fifteen hundred books, many of them too costly for us to purchase, and all of them of value, as well as more than two thousand numbers of magazines which will add to our collection.

Her generosity in tendering the use of this building has postponed for a considerable time the pressing necessity of more space for the storing and shelving of books. At a comparatively slight expense, the large room vacated by the children's library, can be fitted to receive other books for which provision would soon have been inevitable.

The trustees have heretofore called attention to the fact that the library is the only department of the city which has been conducted on almost the same appropriation that it had from the beginning of our municipality. Perhaps it is not generally known by what magic this has been accomplished. We may now explain the miracle. When repairs must frequently be made on the old part of our building, and have pressed too hard upon the sum set aside for books, General Lawrence supplied the loss and kept the quota of books up to their average in more favorable years. This was a pretty common diversion with him. Also in the care of the fine library grounds, he showed the same benevolence, and not less than five hundred dollars a year for many years, have been freely expended by him, a liberality known only to his colleagues. This amount will now have to be supplied from the city grant. Besides, about the same amount of five hundred dollars will be required in addition for the expenses of the new building, such as janitor's service, heat and light. Further, provision should be made for the growth of the library that it may meet the requirements of a rapidly increasing population. This must now be taken into account and met as liberally as possible. And that it may be done, the trustees have no choice but to ask for a larger appropriation than has previously been made for the library.

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In her report to the trustees, the librarian calls attention to a method in use in other libraries to supply the demand on the part of the public for a larger number of books of fiction than we can furnish. She advises the adoption of the duplicate pay collection. The trustees think favorably of the recommendation, and it is likely we may try the method as an experiment, and if successful, it will be continued.

We refer to her report for further particulars concerning this, as well as for other matters of interest.

To the Trustees of the Medford Public Library:

Gentlemen,—My second annual report, the fifty-sixth report of the library, is herewith submitted.

That the year just closed has not been one of idleness, an increased circulation of nearly 6,000 over that of last year will testify. In 1901, with a library numbering only 23,245 volumes, and a circulation of 77,546, we felt that each day was very full. In 1911, with 40,432 volumes to keep in condition, and a circulation of 111,843, and with the same number of attendants, physical endurance seems almost to have reached its limit. The librarian has compared the statistics of other libraries with those of our own, and in no case is so much work accomplished with so small a corps of assistants. It is understood, of course, that without violation of the laws of the State, the library cannot command the service of each member of the staff for the entire time that the library is open. The hours of half of the force must overlap those of the other half, so that all may be on duty at the busiest hours. It is also easily seen that the busiest hours are not the hours when much work can be accomplished other than waiting on patrons. Repairing, cataloguing, classifying and all other essential work of preparing books for circulation must be set aside for this purpose. It does not therefore seem unreasonable, in the near prospect of the extra care and responsibility of another building, to ask your consideration of these matters.

Mr. Frank P. Hill in addressing the citizens of New Bedford, at the dedication of their new Public Library, a few months

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ago, makes the following statement which is well worth notice: "In the support of our schools each tax payer must share the expense whether or no he can benefit directly from the school system. In the support of the library, each person contributing can receive a direct return. Although the amount contributed by each individual may be insignificant, in the aggregate it makes possible the purchase, care and preservation of a collection of books larger than any one would find it practicable or possible to accumulate for his own use. For this small expenditure there is placed at your disposal the entire resources of the library, including books, pictures, and the services of the librarian and his assistants."

In this connection I would like to suggest that many of our patrons do not realize that we are glad to have the telephone freely used, either for the renewal of books, or for requests for information. It takes no longer to answer a question or to give information over the telephone, than to perform the same service with the inquirer present.

Complaints have been made by those who would be glad to make use of the library, that they cannot get the books they want, and that they are forced to patronize the circulating libraries. These complaints come largely from the persistent fiction reader; for while spending what seems almost more than a fair proportion of our appropriation on that class of books, every effort is made to see that in other classes exactly the book wanted for help or study is supplied as promptly as possible. The time seems to have come when with so steadily increasing a population, it is impossible for the library to supply the amount of fiction demanded, nor is it advisable to warehouse so many books of only transient interest. For this reason, I would again urge the adoption of the duplicate pay collection of popular books. One library in our vicinity which has recently introduced this system, reports that one book in a very short time pays for two. While this may not be true in all cases, it is quite probable that each would pay for itself, and at the same time give better satisfaction and solve in a large measure the storage problem, which for us is a very serious one.

The regular work of the library has been carried on in spite

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of the heavy increase in circulation with its attendant extra work of preparation, repairing, cataloguing, etc. Numerous bulletins have been posted in both the adult and the children's department. Twelve exhibits have been received from the Library Art Club. The books displayed throughout the month of December as suggestions from which people might be aided in their selection of Christmas gifts, received more than usual attention; many availing themselves of this opportunity to examine them "far from the madding crowd."

In January, the library was visited by a class of forty from the Simmons College Library School, and again in July by a class of the Summer School from the same institution.

We have had one apprentice this year. Miss Cora B. Eames of Burlington, Vermont, came to us in May, and has proved herself an intelligent and faithful student, whom we shall be sorry to lose, feeling sure however, that she will be an acquisition for any library.

The work of the Reference Room has been ably conducted, but as usual no statistics can be kept of the assistance given in this room, as the attendant here, when not engaged in looking up references, is obliged to do clerical work. In December, the entire library, with the exception of the Children's Room, was thoroughly and satisfactorily cleaned by the Sanitary Vacuum Cleaning Company.

Gifts.

This has been a year of generous donations, the most noteworthy contributions being from Mrs. Samuel C. Lawrence. Besides fitting up the building to be known as the Samuel Crocker Lawrence Annex, she has donated 1,536 books and 2,187 numbers of periodicals. Many of these books are too valuable for the library to have ever looked forward to purchasing. Having been received too late in December to make it possible to place more than a small proportion of them on the shelves this year, the larger number will perforce be counted in next year's stock-taking. One book of especial interest to Medford people is one that must have been used in Mrs. Susanna Rowson's Academy, when it was located here in 1800; it is a careful, painstaking copy of the rules of arithmetic

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as practised in that school. The title page reads "Practical arithmetic, comprising all the rules for transacting business, executed at Mrs. Rowson's Academy, by Caroline Gore, Boston. Rhoda Mitchell, assistant and teacher of writing, arithmetic and grammar."

Through Miss Katherine H. Stone, the library has received 291 Italian photographs, which through stress of work, have not yet been properly labelled. It is hoped that all will soon be identified, however, and ready for use.

Mr. Allston P. Joyce has given us the bill of lading and letter of gift of the Indian curios from Mr. James G. Swan, once of Medford, and afterwards commissioner to Washington territory. The Medford *Mercury* has co-operated generously with the library as in other years by printing lists of books, notices of exhibits or other matters to which public attention was invited. A list of donors is appended to this report.

Registration.

The new registration for 1911 is 1,286. (Women 406, Men 250, Girls 314, Boys 316). This is the first time for many years that more boys than girls have registered. The total number of persons taking books for home use at the close of the year is 5,613, and we are still daily drawing from the discarded registration of September, 1910. No statistics can be kept of those who come to the library only for reading and study in the building.

Children's Room.

The great event in the Children's Department is its immediate prospect of being housed in a building by itself, through the generosity of Mrs. Samuel C. Lawrence, who on October 13, signified her desire to put in condition for the use of the library, the house formerly known as the "Bean house." This building in which, at the time of his death, General Lawrence was making extensive alterations, with the intention of placing it at the disposal of the library trustees, has been converted by Mrs. Lawrence into a most attractive children's library. The coming year will see the children happily installed in a sunny, cheerful room on the ground floor, to which event the children are eagerly looking forward.

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Taking advantage of the offer of the *Boston Herald* to frame its Sunday pictures for fifteen cents each, the plan of circulating these framed pictures was begun. That the pictures appeal to the children and unconsciously teach their lessons of beauty, is proven by the record of circulation, 110 in three months. Starting with one picture only, at the end of one month, by which time nine pictures had been acquired, it was found that these had been given out 32 times, and retained in each case for the full week. After the price of framing was increased to 20 cents, the pictures which had been before excellent both in matter of selection and in reproduction, seemed all at once to be poorer, and we now frame only such as come up to the original standard.

In closing this report the librarian wishes to express her feeling of personal loss in the death of the Chairman of the Board of Trustees, General Samuel C. Lawrence, under whose leadership she felt honored to serve for even a brief stewardship.

Respectfully submitted,

A. L. SARGENT,
Librarian.

Additions by purchase according to classes are as follows:

General Works	30
Philosophy and Religion	38
Biography	27
History	49
Description and Travel	68
Social Sciences	78
Science	29
Useful Arts	58
Fine Arts	65
Language and Literature	113
Fiction	298
Juvenile Books (unclassified)	682
Total	1,535

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Number of books in the library Jan. 1, 1911	38,368
Additions by purchase	1,535
Additions by gift	583
Additions from the Reading Room	128
	40,614
Number of books discarded	182
Number of books in the library Dec. 31, 1911	40,432

PERIODICALS IN THE READING ROOM.

Advocate of Peace. Donated.
Aero.
American Academy of Political and Social Science.
American City.
American Economic Association.
American Forestry.
American Homes and Gardens.
American Magazine.
Among the Deep Sea Fishers.
Art Journal.
Athenaeum.
Atlantic Monthly.
Auk. Donated.
Bird Lore.
Blackwood.
Bookman.
Boston Cooking School Magazine.
Boston Evening Transcript. Wednesday and Saturday.
Boston Herald.
Bulletin of Bibliography.
Century.
Child Lore.
Children's Magazine.
City Affairs. Donated.
Congressional Record. Donated.
Contemporary Review.
Country Life.
Craftsman.
Cumulative Book Index.
Current Events.
Current Literature.
Das Kraenzchen.
Delineator.
Der Gute Kamerad.
Education.
Educational Review.
Electrician and Mechanic.
Everyland.
Fortnightly Review.
Forum.
Garden Magazine.
Good Housekeeping.
Harper's Bazaar.
Harper's Magazine.
Harper's Weekly.
Harvard Theological Review.
Hibbert Journal.
House and Garden.

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House Beautiful.
International Journal of Ethics.
International Studio.
Je sais tout.
Johns Hopkins University Studies.
Journal of Education.
Ladies' Home Journal.
Library Journal.
Library Work.
Life.
Literary Digest.
Living Age.
London Illustrated News.
McClure's Magazine.
Manual Training Magazine.
Medford Historical Register.
Medford Mercury.
Modenwelt.
Modern Priscilla.
Mon Journal.
Nation.
National Geographic Magazine.
New England Historical and Genealogical Register.
New England Magazine.
New York Times, Saturday Review of Books.
Nineteenth Century.
North American Review.
Open Court.
Our Dumb Animals. Donated.
Outing.
Outlook.
Pictorial Review.
Playground.
Poet Lore.
Political Science Quarterly.
Political Science Review.
Popular Mechanics.
Popular Science Monthly.
Protectionist. Donated.
Public Libraries.
Publisher's Weekly.
Quarterly Journal of Economics.
Reader's Guide to Periodical Literature.
Review of Reviews.
Rhodora. Donated.
St. Nicholas.
School Arts Book.
Scientific American.
Scribner's Magazine.
Speaker.
Suburban Life. Donated.
Survey.
System.
Twentieth Century Magazine.
Westminster Review.
Woman's Home Companion.
World's Work.
Young Idea.
Youth's Companion.

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GIFTS TO THE LIBRARY.

	Books.	Pamphlets.	Periodicals. vols.	Periodicals. nos.
Adams, I. William, Cold Spring-on-Hudson, N. Y.	1			
Alabastine Co., Grand Rapids, Mich.				11
Allen & Son, E. G., London, England				1
American Association for International Conciliation, New York City		12		12
American Association for Labor Legislation, New York City		5		
*a*American Book Co., New York City				
American Fern Society, Port Richmond, N. Y.				1
Ames, Mrs. J. B., Cambridge, Mass.		2		6
Amherst College, Amherst, Mass.		1		
Atlantic Monthly, Boston Mass.		1		
Baker & Co., Walter, Dorchester, Mass.	1			
Balbach, Mrs. Julia A., Benardsville, N. J.	2			
Bartlett, Edward H. H., Arlington, Mass.		10		
Benton, J. H., Boston, Mass.		1		
Bigelow, Miss, Boston, Mass.	5			22
Boise High School, Boise, Idaho				1
Bookwalter, John W., New York City	1			
Boston Association for the Prevention of Tuberculosis, Boston, Mass.		1		
Bowdoin College, Brunswick, Maine		3		
Bradford Durfee Textile School, Fall River, Mass.		1		
Bridge, Mrs. Edmund, West Medford				4
Brigham, Miss Lucy M., Boston, Mass.	2			
Brown Alumni Magazine Co., Providence, R. I.				9
*b*Buss, Charles B., Medford				
Caledonia Publishing Co., New York City				1

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	Books	Pamphlets.	Periodicals. vols.	Periodicals. nos.
Cambridge University Press, New York City		1		
Carnegie Hero Fund Commission, Pittsburgh, Penn		4		
Carnegie Technical School, Pittsburgh, Penn		1		
Carr, Royal S., Winchester, Mass	1			
Chandler, Mrs. N. F., Medford			2	9
Chautauqua Institution, Chautauqua, N. Y.				2
Chicago, City of	1			
Christ Church, Poughkeepsie, N. Y.		1		
Coming Century Co., St. Louis, Mo.				9
Commercial Club Publicity Bureau, Salt Lake City, Utah				5
Cook, Thomas & Son, New York City				10
Crampton, Dr. C. W., New York City	1			
Das Weltall Publishing Co., Berlin, Germany				1
Dial Publishing Co., Chicago, Ill.				2
Dixon Crucible Co., Jersey City, N. J.	1			
Doran, G. H. & Co., New York City		1		
Drew Theological School, Madison, N. J.		1		
Drexel Institute Library School, Philadelphia, Penn		1		
Editorial Review Publishing Co., New York City				1
Engineer School, Washington, D. C.				1
Equitable Life Assurance Co., New York City				1
Evans, Dr. L. B., Medford	16			
Exploitation and Publicity, San Francisco, Cal.		1		
Farnsworth, Edward C., Portland, Me.	1			
Federated Boys' Clubs, Boston, Mass.		2		
Fewtrell, Mrs. William T., Medford				56
Fogg Art Museum, Cambridge, Mass.		3		
Foley, J. Leo., Medford				2

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	Books.	Pamphlets.	Periodicals. vols.	Periodicals. nos.
Forest and Stream Publishing Co., New York City				1
Forsyth Dental Infirmary, Boston, Mass.		1		
Fruit World Publishing Co., Los Angles Cal.			1	
Fuller, Mrs. Sarah E., Medford	1			
Gill, Mrs. Ellen, Medford	1			
Gleason, Miss Annie, West Medford		1		
Good Government Association, Boston, Mass.				3
Green, Dr. Charles K., Boston, Mass.	1	14		6
Hall, Miss Mary A., Medford	3			
Hallowell, Miss Charlotte P., West Medford	7			
Hallowell, Mrs. Richard P., West Medford	2			
Hamilton, Mrs. F. H., Medford	18			
Harvard University, Cambridge, Mass.	1			
Hervey, Mr. Frank, Medford	10			
*c*Hervey, Mrs. Julia A., Medford				
Hildreth, Dr. J. L., Cambridge, Mass.		1		
Home for Working Women, Boston, Mass.		1		
Home Market Club, Boston, Mass.			1	
Hudson-Fulton Celebration Committee New York City	2			
Industrial Press, New York City				1
Interstate Commerce Commission, Washington, D. C.	1			
*d*Joyce, Allston P., Medford	1			
Keramic Studio Publishing Co., Syracuse, N. Y.				1
King's Chapel Book Room, Boston, Mass.				21
Lake Mohonk Conference, Lake Mohonk, N. Y.		2		
Lawrence, Gen. S. C., Medford	215	23		

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	Books.	Pamphlets.	Periodicals. vols.	Periodicals. nos.
Lawrence, Mrs. S. C., Medford	1564			2187
Lewis, John B., Boston, Mass.	1			
Life Insurance, President's Association of, New York City		5		
Lodge, Henry C., Washington, D. C.	2			
Lowell Textile School, Lowell, Mass.		2		
Maryland Peace Society, Baltimore, Md.		1		
Mason, George M., Medford				1
Mass. Agricultural College, Amherst, Mass.		1		
Mass. Agricultural Experiment Station, Amherst, Mass.		25		
Mass. Bureau of Statistics, Boston, Mass.	1	13		7
Mass. Civil Service Reform League, Boston, Mass.		4		
Mass. District Police, Chief of, Boston, Mass.		1		
Mass. Free Public Library Commission, Boston, Mass.		1		
Mass. Institute of Technology, Boston, Mass.		2		
Mass. Nautical Training School, Boston, Mass.		3		
Mass. Secretary of the Commonwealth, Boston, Mass.	29			
Mass. Society for Prevention of Cruelty to Animals, Boston, Mass.			1	
Mass. State Board of Health, Boston, Mass.				11
Mead, Mrs. F. S., Brookline, Mass.				15
Metropolitan Water and Sewerage Board, Boston, Mass.	1			
Milwaukee Bureau of Economy and Efficiency, Milwaukee, Wis.		5		
Minneapolis Board of Park Commissioners, Minneapolis, Minn.		1		

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	Books.	Pamphlets.	Periodicals. vols.	Periodicals. nos.
Minnesota Tax Commission, St. Paul, Minn.		1		
Missouri, Kansas & Topeka R. R., St. Louis, Mo.		1		
Mitchell, E. F., Boston, Mass.	1			
Mount Holyoke College, South Hadley, Mass.		1		
Museum of Fine Arts, Boston, Mass.		7		
Museum of Fine Arts, School of, Boston, Mass.		2		
Musical Courier Co., Chicago, Ill.				7
National Arts Publishing Co., Boston, Mass.				1
National Business League of America, Chicago, Ill.		1		
National Irrigation Congress, Chicago, Ill.	2			
National Manufacturers' Association, New York City.				10
New Bedford Textile School, New Bedford, Mass.		1		
New York School of Philanthropy, New York City		1		
eNew York Sun, New York City.				
Newell, Mr. E. C., Springfield, Mass.	1			
Norfolk Industrial Commission, Norfolk, Va.		1		
North American Civic League for Immigrants, Boston, Mass.		3		
Oriental Esoteric Center, Washington, D. C.				45
Outlook Publishing Co., Pinehurst, N. C.				21
Pacific Monthly Publishing Co., Portland, Oregon.				1
Page, Mrs. Henrietta, Cambridge, Mass.			1	
Pennsylvania Prison Society, Philadelphia, Penn.		1		

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	Books.	Pamphlets.	Periodicals. vols.	Periodicals. nos.
Pillsbury, Albert E., Boston, Mass.	2			
Popular Electricity Publishing Co., Chicago, Ill.				1
Porter, Robert P., New York City	1			
Porto Rico, Government of, San Juan, Porto Rico	1			
Post, Louis F., ed., Chicago, Ill.				2
Practical Electricity Publishing Co., Chicago, Ill.				1
Princeton University, Princeton, N. J.	1			
Protestant Magazine Co., Washington, D. C.				4
Public Reservations, Trustees of, Boston, Mass.		1		
Radcliffe College, Cambridge, Mass.		3		
Raymond, G. L., Washington, D. C.	1			
Reed, T. B., Memorial Association, Portland, Maine	1			
Registry Department, City of Boston, Mass.	1			
Remington Typewriter Co., New York City				3
Review and Herald Publication Association, Washington, D. C.				1
Review and Record Co., Boston, Mass.				2
Riverside Press, Cambridge, Mass.		1		
Sargent, G. L., and A. L., Medford.	27	1		1
Sargent, Mrs. R. C., West Medford.	6			
Savage, P. G., Medford.	30			
Schroeder, H. H., St. Louis, Mo.				11
Scoutcraft Publishing Co., Kalamazoo, Mich.				1
Short Ballot Organization, New York City				4
Simmons College, Boston, Mass.		1		
Smith, Dr. R. Kendrick, Boston, Masss.	1			
Smith College, Northampton, Mass.		1		
Soldiers' Home at Chelsea, Chelsea, Mass.		2		

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	Books.	Pamphlets.	Periodicals. vols.	Periodicals. nos.
Stechert & Co., G. E., New York City				1
Stickney, Frederick W., West Newbury, Mass	1			
ƒStone, Miss K. H., West Medford	6			31
Suburban Press Pubs, Harrisburg, Penn			1	
Swift, Miss Caroline E., West Medford	7			1
Teachers' College, New York City		1		
Testimony Publishing Co., Chicago, Ill	2			
Thompson, Slason, Chicago, Ill	1	1		
Ticonderoga Pulp & Paper Co., New York City		1		
Tipton, D. M., Wichita, Kansas	1			
Tufts College, Tufts College, Mass		3		29
United States Brewer's Association, New York City	1			
U. S. Bureau of Education, Washington, D. C	1	1		
U. S. Civil Service Commission, Washington, D. C	1			
U. S. Commissioner of Education, Washington, D. C	1			
U. S. Congress, Washington, D. C				206
U. S. Department of Agricultural, Washington, D. C		570		12
U. S. Department of Commerce and Labor, Washington, D. C	9	22		269
U. S. Department of the Interior, Washington, D. C		1		
U. S. Department of State, Washington, D. C		2		
U. S. House of Representatives, Washington, D. C		2		
U. S. National Museum, Washington, D. C	3	1		
U. S. Navy Department, Washington, D. C	1			
U. S. Senate, Washington, D. C		25		

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	Books.	Pamphlets.	Periodicals. vols.	Periodicals. nos.
U. S. Smithsonian Institution, Washington, D. C.	9	23		
U. S. War Department, Washington, D. C.	6	5		
University of Nashville, Nashville, Tenn.		1		
University of Notre Dame, Notre Dame, Ind.		1		
University of Vermont, Burlington, Vt		1		
University of Washington, Seattle, Washington.		1		
University of Wisconsin, Madison, Wis		1		
Van Hook, Weller, Chicago, Ill.	1			
Viles, Mrs. F. M., Medford.				1
Wait, William C., Medford.	1			
Western Reserve University Library School, Cleveland, Ohio		1		
Williams, The Misses, Philadelphia, Penn.	2			
Williams, W. R., New York City				1
Wisconsin State Board of Agriculture, Madison, Wis.	1	5		
Woodbury, C. J. H., Boston, Mass.		1		
Workingmen's Compensation Service, York City		2		
World Peace Foundation, Boston, Mass.		1		
Wright, Mrs. Walter C., Medford	1			
Yale University, New Haven, Conn.		3		
Young Folks' Educational League, Boston, Mass.	9			

a 1 Calendar.
b 7 Calendars.
c 32 Pictures.
d 2 Letters.
e 1 Newspaper.
f 291 Pictures. 142 Book-marks.

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The following libraries have sent annual reports, bulletins, or finding lists.

Memorial Hall Library, Andover, Mass.; Robbins Library, Arlington, Mass.; Carnegie Library, Atlanta, Ga.; Enoch Pratt Free Library, Baltimore, Md.; Beverly Public Library, Beverly, Mass.; Parmly Billings Memorial Library, Billings, Mont.; Boston Athenaeum, Boston, Mass.; Boston Public Library, Boston, Mass.; State Library, Boston, Mass.; Public Library, Brockton, Mass.; Public Library, Brookline, Mass.; Children's Museum Library, Brooklyn, N. Y.; Pratt Institute Free Library, Brooklyn, N. Y.; Public Library, Brooklyn, N. Y.; Public Library, Canton, Mass.; Public Library, Chelsea, Mass.; Public Library, Concord, Mass.; Peabody Institute Library, Danvers, Mass.; Public Library, Dover, N. H.; Public Library, East Orange, N. J.; Parlin Memorial Library, Everett, Mass.; Rosenberg Library, Galveston, Texas; Public Library, Grand Rapids, Mich.; Conn. State Library, Hartford, Conn.; Public Library, Hartford, Conn.; Public Library, Haverhill, Mass.; Public Library, Helena, Montana; Public Library, Hyde Park, Mass.; Public Library, Leominster, Mass.; Cary Memorial Library, Lexington, Mass.; Free Public Library, Louisville, Ky.; City Library, Lowell, Mass.; City Library, Manchester, N. H.; Public Library, Milton, Mass.; Morse Institute Library, Natick, Mass.; Public Library, New Bedford, Mass.; New Britain Institute, New Britain, Conn.; Public Library, New Haven, Conn.; Queens Borough Public Library, New York City; Free Public Library, Newark, N. J.; Free Library, Newton, Mass.; Free Library, Oakland, Cal.; Public Library, Omaha, Nebraska; Public Library, Owatonna, Minn.; Public Library, Passaic, N. J.; Deborah Cook Sayles Public Library, Pawtucket, R. I.; Apprentices' Library Co.; Philadelphia, Penn.; Carnegie Library, Pittsburgh, Penn.; Berkshire Athenaeum, Pittsfield, Mass.; Library Association, Portland, Oregon; Free Library, Rutland, Mass.; St. Louis Mercantile Association, St. Louis Mo.; Public Library, Salem, Mass.; Public Library, Scranton, Penn.; Public Library, Somerville, Mass.; Warder Public Library, Springfield, Ohio; Public Library, Syracuse, N. Y.; Beebe Town Library, Wakefield, Mass.; Public Library, Wal-

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tham, Mass.; Public Library of the District of Columbia, Washington, D. C.; United States Library of Congress, Washington, D. C.; Town Library, Westborough, Mass.; Osterhout Free Library, Wilkes-Barre, Penn.; Wilmington Institute Free Library, Wilmington, Del.; Public Library, Winchester, Mass.. Public Library, Winthrop, Mass.; Public Library, Woburn, Mass.; Free Public Library, Worcester, Mass.; Library Association, Yarmouth, Mass.

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MONTHLY CIRCULATION, 1911.

		Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total	A per cent.	j per cent.
Periodicals	*A	343	296	314	340	143	263	275	149	263	259	300	247	3,192	5	.....
	†j	42	52	62	66	31	33	29	32	37	47	53	40	524	.....	1
Philosophy and	A	122	121	136	94	82	58	75	67	79	69	66	106	1,075	2	.....
Religion	j	150	61	115	108	71	118	15	11	44	71	156	84	1,004	.....	2
Biography	A	121	118	108	86	56	93	91	97	129	154	135	129	1,317	2	.....
	j	227	160	269	158	109	166	17	18	103	149	341	145	1,862	.....	4
Fiction	A	3,398	3,613	4,075	3,549	2,998	3,279	3,355	3,456	3,610	3,838	3,897	3,977	43,045	72	.....
	j	2,280	1,456	2,560	1,730	1,174	1,739	576	614	985	1,659	2,854	1,550	19,177	.....	37
History	A	80	98	98	82	69	62	53	58	77	93	92	99	961	2	.....
	j	343	208	401	275	175	306	24	23	117	214	455	213	2,754	.....	5
Geography and	A	190	151	237	204	119	102	96	110	115	162	170	204	1,860	3	.....
Travels	j	554	267	553	329	199	322	46	60	158	268	608	301	3,665	.....	7
Social Sciences	A	159	159	162	117	109	95	99	104	153	157	155	139	1,608	3	.....
	j	36	29	58	26	20	22	2	2	20	33	54	30	332	.....	1
Natural Sciences	A	86	80	89	92	73	84	73	71	101	74	74	58	955	2	.....
	j	481	265	577	538	413	698	53	45	239	415	876	335	4,935	.....	9
Fine and Useful	A	255	242	284	257	182	160	143	150	195	192	223	190	2,473	4	.....
Arts	j	364	225	418	321	208	245	98	127	179	241	423	303	3,152	.....	6
Literature	A	335	298	352	274	251	212	226	166	222	307	310	349	3,302	5	.....
	j	2,159	1,124	2,033	1,308	887	1,260	354	404	634	1,141	2,195	1,151	14,650	.....	28
Total	A	5,089	5,176	5,855	5,095	4,082	4,408	4,486	4,428	4,944	5,305	5,422	5,498	59,788	100	100
	j	6,636	3,847	7,046	4,859	3,287	4,909	1,214	1,336	2,516	4,238	8,015	4,152	52,055	.....	.....
Total		11,725	9,023	12,901	9,954	7,369	9,317	5,700	5,764	7,460	9,543	13,437	9,650	111,843	.....	.....

*A, Adult. †j, Juvenile.

Library Accounts, Statement, 1911.

Salaries	$4,350 00
Books	1,670 30
Janitor	768 00
Rebinding	795 51
Miscellaneous bills of small amounts	225 86
Fuel	299 80
Periodicals	256 15
Improvements and repairs	238 02
Lighting	222 13
Express	126 29
Card Catalogue, Registration, etc	263 17
Book Covers, Telephone, etc	117 66
Supplies	113 73
	$9,446 62

Appropriation for the Public Library	$7,300 00
Money received from the Dog Tax, 1910	2,021 76
Income from Osgood, Tufts and Munroe Funds	110 68
Money received from the School Dept., for lost books	14 18
	$9,446 62

Agencies.

Appropriation for Agencies	$366 00
Amount expended for agencies	366 00
The Librarian has received the following sums:	
Cash unexpended, December, 1, 1910	$14 12
Cash received for fines	243 33
Cash received for books lost or injured	11 84
Cash received for old paper	1 50
Total	$270 79

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The expenditures have been as follows:

Books, $61.86; express, $16.83; extra help, $29.73; gas and water bills, $4.26; magazines, $20.66; messenger, $18.45; pictures, $14.70; postage, $14.32; repairs, $20.97; supplies, $36.11; sundries, $23.95	$261 84
Balance unexpended	$8 95

Medford, January 1, 1912.

Hon. Charles S. Taylor, Mayor of Medford:

Dear Sir:—The Trustees of the Public Library respectfully submit the following estimates of the expense of the Public Library for the coming fiscal year:

Salaries of Librarian and Assistants		$4,425 00
Books		2,150 00
Janitor		968 00
Repairs and Improvements on Building.		600 00
Fuel		375 00
Periodicals		280 00
Rebinding Books and Periodicals		850 00
Lighting		290 00
Expressage		130 00
Card Catalogue, Registration, etc		270 00
Book Covers, Telephone, etc		150 00
Supplies		150 00
Miscellaneous bills of small accounts		300 00
General expenses		$10,938 00
Agent at West Medford and Expressage.	$96 00	
Agent at South Medford and Expressage.	100 00	
Agent at Medford Hillside and Expressage	100 00	

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Agent at Glenwood and Expressage....	$35 00	
Agent at Wellington and Expressage...	35 00	
Amount of Branch Stations.....		$366 00
		$11,304 00
Deduct Dog Tax and Income of Funds..		2,150 00
		$9,154 00

We recommend an appropriation of $9,154 to meet the expenses of the Public Library the ensuing year.

Respectfully,

HENRY C. DeLONG,
FRED H. NICKERSON,
ERNEST B. MOORE,
Trustees of the Public Library.

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Report of the Board of Health

Medford, Mass., December 31, 1911.

To His Honor, Charles S. Taylor, Mayor.

Sir:—The Board of Health herewith submits its annual report for the year ending December 31, 1911:

On Friday, March 31, 1911, the Board organized by the choice of George W. Mills, M.D., as Chairman, the other members being Frederick R. Ilsley, M.D., and J. Walter Bean, M.D.

To carry on the work of this Department the following appointments were made: Clerk, Alvin R. Reed; Health Inspector, Leslie E. Morrison; Plumbing Inspector, Leslie E. Morrison; Meat and Provision Inspector, Francis W. Lumbert; Milk and Vinegar Inspector, Winslow Joyce. Appended are their reports.

During the year twelve regular and twelve special meetings were held. The past year, the Board have had the ready cooperation of the City Physician, the School Physician, the Overseers of the Poor, and the Inspector of Animals.

Thirteen applications for licenses to keep infants, were investigated and approved. Fifty-nine licenses were issued to peddlers.

Two hundred and fifty-seven permits were issued for attendance at school, and for the keeping of cows, hens, etc.

In one hundred and twenty cases of contagious diseases, the dwellings were fumigated. Two hundred and thirty-six houses were quarantined and the School Physician, Superintendent of Schools, Public Library, State Inspector of Health for District Number Six, State Board of Health, and the Surgeon General, Public Health and Marine Hospital Service, Washington, D. C., were duly notified.

At the beginning of the school year in September, 1911 there were enrolled 4,311 pupils.

During the year 1911 there were reported to this Board:—

40	cases of	Chicken Pox	with	0	deaths
64	"	" Diphtheria	"	6	"
5	"	" Infantile Paralysis	"	1	"
139	"	" Measles	"	1	"

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2	"	" Mumps.....	with	0	deaths.
6	"	" Opthalmia Neonatorum	"	0	"
33	"	" Scarlet Fever.....	"	0	"
39	"	" Tuberculosis.....	"	23	"
9	"	" Typhoid Fever.....	"	0	"
74	"	" Whooping Cough.....	"	0	"

Total number of diseases reported in 1911 at the office of the Board of Health, as required by law, 411.

Total number of diseases reported in 1910, 475.

The Board still experiences considerable difficulty in prevaling on householders to report the diseases lately placed in the list of reportable diseases by the State Board of Health, especially Ophthalmia Neonatorum, Chicken Pox and Whooping Cough.

Section 49 of Chapter 7, Revised Laws, states that "a householder who knows that a person in his family or house is sick of an infectious or contagious disease, declared by the State Board of Health to be dangerous to the public health, shall forthwith give notice thereof to the Board of Health of the city in which he dwells."

The estimated population of the City of Medford for the year 1911, was 25,000. The number of deaths for the year 1911, was 283, an increase of 18 as compared with the year 1910.

The death rate per thousand for 1911 is 11.08. Number of burial permits issued in 1911, 283.

For the convenience of physicians Specimen Outfits for tuberculosis, diphtheria and typhoid fever; also State diphtheria antitoxin are constantly on hand at the following stations:

Samuel Highly's Pharmacy, West Medford.

Daniel N. Howard's Pharmacy, Medford Square.

J. W. Enright's Pharmacy, Washington, cor. Dudley St.

During the summer months the mosquitoes from our salt marshes were greatly in evidence and many complaints reached the office of the Board, with the request that steps be taken toward abating this nuisance. The Boards of Health of Revere, Everett, Malden and Medford, have been in communication with each other regarding methods of ridding the marshes of the pest. Ditching the marshes and then draining off the

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still water in which the mosquito breeds, is deemed by all to be the most direct method.

Revere has already accomplished the ditching of 300 acres under the Sections 75 to 84, Chapter 75, Public Statutes.

For the thorough and systematic inspection of houses and surroundings, the supervision of fumigation, the examination of patients before release from quarantine, the examination and supervision of cases of diseases dangerous to the public health before and during conveyance to the Isolation Hospitals; the immediate temporary care of persons suffering from mental derangement (Acts of 1911, Chapter 394), the immediate medical supervision of cases of Opthalmia Neonatorum (Acts of 1910, Chapter 269, Section 49), the Board is urgently in need of a medical inspector, who should be a physician on a salary.

The equipment of the office of the Milk Inspector has been added to by the purchase of chemicals and laboratory apparatus.

The Small Pox Hospital on Elm Street, being greatly in need of repairs and in order to preserve it from ruin, the interior was fumigated, whitewashed and repaired; the underpinning and chimneys put in order; clapboards renailed or replaced; the roof patched, gutters renewed where needed; the windows repaired and protected. The building now needs painting outside to protect it from the weather. The grounds around the hospital have been cleared of bushes and weeds, lessening the danger from fire.

For the expenses of this Board for the ensuing year, we recommend that the sum of $6,500.00 be appropriated as follows:

For salary of members of the Board of Health....	$150 00
For salary of Inspector of Plumbing.....	1,000 00
For salary of Inspector of Meats and Provisions...	100 00
For salary of Inspector of Milk and Vinegar.....	500 00
For salary of Inspector of Health.....	250 00
For General expense of Health Department.....	2,500 00
	$4,500 00
For account of Contagious Diseases.....	$2,000 00
	$6,500 00

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DEATHS, 1911	January	February	March	April	May	June	July	August	September	October	November	December	Total
Accidental burns	2												2
" poisoning		1										1	2
" gas poisoning				1									1
Alcoholism, acute				1									1
Angina pectoris					1		1						2
Appendicitis								1	1			1	3
Arteriosclerosis	5	4	5	1	1	5	1	2	4		1	3	32
Atelectasis									3				3
Bronchitis		1						1			1		3
Broncho-pneumonia					2	1		2			1		6
Cancer	4	1	3	4	1	1		3	1	3	1	1	23
Cephalhaematoma			1										1
Cerebral hemorrhage	1	2		6	1		2	3	1	5	2		23
Cholecystitis							2		1				3
Cholera infantum											1		1
Cirrhosis of liver			1										1
Convulsions					1							1	2
Cystitis											1		1
Dementia, senile							1						1
Diabetes Mellitus						1					1	1	3
Diarrhoea							1						1
Diphtheria				1			1		1	1	1	1	6
Dysentery						1							1
Embolism, cerebral				1						1	1		3
Erysipelas									1				1
Gangrene							1						1
Gastro-enteritis							1		1				2
Gastric hemorrhage						1							1
Grippe			1										1
Haemophilia										1			1
Heart disease	6	3	6	5	2	4	4	1	4		2	2	39
Heat prostration							8						8
Infantile paralysis		1											1
Locomotor ataxia	1												1
Malnutrition				1				1					2
Measles				1									1
Meningitis		2				1			1				4
Meningoencephlocele										1			1
Nephritis	2	1	3	4				1	2	3		1	17
Neurasthenia									1				1
Non-closure of foramen ovale									1				1
Oedema, brain and lungs									1				1
Osteo sarcoma						1			1				2
Paralysis, general			1			1							2
Peritonitis			1			1							2
Premature birth	1		1	2		1	1		1	1	1		9
Pneumonia, lobar	7	3	3	1	4					1	3	3	25
Septicaemia		1											1
Status Lymphaticus											1		1
Throat, paralysis of					1								1
Thrombosis								1					1
Traumatism by delivery												1	1
Tuberculosis	3	1	2		2	6	2	1		1	3	2	23
	32	21	28	29	16	25	26	17	26	18	21	18	277
Stillborn		1		1				1	1		1	1	6
	32	22	28	30	16	25	26	18	27	18	22	19	283

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DEATHS — 1911	MALES													FEMALES												
	January	February	March	April	May	June	July	August	September	October	November	December	Total	January	February	March	April	May	June	July	August	September	October	November	December	Total
Under 1 year	1		2	2		1	2		2	1	1	1	13		1		3	2	1	1	3	5	2	1	2	21
1 to 2 years		1				1							2			1			1						1	3
2 " 3 "				1		1							2				1			1						2
3 " 4 "		2											2													.....
4 " 5 "										1			1	1												1
5 " 10 "		1										1	2											1		1
10 " 15 "									1				1												1	1
15 " 20 "				2				1			1		4			1		1	1	1				1		5
20 " 30 "	1		1										2	2	1	2		1		1					2	9
30 " 40 "	1			1	2	1	2	1	1	1	1	1	12						1	1	1		1	1		5
40 " 50 "	2	1		1			2	1	2	1		1	11	5	1		3	1	2		1			1	1	15
50 " 60 "		1	2	1	3	1					1		9	3		2	3		2	1	3	5	3			22
60 " 70 "	2	2		4	1	2	3	1	1	3	5	2	26	4	1	2	1	1	1	1	1	2	1		2	17
70 " 80 "	2	2	4	2			1	2	2	1	1	1	18	2	2	6	1	1	3	5		1		3		24
Over 80 "	3	2	4	4		3	1		2	1	1	1	22	3	3	1		2	3	3	2	2	2	2	1	24
	12	12	13	18	6	10	11	6	11	9	11	8	127	20	9	15	11	10	15	15	11	15	9	10	10	150
Stillborn		1									1		2				1				1	1			1	4
	12	13	13	18	6	10	11	6	11	9	12	8	129	20	9	15	12	10	15	15	12	16	9	10	11	154

REPORT OF INSPECTOR OF PLUMBING.

Medford, Mass., January 1, 1912.

To the Board of Health, Medford, Massachusetts:—

Gentlemen:—As Inspector of Plumbing, I herewith submit the eighteenth annual report for the year ending December 30, 1911.

Number of permits issued for plumbing in new buildings	162
Number of permits issued for plumbing in old buildings	110
Total number of permits issued	272
Permits cancelled	1
Buildings where plumbing was subjected to inspection	315
Buildings where plumbing was subjected to water test	200
Buildings where test was impracticable or unnecessary	76
Plumbing of previous years completed this year	57
New buildings connected with sewer	130
Old buildings connected with sewers	48
Buildings connected with cesspool	6
Number of inspections during the year	1004
Plumbing to receive test when ready	17
Plumbing to receive further inspection	42

Respectfully submitted,

LESLIE E. MORRISON,

Inspector of Plumbing.

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REPORT OF THE INSPECTOR OF HEALTH.

Medford, Mass., January 1, 1912.

To the Board of Health, Medford, Mass:—

Gentlemen:—As Health Inspector, I herewith submit the annual report for the year ending December 30, 1911.

Initial inspections pertaining to Hens	47
" " " " Cows	9
" " " " Pigs	3
" " " " Horses	4
" " " " Garbage	9
" " " " Cesspools and Vaults	12
" " " " Unsanitary premises	29
" " " " Dead animals	13
" " " " Dumps	1
" " " " Manure piles	5
" " " " Infant boarding houses	13
" " " " Schools, depots, etc	16
" " " " Pest house	23
Further Inspections	103
Inspections, no cause found	9
Total Inspections	296
Sewer connections ordered	9

Respectfully submitted,

L. E. MORRISON,
Health Inspector.

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REPORT OF THE INSPECTOR OF MILK AND VINEGAR.

Medford, Mass., January 1, 1912.

To the Board of Health, Medford, Mass:—

Gentlemen:—I have the honor to submit herewith the following report of the Inspector of Milk, for the year ending December 31, 1911.

Total number of licenses granted for the sale of milk....	165
For the sale of oleomargarine.....	3
Whole number of licenses issued.....	168

Amount of fees received and paid City Collector.....$84.50

The supply and quality of milk in this city has fully kept up to the average of preceeding years, which have been excellent, with the exception of the month of July, when the extreme hot weather, the most severe known in forty years, not only caused a severe drouth in pastures, but so debilitated the cattle that they refused to feed and the consequence brought about an universal falling off of the supply of milk and a drop of the same below the legal standard throughout the whole State.

Nothing could be done in the premises but wait for better conditions which in a few weeks resumed the normal state, since which time, the public has been furnished with milk of superior quality.

I have analyzed 180 samples, taken from wagons, stores and milk plants, and found 26 below the standard required by law; but none containing adulterants or added water.

There have been but 9 complaints filed at this office which have been investigated and remedied when foundation existed for the same.

Two dealers have had their licenses revoked on account of unsanitary conditions surrounding their premises.

I have given some little attention to the purity of butter, having analyzed 44 samples, (2 by request of purchasers), and while some were of an inferior quality, none was found to contain an adulteration.

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Thirty-nine samples of vinegar have been taken from dealers and analyzed for percentage of acid and solids. In every case it was found to be far above the 4.50 p.c. acetic acid and 1.08 p.c. of solids required by statute law.

The facilities of the office have been added to by the purchase of much needed chemicals and laboratory apparatus to a small extent, forming a nucleus to build on for the more complete carrying on of the work of the bureau in the future.

Very respectfully,

WINSLOW JOYCE,

Inspector of Milk.

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REPORT OF INSPECTOR OF MEAT AND PROVISIONS.

Medford, Mass., December 31, 1911.

To the Board of Health, Medford, Mass:

Gentlemen:—As Inspector of Meats and Provisions, I herewith submit the annual report for the year ending December 31, 1911.

Inspections made as follows:

Grocery stores	32
Bakery shops	5
Lunch rooms	6
Bakery carts	3
Ice cream rooms	2
Grocery and provision stores	39
Meat carts	1
Butter, cheese and egg stores	2
Fruit stores	6
Fish markets	6
Fish carts	7
	109

Failures to comply with the law: Meats condemned and destroyed:

Jan.	10.	Chicken, tainted	15	lbs.
Jan.	19.		00	lbs.
Jan.	30.		00	lbs.
Feb.	13.		00	lbs.
Feb.	20.	Fowl, tainted	19	lbs.
Feb.	27.	Corned beef, animal heat	42	lbs.
Mar.	2.	Fresh pork, tainted	17	lbs.
Mar.	2.	Veal, sour	9 1-8	lbs.
Mar.	9.	Lamb, sour	19 1-4	lbs.
Mar.	30.	Spare ribs, tainted	11	lbs.
Apr.	4.	Pork blades, sour	3 1-4	lbs.
Apr.	4.	Corned shoulder, sour	14	lbs.
Apr.	20.		00	lbs.

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Apr.	27.	Shoulder of veal, sour	7	lbs.
May	2.	New York hip, animal heat	26	lbs.
May	2.	Corned shoulder, sour	7	lbs.
May	23.	Bruised ham, tainted	21	lbs.
June	7.	Chicken, sour	9 1-8	lbs.
June	20.	Corned beef, sour	16	lbs.
July	6.	Spare ribs, animal heat	6 7-8	lbs.
July	6.	2 forequarter's lamb, sour	14	lbs.
July	19.		00	lbs.
July	26.	Fresh pork, tainted	24	lbs.
Aug.	17.		00	lbs.
Aug.	24.	Fresh shoulder, tainted	6 3-8	lbs.
Sept.	6.	Lamb, sour	2 1-2	lbs.
Sept.	6.	Smoked shoulders, animal heat	19	lbs.
Sept.	21.	Salt fish, bad condition	80	lbs.
Sept.	21.	Smoked and fresh shoulder's, sour	20 1-2	lbs.
Oct.	2.		00	lbs.
Oct.	18.		00	lbs.
Oct.	23.	Beef pluck, tainted	9 3-4	lbs.
Nov.	2.		00	lbs.
Nov.	15.	Fowl, tainted	21	lbs.
Nov.	28.		00	lbs.
Dec.	5.		00	lbs.
		Total	439 3-4	lbs.

Ice chests inspected and found not properly connected with sewer	3
Inspections of stores, markets and bakeries	376
Total inspections	379

Respectfully submitted,

FRANCIS W. LUMBERT,

Inspector of Meats and Provisions.

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Financial Report for Year ending December 31, 1911.

Received by appropriation for salary of members		$150 00
Expended		150 00
Received by appropriation for general fund including Clerk and Health Inspector		$2,000 00
Expended for general expense	$1,994 34	
Balance unexpended	5 66	2,000 00
Received by appropriation for salary of Inspector of Plumbing		$1,000 00
Expended for salary of Inspector of Plumbing		1,000 00
Received by appropriation for salary of Inspector of Meats and Provisions		$100 00
Expended for salary of Inspector of Meats and Provisions		100 00
Received by appropriation for salary of Inspector of Milk and Vinegar		$400 00
Expended for salary of Inspector of Milk and Vinegar		400 00
Account of Contagious Diseases:		
Received by appropriation	$500 00	
Received by appropriation	500 00	
Received from cities and towns and the Commonwealth	233 13	
Received by transfer balance	966 50	$2,199 63
Expended for apc. Contagious Disease...		2,199 63

Respectfully submitted,

GEORGE WESTGATE MILLS, M.D.
FRED R. ILSLEY, M.D.
J. WALTER BEAN, M.D.
Board of Health.

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Report of the Inspector of Buildings

Medford, Mass., January 1, 1912.

To His Honor, Charles S. Taylor, Mayor, Medford, Mass.

Dear Sir:—In compliance with the requirements of the City Charter, I have the honor of submitting the annual report of the Department of the Inspector of Buildings, for the year ending December 31, 1911.

The whole number of applications for building permits has been two hundred and seventy-two (272).

Of the number of permits issued, two hundred and thirty-four (234) were for new buildings of various kinds; thirty-three (33) were for additions, alterations and miscellaneous work; and five (5) were for repairs after fire.

Of the two hundred and thirty-four (234) new buildings, eighty-one (81) were one family dwellings; eighty-two (82) were two family dwellings; and forty-seven (47) were for three family dwellings; two (2) were blocks of two stores and four tenements; and one (1) two stores and two tenements; three (3) were brick blocks of four stores each; three (3) were small buildings with one store each; one (1) brick storehouse; ten (10) were automobile garages, two public and eight private; two (2) were for private stables; two (2) brick school buildings, four rooms each. Of the other thirty-eight (38) thirty-three (33) were additions, alterations and general repairs; five (5) were repairs after fire.

This work has been done at an estimated cost of ten hundred and seventy-seven thousand dollars ($1,077,000).

Permits Issued.

For new buildings	234
Miscellaneous	33
Repairs after fires	5
	272

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Classification of Buildings.

Dwellings of one tenement	81
Dwellings of two tenements	82
Dwellings of three tenements	47
Dwellings of two stores and four tenements	2
Dwellings of two stores and two tenements	1
Three brick blocks with four stores each	3
Three small buildings with one store each	3
One brick storehouse	1
Automobile garages, eight private and two public	10
Private stables	2
Repairs after fires	5
Two brick four-room school buildings	2
Miscellaneous work	33
	272

Permits Issued by Wards.

Ward 1	45
Ward 2	58
Ward 3	24
Ward 4	9
Ward 5	60
Ward 6	60
Ward 7	16
	272

Permits Issued by Months, with Estimated Cost.

January	9	$42,625
February	10	38,550
March	26	82,950
April	22	71,525
May	28	123,200
June	16	66,500
July	14	54,850
August	31	127,000
September	29	122,200

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October	34	121,200
November	36	147,100
December	17	79,300
	272	$1,077,000

As the work has progressed it has been carefully inspected; over fifteen hundred calls having been made and a fair and reasonable compliance with the building ordinances has been required in every case.

For the coming year, I would recommend that the sum of three hundred and fifty dollars ($350.00) be appropriated for the expenses of the Department.

Respectfully submitted,

HARVEY A. HOPKINS,
Inspector of Buildings.

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Report of the Superintendent of Wires and Gas Fitting

Medford, Mass., January 1, 1912.

To His Honor, Charles S. Taylor, Mayor:

Dear Sir:—I have the honor to submit to you the fourth annual report of the Department of Wires and Gas Fittings, Street Lights, Police and Fire Alarm Signals.

Amount appropriated for salary	$1,200 00
Amount appropriated for Electrical Department expenses	300 00
Amount expended	290 84
Balance	$9 16
Amount appropriated for repairs on Police and Fire Alarm Systems	500 00
Amount expended	499 90
Balance	10
Amount appropriated for Street Lighting	22,000 00
Amount expended	21,835 82
Balance	$164 18

Interior Wiring of Buildings.

Number of permits issued	195
Number of inspections	495
Number of defects noted	140
Number of motors from ¼ to 20 h. p.	22
Number of electric heaters	6

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Gas Piping and Fixtures.

Number of permits issued for meters.....380
Number of inspections and tests.....790

I would recommend that a fire alarm box be placed in the following places:

One near corner of Fellsway West and Almont Streets
" " " " Central Avenue and Pinkert Streets
" " " " Cotting and North Streets
" " " " Riverside Ave. and Boston & Maine R. R.
One on the Hose 4, Fire Station, Spring Street.
One on the Central Fire Station, Main and South Streets
One spare box to replace any box which has to be removed for repairs.

I would also recommend that the following sums be appropriated for the

Replacing underground police signal wires.....	$650 00
Maintenance police and fire alarm systems.....	500 00
Electrical Department expenses.....	400 00
Salary of Supt. of Wires and Gas Fittings.....	1,200 00
Street Lighting.....	23,000 00

Respectfully submitted,

HENRY A. GAFFNEY,
Superintendent of Wires and Gas Fittings.

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Report of the Chief of Police

Medford, Mass., January 1, 1912.

Hon. Charles S. Taylor, Mayor of the City of Medford:

Sir:—In compliance with Section 31 of the Revised Charter, I submit my annual report of the work of the Police Department for the year ending December 31, 1911.

Roster of the Police Force, Dec. 31, 1911.

Rank	Name	Age	Date of Appointment.
Chief	Emery D. Holmes,	65	Sept. 14, 1881
Sergeant	William G. Ewell,	57	Apr. 4, 1887
Patrolmen	John B. A. Buffum,	41	May 1, 1897
	Michael Callahan,	43	May 18, 1906
	Thomas F. Connors,	45	May 1, 1897
	Daniel W. Connors,	49	Jan. 1, 1900
	William H. Cowing,	50	Jan. 1, 1900
	Charles H. Ewell,	47	Mar. 17, 1894
	Daniel J. Fitzpatrick,	42	May 7, 1904
	John H. Frazier,	36	Sept. 29, 1908
	William G. Golding,	49	Mar. 17, 1894
	Jeremiah J. Hartnett,	39	May 18, 1906
	Alexander M. Higgins,	42	Oct. 10, 1906
	James H. Kane,	45	Mar. 22, 1892
	George H. Lenox,	49	Apr. 9, 1889
	Frederick J. Lewis,	45	Sept. 1, 1891
	Archie MacLeod,	43	Sept. 29, 1908
	John J. Manning,	45	Apr. 1, 1902
	P. Frank Ward,	43	July 27, 1893
	Charles H. Watson,	54	Apr. 1, 1891
	John F. Welch,	45	Mar. 5, 1904
	Reserve Officers.		
	Fred W. Blake,	38	Apr. 1903
	Francis J. Dwyer,	29	Jan. 1909
	Frederick G. Ewell,	36	Mar. 1906
	Edward H. Larkin,	37	Mar. 1906
	Edward Lucia,	29	Nov. 1910
	Amory Prentiss,	25	June, 1910

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Special Officers.

Name	Age	Date of Appointment.	
Paul G. Bickford,	42	Apr.	1896
Thomas F. McGuine,	47	Dec.	1885

Retired on Pension.

John Grady,	78	Apr.	1870

Arrests.

Total number of arrests	248
Males	231
Females	17
Adults	184
Minors	64
Residents	134
Non-residents	114
Arrested on warrants	86
Arrested without warrants	162

Cause of Arrest.

Assault and battery	23
Assault (felonious)	1
Bigamy	1
Breaking and entering	1
Burning a building	1
Breaking street lights	6
Carrying a revolver	1
Default	3
Disturbing public school	3
Drunkenness	103
Escape	3
Exposure of person	2
False alarm of fire, causing	4
Insane	9
Larceny	40
Larceny (felonious)	1
Non-support	8
Robbery	1

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Runaway boys	4
Safe keeping	2
Stubborn child	1
Trespass	2
Vagrancy	4
Violation City Ordinance	3
Violation of the Lord's Day	4
Violation auto law	5
Violation boiler law	6
Violation game law	1
Violation of Oleomargarine law	1
Violation of probation	3
Wilful injury to property	1

Disposition of Cases.

Bound over to Superior Court	9
Committed to House of Correction	4
Committed to House of Correction for non-payment of fine	7
Committed to Danvers' Insane Hospital	7
Committed to Industrial School	1
Committed to Massachusetts Reformatory	1
Committed to State Farm	5
Committed to Womens' Prison	1
Committed to McLean Insane Hospital	2
Defaulted	18
Discharged	14
Now pending in court	22
Placed on file	51
Placed on probation	6
Paid fines	54
Released	27
Turned over to other officers	16
Turned over to friends	3

Nativity of Prisoners.

Belgium	1
British Provinces	9
Canada	5
England	9

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Finland	1
Ireland	41
Italy	7
Russia	2
Scotland	2
Sweden	1
United States	170

Miscellaneous Work.

Amount of property reported stolen	$1,200 15
Amount of property recovered by police	1,418 99
Accidents reported	41
Buildings found open and secured	250
Cases investigated	1,417
Defective drains reported	10
Defective streets and sidewalks reported	179
Defective water pipes reported	71
Defective wires reported	80
Dead bodies cared for	6
Disturbances suppressed	84
Dogs killed	24
Extra detail of officers	300
Fire alarms responded	104
Fires extinguished without alarm	21
Horses found cast in stables	3
Gas turned off in buildings	17
Lanterns placed on defects in streets	63
Lost children found and cared for	18
Notices posted	242
Number of permits taken up for opening and occupying streets	278
Sick and injured persons assisted	48
Stray teams cared for	12
Street obstructions removed	12
Street lights reported not burning	692
Vacant houses given special attention	106
Water running to waste	1

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Financial.

Amount of fines imposed in court		$810 00
Amount of fines paid in court		545 00
Amount of money taken from prisoners and returned to them		373 86
Amount of appropriation for the Department	$26,721 25	
Amount transferred from unexpended balances	475 00	
		$27,196 25
Expenditures:		
Amount paid salaries	$23,090 57	
Amount paid reserve and special officers	1,994 00	
Amount paid miscellaneous bills	1,948 32	$27,032 89
Balance unexpended		$163 36

Signal System.

The work of the signal system during the past year is as follows:—

Number of on-duty calls recorded	67,458
Number of telephone calls recorded	11,281
Number of wagon runs	196
Number of miles run	569

Conclusion.

To the Mayor, Honorable Charles S. Taylor, my thanks are due for his support in administering the affairs of the Department. To the members of the Board of Aldermen, and the heads of all departments, and members of the Police Department, I wish to extend my thanks.

Respectfully submitted,

EMERY D. HOLMES,
Chief of Police.

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Report of the Inspector of Animals

Medford, Mass., January 1, 1912.

Hon. Charles S. Taylor, Mayor of the City of Medford:

Dear Sir:—As required by Section 31 of the Revised Charter, I herewith submit the following report of the work of the Department for the Inspection of Animals for the year ending December 31, 1911.

Only four cases of glanders in horses were found, which is a marked diminution over last year. These were given over to rendering companies and the stables where they occurred were cleansed and disinfected. Three horses reported as suspicious, were found to be free from the disease.

Four cows were found to be suffering from tuberculosis and were disposed of under supervision of the Cattle Bureau of the State Board of Agriculture.

Mange is now recognized as a contagious disease under the law, and was found to exist on cows in three stables, and on a horse at one other stable; these were quarantined until they had recovered and were then released.

For the first time in several years, rabies was not found, although it is still prevalent in some sections of the State.

Under Section 17, Chapter 90, of the Revised Laws of Massachusetts, I was instructed by the Cattle Bureau, to make an inspection of all neat cattle, sheep and swine found within the limits of Medford, such inspection to be made between February 15 and March 31. I therefore visited 67 stables containing 440 head of cattle, 5 goats and 38 swine; three herds were found to be unclean; 9 stables were found poorly lighted; 13 poorly ventilated, and 7 unclean.

Respectfhlly submitted,

HARRIE W. PEIRCE, M.D.V.,
Inspector of Animals.

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Report of the Street Commissioner

Medford, Mass., January 1, 1912.

Hon. Charles S. Taylor, Mayor of Medford:

Dear Sir:—In response to your request, and in compliance with the City Charter, I submit the following report of the work in the Highway Department, for the fiscal year of 1911.

Collection of Ashes.

The large number of new houses, and the increased distance for carting to the dumps, obliges us to use five teams about six months of the year, and has greatly increased the cost for removal of ashes.

The finding of dumps for the ashes is getting to be a serious problem in the eastern and western sections of the city, which means longer hauls and more teams to do the work.

We have removed 148 double loads and 8,400 single loads of ashes, and 883 loads of papers.

Collection of House Offal.

In this Department there is also a large increase, and soon we shall be obliged to add an extra team the entire year, with the additional team during the six months, when we have two collections a week.

We have collected 1,950 loads of offal.

Paving Gutters.

Not much work has been done on paving this year, but the money appropriated was used in the purchase of paving, so that when the next year's appropriation is made, it can be used for labor, as after buying paving, very little is left for actual work, as the appropriations are so small.

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Bridges.

An appropriation was made this year to re-enforce the Winthrop Street Bridge; but a new bridge is needed here, as the old one will not stand much more patching.

All the other bridges were painted and the necessary repairs made.

Street Watering.

This year oil was used on all of the streets, and very little complaint was received on account of its use, or from the dust.

In fact, where other preparations or water had been used the year before, requests were made to use the oil.

Snow.

This department could be greatly helped by the property owners or tenants complying with the ordinances in regard to the removal of snow.

Sidewalks.

New sidewalks of brick, granolithic, soft coal cinders, and stone dust, have been constructed with and without edge-stone.

Again, I would strongly urge the construction of more permanent sidewalks, especially on the main streets.

A large amount of repairs have been made to tar concrete sidewalks and crossings, and there is still much more to be done.

Sidewalks not of a permanent nature throughout the city are hard to keep in repair. During the past year, 1,551 tons of stone dust, and 149 double loads of cinders, have been used to try and make them passable. There is only one remedy, permanent sidewalks.

Good sidewalks, as well as good streets, are the biggest advertisement for any city.

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GENERAL REPAIRS OF HIGHWAYS.

Catch Basins.

During the past year the catch basins have been cleaned, two and three times, as the occasion required; 217 double loads, and 301 single loads of dirt have been removed, at a cost of $1,046.23.

A number of new drains and catch basins, as the summary will show, were built in different sections; and a step taken in the right direction for the improvement of the drainage system in our city. I hope the work started this year will be continued the coming year.

The old system of drains not having been properly trapped, has become filled with roots, dirt and sticks, and many of them are not of any use now, being so filled that no water passes through them.

I would again recommend that an appropriation be made for the renewal of these drains that are now filled up, and the enlarging of the system in other places, which at present time, have not drains.

Street Cleaning.

The streets were cleaned at different times throughout the year, by the department, and daily by the section men, at a cost of $6,255.86.

We have removed 1,962 double loads and 1,354 single loads of street accumulations.

Patching Streets.

The streets have been repaired throughout the city this year by patching with crushed stone, gravel and tarvia. The tarvia holding the stone in place and preventing it from being scattered about when teams pass over it.

Streets Resurfaced.

A large amount of resurfacing has been done this year, as the summary will show.

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Winthrop Street Crusher.

This has been a busy year at the crusher, and a small amount of repairs will have to be made.

Care of Trees.

Owing to the large number of insects working in the trees, more care is necessary, and a larger amount should be appropriated for this work.

I would recommend that the appropriations for the "Care of Trees," "Elm Leaf Beetle," and "Lepoard Moths," be combined, and known as "Care of Trees, Beetles and Borers."

Gypsy and Brown Tail Moths.

The success of this work was apparent this year, no stripping was found, and very little sign of moths through the summer.

A new pump and engine was placed upon one of the spraying machines this year; this pump and engine, with the one installed last year, enabled us to spray all street trees and most of the woodland. Another pump and engine, with the two we now have, would enable us to spray about all of our woodland, and do away with the old expensive method of painting the trees, stones, etc., with better results and at less expense.

Elm Leaf Beetle.

Remedy:—Spray early in June with arsenate of lead, five pounds to fifty gallons of water. Use kerosene emulsion, strong soap suds, or hot water on masses of pupae around base of infested trees.

Good results were shown this year from the spraying.

Leopard Moths.

The presence of this borer in a branch is manifested by little accumulations of chips, matted excrement, or frass, which indicates the entrance to the burrows. After a time these orifices are closed from within by a silken web, which is doubtless to protect the contained insect from its natural enemies.

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Smaller twigs wilt and break off and often it is only when the severed twigs or branches have been brought down in numbers by high winds, that the work of the insect is first recognized.

Where the larger larvae have worked just under the bark, this splits open the next season, leaving an ugly scar as a reminder of its pernicious operations.

Methods of Control.

The most efficacious remedial measure consists in cutting off and destroying affected branches and in the injection of bisulphid of carbon into the holes or burrows where the larvae are at work.

Prunning and cutting back. Twigs or branches which, by their wilting or by the frass which accumulates at the entrance to their burrows, indicates the presence of this borer, should be carefully searched out, the smaller ones pruned away and the larger ones cut back, the amputated portions being promptly burned.

After wind storms, the affected branches which have fallen to the ground, and those which remain attached to the tree, should be collected and burned. Whenever trees show that they are past recovery, it is best to take them out and promptly destroy them. The word promptly is used advisedly, for this insect, as has been shown previously, frequently migrates from one twig or branch to another.

Bisulphid of Carbon: It is injected into the openings of the burrows, and the openings are afterwards closed with various substances. For this injection a mechanic's long spouted oil-can of small size may be used on large trees or a small glass syringe, such as may be purchased at any drug store for ten cents. These glass syringes are most serviceable, because the exact amount of bisulphid may be seen when drawn into the syringe and because the reagent does not injure the thread packing. Metal syringes may also be used, but it is more difficult to measure the exact amount and the bisulphid acts on the leather packing. Rubber syringes cannot be used because of rapid corrosion. About a teaspoonful of the liquid bisulphid is sufficient for each burrow.

For stopping the holes after injecting the liquid, putty and

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moist clay, advised by some, have not been found so serviceable as grafting wax. Coal tar may be substituted for the latter, or the holes may be closed by inserting a wooden plug and breaking or sawing it off level with the trunk. In any case the stopper should be tight, to exclude water from rains, which might tend to produce decomposition of the surrounding wood or invite other insects, like black ants and secondary borers, of which there are many species and injurious fungi.

Carbon bisulphid should be handled with the usual precaution against fire, which means that the operator should not smoke while at work. Although a deadly poison, it will not injure ordinary trees when applied as described.

Killing with Wires: It is possible to reach and destroy some larvae by forcing a copper or other pliable wire into the channels. This is a well-known borer remedy. It is impossible, however, by this means to kill the insects in all cases, owing to the length or crookedness of the burrows. Bisulphid of carbon should then be used.

Signs.

Several new signs and sign-posts were placed on various streets this year, but there are a large number to be replaced the coming year. All new signs are being painted with the name on each side.

In closing, I wish to thank the Mayor for the interest and cooperation which he has given us in our work this year.

The men have been given steady employment, and as a whole, I think appreciate the treatment and opportunities they have had.

Appended is a general summary and amount of work done under each account, also detailed statement of the receipts and expenditures covering the year's work.

Respectfully submitted,

WM. J. GANNON,
Street Commissioner.

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Permits.

Permits to the number of seven hundred and sixty-one have been issued this year, for the opening and occupying of the streets.

Bay State Street Railway Co.	2
Boston Elevated Railway Company	17
Malden Electric Company	48
Malden & Melrose Gas Light Company	253
Medford Water & Sewer Department	287
New England Tel. & Tel. Co., of Mass.	32
Occupying sidewalks	98
Occupying streets	24
Total	761

Bridges.

Appropriation		$100 00
Miscellaneous credits		3 32
		$103 32
Payroll	$51 84	
Lumber	49 98	
Teaming	1 50	$103 32

Winthrop Street Bridge Repairs.

Appropriation		$300 00
Payroll	$3 32	
Lumber	126 60	
Steps	103 40	$233 32
Balance		$66 68

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Care of Trees.

Appropriation		$400 00
Leopard Moths		175 68
Miscellaneous credits		38 79
		$614 47
Payroll	$441 11	
Tree guards	80 00	
Teaming	76 45	
Lumber	6 55	
Printing	3 50	
Miscellaneous	05	$607 66
Balance		$6 81

Collection of Ashes.

Appropriation		$5,500 00
Transferred from collection of house offal		812 00
Transferred from paving gutters		38 00
Miscellaneous credits		10 00
		$6,360 00
Payroll	$5,062 70	
Teaming	1,114 70	
Repairing teams	100 35	
Covers	30 25	
Ash notices	20 00	
Netting	18 00	
Bumpers	14 00	
		$6,360 00

Collection of House Offal.

Appropriation	$4,000 00
Sale of offal	2,166 67
	$6,166 67

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Payroll	$4,268 34	
Teaming	986 55	
Transferred to ashes	812 00	
Repairing wagons	37 35	
Covers	23 30	
Pails	18 00	
Lumber	11 76	
Offal number plates	9 00	
Miscellaneous	37	
		$6,166 67

General Repairs of Highways.

Balance from 1910		$3,947 20
Appropriation		8,000 00
Commonwealth of Massachusetts		21,433 59
Care and feed of horses of Inspector of Plumbing, and Superintendent of Wires and Gas Fitting		560 75
Miscellaneous credits		7,966 55
		$41,908 09
Payroll	$23,553 65	
Invoices	16,682 39	$40,236 04
Balance		$1,672 05

General Repairs of Highways, Invoices Itemized.

Crusher and Ledge:

Coal	$373 64	
Blasting supplies	272 63	
Repairing buildings	188 50	
Jaws, toggle-plates	141 24	
Oil	111 39	
Water	77 52	
Repairs	40 41	
Packing	27 35	
Waste	11 66	
Belting	8 87	
Miscellaneous	7 00	
Boiler inspection	5 00	
Sealing weights	1 15	
		$1,266 36

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Forage and Veterinary:

Hay	$2,595 13	
Oats	1,888 25	
Veterinary	141 38	
Animal food	67 25	
Straw	57 33	
Shorts	33 00	
Salt	3 00	
Oatmeal	1 25	
		$4,786 59

Miscellaneous Materials:

Tarvia and oils	$3,022 06	
Patching, Warren Bros.	694 40	
Frames and grates	644 00	
Cement and pipe	619 49	
Bricks	432 23	
Crushed stone	298 11	
Lumber	31 77	
Miscellaneous	17 83	
		$5,759 89

Office Expenses:

Insurance	$546 23	
Telephones	97 62	
Permit books	53 00	
Stationery	39 13	
Printing report	18 10	
Office signs	9 00	
Lighting fixtures	6 90	
Carpenter work	6 40	
Repairing safe	5 00	
Photograph work	4 46	
Miscellaneous	2 10	
		$787 94

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Stable Maintenance.

Repairing wagons and harnesses...	$969 18	
New equipments	443 00	
Automobile maintenance	325 72	
Shoeing	202 91	
Coal	142 90	
Lighting	136 70	
Lumber	93 86	
Board of horses	85 50	
Water	80 42	
Rivets and nails	69 90	
Pads	65 80	
Telephone	58 91	
Brooms	47 60	
Lard, turpentine, etc.	21 49	
Renewing service pipe	16 43	
New ventilator	7 89	
Sponges	6 25	
Polish	5 30	
New boots	5 00	
Seed	4 27	
Poultice bowl	3 85	
		$2,792 88

Steam Roller Maintenance.

Coal	$255 26	
Oils	78 00	
Repairs	39 56	
Inspection	10 00	
		$382 82

Tools and Equipments.

New tools	$465 58	
Repairs	130 14	
Rubber boots	8 00	
Miscellaneous	2 80	
		$606 52

Transferred to other accounts...	$299 39

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Patching Streets.

Street	Crushed Stone tons	Gravel double loads
Allston	6.5	
Arlington	26.	
Auburn	14.	
Boston Avenue	50.9	2
Bow	3.	
Bowers	1.7	
Bradshaw	3.4	
Brooks	75.1	12
Canal	3.1	
Central Avenue	13.6	2
Clayton Avenue	3.	
College Avenue	6.6	
Court	3.1	
Cushing	6.8	
Dexter	23.2	
Everett	3.3	
Forest	11.9	
Fulton	17.1	4
Grove	11.	
Hancock Avenue	3.6	
Harvard Avenue	33.8	
Harvard	15.2	2
High	65.4	2
James		18
Jerome	76.65	
Lambert	3.2	
Madison	6.6	
Magoun Avenue	14.3	5
Main	234.5	4
Marion	9.	
Martin	13.8	
Medford	23.	
Middlesex Avenue	50.9	
Myrtle	11.	1
Mystic Avenue	7.	
Newbern Avenue	3.2	

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Street	Crushed Stone tons	Gravel double loads
Orchard	3.9	
Park	3.1	
Powder House Road	3.5	
Prescott	6.35	
Riverside Avenue	297.9	6
Salem	107.6	9
Sherman	6.5	
South	62.1	5
Spring	13.8	3
Summer	21.9	
Swan	3.4	
Tainter	3.5	
Thatcher	7.1	
Usher Road	55.7	3
Walnut	15.2	
Warren	23.2	
Washington	15.5	
West	23.4	?
Winchester	13.8	
Winthrop	87.9	3
Woburn	14.2	2
Wyman	3.3	
Total	1,647.4	85

5,808 gallons of Tarvia.
12 double loads of sand.

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STREETS RESURFACED.

STREET	Area Sq. Yds.	Stone Tons	Gravel Double Loads
Dearborn Street	2,000	134.2	7
Grant Avenue From Hooker Street to Central Ave.	1,980	228.	14
Marshall Street	2,740	134.6	14
Martin Street	1,400	61.9	7
Mason Street	720	45.7	3
Playstead Road, east side From Usher Road to Winthrop St.	7,900	434.8	28
Taylor Street	690	39.3	.....
Winthrop Street, north side From Wyman Street to Lily Pond Lane.	1,900	556.	22
Winthrop Street, south side From Winthrop Square to Lily Pond Lane.	4,300	243.8	46
Totals	23,630	1,878.3	141

There have been 1.3 miles of streets resurfaced.

Digitized by the Medford Historical Society and Museum

STREETS MACADAMIZED WITH TARVIA.

STREET	Area. sq. yds.	Stone. tons,	Tarvia. gallons.	Ballast. tons.
Alfred Street	2,273	337.4	1,800	119
Cedar Road From Governors Avenue to Terrace Road.	723	65.5	1,100	.....
Dexter Street From Edwards Street to Joseph Street.	1,245	212.7	1,200	.....
Dexter Street From Medford Street to Bow Street.	1,340	235.	1,800	.....
Governors Avenue, west side From High Street to Terrace Road.	1,355	183.8	1,800	.....
Grant Avenue From Salem Street to Hooker Street.	2,240	254.	4,200	441
Henry Street From Joseph Street to Meacham Street.	445	95.5	600	.....
Joseph Street	2,565	411.4	6,027	39
South Street From Main Street to Manning Street.	2,850	620.7	8,447	11
Totals	15,036	2,416.0	26,974	610

There have been 1.27 miles of streets macadamized.

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Broken Stone.

	Tons.
Macadamizing streets	3,894.3
Patching	1,647.4
Sidewalks	1,555.95
Marion street dump	559.2
Oil resurfacing	429.
Miscellaneous	136.
Yard	133.
Winthrop street crusher	100.
Total	8,454.85
Ballast	610.

Surface Drains.

Appropriation		$4,300 00
Payroll	$1,944 52	
Pipe	958 40	
Castings	457 50	
Bricks	335 75	
Cement	174 72	
Teaming	149 00	
Water and Sewer Department	98 30	
Edgestones	39 44	
Bills	29 39	
Crushed stone	24 80	
Steam roller	21 00	
Sand	7 25	
		$4,240 07
Balance		$59 93

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SCHEDULE OF SURFACE DRAINS BUILT IN 1911.

STREET	Length feet	Size inches	Catch Basins	Man-holes	Length connections	REMARKS
Alfred Street					28 ft. of 8 in.	Relaid in place of 6 in. connection.
At Albion Street.						
Boston Avenue			1			
At Temple Street.						
Fulton Street					40 ft. of 12 in.	Relaid in place of 8 in. connection.
At Tainter Street.						
Granville Avenue	375.	24				New Drain.
From Winchester Street, easterly,						
Highway Yard	238.5	8				New drain in yard running to Marsh.
James Street to Marsh.	66.5	10	4	1	68.4 ft. of 8 in.	
Magoun Avenue	631.5	12	2	2	28 ft. of 8 in.	New drain.
Opposite No. 91 westerly.						
Martin Street			5		93 ft. of 8 in.	New catch basin connections.
Mason Street westerly.						
Middlesex Avenue					12 ft. of 8 in.	Connection from gutter to field.
Pembroke Street	465.	12			72 ft. of 8 in.	New drain.
Magoun Ave. to Cushing St.						
Riverside Avenue	48.	12				Relaid in place of 8 in. drain.
Near Pleasant Street.						
Salem Street	731.	12	6	4	107.1 ft. of 8 in.	New drain.
Washington Sq. to Fulton St.						
Salem Street	674.	12	12	4	269.1 ft. of 8 in.	New 12 in. drain replacing 8 in.
Vine Street to Park Street.						
South Street			2		23.5 ft. of 8 in.	Catch basin connections.
Near Main Street.						
South Street			2		43 ft. of 8 in.	Catch basin connections to drain and river.
Near Manning Street.						
South Street	52.	12	3		23 ft. of 8 in.	Connections from catch basin to River.
West of Touro Avenue.					70 ft. of 10 in.	
Spring Street	102.	12	1		6 ft. of 8 in.	New 12 in. run replacing 8 in.
At Salem Street.						
West Street	869.	12	10	4	337.5 ft. of 8 in.	New drain.
From opp. No. 44 westerly					117.5 ft. of 12 in.	
	4252.5		48	15		

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Magoun Avenue Drain.

Appropriation		$1,200 00
Payroll	$825 66	
Lumber	143 96	
Catch basins, grates	139 33	
Bricks	51 00	
Teaming	38 51	
		$1,198 46
Balance		$1 54

Sidewalks and Edgestones.

Balance from 1910		$207 02
Appropriations		7,700 00
Sidewalk apportionments		650 87
Sidewalks put in on application		819 93
Assessment, Main street		81 19
Assessment, Alfred street		540 39
Assessment, Clayton avenue		289 88
Assessment, Martin street		559 33
Assessment, Dearborn street		743 98
Assessment, Pearl street		37 50
Assessment, Ashland street		94 33
Assessment, Main street		370 07
Assessment, South street		438 65
Assessment, Fulton street		476 51
Miscellaneous credits		923 33
		$13,932 98

Payroll	$4,011 67
Edgestones	3,691 95
Bricks	1,302 75
Sidewalks apportioned	1,165 70
Crushed stone	885 97
Teaming	663 40
Granolithic	197 90

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Sand	$168 09	
Cement	86 52	
Miscellaneous	63 76	
		$12,237 71
Balance		$1,695 27

Repairing Brick Sidewalks.

7,300 bricks.
15 double loads sand.
2 barrels cement.

Repairing Granolithic Sidewalks.

51 square yards.
18 barrels cement.
2 double loads sand.
11 tons stone.
1 load cinders.

Sidewalks and Edgestones.

161 double loads cinders.
125 double loads sand.

Resurfacing Concrete Sidewalks.

Appropriation		$1,600 00
Contract	$1,599 34	1,599 34
Balance		$ 66

Gravel Sidewalks.

Appropriation		$500 00
Payroll	$252 80	
Stone dust	247 20	
		$500 00

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SIDEWALKS AND EDGESTONES 1911.

STREET.	Straight Curb Lin. Ft.	Circular Curb Lin. Ft.	Corner Blocks.
Alfred Street	1,070.75	.....	1
Ashland Street	188.65	.....	.....
Clayton Avenue	68.	.....	1
College Avenue	193.1	24.5	.....
Dearborn Street	876.8	21.4	.....
Dexter Street	50.	.....	.....
Fulton Street	883.27	118.33	.....
Garfield Avenue	58.	.....	.....
Main Street	624.32	126.9	.....
Martin Street	621.4	122.8	.....
Orchard Street	52.	.....	.....
Pearl Street	165.5	.....	.....
Royal Street	76.	.....	.....
Salem Street	72.09	.....	.....
South Street	956.9	.....	4
Totals	5,956.78	413.93	6

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SIDEWALKS AND EDGESTONES 1911.

STREET.	Granolithic Walk Sq. Yds.	Brick Walk Sq. Yds.	Brick Drive Sq. Yds.	Tar-Walks Resurfaced Sq. Yds.
Ashland	.....	.....	.....	115.57
Central Avenue	.....	.....	.....	101.24
Clayton Avenue	.....	403.9	21.39	
College Avenue	.....	.....	.....	177.58
Dearborn	.....	597.57	37.72	.....
Dexter	.....	44.83	.....	.....
Dudley	.....	.....	.....	102.75
Emerson	.....	.....	.....	270.39
Everett	.....	.....	.....	81.78
Farragut Avenue	.....	.....	.....	70.24
Fifth	.....	.....	.....	271.3
Florence	.....	.....	.....	284.1
Fourth	.....	.....	.....	904.7
Franklin	.....	.....	.....	70.69
Fulton	.....	.....	.....	87.28
Garfield Avenue	.....	.....	.....	91.4
Governors Avenue	94.02	.....	.....	.....
Main	63.17	96.77	8.79	332.73
Martin	.....	389.33	11.88	.....
Middlesex Avenue	.....	.....	.....	633.3
Oakland	.....	.....	.....	215.34
Orchard	27.92	.....	.....	.....
Otis	.....	.....	.....	90.12
Park	.....	.....	.....	234.36
Pearl	.....	72.11	7.29	216.65
Salem	.....	71.85	.....	.....
South	.....	.....	.....	612.68
Spring	.....	.....	.....	370.1
Third	.....	.....	.....	93.3
Tufts	.....	.....	.....	76.8
Wareham	.....	.....	.....	87.91
Webster	.....	.....	.....	143.34
Winter Hill Road	92.	.....	.....	.....
Totals	277.11	1,676.36	87.07	5,735.65

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Sidewalks Graded.

Street	Crushed Stone tons	Gravel double loads
Abbott	6.35	
Adams		3
Albion	17.15	
Alfred	13.75	
Allston	6.75	
Almont	9.85	
Arlington	33.7	
Ashland	6.75	
Bennett	3.65	
Boston Avenue	52.3	12
Bow	3.5	
Bowers	6.45	
Bradshaw	3.45	
Brookings	15.4	8
Brooks	19.2	
Canal	6.5	
Capen	3.2	
Cedar Road		2
Cherry	10.85	
Chestnut	3.6	
Clayton Avenue	6.75	
College Avenue	3.4	
Cotting	3.25	
Court	13.7	
Crescent	6.6	
Cushing	23.5	
Dartmouth	3.45	
Dexter	22.8	
Emerson	3.45	
Emery	10.1	
Everett	9.95	
Edward	10.4	
Fairfield	12.95	
Fountain	17.1	
Fourth	3.2	
Franklin	3.15	

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	Crushed Stone tons	Gravel double loads
Fulton	60.85	12
George	7.1	
Gibson	2.95	
Governors Avenue	3.75	
Grand View Avenue	8.7	
Grant Avenue	42.35	
Greenleaf Avenue	7.4	
Grove	11.8	3
Hancock Avenue	3.4	
Hancock	9.95	2
Harvard Avenue	12.9	
Harvard	13.45	
Henry	16.7	
Hick's Avenue	6.85	
High	70.3	23
Hillsdale Road	3.3	
Holton	3.35	
Irving	6.4	
Jerome	29.55	18
Joseph	24.1	
Lambert		2
Lapham	9.5	
Lawrence	11.6	3
Leyden	6.4	3
Liberty	9.3	
Lincoln	6.7	
Logan Avenue	20.25	25
Madison	7.	
Magoun Avenue	16.35	
Main	90.3	
Marion	20.45	2
Maple Avenue	3.7	
Marshall	18.4	
Martin	7.7	
Mason	3.5	
Medford	19.2	
Middlesex Avenue	13.1	
Monument	9.75	

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	Crushed Stone tons	Gravel double loads
Morton Avenue	6.45	
Myrtle	10.75	17
Mystic	6.95	
Mystic Avenue	7.15	
Newbern Avenue	3.45	
Paris	17.5	4
Park	34.45	5
Pearl	7.1	
Pembroke	13.5	
Playstead Road	11.8	
Powder House Road	3.2	
Prescott	9.8	
Riverside Avenue	54.4	
Royal	10.55	
Salem	56.	
Sharon	16.55	
Sherman	2.9	
South	14.7	
Spring	14.25	2
Summer	6.3	
Swan	20.9	
Tainter	10.	
Taylor	3.7	5
Thatcher	6.2	
Tufts	9.7	
Union	7.5	
Usher Road	10.1	
Vernon	3.2	
Walnut	3.45	
Wareham	9.95	
Water	19.75	
Webster	11.5	
West	14.45	
Wheeler Avenue	7.4	
Williams	12.85	
Winchester	16.8	
Winthrop	24.3	
Woburn	45.1	11
Wyman	16.85	2
	1,555.95	161

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Removal of Snow.

Balance from 1910		$2,154 48
Commonwealth of Massachusetts		500 00
		$2,654 48
Payroll	$1,607 53	
Teaming	242 54	
New equipments	121 03	
Repairs on equipment	106 08	
Salt	28 00	
		$2,105 18
Balance		$549 90

Sanding Sidewalks.

49 double loads of sand.

Setting Out Trees.

Appropriation		$300 00
Miscellaneous credits		2 00
		$302 00
Payroll	$120 06	
Trees	178 00	
Teaming	1 57	
		$299 63
Balance		$2 37

Trees Set Out.

100	Rock Maples
25	Elms
18	Birches
143	Total

10 double loads of loam.

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Trees Removed.

Alfred Street	1
Governors Avenue	5
High Street	3
Main Street	3
Myrtle Street	1
Riverside Avenue	1
Sharon Street	1
South Street	5
Total	20

Gypsy and Brown Tail Moths.

Appropriation		$5,000 00
Balance from 1910		311 15
Assessment, 1911		2,316 82
Miscellaneous credits		1,827 72
Commonwealth of Massachusetts		2,184 42
		$11,640 11
Payroll	$7,957 16	
New tools	780 73	
Cycle motor, etc	386 80	
Triplex pump	184 28	
Teaming	169 65	
Oils, leads, etc	133 30	
Insurance	107 08	
Printing	105 50	
Clerical	24 00	
Miscellaneous	22 13	
Abatements	10 13	$9,880 76
Balance		$1,759 35

Leopard Moths and Elm Leaf Beetles.

Appropriation	$1,150 00
Miscellaneous credits	45 45
	$1,195 45

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Payroll	$864 37	
Lead	100 00	
Teaming	13 99	
Gasoline	9 00	
Coal tar	3 75	
Sharpening saws	1 00	
Miscellaneous	15	$992 26
Balance		$203 19

Paving Gutters.

Appropriation		$500 00
Miscellaneous credits		41 19
		$541 19
Payroll	$179 56	
Paving stones	195 75	
Teaming	111 97	
Collection of ashes	38 00	$525 28
Balance		$15 91

56 square yards of gutters paved on Bow Street.

Guide Boards and Street Signs.

Appropriation		$200 00
Miscellaneous credits		5 00
		$205 00
Payroll	$72 88	
Lumber	65 11	
Painting signs	30 00	
Teaming	6 88	
Advertising	3 00	$177 87
Balance		$27 13

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New Street Signs.

Alfred Street	1
Bellevue Street	1
Curtis Street	1
Clayton Avenue	1
Joseph Street	1
Mayberry Avenue	1
Monument Street	1
Summer Street	1
Tufts' Lane	1
Willard Avenue	1
Winchester Place	1
Total	11

Special Automobile Signs.

Appropriation		$60 00
Signs	$53 33	
Screws	2 49	$55 82
Balance		$4 18

Street Numbering.

Appropriation		$25 00
Payroll	$24 97	$24 97
Balance		$ 03

Touro Avenue.

Balance on hand, Jan. 1, 1911	$458 56
Balance on hand, Jan. 1, 1912	458 56

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Quincy Street.

Balance on hand, Jan. 1, 1911.....		$338 94
Payroll.....	$31 06	$31 06
Balance.....		$307 88

Watering Streets.

Balance from 1910.....		$1,279 88
Assessment.....		12,258 43
City of Somerville.....		66 43
Miscellaneous credits.....		143 65
		$13,748 39
Payroll.....	$1,511 91	
Oils.....	7,860 42	
Teaming.....	687 71	
Crushed stone.....	428 60	
Repairs on equipments.....	407 40	
Water.....	154 21	
New equipments.....	20 00	
Abatements.....	6 06	
New tools.....	3 72	$11,080 03
Balance.....		$2,668 36

Oil Resurfacing.

22,605 square yards.
14,000 gallons of Asphalt oil.
429 tons stone
66 double loads sand.

Cross, Forest, High and Washington Streets, Riverside Avenue and Harvard Avenue.

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Report of the Park Commissioners

Medford, Mass., January 1, 1912.

To His Honor, Charles S. Taylor, Mayor of the City of Medford:—

Sir,—The Board of Park Commissioners herewith presents its nineteenth annual report for the year ending December 31, 1911.

The present condition of the Parks and Playgrounds is good. To properly perform the needed and necessary work, to provide for the wear and tear occasioned by the increased use of our ever-increasing population, your Board has been put to much labor and thought in view of the small appropriation available. The policy as adopted by the Board last year still appeals to them as a proper one, all things considered, namely, to ask for such appropriation as may be needed for maintenance, and submit to your Honor and the Board of Aldermen, estimates and where necessary, plans for such improvements and additions as may seem desirable during the ensuing year.

Last year's report suggested as matters for consideration:

(*a*) The laying out and improvement of Governors Avenue Park.

(*b*). The acquiring of more land for the proper laying out of Tufts Park, and the protection of that already acquired while yet the opportunity remains.

(*c*). The development of playgrounds situated in the Mystic Valley Parkway.

(*d*). On the development of the Playstead.

Early in the year the Board of Aldermen passed a resolve requesting of the Medford Park Commission, all possible information obtainable relating to the takings of land by Medford, east of Cradock's Bridge. This land purchased by Medford on request of the State through its Metropolitan Park Commission, for park purposes, is held by the Medford Park Commissioners in trust to be transferred to the State on request for the development of the Mystic River Reservation.

The preparation of this information proved to be quite an

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undertaking, but on May 31st, the desired matter, together with a large map prepared by Mr. Adams, showing all takings and the proposed development by the State, was transmitted to the Board. Upon its receipt by the Board of Aldermen, it was referred to its Finance Committee, and the Park Commissioners were requested to appear before them and explain the takings which they did.

While the Board was preparing plans relating to the matters previously referred to as *a*, *b*, *c*, and *d*, an order was introduced into the Board of Aldermen requesting the purchase of more land for Tufts' Park. This resulted in a general discussion of park matters, and in the Park Commissioners being called into conference with His Honor, the Mayor, and the Board of Aldermen as to its advisability.

At this meeting it developed that Medford was in need of more playgrounds.

At the present time Medford has the takings for two playgrounds below the Cradock Bridge on the Mystic River; proper development at a reasonable cost depends on carrying out of the improvements planned for this area by the State.

Medford also has the land known as the Wright's Pond Reservation, which should provide a fine playground and park when the City shall so develop in that location as to need it.

Above Winthrop street on the Mystic River there is a possibility of a playground with opportunity for games and bath houses if a proper arrangement can be made with the State.

In view of the conditions it would seem advisable to supply the immediate needs for playgrounds by the purchase of land in Wards 1 and 4, thus caring for the congested condition in these sections. If this could be done and Tufts Park enlarged, giving opportunity for a large playground in the rear of the park as laid out, as is shown in the plan submitted by the Park Board to the Board of Aldermen, our present and immediate future needs would seem to be well cared for and with land now owned by Medford, all future needs would be supplied.

The one possible exception being the need of small areas for the little children as sections of the City become thickly settled.

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This could be supplied when needed by small open areas containing sand boxes and desired conveniences.

As to the purchasing of necessary land and attendant expense for development, this same could well be taken care of at the present time as the sinking funds to provide for the payment of bonds issued for our present parks and playgrounds are practically cared for.

Should present needs be thus provided for, it would perhaps be best to let the playgrounds situated below Cradock's Bridge, remain as at present until such time as the State had improved the land, and Medford can develop them more economically.

A plan for the improvement of land lying on the West side of Governors Avenue has been submitted with an estimate of cost and it is hoped that when the matter of playgrounds is settled that this development and the improvement of the playstead may be included.

On March 25th a tree was blown down on land on Riverside Avenue, this land being a part of the takings by Medford, for park purposes below Cradock Bridge, some damage to the fence on the highway was occasioned and a new fence has been built.

In May, the Board made its customary annual inspection of all parks and playgrounds; all members were present as well as the Secretary and Engineer.

While making this inspection it was found much damage had been caused to the Playstead by the contractor, who had the contract for laying the sewer under the Boston & Maine tracks.

The matter was gone carefully into by the Board and the contractor notified that he would be held responsible for the cost of proper repairs. The damage was repaired by the Board, and amounted to some one hundred and twenty-three dollars; a bill was rendered the contractor and paid by him.

Item two of last year's request by the Board, for appropriation amounting to four hundred and eighteen dollars which was for re-grading Tufts Park playground, was not allowed. This was necessary for a proper surfacing of the ball-ground and it is hoped to accomplish this much needed improvement if the playground is enlarged this year as is now under consideration.

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To properly prepare this surface for skating and necessary changes in grading, would cost considerably more than your Board at this time recommends.

The amount for maintenance was cut from Three Thousand ($3,000) Dollars to Twenty-five Hundred ($2,500) Dollars, and this taken together with the out-lay for the work on the report submitted to the Board of Aldermen, an unexpected expense as well as the fact that the cost of repairing the damage to the Playstead was paid for by the Board and not made good by the contractor until too late to be of service, prevented some of the customary work of spraying and planting at the end of the season. This it is hoped will be done in the Spring.

The experience of the Board during the past, as in former years, shows the need of better policing of the parks and playgrounds as suggested in last year's report, and it is hoped some arrangement may be made to accomplish it.

We recommend the following appropriation for the use of the Park Department the ensuing year:

1.	Public Commons.....	$3,000 00
2.	Plans for Foster and Curtis Playgrounds.....	200 00
3.	Equipment of Playgrounds.....	250 00
4.	Compensation of Instructor.....	250 00
		$3,700 00

The report of Mr. Edward P. Adams is appended and made a part of this report.

Respectfully submitted,

WILTON B. FAY,
IRWIN O. WRIGHT,
DANIEL W. BEDELL,
F. J. CAULKINS,
D. G. MELVILLE,
Park Commissioners.

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Report of Landscape Architect and Engineer.

Mr. Wilton B. Fay, Chairman Park Commission,
City of Medford.

Dear Sir:—I submit the following report of Park work for the year 1911.

In January, reported upon flooding Tufts Park athletic field for skating; also made plan for re-grading cross sections and levels, and itemized estimate for re-grading Tufts Park athletic field with dike and surface to retain water for skating.

In February, completed books of Park statistics with maps, park laws and ordinances relating to parks.

In March, a personal inspection of all the parks in the City.

In April at Logan Grove, Messrs. Page & Curtin erected the woven wire netting on the northerly boundary fence and Otis street front.

Early in May the Park Commission made a tour of inspection of all the City Parks and Playgrounds; and work to be done was noted. Following this, we made estimates for repairing damage by sewer contractor to cinder track and grass land at Brooks Playstead; also for re-building back stop fences there with tubular iron posts and frame work and galvanized iron netting. The fence on Riverside Avenue, injured by falling tree, was repaired; and temporary repairs to cinder track at Brooks Playstead were made.

We prepared and delivered to the City Clerk on May 31, for the use of the Board of Aldermen, a report in detail regarding the takings of the Medford Park Commission along the Mystic River below Cradock Bridge. This report was accompanied by a blue print, obtained from the office of the Metropolitan Park Commission, through the kindness of Secretary Rogers, of the plan of Mystic River Reservation on a scale of 100 feet to an inch, showing suggested developments Main street to Middlesex Fells Parkway, January, 1911. On this blue print, we showed by colored lines the present boundary lines of the Reservation, and the area held in public ownership by the Metropolitan Board of Park Commissioners, by the City of

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Medford, and by the Park Board of the City of Medford, including Foster and Curtis Playgrounds as proposed.

In June, a list was made of all work needed and authorized by the Board of Park Commissioners. This included besides minor improvements in construction and pruning trees and shrubs:

(*a*) Design and estimate of cost of Governors Avenue Park improvement.

(*b*) Report on additional land and design for Tufts Park Extension.

(*c*) Foster and Curtis Playgrounds.

(*d*) Plan and report for development of Brooks Playstead.

This work has been taken up in the order given:

The back-stop fence at Tufts Park was extended 18 feet at each end, making 54 feet in length, ten feet high.

A preliminary plan and photographs of Governors Avenue property were made.

In July, the shrubs in all the parks were pruned by Mr. Croshaw. Six more oak plank seats with cedar posts were ordered of G. H. Archibald. Two were set on the Common, and four at Tufts Park. Repairs were made to band stand on the Common.

In August, on marsh land boundaries and general supervision of park work.

In September the order for galvanized iron tubular framework for back-stop fence at Brooks Playstead, was placed with Walworth Mfg. Co., and they finished the erection about the middle of October. Contract for furnishing and erecting chain link fencing on this framework was made with Anchor Post Iron Works, but this work was not completed until December. The posts of this fence were set in concrete two feet square, three feet deep.

In October the fence between the Common and Fifield proerty was rebuilt by N. B. Cunningham. Half of the expense was paid by W. W. Fifield, and half by the City of Medford.

Four of the large Maple trees at Logan Grove had become so much decayed and broken, that the Board decided to have them removed, and this was done at the end of the season's

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work, in October. The fences at this park were completed and painted.

The landscape design for Governors Avenue Park with detailed estimates, was completed and presented at the special meetings of the Commission, November 9 and 13.

A plan for the proposed extension of Tufts Park, was prepared showing proposed purchase of 128,506 square feet of land, the park bounded by streets fifty feet wide and divided into ball field, children's playground and an ornamental park fronting four hundred feet on Tufts Square.

An outline plan for the proposed Foster's Playground in the Mystic River taking between Riverside Avenue and "Labor in Vain" was begun.

The care of lawns, walks and shrubbery beds of the City parks has continued through the growing season as in former years, under the daily direction of Mr. Reed, Clerk of the Commission, Mr. Rafferty and two laborers being employed from the latter part of April until the middle of November. Mr. Rafferty and one laborer were employed a few days in January and February on Tufts Park, and from the middle of November until December 1st, on Logan Grove, and a final clearing up of the parks.

The lawns were well cared for throughout the season. But all the parks needed more frequent clearing up, especially Tufts Park, and work on the playground there was much needed. The proper maintenance of the City's parks and playgrounds calls for an additional laborer throughout the season.

It is a common mistake to think that playgrounds do not require continued care and labor to keep them fit for use. A coarse gravel surface will never make a proper place for a ball field or for athletics of any kind. Raking up and removal of stones and the filling of holes worn in play should be frequent. Rolling after soaking rains is essential and a real economy in maintenance.

Ample playgrounds, as well as small neighborhood parks, are essential for the well being of every city community. It has been found from experience in other cities that there should be a small park for the youngest children within ten

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minutes' walk of every city home, and a large, well equipped playground within fifteen minutes' walk of every part of the city.

A comprehensive, carefully studied plan with this in view, and the means to carry it out, are needed in Medford.

Respectfully submitted,

EDWARD P. ADAMS,
Landscape Architect and Engineer.

January 9, 1912.

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Report of the City Solicitor

Medford, Mass., January 1, 1912.

Hon. Charles S. Taylor, Mayor of Medford:

Dear Sir:—I beg to submit herewith my fifth annual report as City Solicitor.

Legislation.

At your request and in pursuance of a resolution adopted by the Board of Aldermen, I prepared a petition to the Legislature with an accompanying bill for the purpose of securing legislation to exempt the City of Medford from the $12 limit so-called, during the years 1911 and 1912. I represented the City before the Legislative Committee on Cities, and argued in support of the measure. The bill was passed by the Legislature, and was approved by the Governor, April 12, 1911. See Acts 1911, Chapter 272. The text of the Act is as follows:

Section 1. The taxes assessed on property in the City of Medford, exclusive of the State Tax, County Tax and sums required by law to be raised on account of the City Debt, shall not during the years nineteen hundred and eleven and nineteen hundred and twelve exceed on every one thousand of the Assessors' valuation of the taxable property therein for the preceding year thirteen dollars, the said valuation being first reduced by the amount of all abatements thereon previous to the thirty-first day of December in the year preceding said assessment, subject to all the provisions of Section Fifty-three of Part I of Chapter Four Hundred and Ninety of the Acts of the year nineteen hundred and nine except the limit of taxation therein provided, which shall not be applicable to the City of Medford during the years nineteen hundred and eleven and nineteen hundred and twelve.

Section 2. This act shall take effect upon its passage.

Written Opinions.

Written opinions have been rendered to various municipal boards or officers during the year 1911 upon the following questions:

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1. Whether the Board of Water and Sewer Commissioners has a right to charge 20 cents for a "summons" sent to a delinquent water taker.

2. Whether a certain release entitled the City of Medford to construct a sewer or lay a water pipe on certain premises.

3. What are the legal steps necessary to compel the New-England Tel. & Tel. Company to place underground, in conduits, its wires on Salem and High streets?

4. Whether the Board of Park Commissioners has the right to lease park lands for business purposes.

5. Whether the New England Tel. & Tel. Company in its application for a grant of location for underground conduits, had conformed, at the time the opinion was given, with the requirements of the ordinances relative to the construction of conduits.

6. Whether the Board of Sinking Fund Commissioners has power to revise a demand of the amount to be raised by taxation; has power to transfer surpluses from one sinking fund to another; and has power to prescribe the amounts to be raised each year by taxation.

7. Whether Order No. 8051 of the Board of Aldermen, ordering the Street Commissioner to macadamize and properly grade South street from Main street to Winthrop street, is legal.

8. What is the proper form of deed where property is sold for non-payment of a sidewalk assessment?

9. Where the Water and Sewer Department has laid pipes in a private way before a grade has been established by the city, and later the grade is established, and it is then found that the gate boxes, services or manholes are either below or above the established grade: Should the gate boxes, services or manholes be put at the proper level at the expense of the Water and Sewer Department, or of the Street Department?

10. Whether a proposed ordinance is legal which would prohibit any official of the city who received a salary, from appearing as a witness in the courts of the Commonwealth where his testimony may be used against the citizens of the city, except where the City of Medford or the official may be a party to the suit or when ordered by a court having jurisdiction in such cases.

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11. What the duties of the City Physician are where a member of the Fire Department claims full pay for time lost by sickness?

12. What is the proper method of procedure in instituting prosecutions for violations of the statue providing that physicians report certain contagious diseases?

13. What is the meaning of "extraordinary emergency" in the eight hour law, so-called, and its application to labor occasioned by snow storms?

14. What is the proper action to be taken by the Board of Park Commissioners relative to a certain deed of the Commonwealth of Massachusetts to the City of Medford comprising certain lands as shown upon a plan entitled "Metropolitan Park Commission, Plan No. 611 Mystic River Reservation, Plan of Purchase of Auburn Street, Medford, to be conveyed to the City of Medford?"

15. What provisions are required by statute law to be inserted in municipal contracts?

16. Whether the City of Medford through the Water and Sewer Commissioners, has legal authority to make an agreement with the City of Malden whereby the City of Malden shall permit houses in Medford to be connected with the Malden sewerage system.

17. Whether the Board of Aldermen has the right to assess street watering assessments on land owned by the Commonwealth of Massachusetts?

Claims.

The following claims against the City have been brought to my attention and have been investigated:

1. City of Salem vs. City of Medford:—For reimbursement of support of pauper alleged to have a settlement in Medford.

2. Alice J. Connolly, Marguerite M. M. Connolly and Anthony J. Connolly vs. City of Medford: For injuries alleged to have been sustained in consequence of a defect in a highway.

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3. Rose B. Connolly vs. City of Medford:—For injuries alleged to have been sustained through a defect in a highway.

4. Gertrude E. VanWei vs. City of Medford:—For injuries alleged to have been sustained through a defect in a highway.

5. Albert L. Plotner vs. City of Medford:—For injuries alleged to have been sustained through a defect in a highway. Suit has been brought on this claim.

6. Edwin C. Fowler vs. City of Medford:—For injuries alleged to have been received on property adjoining a highway.

7. Mary E. Dearborn vs. City of Medford:—For injuries alleged to have been sustained through a defect in a highway.

8. Michael Dwyer vs. City of Medford:—For damage to property alleged to have been sustained through blasting done on city land.

9. James R. Carret, Trs. vs. City of Medford:—For damages sustained by an alleged taking of land by the City of Medford. Suit has been begun on this claim.

10. Peter McGinniss vs. City of Medford:—For injuries alleged to have been sustained by a defect in a highway.

Land Court Cases.

The following matters in the Land Court in which the City has been interested, have received whatever attention was necessary:

1. Petition of J. Harvey White et al. Trs., to register and confirm title to land on Boston Avenue.

2. Petition of J. Frank Crowley, to register and confirm title to land on Chester Avenue.

3. Petition of Fanney L. Mallet to register and confirm title to land on Warren Street.

4. Petition of Josephine M. Dimmick et al., for registration and confirmation of title to land on Riverside Avenue and Salem Street.

5. Petition of Frank C. Friend for registration and confirmation of title to land on Adams Street, Boston Avenue and Quincy Street.

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6. Petition of Delia Dwyer for registration and confirmation of title to land on Fellsway West and Paris Street.

Cases Settled.

The action of Thomas F. Reddy against the City of Medford for compensation for services rendered in the Spot Pond litigation, which had been pending a long time, and also the cases of Harry F. Bailey and Thomas G. Washburn, against the City of Medford, involving the validity of certain takings by the City Collector for taxes, were settled. All these cases were fully heard before auditors before settlement was advised. The claim of Aubin against the City of Medford has been settled. In this matter, before certain water and sewer pipes were laid by the City of Medford in land used as a private way and known as Douglas Road, releases had been secured from the owners of the equity of redemption, but not from the mortgagee, Mr. Aubin. This transaction took place long before I assumed office and my only connection with the matter has been to endeavor to get the City out of the predicament in which it was placed when the mortgagee foreclosed his mortgage and demanded that the City remove its pipes from his land. As the mortgagee had never released his rights to the City, he had a legal right to enforce this demand. The matter was finally adjusted by Mr. Aubin registering his title to the land in the Land Court, and the City being certain of then acquiring a good title, purchased his land from him and thus secured the right to maintain its pipes. The reason that it was deemed advisable to purchase the land was that the presence of the pipes in the middle of the land rendered it practically valueless for building purposes and the owner of the land demanded as much for the privilege of continuing the water and sewer pipes where they were as he did for the sale of the land outright.

Claims Collected.

The following claims were collected:

City of Medford Water Department vs. Arnold Schaer, for $264.73 for installation of water meter; an execution for costs

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in the City's favor against Willard Welsh amounting with interest, to $35.60; and a claim for taxes on personal property against the New England Brick Company amounting with interest, to $870.30. In the latter case collection was affected by filing a bill in equity against the company, to enjoin it from carrying on business until the taxes should be paid.

Purchase of Land for School Purposes.

During the year 1911, the City has purchased several lots of land for school purposes. In each case I have examined the title of land to be purchased and approved the form of deed. The several lots purchased were,—Lot 40 on Paris Street, Medford, purchased from Nathaniel M. Safford; land on Hancock Avenue, purchased from the Heirs of Elbridge Teel; land on Hancock Avenue, purchased from Frank E. Chandler; land on Fourth Street, Wellington, purchased from Arthur W. Wellington; and land on Harvard and Yale Streets, purchased from Helen Hooper Brown, Philip Dexter, Guardian.

Trustees Process and Assignment of Wages.

Several small cases involving assignments of wages and suits where the wages of City employees have been trusteed, have been given due attention, but I do not deem it necessary to make a detailed statement of these matters.

Respectfully submitted,

EDWARD E. ELDER,
City Solicitor.

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Report of the Water and Sewer Commissioners

Medford, January 1, 1912.

Hon. Charles S. Taylor, Mayor:

Dear Sir:—We submit to you herewith the annual report of the department under our charge, for the year 1911.

The year has been one of unusual labor and we feel that the first record made by this Board, at the beginning of the new year, should be one of recognition of the good service rendered by the office force of the department. Our thanks are due them for hard and faithful work. The change of water rate was made after a careful research as to the effect any change might have on every class of water takers in our city and the effect any reduction of income would have on our future operations; all this required careful, conscientious labor if proper results were to be obtained. They have our thanks and deserve those of our people.

You have already officially notified all parties concerned of the changes made; we thank you for your approval, and trust that the public are, to say the least, not displeased. There have been large extensions made to the plant, mains have been renewed in large numbers, every service in Medford has been metered, and the year finished with a balance on hand, and the works absolutely free from debt. The latter condition is very gratifying and one from which we hope the Department will never depart.

For the information of the public we state that every service in Medford, both public and private, has been metered; this goes so far as to include horse troughs, drinking fountains and all private fire services.

The office has been equipped with the most approved labor saving devices and it is hoped by their use to carry on the increased amount of labor involved in the new rate system, without any addition to the office force.

The city has used during the year 1911, 440,604,000 gallons of water or 78,566,800 gallons less than was used during the preceding year and a per capita reduction from 105 gallons in 1907 to 50 gallons in 1911.

The following work has been done as reported by the Superintendent.

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NEW MAINS.

LOCATION		Length	Size
Alexander Avenue	Main Street, easterly	680 feet	6 inch
Bowen Avenue	Main Street, easterly	365 "	6 "
Burnside Street	End, northerly	128 "	6 "
Carolina Street	Riverside Avenue, northerly	472 "	6 "
Central Avenue	Chestnut Avenue, to Fellsway	214 "	8 "
Central Avenue	End, to Evans Street	24 "	8 "
Chandler Road	Woburn Street, northerly	116 "	8 "
Chestnut Avenue	Central Avenue branch, to street line	12 "	6 "
Dartmouth Street	At Princton Street	34 "	8 "
Evans Street	Central Avenue, southerly	265 "	6 "
Fells Avenue	At Metropolitan Water Works connection	38 "	8 "
Fellsway	Central Avenue to Malden Street	574 "	12 "
Fellsway West	Grant Avenue, easterly	84 "	8 "
Fellsway West	Grant Avenue to Almont Street	974 "	8 "
Fellsway West	Park Street to Paris Street	342 "	8 "
Fellsway West	Valley Place to Almont Street	147 "	8 "
Fulton Terrace	Fulton Street, easterly	347 "	6 "
Grant Avenue	Fellsway West, southerly to connect	51 "	6 "
Gravelly Creek Road	Maple Park Avenue, northerly	145 "	8 "
Gravelly Creek Road	Maple Park Avenue, southerly	96 "	8 "
Hill Avenue	End, southerly	48 "	8 "
Johnson Avenue	Grove Street, southerly	473 "	6 "
Maple Park Avenue	Gravelly Creek to Fulton Street	455 "	6 "
Mayberry Avenue	End, easterly	12 "	6 "
Mystic Street	Hydrant, northerly to Vernon Street	41 "	8 "
Mystic Street	Vernon Street, northerly to connect	65 "	6 "
Poole Street	Central Avenue end, southerly	234 "	6 "
Princeton Street	Dartmouth Street, westerly	745 "	6 "
Rockwood Terrace	Fulton Street, easterly	326 "	6 "
Sheridan Avenue	Fellsway West, southerly to connect	37 "	6 "
Sharon Street	East of Arlington Street, toward river	54 "	6 "
Vernon Street	Mystic Street to connect	165 "	8 "
Winter Street	Winthrop Street, westerly	204 "	6 "
Total		7,967 feet	

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MAINS RENEWED.

LOCATION		Length	Old Size	New Size
Burnside Street	Lawrence Street, northerly	153 feet	2 inch	6 inch
Garden Street	Oakland Street branch, to street line	28 "	2 "	6 "
Grove Street	High Street, northerly	819 "	2 "	10 "
Lincoln Street	Harvard Avenue, westerly	582 "	4 "	6 "
Oak Bluff	Oakland Street branch, to street line	12 "	4 "	6 "
Oakland Street	Salem Street to Water Street	960 "	4 "	6 "
Sharon Street	High Street to Harvard Avenue	1,408 "	6 "	6 "
Sharon Street	Arlington Street, easterly	173 "	2 "	6 "

Total length of mains in use January 1, 1911, 313,875 feet.
Laid during 1911 ..... 7,967 feet.

Total to January 1, 1912 .....321,842 feet, or 61 miles.

Main Leaks.

Twenty-two main leaks have been attended to.

Three of the streets, Grove, Lincoln and Oakland, on which leaks have occured, have been relaid.

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New Blow Offs.

On Fellsway main north of hydrant.
On Fellsway West main at Park Street.
On Gravelly Creek Road main near Fellsway West.
On Sharon Street main near High Street.

Hydrants, Standpipes and Fountains.

Twenty-five new hydrants have been set and three abandoned, making a total of 567 hydrants for fire purposes.

Three old hydrants have been replaced by new ones.

All hydrants have been inspected and kept in serviceable condition.

Horse troughs, standpipes and drinking fountains have been kept in good repair and horse troughs cleaned regularly.

All services for horse troughs, standpipes and drinking fountains in use are now metered.

Services.

One hundred and ninety-one new services have been installed, their length totaling 8,254 feet, 1 inch; 3,780 feet was in the street and 4,474 feet, 1 inch on private property.

Sixteen services have been renewed from main to cellar wall, twelve from main to street line and nineteen from street line to cellar wall.

Sixty-seven services have been cleaned and one extended.

Sixty-five service leaks have been repaired.

Seven fire supplies have been metered and at present all water used in the city, except through hydrants and flushing manhole services, is measured by meter.

Twenty-six frozen meters have been cared for and one hundred and eighty others taken out to clean or repair.

Sewer Department.

Considerable work has been done in this division of the department, there having been about 40% more main sewers laid and 20% more house connections than in 1910.

House connection stoppages seem to be on the increase, and

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some of these connections should be relaid. We ask for an appropriation of $1,000 for sewer maintenance.

The work done by this division as reported by the Superintendent is as follows:

New Street Sewers.

Location	Length	Size.
Alexander Avenue	616.4 feet	8 inch
Burnside Street	677.2 "	8 "
Carolina Street	450.0 "	8 "
Chandler Road	102.6 "	8 "
Evans Street	300.0 "	8 "
Fellsway, West Side	435.6 "	10 "
Fellsway West, North Side	228.1 "	8 "
Fellsway West, South Side	1,020.0 "	8 "
Fulton Terrace	325.4 "	8 "
Hill Avenue	92.0 "	8 "
Park Street	42.5 "	8 "
Princeton Street	365.0 "	8 "
Rockwood Terrace	261.0 "	8 "
Third Street	225.5 "	8 "
Winter Street	500.0 "	8 "
Wyman Street	301.8 "	8 "
Branch line for Fulton & Rockwood Terraces	361.9 "	8 "
Contract		
Boston Avenue	693.7 feet	8 inch
Grove Street	351.9 "	15 "
Jackson Road	868.3 "	15 "
Johnson Avenue	930.0 "	8 "
Tyler Avenue	1,115.0 "	8 "
Tyler Avenue to Met. Sewer	441.6 "	15 "
Total	10,705.5 feet	

Total length street sewers Jan. 1, 1911 ..... 279,846.0 feet
Total length street sewers laid 1911 ..... 10,705.5 "

Total length street sewers to date ..... 290,551.5 feet
or, 55.03 miles.

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House Connections.

Two hundred and five house connections have been made with the main sewer and one extended.

Total length of connections Jan. 1, 1911	180,706.8 feet
Total length of connections made in 1911	9,383.5 "
Total length of connections to date	190,090.3 feet or, 36 miles.

Sewer Maintenance.

All street sewers have been flushed and scraped and regulators inspected and cleaned.

Sixty-four house connections have been cleared of obstructions and four have been re-laid.

Brooks and Streams.

We ask for an appropriation for the care, cleaning, etc., of the water ways under our charge of $300.

The following is an estimated value of material on hand Jan. 1, 1912.

Cast iron pipe and fittings	$4,649 00
Gates, gate-boxes and repair parts	395 00
Hydrants and repair stock	221 00
Standpipe repair stock	62 00
Fountain repair stock	26 00
Service pipe fittings	1,731 00
Odd fittings	69 00
Meter stock	1,524 00
Lead	228 00
Sewer pipe and fittings	1,370 00
Cement	112 00
Tools	3,035 00
Horses, harnesses, blankets, etc	700 00
Wagons, pungs, etc	1,425 00
Office furniture	2,700 00
Miscellaneous stock	440 00
Total	$18,687 00

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Finances.

The following tables are the report of our Water Registrar, Fred L. Cushing.

Water Works Account, 1911.

Cr.

Balance brought from the year 1910	$160 87
Receipts, water rates	73,052 76
Receipts, construction	4,533 62
Receipts, maintenance	3 44
Receipts, meter account	6 00
Receipts, rent of building	144 00
Receipts, interest on balances	669 21
	$78,569 90

Dr.

Paid, maintenance of the works	$9,893 27
Paid, fourteenth assessment for Metropolitan Water	30,159 23
Paid, construction, meters, and service pipes	27,102 39
Balance unexpended Dec. 30, 1911	11,415 01
	$78,569 90

Sewer Construction Account, 1911.

Cr.

Balance brought from the year 1910	$8,815 62
Sewer Assessments	12,614 72
House connection assessments made 1911	5,232 83
Apportioned accounts, house connections	420 70
Apportioned accounts, sewer assessments	920 58
Apportioned accounts, sewer assessments paid in advance	198 74
Apportioned accounts, house connections paid in advance	55 91
Receipts, stock and labor bills	358 80
Appropriations	5,000 00
	$33,617 90

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Dr.

Paid, Sewer Construction 1911	$30,001 50
Sewer Assessments apportioned	2,583 73
House Connection Assessments apportioned	721 93
Balance unexpended December 30, 1911	310 74
	$33,617 90

Sewer Maintenance Account, 1911.

Cr.

Appropriations	$1,100 00
Receipts, 1911	21 47
	$1,121 47

Dr.

Expended during 1911	$947 45
Balance unexpended December 30, 1911	174 02
	$1,121 47

Brooks and Streams Account, 1911.

Cr.

Appropriations	$400 00

Dr.

Expended during 1911	$338 41
Balance unexpended	61 59
	$400 00

Sewer Assessments.

Total Assessments January 1, 1911	$259,142 31
Assessments levied during 1911	12,614 72
Total Assessments levied to date	$271,757 03

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Petitions for the apportionment of sewer assessments to the amount of $2,583.73 have been granted, and the same certified to the Board of Assessors.

The sewer house connection work during the year has cost per foot as follows:

2	connections	145	ft.	cost less than	$0	30		
33	"	1,507	"	" between	30	and	$0	40
60	"	2,594	"	" "	40	"		50
1	extension	58	"	" "	40	"		50
42	connections	2,020	"	" "	50	"		60
30	"	1,446	"	" "	60	"		70
18	"	808	ft. 6 in.	" "	70	"		80
10	"	397	"	" "	80	"		90
4	"	159	"	" "	90	"	1	00
6	"	249	"	" over	1	00		

205 connections=9,325 ft. 6 in., 1 extension=58 ft., making a total of 9,383 ft. 6 in., costing $5,204.94, making an average cost of $0.554 per linear foot. Making to January 1, 1912,

Total number of sewer connections..... 4,175

Total length of sewer connections.....190,090.3 feet
or, 36.00 miles.

Average length of all sewer connections..... 45.53 feet.

Total cost of all sewer connections..... $93,730 77

Average cost per foot of all connections..... $0.493

Buildings connected with sewers, see last report...3,859

Buildings connected during 1911..... 207

4,066

Families accommodated, see last report.....5,212

Additional accommodated during 1911..... 373

5,585

Also one church, two school houses and nineteen business places.

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Spot Pond Fund.

Cash on hand January 1, 1911	$3,622 79	
Received by the Treasurer, interest	52 01	
		$3,674 80
Paid, expenses of suit	$2,839 68	
Cash on deposit January 1, 1912	835 12	
		$3,674 80

WATER MAINTENANCE, 1911.

	Bills	Labor	Total.
Administration expense	$510 99	$1,153 57	$1,664 56
Main pipe leaks	95 51	266 85	362 36
Service pipe leaks	45 68	193 89	239 57
Hydrants	111 20	555 87	667 07
Fountains	126 78	212 78	339 56
Gates, stops and boxes	60 70	160 78	221 48
Stable expense	1 30	770 70	772 00
Care of shop and stock	36 78	569 74	606 52
Care of meters	154 05	1,922 40	2,076 45
Clearing and renewing services	144 37	361 48	505 85
Delivering bills		44 32	44 32
Blowing off mains		19 51	19 51
Wrights Pond expense	1,374 12		1,374 12
Turning on and off water	1 00	138 31	139 31
Inspection of services		8 83	8 83
Bicycle expense	16 95	2 26	19 21
Locating service boxes		31 79	31 79
Taking account of stock		34 93	34 93
City of Malden, for water	9 94		9 94
Clearing Locust St. main	3 26	26 60	29 86
Repairing streets, settled	16 75		16 75
Miscellaneous work	45	16 71	17 16
Stock and tools	603 60	79 08	682 68
Cost	$3,313 43	$6,570 40	$9,883 83
Items paid, refunded to the account			9 44
Total paid 1911			$9,893 27

WATER CONSTRUCTION, 1911—MAINS RENEWED ACCOUNT.

	Bills	Labor	Total.
Garden street	$22 71	$17 24	$39 95
Grove street	883 95	378 88	1,262 83
Lincoln street	284 33	213 93	498 26
Oak Bluff	23 20	9 64	32 84
Oakland street	550 55	289 14	839 69
Sharon street	976 99	645 16	1,622 15

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NEW MAINS ACCOUNT.

	Bills	Labor	Total.
Alexander avenue	$429 23	$178 06	$607 29
Bowen avenue	216 92	91 96	308 88
Burnside street	205 46	88 38	293 84
Carolina street	259 88	115 72	375 60
Central avenue	197 43	86 39	283 82
Chandler road	106 55	59 53	166 08
Chestnut avenue	9 36	4 34	13 70
Dartmouth street	28 43	9 53	37 96
Evans street	163 91	57 52	221 43
Fells avenue	50 62	38 66	89 28
Fellsway	706 76	250 63	957 39
Fellsway West	1,233 29	456 36	1,689 65
Fulton Spring		1 32	1 32
Fulton terrace	214 66	101 81	316 47
Grant avenue	99 15	24 03	123 18
Gravelly Creek road	252 56	146 08	398 64
Hill avenue	30 43	14 23	44 66
Johnson avenue	213 30	167 49	380 79
Maple Park avenue	281 65	130 46	412 11
Mayberry avenue	5 78	10 02	15 80
Mystic street	152 09	183 68	335 77
Poole street	152 63	66 36	218 99
Princeton street	435 14	156 00	591 14
Rockwood terrace	198 51	68 18	266 69
Sheridan avenue	34 30	15 81	50 11
Vernon street	157 43	146 55	303 98
Winter street	174 24	60 33	234 57

OTHER WORK.

	Bills	Labor	Total.
New services laid	$2,823 37	$623 33	$3,446 70
Account, new meters	3,468 56	1,111 23	4,579 79
Plans of piping	68 98		68 98
Work done, to be collected for	2,126 02	572 73	2,698 75
Stock and tools		340 47	340 47
Administration expense	2,233 00		2,233 00
Stable expense	1,081 00		1,081 00
Insurance	131 85		131 85
New blow offs	9 06	4 55	13 61
Recording papers	33 55		33 55
New fountains	63 61	40 89	104 50
Repairing streets, settled	8 83	41	9 24
Miscellaneous		2 07	2 07
Cost	$20,799 27	$6,979 10	$27,778 37
Stock used, paid for in previous years.			675 98
Net amount paid 1911			$27,102 39

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SEWER CONSTRUCTION, 1911—MAIN SEWERS.

	Bills	Labor	Total
Alexander avenue	$207 34	$272 48	$479 82
Boston avenue extension	3 44	2 99	6 43
Burnside street	218 51	411 14	629 65
Carolina street	184 14	273 03	457 17
Chandler road	36 33	70 89	107 22
Cross-line, Fulton terrace	156 50	135 45	291 95
Evans street	94 35	196 08	290 43
Fellsway	1,011 24	1,373 20	2,384 44
Fulton terrace	92 65	124 01	216 66
Hill avenue	25 37	61 84	87 21
Park street	8 15	21 48	29 63
Princeton street	174 23	174 22	348 45
Rockwood terrace	93 21	145 42	238 63
Section No. 18	12,274 57	35 80	12,310 37
Sheridan avenue	1 93	3 42	5 35
Third street	58 11	133 58	191 69
Winter street	211 60	245 54	457 14
Wyman street	154 98	393 46	548 44

OTHER WORK.

	Bills	Labor	Total.
House connections, to be collected for	$6 71	$2,934 59	$2,941 30
Other work, to be collected for	115 60	119 79	235 39
Stable expense	1,082 05		1,082 05
Administration expense	2,807 95		2,807 95
Engineering expense	901 68		901 68
Stock and tools	1,589 81	158 95	1,748 76
Insurance	337 73		337 73
Recording papers	9 35		9 35
Certifying bond issue	40 00		40 00
Repairing streets, settled	21 00	50	21 50
Connecting manholes with water	2 64	3 04	5 68
Release for right of way	789 43		789 43
Total paid, 1911	$22,710 60	$7,290 90	$30,001 50

SEWER MAINTENANCE, 1911.

	Bills	Labor	Total.
House connections stopped	$9 71	$146 13	$155 84
Scraping and cleaning sewers		498 13	498 13
Flushing sewers		5 66	5 66
Care of shop and tools		16 03	16 03
Care of manholes	7 18	8 72	15 90
Stable expense	155 00		155 00
Stock and tools	77 39	10 37	87 76
Repairing streets, settled		75	75
Advertising Ordinance	7 88		7 88
Printing	4 50		4 50
Total paid, 1911	$261 66	$685 79	$947 45

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BROOKS AND STREAMS, 1911.

General Account.	Bills	Labor	Total.
Clearing screens		$13 89	$13 89
Care and inspection		44 43	44 43
Gravelly Creek.			
Stock	7 03		7 03
Cleaning		70 89	70 89
Cleaning		$45 86	$45 86
Whitmore Brook.			
Cleaning		22 56	22 56
Winter Brook.			
Cleaning		133 75	133 75
Total paid, 1911	$7 03	$331 38	$338 41

We would again call attention to the land owned by the City between Elm and Forest Streets, and under the charge of this Board, and hope that some way may be found in the near future to dispose of the same. We feel that the chances of using this property again for water purposes are very remote, and as it stands at present it is quite a bill of expense to the water takers, having cost during the past two years twenty-seven hundred ($2,700.00) dollars for care of the Gypsy Moth alone.

Respectfully submitted,

FRANK G. GRADY,
FRED'K W. GOW,
Water and Sewer Commissioners.

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Report of the School Department

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SCHOOL CALENDAR FOR 1912.

Winter Term.

First Half.—Begins January 1 and closes February 16.
Vacation of one week.
Second Half.—Begins February 26 and closes April 12.
Vacation of one week.

Spring Term.

Begins April 22 and closes Friday, June 28.

Fall Term.

Begins September 4 (Wednesday) and closes December 20.

Holidays During Term Time.

Every Saturday, Columbus Day, Thanksgiving Day with the half-day preceding and the day following it, May 30 and June 17.

SCHOOL COMMITTEE FOR 1911.

Membership.

Hon. Charles S. Taylor, Mayor, *Ex-officio.*

At Large.	Term expires.
Hon. William C. Wait, 194 Forest St.	1912
Charles N. Jones, 352 Salem St.	1913
Edward W. Barrett, M.D., 4 Ashland St.	1914

Ward.	*From Wards.*	
1.	Amanda H. Plummer (Mrs. J. M. G.), 36 Lawrence St.	1913
2.	Charles W. McPherson, D.M.D., 43 Magoun Ave.	1913
3.	Joseph R. DeCamp, 238 High St.	1912
4.	Clara T. Guild (Mrs.), 31 College Ave.	1912
5.	George S. T. Fuller, 7 Alfred St.	1914
6.	William H. Couch, 104 Jerome St., W. Medford.	1913
7.	David G. Melville, 52 Magoun Ave.	1914

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Organization of Committee.

David G. Melville, *Chairman.* Charles N. Jones, *Clerk.*

Standing Committees.

Appropriations: Melville, Taylor, Wait, Jones.
Buildings: Fuller, Couch, Jones, Melville.
Fuel and Accounts: Jones, DeCamp, Taylor.
Evening School: Mrs. Guild, Mrs. Plummer, McPherson.
Vacation School: Mrs. Guild, Mrs. Plummer, McPherson.
Manual Training: DeCamp, McPherson, Mrs. Plummer.

The Superintendent is a member of all standing committees.

Meetings of Committee.

Regular meetings of the School Board are held in the School Committee Room, High School Building, Forest Street, on the second and fourth Monday of every month, except July and August, at 7.30 o'clock p.m.

Superintendent of Schools.

Fred H. Nickerson, A.M.....57 Dudley St.

Superintendent's Clerk.

Annie I. Letson.....8 Fulton St.
Office.—High School, Forest St.
Office Hours.—8 to 1 and 3 to 5 every school day, and 8 to 12 on Saturdays.
Office Telephone.—34 Medford.

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Medford, January 1, 1912.

To His Honor Charles S. Taylor, Mayor:

Sir:—The Medford School Board herewith submits to you its annual report.

The City has had to maintain the same number of school houses as reported to you last year, viz., seventeen. Two additional buildings, the Hall and Cummings, still remain closed.

During the earlier part of the year in accordance with recommendations of the School Committee, the City Government appropriated $34,000 for the purchase of land and the erection of a four room brick building at Wellington, $14,700 for an addition of two rooms to the Curtis School building, and $12,000 for the purchase of land for a contemplated primary school building on Hancock Street, and for the enlargement of the Lincoln School lot in South Medford.

The designated land purchases were made and the contract for the erection of the proposed building at Wellington was placed soon after the appropriations were made. When the bids for the contemplated addition to the Curtis School building were received, they were so much in excess of the appropriation that it was deemed unwise to make the proposed addition to the present building and the City Government cancelled the original appropriation of $14,700 for that purpose and appropriated $32,000 for the enlargement of the lot and the erection of a new four room brick building. Arrangements are being made to purchase land for the extension of the lot to the rear, the old building has been moved back and a brick building, similar in plan to the one at Wellington, is in process of erection. The old building and the new one will be connected so as to form essentially one structure of six rooms.

The above mentioned buildings will be completed and put into use not later than next September.

The School Committee recommended, also, an appropriation of $100,000 to begin an enlargement of the present High School building, which is wholly inadequate for the present needs of this school. The City Government refused to make an appropriation for this purpose, not because such enlarge-

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ment was thought unnecessary, but because it was felt that the finances of the City would not permit it at that time. The growth of the High School attendance during the present school year and the outlook for the coming year make it increasingly imperative that an appropriation for this purpose be made as early as possible in 1912. It seems practically certain that the school must be put on a double session plan in September.

At the present time, as much is being done in lines of vocational training as the funds of the Committee will permit, but, if Medford is to keep pace with the new order of educational endeavor, as it should, increased attention must be given to the training of young people along lines that may fit them better for practical every-day work.

In order to diminish the waste of time of pupils in traveling to the manual training room that has been maintained at the Centre School, it is the purpose of the Committee to equip manual training centers at the Brooks, Lorin L. Dame, and Washington Schools as rapidly as conditions will permit.

It is the belief of the Committee now, as it was last year, that the work of medical inspection in the schools should be extended. This does not seem possible, however, until a greater sum than two hundred dollars is available for this purpose. We trust that, in the near future, it may be possible to increase the amount allotted to medical inspection.

For information in detail regarding the management of the schools, you are referred to the report of the Superintendent of Schools, which follows.

Respectfully submitted,

DAVID G. MELVILLE,
WILLIAM CUSHING WAIT,
EDWARD W. BARRETT,
CHARLES N. JONES,
AMANDA H. PLUMMER,
CHARLES W. MCPHERSON,
JOSEPH R. DECAMP,
CLARA T. GUILD,
GEORGE S. T. FULLER,
WILLIAM H. COUCH.

School Committee.

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REPORT OF SUPERINTENDENT OF SCHOOLS.

To the School Committee of Medford:—

It has been my aim in preparing the following report to present only such facts as seem necessary to an intelligent understanding of conditions with respect to the administration of the schools.

For the sake of easy comparison by any who are so disposed, I have followed in general the plan of statistical tables given in my previous reports.

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TABLE I.—NUMBER OF TEACHERS IN THE DIFFERENT DEPARTMENTS OF THE DAY SCHOOLS, DECEMBER, 1911.

	Regular Day School Teachers.			Supervisors and Special Instructors.							
	HIGH Gr. X-XI-XII-XIII	GRAMMAR Gr. V-VI-VII-VIII-IX	PRIMARY Gr. I-II-III-IV	Music.	Drawing.	Physical Training.	Military Drill.	Sewing.	Cooking.	Woodwork	Totals.
Male.....	7	6	0	1	0	0	1	0	0	2	17
Female.....	17	48	45	1	2	1	0	1	1	0	116
Total.....	24	54	45	2	2	1	1	1	1	2	133

Comment on Table I.

Comparison of this table with a similar one in the report for 1910 shows that in December, 1911, there were employed in our day schools three more teachers than at the corresponding period in 1910.

In addition to the number of teachers given in the above table, there were eight connected with the evening school. As seven of these were from the day school corps, the total number of different teachers employed by the department, December, 1911, was 133.

Table II.—School Census and Enrolment.

	1910	1911
No. of persons between 5 and 15 years of age residing in the City, September 1	4,094	4,204
No. of persons between 7 and 14 years of age residing in the City, September 1	2,925	2,974
No. of different pupils enroled in the school year ending June, exclusive of re-enrolment in the State	4,404	4,577
No. of pupils over 15 years of age enrolled during the school year ending June, exclusive of re-enrolment in the State	548	609
No. of pupils between 5 and 15 years of age enrolled during the school year ending June, exclusive of re-enrolment in the State	3,839	3,949
No. of pupils between 7 and 14 years of age enrolled during the school year ending June, exclusive of re-enrolment in the State	2,763	2,868
No. of pupils under 5 years of age enrolled during the school year ending June, exclusive of re-enrolment in the State	17	19

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TABLE III.—NUMBER OF PUPILS IN THE DIFFERENT GRADES, DECEMBER, 1911.

SCHOOLS.	Grade I.	Grade II.	Grade III.	Grade IV.	Grade V.	Grade VI.	Grade VII.	Grade VIII.	Grade IX.	HIGH SCHOOL.					Total
										Grade X	Grade XI.	Grade XII.	Grade XIII.	Post Grad.	
High	.....	.....	.....	.....	.....	.....	.....	.....	.....	257	172	142	110	1	682
Washington	.....	.....	.....	.....	74	49	72	66	.....	.....	.....	.....	.....	.....	261
Franklin	.....	.....	46	98	48	85	81	81	.....	.....	.....	.....	.....	.....	439
Everett	22	40	46	50	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	158
Swan	21	34	42	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	97
Osgood	7	5	11	12	6	14	.....	.....	.....	.....	.....	.....	.....	.....	55
James	28	44	39	56	27	28	.....	.....	.....	.....	.....	.....	.....	.....	222
Curtis	31	39	..-	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	70
Brooks	.....	.....	28	39	86	76	75	66	87	.....	.....	.....	.....	.....	457
Gleason	12	33	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	45
Hervey	31	39	30	43	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	143
Centre	.....	.....	.....	.....	.....	.....	.....	.....	174	.....	.....	.....	.....	.....	174
Lorin L. Dame	.....	.....	.....	70	78	73	82	77	.....	.....	.....	.....	.....	.....	380
Cradock	24	51	65	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	140
Hillside	18	46	44	40	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	148
Lincoln	.....	.....	.....	80	101	85	96	69	71	.....	.....	.....	.....	.....	502
Tufts	65	101	100	39	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	305
Total, Dec., 1911	259	432	451	527	420	410	406	359	332	257	172	142	110	1	4278
Total, Dec., 1910	479	443	499	420	419	443	405	367	281	239	170	123	72	1	4361
Total, Dec., 1909	513	494	390	424	454	420	413	308	298	240	141	85	85	1	4266

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Comment on Table III.

The totals in the foregoing table show that in December, 1911, there were enrolled in the schools 83 less pupils than in December, 1910. It might appear from these figures that the school population of the City is decreasing. Such is not the fact, however. The explanation is as follows. During the past year it was decided to reduce the elementary school course from nine to eight years in length. At the same time it was deemed wise to raise the age of admission to Grade I from five to six years. The new admission age went into effect with the opening of the schools in September, 1911. Necessarily the number of pupils eligible for Grade I at that time under the higher age requirement was considerably smaller than it would have been had the entrance age remained unchanged. As a matter of fact, the registration in Grade 1, December, 1911, was only about 50 per cent. of the normal number. Computation shows that, if there had been no change in the admission age, the total registration for the City in December, 1911, would have been practically 3½ per cent. larger than in December, 1910,—an increase larger by practically one per cent. than the average annual increase for the previous ten years.

A significant fact shown by a study of the foregoing table is that the enrolment during the past two years has increased much more rapidly in the upper grammar grades and in the high school than in the lower grades. This appears from the fact that while the gain in enrolment for the entire system is a little less than 5 per cent. during the period mentioned, the registration for Grades VII, VIII, and IX,—the three highest grammar school grades,—shows a gain of 7.6 per cent. and the registration for the high school grades shows a gain of 23.5 per cent.

It is my belief that one of the chief duties of those who administer our public schools is to do what they may to hold pupils in school as long as home conditions and the personal endeavors of the pupils justify; and special effort has been put forth to this end during my administration of the schools. The above results indicate that the effort has not been in vain.

Another indication that we are prolonging the school life of our pupils is the fact that the percentage of ninth grade

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graduates who enter the high school has been raised from 76 per cent. in 1909 to 81 per cent. in 1910 and to 86 per cent. in 1911. Obviously this rapid increase in the attendance upon the higher grades of our school system means increased expenditures for school expenses, but it means also an ultimate higher standard of citizenship for the community that vastly outweighs any increased financial burden that may be imposed thereby upon the City.

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TABLE IV.—AVERAGE AGE OF PUPILS IN THE RESPECTIVE GRADES, SEPTEMBER, 1911.

PRIMARY.				GRAMMAR.					HIGH.			
I.	II.	III.	IV.	V.	VI.	VII.	VIII.	IX.	X.	XI.	XII.	XIII.
yr. mo.	yr. mo.	yr. mo.	yr. mo.	yr. mo.	yr. mo.	yr. mo.	yr. mo.	yr. mo.	yr. mo.	yr. mo.	yr. mo.	yr. mo.
6-6	7-1	8-1	9-1	10-4	11-4	12-6	13-4	14-3	15-1	16-0	16-9	17-6

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Comment on Table IV.

With the exception of Grade I, in which the average has been advanced by raising the age of admission, there is practically no change over the averages for several years past.

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TABLE V.—SUMMARY OF PRINCIPALS' REPORTS FOR THE SCHOOL YEAR ENDING JUNE, 1911.

1.—By Schools.

SCHOOL	No. different pupils enrolled exclusive of re-enrolment in the City.	No. of Boys.	No. of Girls.	Average Membership.	Average Attendance.	Per Cent of Attendance	Cases of Corporal Punishment	No. of different Truants.	Half days of Truancy.	Cases of Tardiness.	Cases of Dismission.
High	640	306	334	581.4	550.3	94.65	.....	14	38	1127	830
Washington	332	165	167	287.7	272.2	94.65	1	8	9	384	256
Franklin	456	211	245	422.0	400.3	94.86	1	3	8	222	429
Everett	207	106	101	177.1	165.6	93.52	.....	3	4	140	54
Swan	141	71	70	131.3	120.3	91.65	1	.....	.....	174	52
Osgood	62	33	29	49.5	45.5	91.84	.....	.....	.....	195	55
James	251	124	127	209.2	193.9	92.65	1	7	11	360	146
Curtis	102	52	50	91.5	85.3	93.28	1	.....	.....	105	58
Brooks	471	227	244	441.6	413.2	93.58	4	4	5	828	519
Gleason	96	47	49	80.5	73.8	91.52	.....	2	17	177	76
Hervey	148	84	64	128.0	117.4	91.77	.....	.....	.....	372	50
Centre	148	72	76	135.6	126.7	93.42	.....	6	19	357	83
Lorin L. Dame	464	222	242	436.3	409.6	93.89	4	22	49	741	573
Cradock	198	92	106	179.9	164.3	91.30	.....	2	9	396	60
Hillside	172	89	83	153.9	141.4	91.25	.....	.....	.....	454	118
Lincoln	568	267	301	488.8	457.4	93.56	2	4	9	416	358
Tufts	339	187	152	271.3	250.7	92.42	.....	8	19	333	75
Totals	4795	2355	2440	4265.6	3987.9	93.51	15	83	197	6781	3792

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2.—BY GRADES.

GRADES.	No. different pupils enrolled exclusive of re-enrolment in the City.	No. of Boys.	No. of Girls.	Average Membership.	Average Attendance	Per Cent of Attendance.	Cases of Corporal Punishment.	Half days of Truancy.	Cases of Tardiness.	Cases of Dismission.
Grades XIII to X	640	306	334	581.4	550.3	94.65	0	38	1127	830
Grade IX	300	143	157	277.5	260.8	94.00	1	25	774	234
Grade VIII	396	182	214	358.0	337.3	94.18	1	21	389	418
Grade VII	435	208	227	395.3	372.3	94.18	1	22	423	349
Grade VI	477	226	251	429.6	402.3	93.64	7	20	390	446
Grade V	465	231	234	414.0	390.3	94.29	0	9	504	425
Grade IV	455	215	240	413.8	388.6	93.91	3	5	628	455
Grade III	541	271	270	487.9	456.7	93.59	0	14	549	299
Grade II	513	278	235	441.6	410.3	92.90	1	27	750	211
Grade I	573	295	278	466.5	419.0	89.82	1	16	1247	125
	4795	2355	2440	4265.6	3987.9	93.51	15	197	6781	3792

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Comment on Table V.

Several significant facts appear from a comparison of this table with a similar one for the previous year.

1. The average membership of the schools for the year was 106 larger for 1911 than for 1910,—a gain of 2.5 per cent; and the per cent. of daily attendance, 93.51, is a gain of .24 per cent. over the attendance for 1910. While the records show a slight gain in the regularity of attendance during the year, I am not satisfied with the result that we have been able to get in this direction. Regularity of attendance is fundamental to the best advancement of pupils in our schools and our teachers are laboring earnestly to eliminate unnecessary absences, but we shall be unable to secure the desired regularity until more parents get surcharged with the idea that, during the period of school attendance, school is the child's first business and that nothing short of absolute necessity should prevent a pupil from being present promptly and during the entire time that the schools are in session. As it is today, a large percentage of parents permit pupils to absent themselves from school, simply to gratify some impulse of the child or for the convenience of the parents. There would be more justification for such indifference if the individual child who is allowed to be irregular were the only one to suffer thereby. Unfortunately, as every teacher of experience knows, the work of an entire class is affected injuriously in such cases. Therefore parents ought to feel a double obligation to have the attendance of their children as regular as conditions will permit.

2. A second consideration is the record with respect to corporal punishment. I believe that respect for properly constituted authority is at the basis of decent citizenship. I believe, also, that any one who has the direction of the activities of young people and fails to do whatever he or she may to secure from them ready and complete obedience fails in a most important respect in their management. While, therefore, the underlying principle upon which the discipline of our schools is based is that it is the right of a child to be made to conduct himself as he should in his relations to the school, nevertheless a strong effort has been put forth during the past two years to accomplish the desired result with the minimum

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amount of corporal punishment. During the school year immediately preceding my election as your Superintendent of Schools, there were 159 cases of corporal punishment in the schools. During the year ending with June, 1910,—my first year of service,—we had 48 cases, and for the past year there have been 15 cases,—a decrease in two years of 90 per cent in this particular. The result of this decrease in corporal punishment has not been, as was feared by some, to weaken the discipline in the schools. On the contrary, the working atmosphere in the schools appears, on the whole, to have been improved. At first, as was to be expected, some of the teachers found it more difficult to maintain first-class discipline under the new order, and were inclined to be doubtful of the outcome; but there are few, if any, today, I think, who would care to go back to the condition when whipping prevailed to a much greater degree.

3. Another consideration suggested by a study of the above table is the matter of truancy. The evil effects of truancy upon the individual truant and upon the school with which he may be connected are too well understood to need comment.

An examination of the records of attendance soon after I took charge of your schools revealed an alarming amount of truancy. During the school year ending with June, 1909, for example, there were 402 half-days of truancy. Teachers, truant-officer and superintendent have labored together for the two past years to improve conditions in this respect, with the result that during the year ending with June, 1910, there were 317 half-days and during the past year the number was reduced to 197 half-days,—a reduction of 51 per cent. in two years in the amount of truancy in the schools.

4. I regret to report with respect to tardinesses and dismissions that the records show a condition that is quite unsatisfactory. In spite of the best efforts of the teachers thus far, it has seemed impossible to reduce the percentage in either of these items. Renewed effort is to be put forth during the coming year to impress parents with a deeper sense of their responsibility to see that their children are present at the appointed hour for opening the schools and remain until the hour of closing, except in cases that may be unavoidable. A

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child taught at home to regard school duties from the point of view suggested above is in the way of increased interest in his work and consequently of better results in his studies.

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TABLE VI.—STATISTICS OF CLASS PROMOTION.

June 30, 1911.

1 Denotes Promoted. 2 Denotes Not Promoted.

Grade	One		Two		Three		Four		Five		Six		Seven		Eight		Nine	
School.	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2
Washington	....	....	....	....	....	....	35	1	47	2	46	1	68	1	78	6	....	....
Franklin	....	....	....	....	38	6	42	1	70	9	89	20	77	15	43	4	....	....
Everett	41	7	41	2	47	....	38	1	....	....	....	....	....	....	....	....	....	....
Swan	38	7	42	2	50	....	....	....	....	....	....	....	....	....	....	....	....	....
Osgood	5	1	18	2	8	....	6	1	13	1	....	....	....	....	....	....	....	....
James	39	7	34	3	60	7	30	4	22	6	....	....	....	....	....	....	....	....
Curtis	39	14	46	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Brooks	....	....	....	....	....	....	78	4	76	7	67	3	64	5	79	2	62	2
Gleason	33	7	20	1	24	....	....	....	....	....	....	....	....	....	....	....	....	....
Hervey	39	7	38	3	45	3	....	....	....	....	....	....	....	....	....	....	....	....
Centre	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	114	13
Lorin L. Dame	....	....	....	....	....	....	40	8	58	13	78	11	69	7	65	8	71	6
Cradock	48	9	62	6	58	3	....	....	....	....	....	....	....	....	....	....	....	....
Hillside	43	....	38	1	36	2	35	....	....	....	....	....	....	....	....	....	....	....
Lincoln	....	....	....	....	37	1	93	2	77	12	95	15	77	9	65	4	....	....
Tufts	84	11	93	8	75	2	....	....	....	....	....	....	....	....	....	....	....	....
Totals	409	70	432	29	478	24	397	22	363	50	375	50	355	37	330	24	247	21
Per cent	85	15	94	6	95	5	95	5	87	12	90	10	91	9	93	7	92	8
Average age	6y 9m	6y 6m	7y 9m	7y 9m	8y 10m	9y	10y	10y 6m	11y	11y 7m	12y 4m	12y 8m	13y 3m	14y	14y 1m	14y 10m	14y 10m	15y 5m

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Comment on Table VI.

The average per cent. of pupils promoted, as indicated in this table, for the entire nine grades of the elementary schools is practically one per cent. less than in June, 1910. This is due principally to an increase in the requirements for promotion in the major subjects in Grades VII, VIII, and IX, which seemed necessary for the best good of the children in those grades.

In addition to the regular annual promotions indicated in the above table, 227 pupils have received promotion during the year as the result either of extra work done in the summer school, or of recognized fitness for advanced work.

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Table VII.

ANNUAL FINANCIAL EXHIBIT FOR 1911.

I. General Statement.

Receipts.

Original appropriation			$138,484 20
Supplementary appropriations:			
Teaching and Clerical Service	$700 00		
Books and Supplies	800 00		
Repairs	300 00		
Contingent	200 00		
Fuel	4,000 00		
		$6,000 00	
From the following sources:			
Tuition from Non-Residents	$30 00		
Tuition from State Wards	600 00		
Forfeited Evening School Deposits	59 27		
Insurance from Fire Damage at Everett School	273 00		
Recovered for Damage to Telephone at James School	2 00		
		$964 27	
Total available receipts			$145,448 47

Expenditures.

Salaries:		
Teachers, Superintendent and Clerk	$104,103 00	
Janitors, Engineer and Truant Officer	10,423 00	

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School Committee and Secretary	850 00		
Medical Inspector	200 00		
		$115,576 00	
Books and Supplies		8,299 11	
Fuel		12,000 00	
Repairs		3,147 92	
Contingent (Miscellaneous items not classified under the above headings, including $246.20 for water)		4,077 37	
Total for regular day schools			$143,100 40
Vacation School,			
Classes in Manual Work			270 00
Classes for Pupils who wish to gain a grade			448 03
Evening School			1,165 33
Total expenditures			$144,983 76
Unexpended balance			$464 71

2. Average Expenditure per Pupil for Regular Day Schools.

(Based on the average membership of the schools for fiscal year, 4,226.3).

For Teaching	$23 76
For Supervision (Superintendent and Clerk)	88
For Janitors, Engineer and Truant Officer	2 47
For School Committee and Secretary	20
For Books and Supplies	1 96
For Fuel	2 84
For Repairs	74
For Medical Inspection	05
For Contingent (Miscellaneous items not classified under the above headings, including water)	96
Total cost per pupil for day school purposes	$33 86

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3. Average Expenditure per Pupil for Evening School.

(Based on the average membership of the school for the 15 weeks of the fiscal year that the school was maintained, 78.09).

For Teaching	$9 90
For Janitors	1 18
For Lighting	2 81
For Books and Supplies	93
For Printing	11
	$14 93

Comment on Table VII.

The average expenditure per pupil in the average membership of the schools for 1911 for day school purposes, $33.86, is slightly larger than a similar average for 1910. This result is due principally to the following reasons:

1. The enrolment of the high school has increased nearly 13 per cent. during the past year and, since the cost of books and supplies and of instruction for a high school pupil is considerable more than for a pupil in the lower grades, it is obvious that a growth of 13 per cent. in the membership of the high school, calling as it did for considerable new equipment and for two additional teachers in the corps of that school, must tend to raise the per capita cost for the schools.

2. Again the expenditure for fuel for 1911 was relatively larger than the normal owing to the fact that a considerable amount of the money paid out in this line was for fuel consumed in the previous year.

3. A third item that helped to increase the per capita cost for the past year was a considerable expenditure (*a*) for typewriters to enlarge the facilities for office training in the high school; (*b*) for a necessary renewal and enlargement of the equipment for military drill at the same school; and (*c*) for necessary chairs and desks for the increased high school attendance, which had outgrown the original accommodations of the school.

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While there are other reasons that have contributed something to bring about the suggested increase in the per capita cost of the schools for the past year, the three mentioned are the principal ones.

In this connection, it may be interesting to note how the expenditure per pupil in Medford compares with a similar expenditure in other cities and for the State at large. Excluding, for the sake of a fairer comparison, expenditures for new buildings and permanent improvement in property, the average amount expended per pupil in the average membership of the schools for the 33 cities of the Commonwealth for the school year ending June, 1911, was $35.82. The expenditure in Medford for similar purposes for the past year was $34.22. That is to say the schools of Medford are costing the City $1.60 less per pupil per year for running expenses than the average cost for the entire 33 cities of the State. A similar comparison with the expenditure per pupil for the State at large shows that the average per capita cost for the past year for Medford is $1.11 less than that for all towns and cities grouped together. While this showing is gratifying as indicating that, relatively, Medford is not extravagant in the matter of school expenditure, it is at least an open question, I think, whether such a showing is altogether a matter of congratulation for the City. When one considers seriously the bearing of an efficient system of public education upon the material prosperity of a community, it is difficult to avoid the conclusion that the prime consideration with respect to our public schools is not that the school expenditure may be kept at the lowest endurable point, but rather that the expenditure upon the schools may be sufficiently liberal to ensure first-class results. To one who may be interested in this line of thought, I commend the reading of Ex-President Eliot's book "More Money for the Public Schools." In this connection, it may be well to note the following quotation from Dr. Ely, Professor of Political Science in the University of Wisconsin: "I was educated largely at public schools, and it is doubtful whether I should have been able to finish my school education had not the schools been supported by taxes, for, when schools are supported by fees, the fees must be high in order to defray expenses, if the schools are of superior quality.

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"My educational advantages have been of pecuniary value to me, while the personal satisfaction which I have derived from them is to me beyond price. I have become a tax-payer, and, with no children of my own at public schools, I am helping to educate other men's children. If, in the course of my life, I pay in taxes for schools twenty times what I have received from taxes levied for my education, I shall nevertheless think I have been well repaid, and shall always experience a feeling of profound gratitude for those who established the American public school system. While I individually gain, the community also gains, because it receives back more than it has paid out. This holds generally with regard to wise expenditures for educational purposes. The chief factor in production is man, and the better he is prepared for industrial pursuits by suitable training of head and hand, the larger will be the quantity of economic goods produced, and the more rapid the accumulation of wealth. A present burden may lessen future rates of taxation by increasing the taxable basis of a State or City."

THE HIGH SCHOOL.

Attendance.—The number of different pupils registered in this school in December, 1908, was 496; in December, 1909, 553; in December, 1910, 605, and in December, 1911, 682. These figures show a gain of 37½ per cent. during the past three years in the number of pupils attending the high school. This rate of increase is twelve times as large as the rate of increase in the elementary schools for the same period. This phenomenal growth in high school attendance is due largely, I think, to the following causes:

1. Unfortunately for several years prior to and including the school year ending with June, 1909, there had been growing in the community a lack of confidence in the efficiency of the high school. It seems certain that this sentiment has tended to prevent the membership of the school from increasing as rapidly as otherwise it might. During the past two and one-half years special effort has been put forth to reestablish this lost confidence. While it has been impossible

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with conditions as they have existed with respect to the organization of the teaching corps of the school to accomplish fully the desired result, I feel certain that the effort in this direction has had an effect not only to increase the per cent. of pupils entering the school from the lower grades during the past two years, but also to strengthen the desire of many to continue in the school longer after entering.

2. A second cause that, in my judgment, has contributed to this rapid growth in high school attendance is the revision of the curriculum of study, which went into effect, September, 1910. As indicated in a discussion of the revision in my report for 1910, pp. 40-42, this change was calculated to correct certain faults of the former curriculum, and to offer larger opportunity for those who enter upon high school work with little or no expectation of carrying their training beyond that school, *i.e.*, for the majority of our pupils.

3. A third element that has tended to increase the percentage of pupils in the membership of the high school is the special effort put forth during the past two years to impress pupils and parents with the value of increased educational training and to stimulate in pupils the ambition to continue in school as long as home conditions will permit. In various ways, both individually and through organized effort, teachers, principals and superintendent have labored to this end, and, as a result, the per cent. of the ninth grade pupils who have gone on to the high school has risen, as I have indicated previously in this report, from 76 per cent. in 1909 to 86 per cent. in 1911.

Every indication at the present time points to an attendance in this school of not less than 750 pupils in September next. With a registration at present of 680 pupils, the school is so congested that work is being carried on at considerable disadvantage; and, if the expected attendance in September is realized, it seems probable that it will be necessary to run the school during the coming year on the double-session plan with one section of the pupils in attendance in the morning and the other in the afternoon.

The Class of 1911.—Sixty-six pupils were graduated from the school in June, 1911, of whom 54½ per cent. were boys.

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Twenty-six, or 39 per cent. of the class, are taking advanced courses of study in other institutions as follows:—5, at Tufts College; 4, at Massachusetts Institute of Technology; 2, at Harvard University; 2, at Wellesley College; 2, at Radcliffe College; 2, at Jackson College; 1, at Columbia University; 1, at Boston University; 1, at Dartmouth College; 2, at Salem Normal School; 2, at Framingham Normal School; 2, at Bridgewater Normal School.

When I began my work in Medford, I found a considerable opinion throughout the community to the effect that the high school was not giving pupils adequate training in preparation for college. Without doubt this opinion was the result, to a considerable degree, of failure on the part of the public to understand the causes which made it unreasonable, in some cases, to expect that the pupil either could be certified for college or would be able to pass successfully the college entrance examinations. Nevertheless, it is also quite possible, I think, that, in some cases, greater vigilance on the part of the school administration in seeking out and ministering to the needs of the individual pupil might have saved failure. To the extent that this may be true the school has failed of its full duty.

During the past two years earnest attention has been given to remedy whatever defect may have existed in this respect and the following results from the college entrance examinations taken by pupils of the school in June, 1911, indicate that, so far as the work of preparing pupils for college is concerned, the school merits at the present time the complete confidence of our citizens.

The results from the college entrance examinations for June, 1911, as given me by the Principal of the High School are as follows:—Eight pupils went up for the Harvard entrance examinations. Four of these pupils took the final, and four the preliminary examinations. Thirty-five different examinations were taken with a failure in only one subject and with twelve honors,—five in Algebra, three in Geometry, two in French, one in Latin and one in Chemistry. Four pupils took examinations for Radcliffe College. Three of the number took the final and one the preliminary examination. Seven-

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teen different examinations were taken with failure in only two subjects and with seven honors,—three in Geometry, two in Algebra, one in Latin, and one in Greek. It is to be noted that the failure of two subjects was made by one of the best prepared pupils in the class, and was due solely to the fact that the pupil was physically incapacitated for the examination at the time. Five pupils took examinations for the Institute of Technology with the result that all were admitted, conditions being imposed in only three subjects,—one in Algebra, one in Geometry and one in English.

In view of the foregoing record and of the fact that the above institutions are among the most difficult for which schools have to prepare pupils, it is fair to conclude, I think, that, if a pupil goes through a complete course of college preparation in the Medford High School at the present time and fails to receive full certification for college or to pass in his entrance examinations, the cause must be sought elsewhere than in the training given by the school.

Opportunities for Physical Development.—Military drill, under the direction of a competent instructor, continues to be maintained in the school. Diploma credit amounting to a half point annually is offered for this work, and 86 per cent. of the boys are enrolled in the school battalion and are receiving valuable training thereby. The annual "Officers' Party" of the battalion in February, the prize drill and dance in May, and the annual field day in June, all reflected credit upon the battalion.

Systematic gymnastic training under the direction of a special instructor is provided for such girls as wish it. The same amount of diploma credit is given girls for this work as is given boys for the military drill, and 80 per cent. of the girls of the school are taking advantage of this training. During the month of April a competitive room drill was given in Assembly Hall of the High School and in May an exhibition of the character of the training given was held in the Armory. Both exhibitions were largely attended and demonstrated that excellent results are being secured in this line.

The competitive sports of the school for the past year have been successful not only from the point of view of champion-

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ships won from competing schools in baseball, football and hockey, but also because they have been conducted upon a basis that has reflected credit both upon the school and upon the members of the various teams. While much credit is due our teacher-coach, Mr. Ralph Kendall, for the results secured in winning games, I believe the most valuable part of the service he has rendered us in his capacity as coach is in the splendid spirit of sportsmanship that he has developed in the players. Organized sports are a valuable feature in school life if properly carried on and, as such sports are conducted today in the Medford High School, I believe they contribute not only to the better physical development of the participants, but also to their better mental and moral development.

General Literary and Musical Items.—In addition to the regular instruction given pupils through the scheduled studies of the curriculum, considerable opportunity for development in literary and musical lines is afforded by the publication by the pupils of a school paper, by a school orchestra under the leadership of the Sub-Master of the school, Mr. Frank S. Gilkey, by two glee clubs, one of boys and the other of girls, under the direction of Mr. Edward N. Griffin, the Head Director of music in the schools, and by a debating organization for the boys, known as the High School Congress. All of these organizations are desirable factors in the life of the school.

Cost of the School.—The following tabulation shows in itemized form the total expenditure and the per capita cost for this school for the financial year ending December 31, 1911:

1. Total Expenditure.

Items.	Amount Expended.	Per cent. of expend. for all schools
Salaries (teachers, janitors, engineer, clerk)	$26,630 59	24.2
Books and supplies	2,837 89	34.2
Fuel	1,785 11	14.9
Sundries	1,078 24	26.4
Repairs and permanent improvements	452 16	14.4
Total	$32,783 96	23.9

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2. Per Capita Expenditure.

(Based on average membership for the financial year, 609.8)

Items.	Expenditure per pupil.
Salaries (teachers, janitors, engineer, clerk)	$43 67
Books and supplies	4 65
Fuel	2 93
Sundries	1 76
Repairs and permanent improvements	74
Total	$53 75

Reorganization of Teaching Corps and Changes in Salary Schedule.

In accordance with a report submitted by a special committee selected to consider the question of a changed form of organization for the High School teaching staff and of a higher salary schedule, the School Committee recently adopted the following form of organization and maximum salary schedule for the school to be put into effect with the opening of the schools in September.

Form of organization		Salary maximum
Principal		No fixed maximum
Sub-master		$1,800.00
Junior Sub-master		1,500.00
Heads of Departments	Men	1,600.00
	Women	1,000.00
Assistant Teachers	Men	1,500.00
	Women	900.00

The departments of study as arranged under present conditions and the teachers designated to have charge of them are as follows:

English ..... Grace Phemister
Ancient Languages ..... Frank S. Gilkey

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Modern Foreign Languages.....Sara A. Clapp
Physical Science and Mathematics.....Percy S. Brayton
Chemistry and Household Science.....Laura P. Patten
Commercial Studies.....Richard F. Aust
History.....No assignment at present

The present Sub-master, Mr. Gilkey, will hold the same position under the new plan, and Miss Clapp has been designated as Junior Sub-master.

The special points to note with respect to the new arrangement are (1) that it abolishes the grade masters, thereby centralizing the administrative responsibility of the school to a greater degree than under the old plan; (2) that it provides officially for heads of departments of study to act as advisors with respect to the work in their respective departments, and (3) that it raises the maximum salary in the majority of positions from $100 to $300.

At the same time that the foregoing plan was adopted, Principal Leonard J. Manning, who had been the administrative head of the High School since the decease of Mr. Dame in January, 1903, submitted a request to be relieved from the responsibilities of the principalship of the school at the close of the present school year and to be transferred to a subordinate position in the school. The request was unanimously granted and he was given the position of Principal Emeritus at a salary of $1,800.

In view of the congested condition of the High School that will confront us in the fall and the contemplated enlargement of the school plant, the selection of a successor to Mr. Manning imposes an unusually heavy responsibility upon all those who are involved in making the choice. No member of the Committee can feel the burden of this responsibility more keenly than the Superintendent.

Matters In General.

Changes in Teaching Staff.—The resignations and appointments during the year are indicated in the following tabulation.

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RESIGNATIONS.

Name.	Position Held.	Month of Withdrawal.
Henry E. Scott,	High School, History,	June
McGuire A. Conner,	High School, Business,	June
Mabel H. Benner,	High School, English,	June
Selma C. Moller,	High School, Latin,	June
Harry B. Preston,	High School, History,	December.
Marion D. Ellis,	Franklin School, Grade VII,	June
Katherine M. Clark,	James School, Grade III,	June
Marian W. Berry,	Brooks School, Grade IX,	June
Grace J. Garvin,	Centre School, Grade IX,	June
Alice C. Poole,	Centre School, Grade IX,	December
Kathleen J. Webber,	Principal's Assistant, L. L. Dame and Franklin,	April
Elizabeth C. Berry,	L. L. Dame School, Grade VIII,	June
Mabel C. Lund,	L. L. Dame School, Grade VI,	June
Elizabeth B. Emmons,	L. L. Dame School, Grade V,	December
Inez H. Libbey,	Tufts School, Grade II,	April
Charles E. Boyd,	Music,	June
Marion L. Peabody,	Music Assistant,	June
Laura M. Marceau,	Drawing Assistant,	June
Mary M. Lake,	Domestic Science,	June
Cora L. Russell,	Sewing,	November

APPOINTMENTS.

Name.	Position Held	Month of Withdrawal.
Harry B. Preston,	High School, History,	September
Richard F. Aust,	High School, Business,	September
Frances A. Perry,	High School, Assistant,	September
Esther E. Ladd,	High School, Assistant,	September
Myrtle Young,	High School, Assistant,	September
Martha C. Bennett,	High School, Assistant,	September
Grace D. Bradley,	Franklin School, Grade VIII,	September
Nilla G. Clinton,	James School, Grade IV,	September
Clifton W. M. Blanchard,	Brooks School, Principal,	September
Kathleen V. O'Hara,	Hervey School Grade I,	September
Alice C. Poole,	Centre School, Grade IX,	September
Linna M. Ferrer,	L. L. Dame School, Grade VIII,	April
Harriett B. Garritt,	L. L. Dame School, Grade V,	September
Grace Titcomb,	L. L. Dame School, Grade IV,	September
Alma A. Thomas,	Lincoln School, Grade V,	September
Edward N. Griffin,	Music,	September
Mildred S. Jones,	Music Assistant,	September
Ernestine Y. Cox,	Domestic Science,	September
Elma M. Soderquist,	Sewing,	November
Edgar R. Breed,	Manual Training Assistant,	January
Flora L. Enright,	Drawing Assistant,	September

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Comment.

Of the indicated resignations, six were for the purpose of accepting positions elsewhere that seemed to the teachers more desirable, either from the nature of the position itself, or from the salary offered; six were due to contemplated marriage; four were for the good of the service; two were due to poor health, and one was to enable the teacher to take an advanced course of study.

In addition to the changes indicated in the above tabulation, Myrtie E. Nute, for several years a teacher in Natick and Quincy, was appointed in September as a substitute teacher in the High School in place of Geraldine Burr, who had been granted leave of absence for study; and Mrs. Sara K. Ordway, a former Medford teacher, was appointed acting-principal of the Osgood School in place of Laura D. Ward, who had been transferred to a position in the Lorin L. Dame School.

A most important change in the teaching staff was occasioned by a request from Principal Lewis F. Hobbs to be relieved of the executive responsibility of the principalship of the Brooks School at the close of the school year in June and to be transferred to a position as instructor of grade nine in the same school. Mr. Hobbs had served Medford for thirty-five years as principal of the Brooks School, not only in a manner to win the admiration of all who had been fortunate enough to have been under his instruction, but also in a manner to affect profoundly the welfare of the community for the better; and the task of selecting his successor was not an easy one. After careful consideration of a large number of applicants, Mr. Clifton W. M. Blanchard, a graduate of Bridgewater Normal School, and a man of wide and successful experience as a principal of grammar schools, was appointed. Mr. Blanchard's administration of the school thus far has demonstrated that the appointment was a wise one.

Changes in Text Books.—In my report for 1910, I noted that, in accordance with the authorization of the Committee, all First Grades and a few Second Grades had been equipped with the Aldine Readers, as the basal text in teaching reading in those grades; that the Milne Progressive Arithmetic had been placed in Grades IV, VIII and IX; that a beginning had

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been made toward the equipment of Grades V, VI, VII and VIII, with Frye's Geography, and that the Bailey-Manley spelling book had been provided for Grades II to VI inclusive. These steps had been taken as the beginning of a policy to systematize the text-books authorized for use in the schools, to the end that the work of the schools might be more efficient. The several changes that had been begun, as indicated, have been practically completed during the past year, and in addition Longman's English Grammar has been provided for Grades VIII and IX in place of the Dunton and Kelley Grammar that had been formerly used.

For some time committees of teachers have been working with me upon a revision of the courses in Reading and History and I expect, when this revision is ready, to present for your consideration a recommendation for the adoption of more or less new reading material in the several grades and a text-book in history better suited to pupils in the grammar grades than the book now used.

While a few minor changes have been authorized with respect to texts used in the High School, the above mentioned changes constitute the principal part of what has been done during the year in this line.

Repairs upon School Property.—The Committee on Buildings has done commendable work during the year to keep our school property from deterioration in condition, but on account of an insufficient appropriation many needed repairs have necessarily been left undone. The amount of money at the disposal of the Committee during the year for repairs was less than one-half of one per cent. on the valuation of the school buildings alone. One who is at all familiar with the care of buildings knows that it is impossible to keep them in proper repair at so small a per cent. of their valuation. I have spoken thus in order that the Committee on Buildings may not be blamed for omitting to do work that ought to have been done and that the Committee would gladly have had done if the money at its disposal had been sufficient.

Evening School.—While the plan of work for this school for the past year has remained essentially the same as for the previous year, there has been an improvement both in the general

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character of the membership and in the quality of the work done. Two things have contributed to this improvement, (1) the fact that, with the exception of those who are compelled to attend by law, every person who presents himself for registration in the evening school at the present time is required to deposit fifty cents, as a guarantee of his purpose to attend regularly, to be returned at the end of the term if attendance has been reasonably satisfactory, and (2) the fact that it has become known that no person will be permitted to remain a member of the school unless his work and conduct demonstrate that his purpose in registering is a serious one.

As a result of the rigid enforcement of these principles, few pupils register at present who do not intend to do work that is really worth while.

The average membership of the school for the fall term of 1911 was 98, a number three greater than the average membership for the corresponding period of 1910.

The lines of work carried on and the corps of teachers for the winter term of 1911 remained as indicated for the fall term of 1910.

The arrangement for the past fall term was as follows:

Subjects	Instructors.
Penmanship	Clifton W. M. Blanchard, Principal
Book-keeping	Richard F. Aust
Stenography	Annie I. Letson
Typewriting	Celia A. McCarthy
Civil Service and Commercial Arithmetic	Harold E. Jackman
Grammar School Subjects and Commercial Arithmetic	Nilla G. Clinton
Drawing	Josephine Kintz
Elementary and Non-English Speaking Classes	Laura D. Ward

With a slightly increased appropriation for 1912, I hope that it may be possible to offer something more in the way of manual or semi-vocational work in this school during the coming fall.

Summer School Work.—During five weeks of the summer vacation, a school for training in manual lines was maintained under the principalship of Miss Flora E. Hinman. With the

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exception of the bench work for the older boys which was given at the manual training room at the Centre School building, the training in the school was given at the Cradock School building. The character and scope of the work done are indicated in the following report by the principal:

Mr. F. H. Nickerson, Superintendent of Schools, Medford, Mass.

Dear Sir:—The seventh season of the Medford Vacation School held in the Cradock and Centre School buildings began July 10, and closed August 11. Faithful and conscientious work was done by both teachers and pupils.

Regardless of the fact that the thermometer registered nearly 100 degrees in the shade some of the time, the attendance was better than for any previous year,—the total number enrolled being 222,—the average membership, 152.32, and the per cent. of attendance, 84.75.

The work of the school was conducted along lines similar to those of the preceding year.

Miss Jane Bogrette, a junior at Salem Normal School, had charge of the children from four to six years of age; and the match-scratchers, stamp-holders, candle shades, veil-cases, blotters, scissors-cases, picture frames, etc., which were made by those pupils, showed that the little fingers had been busy in making useful as well as pretty articles.

The children between the ages of six and ten years were under the charge of Miss Helen Lane, a graduate of Boston Normal Art School, and the work accomplished was a credit to both teacher and pupils. It consisted of advanced card-board construction work and paper-folding, with some raffia work.

The girls from ten to thirteen years of age were under the supervision of the Principal, assisted by Miss Gertrude P. Desmond, a regular teacher in the Lincoln School. A peep into this room at any time during the five weeks would have revealed the girls busily and happily sewing, in spite of the fact that the extreme hot weather made the needles sticky, and handicapped them in their work. Eight of the girls made dresses for themselves, five made kimonos, and five made nightgowns. Other useful and pretty articles completed during the term were dust-caps, tea-aprons, tie-holders, dust-

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bags, handkerchiefs, hair bands, bow-ties, candle-shades, etc.

Mr. Fred W. Nichols, a graduate of Boston Normal Art School, had charge of the boys from nine to twelve years of age, and accomplished a great deal of work.

Some of the boys were so interested in what they were making that they begged to "come early," and to "stay after."

The boys from twelve to fifteen years of age, under the supervision of Mr. Edgar Breed, Assistant Supervisor of Sloyd in our public schools, met for work in the Manual Training room at the Centre School building, as in previous years. Although the number enrolled was small, the average attendance was good, and excellent work was done.

On Thursday afternoon, August 10th, at two o'clock, the Cradock School building was thrown open to the public, and a hearty invitation was given to the parents and friends of the pupils to come and inspect the work accomplished. About three hundred in all availed themselves of this opportunity of encouraging both pupils and teachers. In previous years, the Exhibition has been held in the Kindergarten room, on the first floor, but this year, for the first time, each room held its own Exhibition, being prettily decorated for the occasion. A feature of the afternoon was singing in the corridor by a chorus of forty children.

In closing, I should like to say a word of appreciation for the kindly interest manifested by our efficient chairman of the Vacation School, Mrs. Clara T. Guild, who has worked unceasingly for the good of the school; also for the help and encouragement received from our able Superintendent, Mr. F. H. Nickerson, and other members of the School Committee.

Although a comparatively large work has been done this past summer with the limited means at the disposal of the School Committee, yet a much larger and better work might be accomplished with a larger appropriation of funds.

Respectfully submitted,

FLORA E. HINMAN,
Principal of Vacation School.

During six weeks of the summer vacation, instruction in regular academic studies was given at the Centre and High

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School buildings. The work offered at the Centre School was for pupils in Grades V to IX inclusive, and the work at the High School was for High School pupils. The object in offering work of this character during the long vacation is to afford pupils, who may desire it, the opportunity (1) to gain lost promotion, (2) to remove handicapping conditions, or (3) to secure additional promotion beyond what they might have received regularly at the end of the school year.

Mr. Clifton W. M. Blanchard, Principal of the Brooks School, assisted by Mary E. Gorman, Bertha R. Davis, Alice J. Kennedy, Ruth M. Gow, and Kathleen O'Hara, had charge of this work at the Centre School.

The work for High School pupils was in charge of Miss Amy D. Segitz and Mr. John W. Cosgrove, Jr.

The school opened July 10 and closed August 18. Sessions were held every week-day, excepting Saturday, from 8.30 to 11.30 a.m. The attendance at the school was wholly voluntary and pupils were required to take only such studies as their special needs demanded. Two hundred and forty-nine pupils presented themselves on the opening day. Two hundred and nineteen were enrolled, and thirty turned away for lack of accommodations. Of the 219 enrolled, 197 were pupils in the elementary grades, and 22 were High School pupils who had failed to secure passing credits in one or more subjects. The average membership for the entire six weeks was 206, and the rate of attendance was 93 per cent., a significant fact when one considers the extremely warm weather of the past summer.

Of the 197 elementary grade pupils, 108 gained the promotion that they had failed to secure in June; 69 worked off handicapping conditions with which they had been advanced in June; 6 skipped a grade; 2 failed to gain the promotion for which they tried, and 12 dropped out during the term.

Of the 22 pupils registered in the High School division, all were successful in passing off their deficiencies and gaining their promotion credits with the exception of one pupil, who had two subjects to work up and failed in one.

The following quotation from the Principal's report indicates that the work of the school was broader than simply the instruction of pupils in special subjects of study:

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"Friday afternoon excursions to various points of interest proved a pleasing and profitable feature of the school. The places visited in this way were the Barnum Museum at Tufts College, Bear Hill Observatory, the Zoo in the Fells, and the Navy Yard in Charlestown."

The results accomplished through this school mean not only a considerable financial saving to the City, but also great educational benefit to the pupils who attended, for, as I suggested with respect to a similar school for 1910, "The maintenance of the school means (1) that some of those who attended will secure thereby an added year's training in the schools, (2) that others will be able to get out to their life work a year earlier, and (3) that all have gone back to their school tasks with greater self-respect, higher ambition, and increased capacity to profit by the teaching of the present year."

I do not advocate the summer school for academic work as a *panacea* for the ills of our graded system of school work, but I believe that it provides *one good means* by which we may serve more fully the needs of the pupils in the schools. Therefore, I trust that such a school may be a permanent part of our public school system.

Medical Inspection.—In this connection, I wish to express my appreciation for the service that Dr. Sise is rendering the City as Medical Inspector in our schools. The major part of his service in this direction is truly philanthropic, for the nominal sum that he receives for this work is far from being an adequate compensation for the time and energy that he expends in it.

The character and scope of this service is suggested by an examination of his annual report which follows:

Mr. F. H. Nickerson, Superintendent of Schools:

Dear Sir:—I herewith submit my report for the year 1911.

Diseases found in the schools:

Scarlet fever	1
Measles	2
Rubella	4
Chicken-pox	4

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Whooping Cough	4
Tuberculosis	10
Inherited syphilis	1
Scabies	2
Impetigo	22
Ring Worm	13
Conjunctivitis	17
Pediculosis	80
"Colds"	55
Suppurative Ear Disease	5
Non-Suppurative Ear Disease	22
Adenoids	92
Enlarged Tonsils	46
Glands in Neck	14
Defective Vision	81
Nervous Disease	24
Mentally Defective	3
Malnutrition	17
Other diseases (32)	172
Total	691
No Disease Found	275
Second Examination	76
Vaccination Scar Found	659
No Vaccination Scar Found	157
Vaccinated	3
Examined for Permit to Work	5
Examined for Permit to take Athletics	84
Total	1,950
Counted twice	86
Total number of Examinations	1,864
Pupils sent home	39
Visits to homes	46

Adenoids take the lead with 92 cases, defective vision is second with 81, and pediculosis is third with 80 cases. The

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examinations for vaccination scars are less than last year because of the smaller number of new pupils in Grade I, due to the six-year age limit. Out of the 22 cases of impetigo, 15 occurred in the Lincoln and Tufts schools during October and November. Of the 17 cases of malnutrition it is probable that a number are in reality latent or concealed cases of tuberculosis, though most are probably due to improper feeding and general conditions.

It is hoped that in the above list the figures for most of the principal contagious troubles, which would include all up to "conjunctivitis", approximate closely the actual number in the schools. But the remaining figures are probably not of much practical value as indicating the incidence of these diseases among the pupils. The chief reason for this is that no routine examination of all pupils can be made; only those can be examined who are referred to the physician by the teacher. The effect of this on the finding of chronic conditions is seen in the examination which was made of all throats in a room of 39 pupils at the time of a slight diphtheria scare. Four cases of greatly enlarged tonsils, and 5 cases moderately enlarged, were found, none of which had been previously recognized. Then of course it is perfectly evident that there were more than 55 cases of "colds" during the year. The balance, not seen by the physician, were so mild that the child was not referred to him, or so severe that the child did not get even so far as the school. Under defective vision different factors come into play. Sufficient defect of vision to render the wearing of glasses advisable has been generally found to exist in about 25 per cent. of all school children, which should give for Medford, about 1,000 cases, whereas this report shows but 81. The reason of this is twofold. In the first place, where the child already wears glasses, the vision tests are made with these on, so that the test may be recorded as perfect (because of the glasses) even where the uncorrected eye is imperfect. In the second place the routine test of vision is made by the teachers, and only those cases go to the physician in which there is something out of the usual. In some few diseases, like adenoids, for instance, in which symptoms are fairly evident and where the teachers are on the

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look-out for these sympotms it is possible that the number of cases recorded gives a rough indication of the actual incidence. But for the most of these diseases it is evident that the above figures are not of much practical value as statistics indicating their incidence among the pupils.

There have been scattering cases of contagious disease through the year; but, although there were a good many cases of measles last May, there has been nothing of such epidemic proportions as the scarlet fever and measles of the spring of 1910. On the whole the year has been a good one from the standpoint of contagious disease.

LINCOLN F. SISE,
School Physician.

Stamp Savings.—The practical work of training children in the habit of thrift through a system of stamp savings that was introduced into the schools in January, 1910, has been continued during the past year. We are greatly assisted in our efforts in this direction by the continued co-operation of the Medford Savings Bank, the Medford Women's Club, and the Mothers' Club of Medford Hillside.

No one who senses the broad purpose for which education at public expense is maintained can doubt, it seems to me, that such work has fully as much social value for pupils as much of that which goes to make up the traditional work of the schools. The editor of the Educator-Journal in discussing the character of the work of the American public school says: "The young American needs habits of thrift as much as he needs the fundamentals of knowledge. It is a great mistake to suppose that the child who merely knows how to read, write, and cipher is equipped for life. He may know all these things and in addition be honest, conscientious, courteous, unselfish, obedient and careful of the rights of others and still be utterly worthless as a citizen. If he does not know how to take proper care of the material things that come into his possession, he will soon join the great crowd of unfortunates who constantly drain the resources of their more frugal brethren."

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Possibly one might wish to qualify the above statement a bit, but the idea that he sets forth with respect to the training of young people is fundamentally correct; and a school system that fails to do what it may in training boys and girls in this direction fails of its duty, in my judgment, in an important particular.

The results from the Stamp Savings work in our schools thus far have exceeded my expectation. At the present time 1,680 pupils are depositors in the system and practically $6,000 have been deposited during the year ending January 1, 1912.

Eight-year Elementary Course.—Perhaps the most significant single step that has been taken by the School Department during the past year is the adoption of an eight-year elementary school course, accompanied by a plan of semi-annual promotions. This plan of administration went into effect in part with the opening of the present school year. Obviously any marked curtailment of the work of pupils in grades VIII and IX at the present time in order to shorten the period of their elementary school training would leave them improperly prepared for High School work. Therefore, in making the transition to the eight-year basis, the first six grades have been set at work on a regular eight-year program, the eighth and ninth grade pupils for the greater part have been left to continue their work along the lines of the old nine-year program, and the work of the seventh grade has been rearranged to the end that the intellectually quicker section of the grade might complete its course in eight and one-half years, while the slower section might have nine years for the work.

While the foregoing statement outlines the general plan of transition to the eight-year basis, it is the purpose to make such modification with respect to individual pupils, or groups of pupils, as we may be able to make to serve their best interests. For example, it has been found possible to start a special class at the Franklin School made up of about 30 pupils from the four eighth grades of the Franklin and Washington Schools who are judged capable of doing work considerably in advance of the regular eighth grade work. The purpose in forming this class was to fit these pupils for the

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High School in September, and it is the opinion of the teachers who have to do with them that in the majority of cases, at least, this will be possible. In other schools of the City more or less work of this character is being done in individual cases to enable pupils to shorten the length of the regular elementary school period.

It is the general opinion of educators that the best interests of young people demand a greater degree of flexibility in our school systems than has been characteristic of the past. The plan of semi-annual class promotions which was adopted, as I have suggested, in connection with the adoption of the eight-year elementary course, is a step toward greater flexibility. By making the interval between successive classes five instead of ten months, it is obviously easier for the quick child to gain ground in his progress through the schools, while, on the other hand, the child who for any cause may fail of promotion at the regular time loses only half the time that he would if the plan of annual promotion were in force. Consequently, it is a much easier matter for a non-promoted child to regain lost standing under the present plan.

The adoption of an eight-year course for our elementary schools is in harmony with the practice in the majority of the larger cities throughout the country and with a rapidly growing belief that, by proper arrangement of courses of study and intelligent administration, pupils may secure from their school training in the lower schools essentially as much in eight years as they have heretofore in nine years.

Special Subjects.—Under this heading is included matter pertaining to work in drawing, music, sewing, cooking, woodworking, physical training and penmanship.

1. *Drawing.*—The work of this department is supervised by Miss Josephine Kintz, assisted by Miss Flora L. Enright. Miss Kintz, who has had immediate charge of the work in the High School and Grades VIII and IX, has served the City for practically nine years. Miss Enright, who directs the work in Grades I to VII inclusive, began her work in Medford at the opening of the present school year, and the thorough preparation and enthusiasm for her work that she has displayed are gratifying. Some good results are being secured in this line of

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work in the schools, but it has seemed to me that more might be done, if the plan of work for the several grades were systematized and made definite to a greater degree than has been the case in the past. Some headway in this direction has been made during the present school year, and I trust that, by the opening of the next school year, carefully prepared outlines of work for each grade may be ready for the teachers. Only by having the work mapped out in this way is it possible for teachers to work intelligently and to avoid an unnecessary amount of educational waste.

2. *Music.* At the opening of the school year in September, two new supervisors took charge of the work in this department. Mr. Edward N. Griffin has charge of the work in the High School and in the seventh, eighth and ninth grades, and Miss Mildred S. Jones directs the work in Grades I to VI inclusive. Both have had wide and successful experience in charge of public school music and their work for us thus far has been satisfactory.

This department of work, also, has been characterized in the past by a degree of indefiniteness in plan that has operated to prevent the best progress of pupils. Both supervisors are entirely in harmony with my thought in this direction and have already begun to systematize and define the work more fully for the several grades. A few extracts from a recent report that they submitted to me will indicate the direction in which they are moving in their work. They say in part,—

"Special attention to intonation is being given in all grades and the first endeavors of the teachers have been directed toward the use of head tones instead of chest tones, a system of scale and drill singing having been introduced.

"More is to be expected of first grade children and a definite outline of dictation and board representation has been put into the lower grades.....

"A new departure in the middle grades has been the systematic exchange of parts in singing. This tends to overcome the harshness resulting from singing entirely in the low register by young singers, and to produce sweeter and more flexible voices, better readers and more independent singers.

"Chromatic drills in fourth and fifth grades and minor drill in grade six are now being given as thoroughly as possible.

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"In the upper grades special attention has been given to tone production and marked improvement has resulted."

Mr. Griffin visits each seventh, eighth and ninth grade once in two weeks and the High School every Tuesday, and Miss Jones visits each of the first six grades once in three weeks.

3. *Wood-working for Boys.*—The work in this department remains in charge of Mr. Joseph T. Whitney, assisted by Mr. Edgar R. Breed, who began work with us January, 1910.

Five hundred boys in Grades VII, VIII, and IX are taking wood-working instruction. The pupils in each grade are given one lesson per week, the length of the lesson for Grade VII being one and one-quarter hours and for Grades VIII and IX one and one-half hours.

Previous to the present year, pupils from all parts of the City took their training in this line at the Centre School on High street. During the Christmas vacation a new manual training room was opened at the Washington School and another at the Lorin L. Dame School. Since the opening of these rooms, pupils in Grades VII and VIII in the Franklin and Washington Schools are being instructed at the Washington School, and those in Grades VII and VIII in the Lincoln and Lorin L. Dame Schools are taking their work at the latter school. The ninth grade pupils of the entire City and the seventh and eighth grade pupils of the Brooks School continue to receive their instruction at the Centre School building. The above change prevents a large waste of time that results from traveling to and from one central building and is a step ahead in the administration of this work. As soon as the ninth grades have disappeared from the system, it is planned to open another manual training room at the Brooks School and thus save the time now lost by pupils of this school in traveling to the Centre School each week for their work.

A slight change has been made during the past year in the character of the work done in this line, the nature of which is indicated in the following quotations from Mr. Whitney's report to me. He says in part:

"The work for this year has been along the line of *project work*, with the Larsson system of models as a background.

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"In the seventh grade, as soon as the pupils have become proficient enough to warrant, they have been asked to submit designs and sketches of some piece of work that they desire to make. In making their selections, it has been suggested that they consult their parents as to the needs of the home, so that some article may be selected that can find immediate use in the home upon its completion.

"In the eighth and ninth grades, the work is along the same plan with an endeavor to get better working drawings and an estimate of the cost of the work before it is begun.....

"A few examples of the projects being made at the present time are stools, letter-holders, pen-trays, book-racks, book-cases, chairs, tables, desks, music cabinets, umbrella holders, etc.

"Considerable work has been done for the schools, such as test-tube holders, typewriter bridges for the High School, screens, tables, etc., for the other schools, and the ninth grade boys have repaired and refinished a cabinet for the Superintendent's office and a desk for the Director of Physical Training in addition to other minor repairs."

The Director of this Department suggests that printing be made part of the manual training work. I believe that this suggestion is worth consideration by the Committee.

4. *Sewing.*—Soon after the opening of the present school year, Mrs. Russell, who had had the direction of this work in our schools since 1895, resigned because she was to give up teaching, and Miss Elma M. Soderquist of Arlington, was appointed as her successor. Miss Soderquist has had excellent special training and her work thus far has been very satisfactory.

Inasmuch as the work of the year had been started before Miss Soderquist took charge, she has followed in the main the plan previously in force.

A few changes, however, have seemed wise. For example, instead of having pupils bring in from home material for work, it has seemed wiser for the supervisor to purchase at wholesale the necessary material and sell it to the pupils at cost. This plan enables the pupils to get their cloth at less cost, saves them considerable trouble and provides uniform material for the classes.

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Another change in the plan of work is suggested by the following quotation from Miss Soderquist's report to me:

"I think the older girls, especially, should have some knowledge of textiles. Therefore, I have made out a brief course of training in this line for the eighth grade pupils in addition to the regular sewing. The principal features of this work are as follows. The girls collect samples of cloths and keep them in note books, thereby becoming familiar with the different fabrics, prices, widths, etc. Then they test the fading qualities of woolen, silk, linen, and cotten goods in two shades of brown, blue, red, pink, green, and lavender. The results of the experiments are written under each sample. They are taught how to shrink material, to set colors, to wash woolens, to prevent spotting, and to test for wool and cotton."

The Supervisor suggests the advisability of placing sewing machines in the different grammar buildings in order that the pupils may have practice in machine sewing as part of their course. I believe this suggestion should receive consideration by the Committee.

In September, 1910, we put into effect the plan of having the regular teachers teach the sewing under the direction of one supervisor of sewing, instead of having the work done entirely by special teachers. Regarding the feasibility of this plan, which is obviously more economical than the plan formerly in force, Miss Soderquist reports:

"As to the supervised work in sewing which is done here in Medford, I see no reason why it should not be a success."

5. *Cooking.*—Since the opening of the present school year, the work in this department has been in charge of Miss Ernestine Y. Cox of Boston, in place of Miss Lake who resigned in June on account of poor health. Miss Cox has had excellent training for this work and an amount of practical experience in the administration of home affairs which makes her an especially valuable director for us. In addition to the instruction in cooking which she gives to ninth grades girls, she assists the supervisor of sewing with the sixth grade classes.

The present plan for the work in cooking provides for one lesson of one and one-half hours a week throughout the year for each ninth grade class. While the time allotted to this

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work is less than the instructor desires, it has seemed inadvisable thus far, owing to conditions in other lines of work, to increase the allotment.

6. *Physical Training.*—No essential change has been made during the past year in the plan of administration of this department of work. Mr. Kendall has continued to direct the athletic sports of the High School boys, Major Whitney has had charge of the military drill for the boys of the High School, and Miss Critchett has directed the physical training of the High School girls and of the elementary grades. The City is fortunate, I think, in being able to retain these instructors in charge of the work of physical training in its schools. Mr. Kendall has recently announced his intention of giving up active field work in coaching the boys in their sports at the close of the present school year. So much regret has been expressed at this decision, that I am glad to report that arrangements have been made whereby for the coming year he will continue to have general charge, as advisory coach, of all the athletic interests of the school, so far as the boys are concerned. By this arrangement we shall continue to benefit by the splendid influence that he has exerted upon our young men in connection with their school sports.

Co-operation of Outside Forces.—Any student of the problem of public school training knows that the best work can be done in the schools only when the home, the church, the clubs, and other social forces of a community, that to a greater or less degree influence the child's mental, moral, and physical development, are acting co-operatively with the school. However wisely school officials may plan for and administer the schools, if the best results are to follow, their efforts must be backed by an intelligent and sympathetic public opinion. Discussing this point in his school report for 1909, Superintendent Aldrich of Brookline writes: "In the last analysis the condition of the American puplic school is determined by public opinion. Where such opinion is enlightened, progressive, vigilant, and devoted, there good schools will be found. The authorities charged with the administration of education may do much to create sentiment, and it is clear that they can do nothing else of such transcendent, far-reaching, and abiding importance."

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It has been my purpose during the time that I have served as your Superintendent of Schools to do what I could, without sacrificing any proper principle, to bring the public into co-operative action with the school administration, and I feel that such co-operation is being secured to a gratifying degree. A few evidences of this may be found (*a*) in the help given by outside forces in connection with the work of the Stamp Saving System to which I have previously called attention; (*b*) in the establishment by the Medford Women's Club of a scholarship fund to assist worthy girl graduates of the High School in securing college training; (*c*) in the gift during the year of ten silk flags to the schools by the S. C. Lawrence Woman's Relief Corps; (*d*) in the assistance given by the members of the S. C. Lawrence Post, G. A. R., in connection with the Memorial Day exercises in the schools; (*e*) in the generous manner in which the City Government has dealt with requests from the School Department for money, both for current expenses and for the enlargements in school accommodations that have seemed to be necessary, and (*f*) in the helpful spirit with which the various changes that it has seemed best to make in connection with the schools have been received by the citizens in general.

Conclusion.

In bringing this report to its conclusion, I desire to record my sense of obligation in my year's work, not only to the Committee for the courteous consideration and loyal backing that have been given my efforts for the schools, but also to the members of the teaching corps for the faithful manner in which they have endeavored to work out the ideas of the Superintendent. These conditions have made a difficult service a matter of pleasure and are largely responsible for whatever degree of success has come from such service.

Respectfully submitted,

FRED H. NICKERSON,
Superintendent of Schools.

March 11, 1912.

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Appendix 1.

REPORT OF TRUANT OFFICER.

Mr. F. H. Nickerson, Superintendent of Schools:

Dear Sir:—The following record gives the essential facts regarding my work as Truant Officer from January 1, 1911, to January 1, 1912.

Visits to Schools	1,300
Absences Investigated	645
Number of Pupils found Truant	82
Visits to Factories	4
Found Working without Certificate	10
Found on Street and Taken to School	18
Illiterate Minors found Working and sent to Evening School	7

Respectfully submitted,

THOMAS F. McGUINE,
Truant Officer.

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Appendix 2.

June Twenty-seven, Nineteen hundred eleven
MEDFORD HIGH SCHOOL GRADUATION
At quarter past eight o'clock in the evening

ORDER OF EXERCISES.

Entrance of Class.

Address of Welcome by President of the Class
Roland W. Baldrey.

"The Storm Fiend" . . . . . *Roeckel*
School Chorus.

Class History
Joseph F. Cosgrove.

"Allegro Brillianto" . . . . . *Ten Have*
E. Willard Flint.

"The Vision" . . . . . *Faure*
School Chorus.

Original Declamation, "The Spirit of the School"
J. Leo Foley.

"The Arrow and the Song" . . . . . *Boyd*
"O Lovely Night" . . . . . *Offenbach*
Girls' Glee Club.

Class Prophecy
Mildred Gordon.

Selection from "Serenade" . . . . . *Herbert*
School Orchestra.

Ivy Oration
Chester L. Rich.

Class Poem
E. Willard Flint.

"The Fishermen" . . . . . *Gabussi*
School Chorus.

Valedictory Essay, "Our World"
Herbert W. Schlaffhorst.

Presentation of Diplomas.
By HON. CHARLES S. TAYLOR.

"Wider and Wider Yet" . . . . . *Wigmore*
Graduating Class.

GRADUATING CLASS.

Robert Leon Abbott
Alden Blaisdell Ackerman
Roland Webster Baldrey
James Gidney Bickford
Ross Bridge
Joseph Francis Cosgrove
John Joseph Curtin
Thomas Borgia Donlin
Mark Dunbar Emerson
Eben Willard Flint
John Leo Foley
William Leonard Hayes
Stephen Preston Higgins
Seward Highley
Stanley Foster Holbrook
Edith Stuart Bushnell
Grace Dorothy Byron
Grace Marian Caulkins
Anna Beatrice Derrah
Gladys Emily Doe
Edith May Dow
Rosella Doris Edmunds
Florence Gertrude Ellard
Mildred Fiske
Mildred Almeda Flint
Gertrude Folger
Pauline Josephine Freeman
Margaret Channing Gardner
Dorothy Stearns Gleason
Mildred Gordon

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James Alfred Jeffress
Harold Irving Johnson
Paul Arthur Jones
Percy Jones
Parry Keller
Stewart Wilson Millar, Jr.
Arthur Winchester Morrison
Alfred King Nyman
George Leo O'Brien
Walter Leslie Perry
Chester Lacount Rich
Ralph Tupper Rogers
Herbert William Schlaffhorst
Lawrence Emery Scrannage
Archer Leland Sibley
Earle Arthur Stevens
Joseph Elmer Swenson
Franklin Gilbert Thompson
Kinsley Barrett Thorndike
Robert Dalton Thorson
William Russell Cleveland Welsh

Rena Mae Greenwood
Isabel Harrington
Margaret Hildred Hea
Mary Agnes Herman
Harriett Beatrice Lezzsette
Irene Estella Minott
Mary Bella Munro
Mary Rose Piggott
Abbie Cecelia Reagan
Esther Christiana Sawyer
Esther Frances Segall
Sarah Segall
Eleanore Elizabeth Sinclair
Elizabeth Taylor
Helen Avesta Thomas

HONORABLE MENTION.

Italics Indicate Advanced Work.

Alden Blaisdell Ackerman...*English, Latin,* Greek, German, Mathematics
Roland Webster Baldrey.....*French,* Mechanical Subjects
James Gidney Bickford.....*French*
Edith Stuart Bushnell.....*English,* Drawing
Grace Marian Caulkins.....Drawing
Gladys Emily Doe.....*Latin,* Science
Edith May Dow.....*English,* French
Mark Dunbar Emerson.....*English*
Mildred Fiske.....*English, Latin,* Greek, German, *Mathematics*
Gertrude Folger.....*Latin, German, Mathematics*
Margaret Channing Gardner.....*English, Latin,* Greek
Dorothy Stearns Gleason.....*English,* German
Mildred Gordon.....*English, Latin,* Mathematics
Margaret Hildred Hea.....*English*
Mary Agnes Herman.....*English*
Stephen Preston Higgins.....Mechanical Subjects
Stanley Foster Holbrook.....*Commercial Subjects*
James Alfred Jeffress.....Mechanical Subjects
Parry Keller.....*English,* Mechanical Subjects, Science
Stewart Wilson Millar, Jr.....*English*
Irene Estella Minott.....*English, Latin,* Greek, *Mathematics*
Arthur Winchester Morrison.....Mechanical Subjects
Walter Leslie Perry.....*English*
Abbie Cecelia Reagan.....German
Chester Lacount Rich.....Latin
Ralph Tupper Rogers.....*French*
Herbert William Schlaffhorst.....Greek, French, *Mathematics, English*
Lawrence Emery Scrannage.....Mechanical Subjects
Elizabeth Taylor.....*English*
Helen Avesta Thomas.....*English, Latin,* Greek, *German, Mathematics*
Franklin Gilbert Thompson.....*Commercial Subjects*

Honorable mention is given in the following groups:—English, Latin, Greek, French, German, History, Science, Mathematics, Drawing, Commercial Subjects, Mechanical Subjects (Manual Training and Mechanical Drawing), on the basis of at least three years' work with fifty per cent. of the marks A.

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Appendix 3.

Program for the Exhibition Drill of Gymnastic Work in the Medford Schools.

May 6, 1911.

PROGRAM.

1. Gymnastic Drill.....by Grade IV
2. Gymnastic Drill..... " " VI
3. Game: "I Saw"..... " " IV
4. Gymnastic Drill..... " " V
   Story Play: "Hiawatha"..... " " V
5. Gymnastic Drill..... " " VII
6. Game: "Herr Slap Jack".....by Grades V and VI
7. Gymnastic Drill.....by Grade VIII
8. Gymnastic Drill..... " " IX
9. Game: Relay Race by boys, grades VII, VIII, IX, representing the following schools: Centre, Brooks, Franklin, Lincoln, Washington and Dame.

COLORS.

Brooks.....*Pink*
Lincoln.....*Light Blue*
Dame.....*Lavender*
Franklin.....*Red*
Washington.....*Yellow*
James.....*Cerise*
Osgood.....*Green*
Everett.....*Old Rose*
Hillside.....*Orange*
Centre.....*Dark Blue*

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Appendix 4.

Pupils Promoted from the Ninth Grade to the High School, June, 1911.

BROOKS SCHOOL.

*Charles F. Berry
*John P. Brawley
*Herbert H. Bryne
†*Edwin D. Burd, Jr.
*William B. Cassidy
*Harold R. Colby
Charles R. Collins
*Wilfred T. Connell
*Edwin W. Crosby
*Albert J. Donnellan
Harry M. Follansbee
*Arthur W. Furr
*H. Winslow Gardner
*Elmer R. Getchell
Harold S. Gillis
Joseph W. Guarente
Francis W. Hatch
*Clarence E. Jeffress
Francis S. Lally
*Guy R. Leman
*Ernest C. Lowell
*Joseph H. McGrath
*A Raymond Minard
*Fred Parham
Wells W. Parker
†*Dwight W. Robb
*Milton F. Robie
*Arthur G. Rockwood
*Gerald F. Shea
*Alden F. Shum
*Lillian M. Ambrose
*Madeline E. Bernard
*Katherine H. Brawley
*Ruth E. Brooks
A. Helena Carew
*Ursula E. Clark
*Marcella Coffey
*Margaret W. Conant
*Ida M. Cottam
*Helen L. Desmond
*Sylvia A. Fairley
*Gladys S. Falt
Minnie E. Freeman
*Doris M. French
*Gladys G. Gaskins
*Harriet Grant
Helen M. Grant
*Mildred L. Grimes
*Elizabeth S. Harris
*Gladys L. Howard
*Doris B. Hurlburt
*Edna F. Ingraham
*Madeline M. Kountze
*Elizabeth H. Leonard
*Ruth D. Lounsbury
*Marie J. Morrissey
*Alice Norton
*Lillian V. Noyes
*Grace M. O'Leary
*Margaret T. Piggott
*Katherine A. Rhone
*Estella O. Schofield
*Ruth Shaw
*Dorothy M. Shea

CENTRE SCHOOL.

*John S. Allard
*Norman B. Allard
*George Anderson
†*Richard F. Anderson
Thomas Boleyn
*George A. Bowman
*Francis Bresnahan
*William J. Brogan
†*George H. W. Buck
John J. Callahan
*Raymond B. Chadbourne
*Edward S. Condon
*John P. Cunningham
*Hazelton B. Davis
*Chauncey M. Day
*William J. Deegan
*Joseph P. Devinney
*Edmond N. Dion
*Norman K. Donaghy
†*Beatrice A. Beaman
*Miriam Bornstein
*Ellen J. Boylan
*Mabel G. Burrows
*Virginia F. Carter
Edith R. Clark
*Mary F. Connors
*Ethel L. Cook
*Olive G. Craig
*Clara M. Crowe
*Dorothea Davis
*Grace V. Dunphy
*Dorothy L. Dutton
*Ruth C. Dyer
*Jennie P. Ellis
*Mary H. Ellsworth
*Emily S. Engel
*Madeline H. Fahey
*Mildred L. Fenton

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*John R. Donlin
*Joseph M. Dunphy
*Ralph C. Emerson
*Carl H. Engel
*Leonard G. Esam
*Edward J. Finnerty, Jr.
*Ralph S. Flint
*George F. Gill
*James L. Howley
*Francis E. Kirkpatrick
*Clifford S. Landry
*Paul L. Lecomte
*Frederick C. Lynn
*J. Melville MacFarlane
*Hugh J. McNeill
Charles P. Malloy
*Patrick W. Manley
†*Thomas V. Max
Dudley P. Mayo
*Carl B. Merrill
*Lloyd W. Miller
*Harold J. Mitchell
*Basil T. Murphy
†*Thomas V. O'Brien
*Harold A. Osgood
*Charles P. Phillips
*Horace W. E. Pickering
*Harry C. Price
*Harry R. Reid
*Harold E. Roberton
†*Clifton B. Russell
*Alfred M. Sexton
William F. Shine
†*Joseph W. Stetson
*Edwin S. Stowell
*Eugene E. Sweeney
*James E. Sweetman
*Harold W. Thomson
*John T. Welch
*Alphonsus Wells
*Frederick B. Young
*M. Isabel Fynes
Ethel M. Gartside
*Annie E. Gerrard
*Dorothy E. Gorton
Margaret E. Griffith
*Elsie M. Harris
*Marjorie Hart
*Mary E. Johnston
*Kathryn Kerrigan
*Esther L. Lyon
*Evelyn R. McKone
*Anna A. Madden
*Helen T. Maxwell
*Ethel C. Merryweather
*Elizabeth Millar
*Pearl A. Morgan
*Gertrude L. Murphy
*Marguerite E. Murphy
*Elizabeth A. O'Brien
Ellen T. O'Brien
*Mildred L. O'Brien
Mary M. O'Connell
*Margaret A. O'Donnell
Isabelle M. O'Shea
†*Urania Peak
*Mabelle I. Perkins
*Mary E. Perkins
*Mary K. Piggott
*Ida M. Posselt
M. Isabell Rankin
*Mary A. Rowan
*Mildred A. Scott
*Anna R. Sears
Mary L. Shlachovoi
*Etta W. Slater
*Myrtle J. Snow
*Gladys A. Stevens
Grace Terrio
Marguerite Vobis
*Fanny E. Walker
Alice M. Weston
*Bertha M. Wiltshire.

LORIN L. DAME SCHOOL.

†*Manuel F. Amaral, Jr.
*Edward S. Benjamin
Charles Bohen
*James E. Campbell
*William D. Carlin
*Frederic L. Coes
*Edwin W. Deering
*Edgar L. Dunphy
*Charles S. Ferguson, Jr.
*James W. Ferguson
David T. Graham
Joseph Granfield
*Matilda J. Babineau
Margaret E. Belton
*Ebon J. E. Bendroth
*Amy L. Brown
Caroline M. Busam
*Alice Cashman
*Emma F. Detheridge
*Sarah H. DeWolfe
Bernice M. Elliott
*Elsie G. M. Hagberg
*Pearl F. Jewell
*Madeline L. Jones

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George O. Gray
Ernest A. Hagberg
*James R. Hanley
*William J. Herculson
*Edward E. Hobbs
*Edwin Hulme
*Walter H. Jewell
*Nelson A. Laird
*Clarence I. Langdon
*Allen F. Lantz
*Albert L. Lewis
*Forrest E. Litchfield
*Charles A. McDonald
George C. McGuiggan
*Arthur T. Mason
*John J. Morris, Jr.
*James W. Morrissey
*Edward J. Pearce
*Arthur M. Piper
*Ernest H. Richardson
*Theodore C. Richmond
*Carle A. Sargent
*Ralph B. Sargent
Lester W. Stivers
*William A. Sullivan
*Raymond C. Sully
a*Norcross Teele
*John B. Walsh
*Frederick A. Wholley
*Henry G. Wilton
†*Joseph Venuti
*Mary F. Lewis
*Alberta L. Libby
*Eleanor H. Lindgren
*Mildred E. Lovering
*Josephine C. Martin
*Myrtle M. Meloon
*Muriel M. Morton
*Ruth H. Piper
*Ethel G. Pitman
*Mollie Pritzker
*Ethel W. Richardson
*Elizabeth M. Rogers
Beatrice R. Rossiter
*Margaret G. Roughsedge
*Florence L. Smith
*Doris H. Stevens
*Mabel G. Taylor
*Marion H. Thompson
Frances M. Webb
*Doris E. West
*Helen L. Whalen

FRANKLIN SCHOOL.

a*Maynard Bearse
a*Charles N. Kane
a*Muriel D. M. Daley
a*Marian Day
a*Mary E. Sherman.

*Entered High School September, 1911.

†Promotion gained in Summer School.

aPromoted to High School from Grade VIII as result of extra work during the year and in the Summer School.

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Appendix 5.

ORGANIZATION OF SCHOOL STAFF,

December 31, 1911.

(Italics signify attended without graduation.)

Teachers	*Department*	*Where educated*	*When elected.*
Fred H. Nickerson, A.M.,	Superintendent,	Bates,	1909
	HIGH SCHOOL.		
Leonard J. Manning, A.B.,	Head Master, Mathematics,	Harvard,	1877
Frank S. Gilkey, A.B.,	Master, Greek, Latin,	Harvard,	1897
Percy S. Brayton, A.B.,	Master, Physics,	Harvard,	1903
Sarah A. Clapp,	Master, French, German	*Paris, Gottengen,*	1894
Robert L. Cummings, S.B.,	Master, Mathematics, English	University of Maine	1910
Ralph L. Kendall, A.B.,	Mathematics,	Bates,	1908
Richard F. Aust,	Business,	Rhode Island Commercial School,	1911
‡Thomas C. Tooker, A.M.,	History,	Colby,	1911
Laura P. Patten,	Chemistry, Geology,	*Boston University,*	1897
Marion B. Story, A.M.,	French,	Radcliffe,	1903
Lucy C. Thayer, A.B.,	Biology,	Smith,	1905
Grace Phemister, A.B.,	English,	Wellesley,	1907
Bertha C. Marshall, A.B.,	Stenography, Typewriting,	Radcliffe,	1907
Donna M. Slater, Ph. B.,	English, French,	University of Vermont	1908
Marcia H. Smith, A.B.,	Latin, German, Greek,	Wellesley,	1909
L. Ethel Smith, A.B.,	Mathematics, French,	Mount Holyoke,	1909
Carrie M. Tozier, A.B.,	English,	Colby,	1906
Celia A. McCarthy,	Book-keeping and Typewriting	Salem Normal,	1910
Imogen Farnum, A.B.,	English, Mathematics,	Bates,	1910
Frances A. Perry, A.B.,	German,	Radcliffe,	1911
Esther E. Ladd, A.B.,	Latin,	Tufts,	1911
Myrtle Young, A.B.,	English, History,	Bates,	1911
Martha C. Bennett,	Stenography, Typewriting,	Mass. College of Commerce,	1911
‡Myrtie E. Nute, A.B.,	English, Mathematics,	Boston University,	1911
Miriam F. Remele,	Clerk,		1911
	WASHINGTON SCHOOL.		
Galen W. Flanders,	Master,	*Harvard,* Bridgewater Normal,	1910
Lucille M. Dunton,	VIII.,	Somerville High,	1906
Frances M. Eastman,	VIII.,	Smith,	1902
Annie E. Durgin,	VII.,	Medford High,	1877
Bertha R. Davis,	VII.,	Fitchburg Normal,	1910
Ethel A. Wentworth,	VI.,	Bridgewater Normal,	1910
Ethel E. Asker,	V.,	Fredericton Normal, N. B.,	1909
Mercy E. Jones,	V.,	Salem Normal,	1909
	FRANKLIN SCHOOL.		
Harold E. Jackman,	Master	*University of Maine,* Farmington, (Me.) Normal	1911
Jane P .Peabody, Assistant,	VIII.,	Salem Normal,	1909
Grace D. Bradley,	VIII.,	Farmington Normal,	1911
Mary Waitt,	VII.,	Coffin School, Nantucket,	1903
Nellie L. Quennell,	VII.,	Salem Normal,	1910

‡ Substitute.

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Elizabeth R. Carty,	VI.,	Girls' High, Boston,	1895
Elizabeth Fernald, Ph. B.,	VI.,	University of California,	1901
Louisa W. Lasell,	V.,	*Salem Normal*,	1888
Anna M. Roberts,	IV.,	*Hyannis Normal*,	1901
Mariette T. Fernald (Mrs.),	IV.,	Medford High,	1893
Alice F. Sayre,	III.,	Salem Normal,	1910

EVERETT SCHOOL.

Ida L. Hartshorn, Principal,	IV.,	Medford High,	1872
Alice C. Reed,	III.,	*Hyannis Normal*,	1891
M. Agnes Firmin (Mrs.),	II.,	Miss Symonds' Training School,	1897
Ruth K. Burrage,	I.,	Bridgewater Normal,	1898

SWAN SCHOOL.

Amy W. Bradbury,	III.,	Salem Normal,	1909
Jennie S. Archibald, Principal,	II.,	Medford High,	1890
Anna S. Tucker,	I.,	Miss Symond's Training School,	1898

OSGOOD SCHOOL.

‡Sara K. Ordway, (Mrs.),	IV.-VI.,	Salem	1911
Mary P. Titcomb,	I.-III.,	Girls' High, Boston,	1904

JAMES SCHOOL.

Nellie M. Baker,	V.-VI.,	*Farmington Normal*,	1896
Agnes G. Sweeney,	IV.-V.,	Salem Normal,	1903
Nilla G. Clinton,	IV.,	Framingham Normal	1911
Emma J. Bresnahan,	III.,	Salem Normal,	1908
May I. Storrs, Principal,	II.,	Miss Wheelock's Training School,	1900
Edna F. Gordon,	I.,	Salem Normal,	1908

CURTIS SCHOOL.

Amy W. Jones, Principal,	II.,	*Hyannis Normal*,	1882
Josephine A. Martin,	I.,	Oread Institute,	1905

BROOKS SCHOOL.

Clifton W. M. Blanchard,	Master,	Bridgewater Normal,	1911
Lewis F. Hobbs, (Principal Emeritus)	IX.,	Phillips Exeter Academy,	1876
Clara E. Babcock, Assistant,	IX.,	Rhode Island Normal,	1910
Gertrude S. Light,	VIII.,	Girls' High, Boston,	1884
Lena E. Patten,	VIII.,	Salem Normal,	1910
Bertha E. Forster,	VII.,	Fitchburg Normal,	1903
Mary E. Gorman,	VII.,	Salem Normal,	1907
Effie B. Collins,	VI.,	*Wellesley College*,	1903
Alice F. Wilbur,	VI.,	Bridgewater Normal,	1889
Grace W. Lilly,	V.,	Farmington Normal,	1904
Annie W. Hubbard,	V.,	Bradford Academy,	1897
Bertha C. Brown,	IV.,	New Britain Normal,	1898
Winnifred Crockwell,	III.,	Salem Normal,	1908

GLEASON SCHOOL.

Catharina W. Billings, Principal	II.,	Quincy High,	1892
Alice L. Bryan,	I.,	Miss Symond's Training School,	1895

‡Substitute.

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HERVEY SCHOOL.

Ella L. Alden,	IV.,	Medford High,	1883
Flora E. Hinman, Principal,	III.,	Westfield Normal,	1902
Alice R. Sprague,	II.,	Miss Wheelock's Training School,	1902
‡Kathleen V. O'Hara	I.,	Boston Normal School,	1911

CENTRE SCHOOL.

Galen W. Flanders, Master,		*Harvard*, Bridgewater Normal,	1910
Katherine F. Baker,	IX.,	Lowell Normal,	1908
Grace J. Garvin,	IX.,	Potsdam Normal,	1909
Marion Pierce,	IX.,	Concord Training School,	1910
Elizabeth R. Henderson,	IX.,	*Boston University*,	1909

LORIN L. DAME SCHOOL.

Henry B. Doland,	Master,	Bridgewater Normal,	1886
Jane P. Peabody, Assistant,	VIII.,	Salem Normal,	1909
Alice T. Quinn,	VIII.,	N. H. State Normal,	1909
Vandelia A. Dexter,	VII.,	Salem Normal,	1909
Laura D. Ward,	VII.,	Mt. Holyoke,	1910
Harriet E. Brooks,	VI.,	Dudley Academy,	1887
Josie L. Blakely,	VI.,	Salem Normal,	1904
Maud B. Priest,	V.,	Fitchburg Normal	1911
Harriett B. Garritt,	V.,	Framingham Normal,	1911
Della E. Joslin,	IV.,	Bridgewater Normal,	1902
Grace Titcomb,	IV.,	Salem Normal,	1911

CRADOCK SCHOOL.

Adelaide S. Herriott, Principal,	III.,	*Hyannis Normal*,	1878
Alice G. Phemister,	III., II.	Mrs. Perry's Training School,	1905
Marian Poole,	II.,	Bridgewater Normal,	1910
Miriam P. Clark,	I.,	Lowell Normal,	1910

HILLSIDE SCHOOL.

Mabel T. Kalloch, Principal,	IV.,	Farmington Normal,	1909
Cora M. Gordon,	III.,	*Bangor Training School*,	1907
Octavia Stewart,	II.,	Framingham Normal,	1908
Helen C. Townsend,	I.,	Bridgewater Normal,	1905

LINCOLN SCHOOL.

George W. Parsons, A.M.	Master,	Bowdoin,	1890
E. Blanche McCalmont, Assist.	IX.,	Posse Normal School of Gym.	1909
Winifred L. Evans,	IX.,	Gorham Normal,	1892
Rhoda C. Slate,	VIII.,	*Westfield Normal*,	1901
Alice D. Ayres,	VIII.,	Norwich Academy,	1908
Annie E. E. Bardeau,	VII.,	*Denver City Normal*,	1901
Marie F. Burnham,	VII.,	*Farmington Normal*,	1898
E. Alice Payn-Sills,	VII.,	Provincial Normal, N. B.,	1892
Helen M. Johnson,	VI.,	*Training School*,	1890
Alma A. Thomas,	VI.,	*Tufts College*,	1909
Annie P. Danforth,	V.,	Salem Normal,	1903
Sara E. Kirwin,	V.,	Salem Normal,	1904
Gertrude P. Dermond,	IV.,	Salem Normal,	1901
Alice G. Thompson,	IV.,	*Hyannis Normal*,	1901

TUFTS SCHOOL.

Jessie M. Dinsmore,	Principal,	*Hyannis Normal*,	1885
Linna M. Ferrer,	IV.,	Bridgewater,	1911
E. Blanche McCalmont, Assist.	III.,	Posse Normal School of Gym.	1909

‡Substitute.

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M. Frances Blaisdell,	III.,	Miss Wheelock's Training School,	1902
Mary I. Phemister,	II.,	Chelsea High,	1897
Emma L. McCully,	II.,	Miss Wheelock's Training School	1910
Emma E. Whitney (Mrs.),	II.,	Framingham Normal,	1894
Retta Barrett,	I.,	*Westfield Normal*,	1904
Marion P. Goodwin,	I.,	Miss Symond's Training School,	1910

SPECIAL TEACHERS.

Edward N. Griffin,	Music,	American Institute of Normal Methods,	1911
Mildred S. Jones, Assistant,	Music,	Conservatory of Music,	1911
Josephine Kintz,	Drawing,	Normal Art School,	1903
Flora L. Enright, Assistant,	Drawing,	Normal Art School,	1911
Elma M. Soderquist,	Sewing,	*Simmons College*,	1911
Ernestine Y. Cox,	Domestic Science, Sewing,	*Simmons College*,	1911
Joseph T. Whitney,	Manual Training,	Institute Technology,	1894
Edgar R. Breed,	Manual Training,	Normal Art School,	1910
Caroline L. Critchett,	Gymnastics,	Normal School of Gymnastics	1908
Major Orville J. Whitney,	Military Instructor,		1909

EVENING SCHOOL.

Clifton W. M. Blanchard, Principal,	Penmanship.
Richard F. Aust,	Book-keeping.
Annie I. Letson,	Stenography.
Celia A. McCarthy,	Typewriting.
Harold E. Jackman,	Civil Service and Com. Arithmetic.
Nilla G. Clinton,	Grammar School Subjects and Commercial Arithmetic
Josephine Kintz,	Drawing,
Laura D. Ward,	Elementary and Non-English Speaking Classes.

MEDICAL INSPECTOR.

Lincoln F. Sise, M.D.

TRUANT OFFICER.

Thomas F. McGuine.

JANITORS.

Frank P. Pierce, 200 Salem St.,	High School
Arthur D. Chickering, 224 Salem St.,	Engineer, High School
Elvin Johnson, 5 Allen Court,	Washington, Everett and Swan Schools
George S. Lambert, 162 Sheridan Ave.,	Franklin and Curtis Schools
William P. Hanson, 13 Holton St.,	Brooks School
Dennis J. Connors, 11 Touro Ave.,	Centre and Cradock Schools
George E. Giles, 49 Summer St.,	Lorin L. Dame School
James M. Wheeler, 34 Almont St.,	Lincoln School
John Desmond, 51 Brookings St.,	Tufts School
Edgar A. Hall, 6 Simonds Ct.,	James School
Wilford N. Parkin, 590 High St.,	Gleason, Hall and Hervey Schools
Lester G. Brown, 218 Middlesex Ave.,	Osgood School

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SCHOOL COMMITTEE FOR 1912.

Membership.

Hon. Charles S. Taylor, Mayor, *Ex-officio.*

At Large.

Term expires.

Hon. William C. Wait, 194 Forest St. 1915
Charles N. Jones, 352 Salem St. 1913
Edward W. Barrett, M.D., 4 Ashland St. 1914

From Wards.

Ward.

1. Amanda H. Plummer (Mrs. J. M. G.), 36 Lawrence St. 1913
2. Charles W. McPherson, 43 Magoun Ave. 1913
3. Wm. E. Crosby, 153 Allston St., W. Medford. 1915
4. Clara T. Guild (Mrs.), 31 College Ave. 1915
5. George S. T. Fuller, 7 Alfred St. 1914
6. William H. Couch, 104 Jerome St., W. Medford. 1913
7. David G. Melville, 52 Magoun Ave. 1914

Organization of Committee.

David G. Melville, *Chairman.* Charles N. Jones, *Clerk.*

Standing Committees.

Appropriations: Melville, Taylor, Wait, Jones.
Buildings: Fuller, Couch, Jones, Melville.
Fuel and Accounts: Jones, Taylor, Crosby.
Evening School: Couch, Mrs. Guild, Barrett.
Vacation School: Mrs. Guild, Mrs. Plummer, McPherson.
Manual Training: McPherson, Mrs. Plummer, Barrett, Crosby.

The Superintendent is a member of all standing Committees.

Meetings of Committee.

Regular meetings of the School Board are held in the School Committee Room, High School Building, Forest Street, on the second and fourth Monday of every month, except July and August, at 7.30 o'clock p.m.

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Clerk,

Allston P. Joyce, 17 Wyman Street
(Who is also the City Clerk).

Clerk of Committees.

Edward W. Mitchell, 230 Playstead Road

SCHOOL COMMITTEE.

Hon. Charles S. Taylor, Mayor, *Ex-officio.*

Members at Large.

William Cushing Wait	Term expires		1915
Charles N. Jones	"	"	1913
Edward W. Barrett	"	"	1914

Members from Wards.

Ward 1.	Amanda H. Plummer	Term expires		1913
Ward 2.	Charles W. McPherson	"	"	1913
Ward 3.	William E. Crosby	"	"	1915
Ward 4.	Clara T. Guild	"	"	1915
Ward 5.	George S. T. Fuller	"	"	1914
Ward 6.	William H. Couch	"	"	1913
Ward 7.	David G. Melville, *Chairman*	"	"	1914

Superintendent of Schools

Fred H. Nickerson.

Office:—High School, Forest Street.

CITY OFFICERS AND BOARDS.

City Clerk.....Allston P. Joyce
City Treasurer.....Edward A. Badger
City Collector.....Edward W. Hayes
City Auditor.....George D. Cummings
City Solicitor.....Edward E. Elder

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City Engineer.....Fred R. Charnock
City Physician.....Richard A. Drake
City Messenger.....Michael A. Hernan
Street Commissioner.....William J. Gannon
Superintendent of Moth Suppression.....William J. Gannon
Inspector of Buildings.....Harvey A. Hopkins
Superintendent of Wires and Gas Fittings....Henry A. Gaffney
Inspector of Animals.....Harrie W. Peirce
Forest Warden.....Charles E. Bacon
Sealer of Weights and Measures.....Winslow Joyce

Board of Assessors.

Henry Withington, *Chairman*..... Term expires 1913
Edward S. Randall..... " " 1914
Irvin E. Peak..... " " 1915
Susan F. Chapin, *Clerk*.

Board of Health.

George W. Mills, M.D., *Chairman*..... Term expires 1915
J. Walter Bean, M.D..... " " 1913
Frederick R. Ilsley, M.D..... " " 1914
Alvin R. Reed, *Clerk*.

Overseers of the Poor.

John W. Bragdon, *Chairman*..... Term expires 1913
John W. Rockwell..... " " 1914
George B. Gill, *Clerk*..... " " 1915

Park Commissioners.

Wilton B. Fay, *Chairman*..... Term expires 1913
Daniel W. Bedell..... " " 1916
David G. Melville..... " " 1917
Irwin O. Wright..... " " 1914
Frederick J. Caulkins..... " " 1915
Alvin R. Reed, *Clerk*.

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Commissioners of Sinking Funds.

Lewis H. Lovering, *Chairman*..... Term expires 1914
William Cushing Wait..... " " 1915
Walter F. Cushing..... " " 1915
Charles H. Barnes..... " " 1914
Everard I. Langell, *Treasurer*..... " " 1913
Willard Dalrymple, *Secretary*..... " " 1913

Water and Sewer Commissioners.

Fred W. Gow, *Chairman*..... Term expires 1914
Frank G. Grady..... " " 1915
Fred L. Cushing, *Water Registrar*
Orville J. Whitney, *Superintendent*

Trustees of Cemeteries.

Barker B. Howard, *Chairman*..... Term expires 1915
Harry Highley..... " " 1914
Oscar H. Allen..... " " 1913
Allston P. Joyce, *Clerk.*

Trustees of Public Library.

Henry C. DeLong, *Chairman*..... Term expires 1915
Fred H. Nickerson..... " " 1913
Ernest B. Moore..... " " 1914

Registrars of Voters.

William F. Leahy, *Chairman*.....Term expires April 1, 1914
John F. Reagan..... " " April 1, 1915
Nahum E. Wilber..... " " April 1, 1913
Allston P. Joyce, *City Clerk, ex-officio.*

Engineers of Fire Department.

Charles E. Bacon, *Chief*
Jude C. Clark, *First Assistant*
Frank O. Waterman, *Second Assistant.*

Police.

William G. Ewell, *Sergeant and Acting Chief.*

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Acts of 1911

(*Chap.* 468).

An Act to extend the Provisions of the Civil Service Act to Chiefs of Police of Certain Cities and Towns.

Be it enacted, etc., as follows:

Section 1. The provisions of Chapter Nineteen of the Revised Laws, entitled "Of the Civil Service," and all acts in amendment thereof and in addition thereto, and the civil service rules made thereunder, and all acts now or hereafter in force relating to the appointment and removal of police officers, shall apply to the superintendent, chief of police or city marshal in all cities except Boston, and in all towns that have accepted, or may hereafter accept, the provisions of said Chapter Nineteen.

Section 2. All acts and parts of acts inconsistent herewith are hereby repealed.

Section 3. In cities to which it is applicable this act shall be submitted to the voters at the next annual state election; in towns to which it is applicable it shall be submitted to the voters at an annual town meeting; and in either case it shall take effect in any such city or town upon its acceptance by a majority of the voters voting thereon; otherwise it shall not take effect in any such city or town. (*Approved May* 20, 1911).

At the annual State Election held November 7, 1911, the foregoing act was submitted to the voters of the City of Medford in accordance with Section 3 of the same, and at said election was accepted by the following vote:

Yes	1,797
No	509
Blanks	1,286
Totals	3,592

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(Chapter 100).

THE COMMONWEALTH OF MASSACHUSETTS.

In the Year One Thousand Nine Hundred and Twelve.

AN ACT.

To Authorize the City of Medford to Borrow Money for School Purposes.

Be it enacted by the Senate and House of Representatives in General Court assembled and by the authority of the same, as follows:—

Section 1. The City of Medford, for the purpose of constructing and equipping an addition to the high school building in that City, may issue from time to time notes or bonds to an amount not exceeding two hundred thousand dollars, and the same shall not be reckoned in determining the statutory limit of indebtedness of the City. Such notes or bonds shall bear on their face the words, Medford School Loan, Act of 1912, shall be payable at the expiration of such periods, not exceeding twenty years from the date of issue, and shall bear interest payable semi-annually at such rate, not exceeding four per cent per annum, as the Board of Aldermen shall determine; and shall be signed by the Mayor and Treasurer, and countersigned by the Auditor. The City may sell the said securities at public or private sale, upon such terms and conditions as it may deem proper; but they shall not be sold for less than their par value.

Section 2. The provisions of Section Thirteen of Chapter Twenty-seven of the Revised Laws, as amended by Chapter Three Hundred and Forty-One of the Acts of the year Nineteen Hundred and Eight, and by Chapter Three Hundred and Fifty of the Acts of the year Nineteen Hundred and Eleven, shall apply to the loan authorized by this Act.

Section 3. This act shall take effect upon its passage.

House of Representatives, February 13, 1912.
Passed to be enacted.

GRAFTON D. CUSHING, Speaker.

In Senate, February 14, 1912.

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Passed to be enacted.

LEVI H. GREENWOOD, President.

February 16, 1912,

Approved.

EUGENE N. FOSS.

Office of the Secretary, Boston, February 26, 1912.

A true copy.

Witness the Great Seal of the Commonwealth.

ALBERT P. LANGTRY,

Secretary of the Commonwealth.

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