

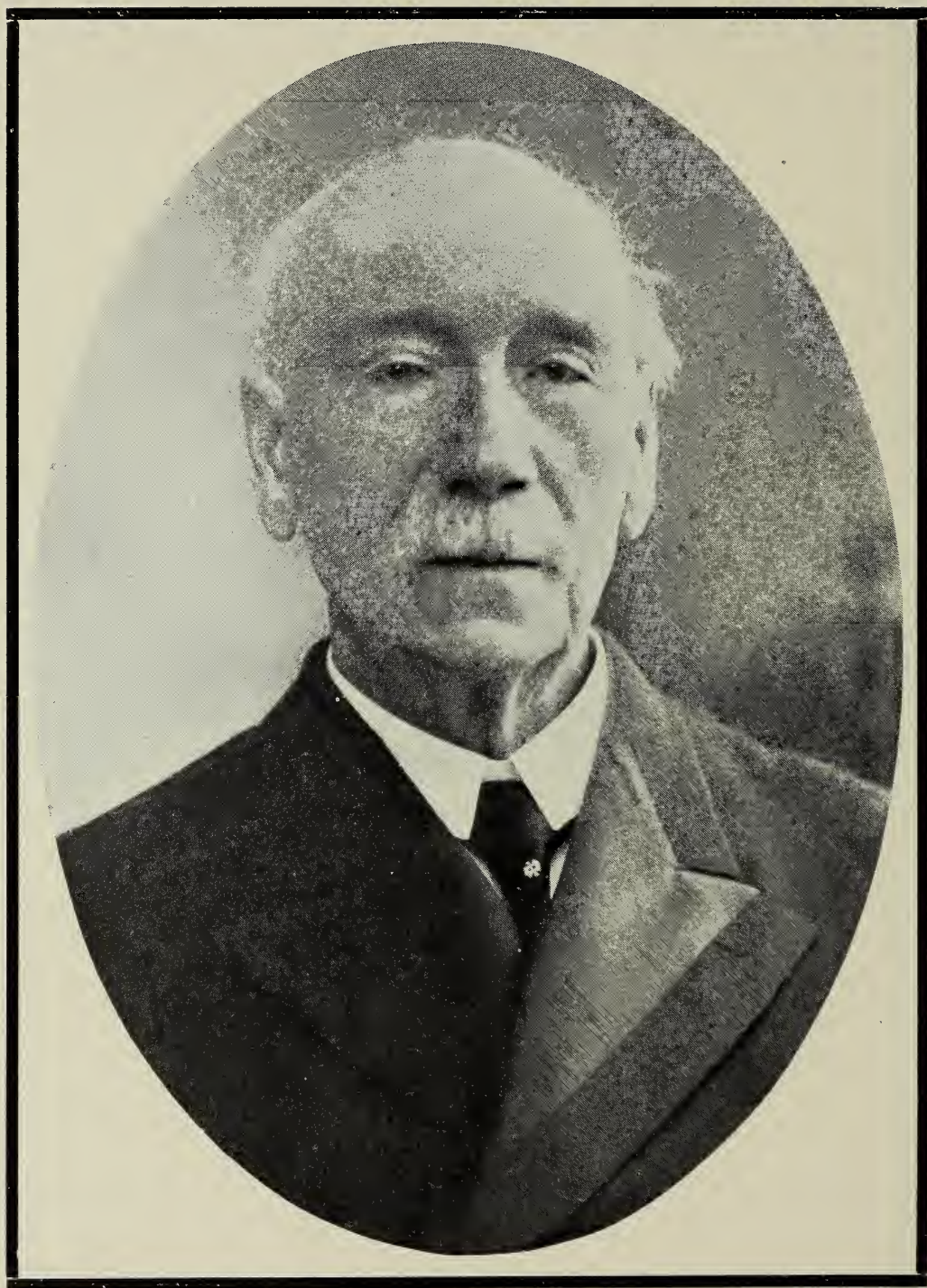








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JAIRUS MANN

City Messenger 1872-1912

Born October 29, 1824. Died February 4, 1912



CITY OF SOMERVILLE

MASSACHUSETTS

ANNUAL REPORTS

1911

With Mayor's Inaugural Address

Delivered Jan. 1, 1912



SOMERVILLE JOURNAL PRINT

1912





# INAUGURAL ADDRESS

DELIVERED BY

## Mayor Charles A. Burns

MONDAY, JANUARY 1, 1912

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Gentlemen of the Board of Aldermen:—

Having been selected to manage the affairs of our municipal corporation for the present year, we have assembled here this morning, in accordance with the charter, to begin our duties. These duties are various and important, and the most important is the disbursing of the money which the city receives, through the various channels, economically and for the best interests of the people.

### **The Financial Situation.**

The city treasurer has placed in my hands a statement showing the financial condition of the city January 1, 1912. This statement is incorporated in this address, and should be read by every citizen.

The total funded debt of the city January 1, 1911, was \$1,500,000. This debt was increased during the year \$188,000. It was decreased \$169,000, leaving the net funded debt January 1, 1912, \$1,519,000, an increase of \$19,000.

The increase in the funded debt is accounted for partly by the increased appropriation for sidewalks construction, the building of the new Somerville Field for recreation, and the appropriation for the new schoolhouse in the western section of the city.

The increase in the tax rate of 1911 over that of 1910 was

largely due to the increases in the state and metropolitan assessments and debt requirements. At the same time, our tax rate is bound to stay where it is, or increase, unless we have decreased appropriations or increased valuation. In this connection I again call attention to the fact that we are not getting enough new business into our city. I should like to see the two boards of trade consolidated, and a large, active committee appointed to induce new commercial enterprises to locate within our borders. It is hoped that the Boston and Maine Railroad can be induced to build a delivery freight station on the Mystic flats. Manufacturers in that vicinity desire this, and if a station is erected, it will induce business to locate there, as the land is available.

There is a feeling in some quarters that the twelve-dollar limit should be abolished or increased. The amount available for current expenses for the present year under this limit is \$808,710.79. This amount, with the ordinary revenues for maintenance expenditures, I believe, from the figures now available, to be sufficient, with wise economy, to maintain the departments within the twelve-dollar limit, and that the necessity of an appeal to the legislature for authority to exceed this limit is not at this time apparent.

The abolishing of the limit, in my opinion, will lead to extravagance and an increased tax rate, which will not meet with the approval of the people. The running of a city is a straight business proposition. We must be progressive in our ideas. Obsolete methods of doing things must be abandoned. I shall demand that heads of departments show results and assist us in our work. Meetings of all heads of departments will be held monthly, in order that the general financial condition of the city may be discussed.

We are in a first-class financial condition, compared with our sister cities. Our debt of \$1,519,000 is small in comparison with those of many other cities of the commonwealth and the lowest, per capita, with one exception, of any. Our bond maturities in the next few years are large, and this fact must be a matter for consideration when future bond issues are contemplated.



### **Assessment of Property.**

In connection with the finances of the city, the work of the assessors is an important factor. The assessment of property is required by law to be made at its full and fair cash value. I shall take up with the assessors in the immediate future their method of determining such values. If there is an improved system whereby the values can be more equitably determined, I shall urge its adoption.

### **Our Main Thoroughfares.**

I have considered with the commissioner of streets and the city engineer the matter of permanently constructing the main thoroughfares of our city. These include Broadway, Elm, Summer, Beacon, Washington, and Holland streets and Somerville avenue. Portions of these thoroughfares have already been so constructed, and Highland avenue in its entirety. The expense, as given me, will amount to approximately \$155,000. While I do not expect that this can all be accomplished in one year, yet I feel that it is a good business proposition to do the work as soon as possible. The amount of money to be saved on maintenance will, in my judgment, more than offset the interest on the money borrowed. No better illustration of this can be had than Somerville avenue, which has been constructed permanently for some years, and on which the maintenance expenditure has been practically nothing. Not only on financial grounds do I believe in this, but good streets are a good asset and redound to the credit of any community.

In this connection, I would call attention to the fact that the borrowing capacity of the city January 1, 1912, is \$231,747.15. The bond maturities for the year are \$177,000, of which sum \$162,000 is within the debt limit, and the borrowing capacity will be increased by that amount, making a total available during the year of \$393,747.15.

A serious problem confronts us as to just how to construct our streets for the use of the automobile, and at the same time render them safe for the horse. This subject must be given careful consideration.

During the past year a large amount of money was spent on our trees. A spraying machine was installed, and I think

this year will witness good results from the work accomplished by it. I recommend that trees be purchased and set out in various sections of the city.

Before leaving consideration of this department, I wish to call attention to the effort that is being made to keep the streets clean. Paper and rubbish continually thrown into the streets greatly hinders the realization of our desire for clean streets and detracts from the good appearance of our city. A large amount of money is spent every year in this work, and we shall endeavor this year to do the work more systematically, but we cannot keep the streets clean unless we have the assistance of the people.

### **The High School Problem.**

The greatest question which confronts us in regard to our schools is the proper accommodation of the high school pupils. Additional space should be made to take care of at least 600 students. From investigation, and in accordance with recommendations by the commissioner of public buildings and the superintendent of schools, it appears that this can be best accomplished by the construction of two wings on the west building, which work was a part of the comprehensive plan originally designed before the addition to the east building in 1906. More space is required for the manual training, commercial and domestic science departments, and laboratories. I would like to see in one of the wings an auditorium capable of seating at least 1,500 pupils. This would be a place where the entire school could come together, and it could also be used by the people at large. A gymnasium is needed, in order that the pupils may have proper physical instruction. At present the pupils in all our schools are getting no practical physical exercise. If nothing else is done to the two buildings, the connecting corridor should be raised immediately so as to connect all the floors. As I stated in my inaugural one year ago, I believe that we should have a physical director in our schools, and, if possible, this director should also take charge of the general athletics.

I think that if a two-years' business course could be inaugurated in our high school, it would meet the require-



ments of many of our young people who cannot afford to remain in the high school four years.

The S. Newton Cutler school is now in course of construction on Powder House boulevard, and is expected to be a distinct addition to our public buildings.

Last year an industrial school for girls was established, which is meeting with great success.

In regard to the increase of pay for the elementary school teachers, there seems to be a general feeling among the people that their salaries should be larger than at the present time. I feel that their demands are just. Of course, it is a question of finding the money. If the school committee can manage to save money in other directions, or if some other arrangements can be made, the teachers' request probably can be met.

Where needed, land is being purchased and playgrounds are being enlarged around the school buildings as fast as possible. The summer playgrounds are a great success, and are doing much good for our young people, and the city should co-operate as far as possible in their continuance. I believe the work last year was conducted on a more comprehensive plan than ever before. We should assist in this splendid work not only as a city, but individually.

#### **Somerville Field.**

During the past year the new Somerville field for recreation was begun and partially completed. A grandstand was constructed, and an area prepared for football and baseball. When completed, this will be one of the finest recreation fields possessed by any municipality. While the city has expended considerable money on this field, it is a good business proposition. I believe that, from the income which will be received from various sources, in twenty years' time, when the last of the bonds will mature, all expenses incidental to the field will have been paid. It is intended to so conduct the field that in the near future the students in the high school and in the senior classes in the grammar schools can attend various contests at a nominal cost, and eventually at no expense.

### **Grade Crossing Abolition.**

The city engineer is making a set of block plans comprising the entire city's area, from accurate surveys made during the past twenty-five years. These plans will be of great value to the assessors and the various departments.

There should be a city ordinance requiring that all underground construction done by private corporations or companies shall be inspected by a competent city employee at the company's expense, so as to eliminate, as far as possible, faulty construction.

The past year witnessed the completion of the grade crossing at Webster avenue. It is hoped that the abolition of the remaining crossings may be completed as soon as possible, so that the commercial development along the line of the railroad may be more rapid.

### **Hospital Work.**

The tuberculosis hospital was completed last year, and equipped and put into operation. The accommodations have been taxed to the limit.

In reference to the Somerville hospital, I will say that it is doing a splendid work. I believe that the money which the city annually appropriates for the hospital should be regarded somewhat on humanitarian lines, and not entirely as a business proposition. I question if the city could maintain a hospital of its own at an expenditure of \$5,000 a year. Taking into consideration the number of patients who are cared for by the hospital at the expense of the city, the number of out-patients who are treated, and the immense benefit which the hospital is to the city, I recommend that the usual sum of \$5,000 be appropriated for the care of the sick poor at this institution.

I am pleased to commend the excellence of the many charitable associations in the city. It has been suggested to me that an organization of the several associations would be of mutual benefit to all of them in carrying on their charitable work.

### **The Public Library.**

In the death of Sam Walter Foss, our public librarian, Somerville lost one of her most esteemed citizens. Few men in our midst were regarded with such affection as he. Mr. Foss was identified for so many years with our library that he seemed a part of the institution.

The library is extending its work and influence by the establishment of branches in the eastern and Union-square sections. For the first time, the gross yearly circulation of books has exceeded half a million, which is a remarkable record.

### **Fire Department Equipment.**

Land has been taken for a new fire station at the top of Winter hill. As soon as possible a building should be erected thereon and apparatus installed to take care of that fast-increasing section. Motor-driven apparatus should be purchased whenever new equipment is needed and the city's finances will permit. It is only a question of time when the horse-drawn apparatus will be a thing of the past. The committee on public safety should investigate the matter of placing a ladder truck in the engine house on Clarendon hill. To continue the good work of this department, its equipment should be kept at the highest standard, in order to get the results which the people expect and must have.

I do not feel that our fire-alarm system is up-to-date, and I would like to see a modern system installed. The committee should give this matter its immediate attention.

### **Inspection of Electric Wiring.**

I have taken up with the commissioner of electric lines and lights the inspection of electric wiring in buildings, from a fire standpoint. The rules and requirements which are adopted for the installation of such wiring are intended to eliminate, as far as possible, the danger from fire which would result from careless and inferior workmanship. It is imperative that any person having work done should co-operate with the department by insisting upon an inspection and approval of such work before accepting it.



### **Betterment of the Police Service.**

The police force has done a great deal of commendable work in the past year. I believe that the personnel in general is good. There are a few men in the force who do not meet the requirements of a progressive, up-to-date patrolman. These men are receiving attention, and I hope better results will be obtained this year than in the past. We should have two sergeants on the streets during the daytime, and if any of the present sergeants are not capable of performing street duty, they should be retired and men put in their places who can do the work. The police-signal system is obsolete, and we should install a new one, and I recommend that the committee on public safety take this matter up immediately. There should be a general overhauling of the police station. New cells should be put in, new floors laid, and the interior rearranged. I shall insist the present year on the officers having revolver practice, and all should be supplied with up-to-date revolvers of some good, standard make. As I stated in my inaugural one year ago, the department should be conducted on a military basis. There was installed last year an automobile patrol and ambulance, which is of tremendous help to the department.

### **Liquor Licenses.**

I wish to commend the committee on licenses for the manner in which they performed their duty during the year. I feel that the city government legislated in reference to the druggists' and expressmen's licenses with due regard to the laws of the state and the best interests of our people. We are absolutely opposed to the licensing of the saloon to do business in our city, as shown by the decisive no-license vote, but the question of licensing druggists and expressmen is an entirely separate one, and it is of such importance that I would like, if possible, that the question might be referred to the voters.

### **Readjustment of Street Lights.**

The committee on electric lines and lights, with the commissioner, has started a system of readjustment of the street lights of the city. It is hoped that, when the work is com-

pleted, the city will be better lighted than ever before, and on a more economic basis. The most recent, improved magnetite lamps are to be placed on Broadway, from the Charlestown to the Arlington line, brilliantly illuminating this splendid thoroughfare.

#### **Light and Power for Central Hill Buildings.**

The recommendation contained in the finance report for an electric generating plant for furnishing light and power for the municipal buildings on Central hill, it seems to me, should be given careful consideration by your honorable board early in the year. The installation of such a plant will entail considerable expense, but it may be found that a great saving can be made in this particular item of maintenance.

#### **Bathing Facilities.**

The popularity of the bathing beach on the Mystic river continued during the past year to such an extent that it is almost imperative that the city should acquire land there and erect a permanent plant for bathing facilities.

#### **Metropolitan District Developments.**

The metropolitan plan commission, appointed to report as to the feasibility of a plan for the metropolitan district, and to draft legislation, will probably report its findings to the incoming legislature. This commission will take up, if the bill passes, the planning of the development of the whole metropolitan district. I was present at a conference in regard to this bill, and stated that Somerville would oppose anything whereby it would seem that our metropolitan assessments would be increased. These assessments have increased in the last ten years practically sixty-five per cent., and they have reached such alarming proportions that it would seem to be about time that a halt was called. I hope that the members of the legislature from Somerville, if this bill comes before them, will give it their careful consideration.

#### **Finance Committee Report.**

The committee on finance, under an order adopted by the board of aldermen, made a study of the finances of the city.

The members of this committee are to be commended for the work which they did for the city, especially when it is taken into consideration that these men receive no remuneration for their labor. While I do not agree with them in all of their recommendations, yet the report is evidence of the large amount of study given the various departments. This report, with recommendations, has been referred to your honorable board for your consideration.

In order to reduce expenses, it seems wise that the plan of consolidating departments should progress as rapidly as possible. While I had some objections to merging the collection of ashes and offal with the highway department, the expense of this work has increased to such proportions it seemed advisable that something should be done. The control of the appropriation for this work now comes directly under the mayor and aldermen, and it is my hope that through this consolidation the expense of doing this work will be materially reduced.

The average amount paid the veterans or their widows for soldiers' relief is \$8.85 per month. It does not appear that this average can, or should, be reduced. Under the new ordinance now in effect, an agent is to be appointed by the mayor and confirmed by your honorable board, who will investigate all cases. The only effect this will have, for the present at least, in my opinion, will be, possibly, the distributing of the money more equitably.

The new ordinance, now in effect, in relation to the city auditor has increased the duties of the city auditor materially, and I feel that, as a whole, the system will be improved. There will be no substantial increase in the maintenance of this department for the present year.

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I have tried to co-operate, as far as possible, with the heads of departments in giving to the city a progressive, business administration. Payments have been made promptly, in order to secure cash discounts whenever possible, and this policy will continue.

We should undertake to co-operate with each other and



give the city a clean, business administration. I appreciate the honor which the people have paid me in re-electing me to the highest office within their gift, and I shall continue in my endeavor to discharge my duties with credit both to my city and myself.

I wish you and all of our people a Prosperous and Happy New Year.

### **Financial Statement.**

The total amount of taxable property April 1, 1911, was \$67,284,066, of which \$59,837,100 was real estate and \$7,446,966 was personal estate. At a rate of \$19.10 on each \$1,000 of valuation, the tax was \$1,285,125.66. There were 22,414 polls at \$2, making \$44,828. Amount assessed for street sprinkling, \$33,544.15, and for the extermination of gypsy and brown-tail moths, \$1,166.71, a total of \$1,364,664.52, to which sum add \$1,576.40 on non-resident bank shares to be paid the state, making a total tax levy of \$1,366,240.92. The total number of persons assessed, resident and non-resident, was 30,543.

Of the amount of the tax levy, \$247,000 is required for the debt provisions; \$245,725.66 for state and county taxes, metropolitan district assessments, overlay and abatement, etc., matters over which the city has no control; \$425,675 for current expenses of departments, over which the board of aldermen has no control; \$366,725 for current expenses within control of the board of aldermen. The same statement based upon \$19.10 per thousand is as follows: Of each \$19.10, \$3.65 is for state, county, and metropolitan taxes and overlay and abatement; \$3.67 for debt requirements; \$6.33 for current expenses over which the board of aldermen has no control; \$5.45 for current expenses within control of the board of aldermen.

In addition to the amount received from taxes, there was available last year the sum of \$226,554.24 on water income account; \$27,189.13 from corporation and bank taxes; from the clerk of the courts, \$2,336; from the county for dog licenses, \$3,949.82; street railway tax, \$50,836.88; Boston Elevated Railway tax, \$10,000.74; a total of \$320,866.81, making the total amount available from these sources and from taxes \$1,685,531.33.

Funded Debt.—The funded debt of the city January 1, 1911, was as follows:—

City Loan . . . . .	\$1,050,000 00
Sewer Loan . . . . .	332,000 00
Paving Loan . . . . .	10,000 00
Water Loan . . . . .	50,000 00
Metropolitan Park Assessment Loan . . . . .	19,000 00
Lowell Street Bridge Loan . . . . .	39,000 00
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	\$1,500,000 00

The debt was increased during the year by appropriations made by the board of aldermen, as follows:—

Highways Construction . . . . .	\$50,000 00
Highways, Paved Gutters and Crossings, . . . . .	6,500 00
Building Public Buildings . . . . .	70,000 00
Sewers Construction . . . . .	20,000 00
Sidewalks Construction . . . . .	20,000 00
Police Department, Additional Equip- ment . . . . .	4,000 00
Recreation Field, Alewife Brook . . . . .	15,000 00
Fire Department, Additional Apparatus . . . . .	2,500 00
	<hr/>
	\$188,000 00

The debt was reduced during the year by maturities as follows:—

City Loan . . . . .	\$133,000 00
Sewer Loan . . . . .	18,000 00
Paving Loan . . . . .	5,000 00
Water Loan . . . . .	6,000 00
Metropolitan Park Assessment Loan . . . . .	1,000 00
Lowell Street Bridge Loan . . . . .	1,000 00
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	\$169,000 00

Leaving the funded debt of the city January 1, 1912, \$1,519,000 (an increase of \$19,000 over the previous year), in bonds classified as follows:—

City Loan, at 3½ per cent. . . . .	\$277,000 00
City Loan, at 4 per cent. . . . .	803,000 00
Sewer Loan, at 3½ per cent. . . . .	88,000 00
Sewer Loan, at 4 per cent. . . . .	246,000 00
Paving Loan, at 4 per cent. . . . .	5,000 00
Water Loan, at 4 per cent. . . . .	44,000 00
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Amount carried forward . . . . . \$1,463,000 00

Amount brought forward . . . . .	\$1,463,000 00
Metropolitan Park Assessment Loan, at 3½ per cent. . . . .	18,000 00
Lowell Street Bridge Loan, at 3½ per cent. . . . .	38,000 00
	\$1,519,000 00

The foregoing amount represents the net indebtedness of the city, the unfunded liabilities for the temporary loans, etc., being equaled by its assets, which consist of uncollected taxes, sewer and sidewalk assessments, etc.

Taxes.—The assessors' warrant for the tax levy assessed upon the polls and estates of the inhabitants, as of April 1, 1911, was duly submitted to the collector.

The total amount of taxable property, not including non-resident bank shares, was \$67,284,066, and the rate established was \$19.10 on each \$1,000 valuation, as follows:—

Real estate, valuation . . . . .	\$59,837,100 00
Personal estate, valuation . . . . .	7,387,200 00
Resident bank shares . . . . .	59,766 00
	\$67,284,066 00
Total valuation . . . . .	\$67,284,066 00
At a rate of \$19.10 on each \$1,000 valuation . . . . .	\$1,285,125 66
Polls, 22,414 at \$2 . . . . .	44,828 00
Street sprinkling . . . . .	33,544 15
Extermination gypsy and brown-tail moths . . . . .	1,166 71
	\$1,364,664 52
Non-resident bank shares, \$82,534 at \$19.10 . . . . .	1,576 40
	\$1,366,240 92
Total amount of tax levy . . . . .	\$1,366,240 92
Total number of persons assessed, resident and non-resident, 30,543.	

Appropriations.—The amount of revenue provided by the tax levy may properly be classified as follows:—

	Rate assessed on \$1,000 valuation.	Amount.
For current expenses within the control of the board of aldermen . . . . .	\$5 45	\$366,725 00
Amounts carried forward . . . . .	\$5 45	\$366,725 00



Amounts brought forward . . .	\$5 45	\$366,725 00
Current expenses of departments over which the board of aldermen has no control . . .	6 33	425,675 00
Debt requirements . . .	3 67	247,000 00
State and county taxes, metropolitan district assessments, and Overlay account . . .	3 65	245,725 66
<hr/>		
Total amount assessed on a valuation of \$67,284,066 at . . .	\$19 10	\$1,285,125 66
Non-resident bank shares . . .		1,576 40
Poll taxes assessed, credited to state and county . . .		44,828 00
Street sprinkling . . .		33,544 15
Extermination gypsy and brown-tail moths . . .		1,166 71
<hr/>		
Total amount of tax levy . . .		\$1,366,240 92

The appropriations to the various accounts were as follows:—

	Within Control of Board of Aldermen.	Without the Control of the Board of Aldermen.
General Government . . .	\$68,400 00	
Protection of Life and Property . . .	126,600 00	
Health and Sanitation . . .	6,950 00	\$62,175 00
Highways . . .	51,600 00	
Charities . . .	6,800 00	15,500 00
Soldiers' Benefits . . .	23,400 00	
Education . . .	62,000 00	326,000 00
Libraries . . .	5,450 00	22,000 00
Recreation . . .	14,025 00	
Unclassified . . .	1,500 00	
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	\$366,725 00	\$425,675 00
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Total amount assessed on a valuation of \$67,284,066 at \$5.45 . . .	\$366,725 00	
Total amount assessed on a valuation of \$67,284,066 at \$6.33 . . .		\$425,675 00

## ACCOUNTS PROVIDING FOR DEBT REQUIREMENTS.

Interest . . . . .	\$85,000 00
Reduction of Funded Debt . . . . .	162,000 00
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Total amount assessed on a valuation of \$67,284,066 at \$3.67 . . . . .	\$247,000 00

## PROVIDING FOR STATE AND COUNTY TAXES, ETC.

State Tax . . . . .	\$93,335 00
Deduct one-half of poll taxes . . . . .	22,414 00
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	\$70,921 00
Grade Crossing Tax . . . . .	6,715 09
State Highway Tax . . . . .	58 00
Abatement of Smoke, Boston and vicinity . . . . .	197 91
County Tax . . . . .	\$59,591 69
Deduct one-half of poll taxes . . . . .	22,414 00
	<hr/>
	37,177 69
Metropolitan Sewer Assessment . . . . .	64,250 86
Metropolitan Park Assessment . . . . .	37,797 26
Charles River Basin Assessment . . . . .	15,631 40
Alewife Brook Assessment . . . . .	901 67
Wellington Bridge Assessment . . . . .	813 98
Overlay and Abatement . . . . .	11,260 80
	<hr/>
Total amount assessed on a valuation of \$67,284,066 at \$3.65 . . . . .	\$245,725 66
Collected for state on non-resident bank . . . . .	1,576 40
	<hr/>
	\$247,302 06

In addition to the above, the following appropriations were made from the various income accounts:—

From the income of the water works:—

Water Maintenance . . . . .	\$25,000 00
Less unexpended balance . . . . .	556 62
	<hr/>
	\$24,443 38
Water Loan Interest . . . . .	1,980 00
Reduction of Funded Debt, Water Loan Bonds . . . . .	6,000 00
Metropolitan Water Assessment . . . . .	115,094 29
Water Works Extension . . . . .	13,500 00
Sewers Maintenance . . . . .	13,000 00
Fire Department . . . . .	50,000 00
	<hr/>
Amount carried forward . . . . .	\$224,017 67

Amount brought forward . . . . .	\$224,017 67
Reduction of Funded Debt . . . . .	1,730 24
Public Buildings Department, Maintenance Water Buildings . . . . .	806 33
	<hr/>
	\$226,554 24

From the income from the state and county:—

Police, the amount received from the state for corporation taxes . . . . .	\$22,808 82
Police, the amount received from the state for bank taxes . . . . .	4,380 31
Police, the amount received from the clerk of the courts, for fines, costs, etc. . . . .	2,336 00
Public Library, the amount received from the county for dog licenses . . . . .	3,949 82
Highways Maintenance, from street railway tax . . . . .	50,836 88
Highways Maintenance, from Boston Elevated Railway tax . . . . .	10,000 74
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Total . . . . .	\$94,312 57
Total from water income and from state and county . . . . .	<u>\$320,866 81</u>

The aggregate appropriations from tax levy and from income were as follows:—

From tax levy . . . . .	\$1,364,664 52
From income . . . . .	320,866 81
	<hr/>
	\$1,685,531 33



The following tables, giving a condensed history of the city's finances, are herewith presented for reference:—

YEAR.	Amount of Funded Debt.	Increase of Funded Debt.	Reduction of Funded Debt.	Tax Rate per \$1,000 Valuation on Account of Reduction of Funded Debt.
Town . . . . .	\$593,349			
Dec. 31, 1872 . . . . .	643,354	\$50,005	. . .	. . .
" 1873 . . . . .	809,354	166,000	. . .	. . .
" 1874 . . . . .	1,419,854	610,500	. . .	. . .
" 1875 . . . . .	1,571,854	152,000	. . .	. . .
" 1876 . . . . .	1,606,854	45,000	*\$55,130 62	\$2 07
" 1877 . . . . .	1,606,854	10,000	*58,828 58	2 30
" 1878 . . . . .	1,596,854	. . .	61,004 64	2 91
" 1879 . . . . .	1,585,000	. . .	64,915 76	3 42
" 1880 . . . . .	1,585,000	. . .	55,739 35	2 72
" 1881 . . . . .	1,585,000	. . .	58,498 64	2 59
" 1882 . . . . .	1,585,000	. . .	61,390 59	2 65
" 1883 . . . . .	1,585,000	. . .	64,479 01	2 70
" 1884 . . . . .	1,585,000	. . .	67,719 33	2 78
" 1885 . . . . .	†1,525,000	. . .	71,305 66	2 87
" 1886 . . . . .	1,525,000	. . .	66,894 23	2 57
" 1887 . . . . .	1,525,000	. . .	70,252 88	2 56
" 1888 . . . . .	†860,500	25,000	37,000 00	1 28
" 1889 . . . . .	952,500	130,000	38,000 00	1 27
" 1890 . . . . .	1,057,500	150,000	45,000 00	1 38
" 1891 . . . . .	1,045,500	45,000	57,000 00	1 55
" 1892 . . . . .	1,194,500	253,000	104,000 00	2 73
" 1893 . . . . .	1,279,500	222,000	137,000 00	3 27
" 1894 . . . . .	1,344,500	172,000	107,000 00	2 42
" 1895 . . . . .	1,506,500	247,000	85,000 00	1 83
" 1896 . . . . .	1,531,000	177,000	152,500 00	3 11
" 1897 . . . . .	1,548,000	167,000	150,000 00	2 39
" 1898 . . . . .	1,552,000	176,000	172,000 00	3 99
" 1899 . . . . .	1,492,500	110,000	169,500 00	3 30
" 1900 . . . . .	1,478,000	152,000	166,500 00	3 17
" 1901 . . . . .	1,461,000	146,000	163,000 00	3 02
" 1902 . . . . .	1,447,000	175,000	159,000 00	2 86
" 1903 . . . . .	1,505,500	197,500	169,000 00	2 96
" 1904 . . . . .	1,498,500	132,500	139,500 00	2 40
" 1905 . . . . .	1,510,000	148,000	136,500 00	2 30
" 1906 . . . . .	1,464,500	100,000	145,500 00	2 41
" 1907 . . . . .	1,508,000	198,000	154,500 00	2 51
" 1908 . . . . .	1,466,500	110,000	151,500 00	2 06
" 1909 . . . . .	1,503,000	190,000	153,500 00	2 42
" 1910 . . . . .	1,500,000	160,000	163,000 00	2 26
" 1911 . . . . .	1,519,000	188,000	169,000 00	2 41

\*\$10,000 applied to payment of bonds ; balance to sinking funds.

†Sinking fund applied.

YEAR.	VALUATION.	TAX LEVY.	RATE.
1872	\$22,755,325	\$274,374 45	\$13 00
1873	29,643,100	389,214 48	12 80
1874	30,837,700	473,235 50	15 00
1875	31,317,000	518,161 40	16 20
1876	26,573,400	504,475 24	18 60
1877	25,479,400	471,789 14	18 10
1878	20,976,900	409,497 10	19 00
1879	18,950,100	352,553 80	18 00
1880	20,458,100	402,927 71	19 10
1881	22,569,100	452,945 45	19 50
1882	23,162,200	425,721 16	17 80
1883	23,812,900	411,645 43	16 70
1884	24,331,100	418,750 26	16 60
1885	24,878,400	428,605 44	16 60
1886	26,003,200	416,987 28	15 40
1887	27,471,800	424,309 14	14 80
1888	28,765,400	421,458 60	14 00
1889	30,004,600	440,324 40	14 00
1890	32,557,500	447,704 00	14 00
1891	36,843,400	539,137 10	14 00
1892	38,093,100	596,357 50	15 00
1893	41,873,600	675,886 80	15 50
1894	44,142,900	721,165 54	15 70
1895	46,506,300	745,609 02	15 40
1896	49,070,800	786,412 32	15 40
1897	50,231,000	913,574 42	17 30
1898	50,739,700	954,187 11	17 90
1899	51,262,400	882,580 96	16 30
1900	52,578,200	889,916 08	16 00
1901	53,924,200	907,439 82	15 90
1902	55,558,300	964,535 80	16 40
1903	57,062,000	1,038,849 84	17 20
1904	58,137,900	1,059,292 56	17 20
1905	59,233,000	1,144,000 14	18 30
1906	60,371,500	1,114,023 62	17 40
1907	61,627,200	1,144,434 92	17 40
1908	63,158,400	1,237,694 72	18 40
1909	63,658,953 20	1,260,144 32	18 60
1910	66,376,338 70	1,306,888 71	18 50
1911	67,284,066 00	1,366,240 92	19 10

# REPORT OF THE CITY TREASURER AND COLLECTOR OF TAXES.

Treasurer's Office, February 20, 1912.

To the Honorable, the Mayor, and the Board of Aldermen of the City of Somerville:—

Gentlemen: The undersigned presents herewith the fortieth annual report of the financial condition of the city, and a statement showing, in detail, the receipts and disbursements for the year ending December 31, 1911.

## Public Property.

The value of the public property of the city December 31, 1910, was \$5,423,411.80. The property acquired during the year was as follows:—

City Hall, Additional Accommodations . . . . .	\$2,313 42	
Police Department, paid on Ambulance and Patrol Auto- mobile . . . . .	2,000 00	
Police Building, Vault . . . . .	2,851 80	
Care of Trees, Spraying Machine . . . . .	1,289 00	
Tuberculosis Hospital Construction:—		
Building . . . . .	\$3,900 68	
Furniture . . . . .	949 90	
	4,850 58	
Tuberculosis Hospital, Supplies, Bedding, etc.:—		
In Health Department, Tuberculosis Hospital . . . . .	\$781 69	
In Health Department, Contagious Disease Hospital . . . . .	267 45	
	1,049 14	
Sewers, Construction . . . . .	\$10,934 30	
Less catch basins and stock on hand . . . . .	4,331 50	
	6,602 80	
Bennett School Addition, 2,857 feet of land . . . . .	800 00	
Martin W. Carr School, Land Addition, 1,080 feet of land, Industrial School for Girls:—	410 00	
8,850 feet of land, and buildings . . . . .	\$6,700 00	
Improvement . . . . .	2,637 72	
Equipment (School Contingent ac- count) . . . . .	211 02	
	9,548 74	
Davis School, Vocational Equipment . . . . .	3,734 57	
William H. Hodgkins School Addition:—		
Land, 12,345 feet . . . . .	\$3,272 45	
Fence and grading . . . . .	678 25	
	3,950 70	
Schoolhouse in Ward Seven (S. Newton Cutler School):—		
Land, 53,729 feet . . . . .	\$18,928 94	
Building (partially completed) . . . . .	8,761 09	
	27,690 03	
Park Buildings, Broadway and Lincoln Parks:—		
Broadway Park . . . . .	\$851 31	
Lincoln Park . . . . .	1,111 51	
	1,962 82	
Amount carried forward . . . . .		\$69,053 60



Amount brought forward . . . . .		\$69,053 60
Recreation Field, Alewife Brook . . . . .		19,925 32
Water Works Extension . . . . .	\$14,970 34	
Less Water Service Assessments . . . . .	4,200 44	
		<u>10,769 90</u>
		\$99,748 82
Less sale of Waltham land . . . . .	\$3,075 00	
Gravel sold Boston & Maine Railroad . . . . .	1,083 95	
		<u>4,158 95</u>
Property acquired in 1911 . . . . .		\$95,589 87
Making the total public property December 31, 1911 . . . . .		\$5,519,001 67

#### Funded Debt.

The funded debt December 31, 1910, as per Table B of the last annual report, was \$1,500,000.

The debt was increased during the year by appropriations as follows:—

Highways, Construction . . . . .	\$50,000 00
Highways, Paved Gutters and Crossings . . . . .	6,500 00
Building Public Buildings . . . . .	70,000 00
Sewers, Construction . . . . .	20,000 00
Sidewalks, Construction . . . . .	20,000 00
Police Department, Additional Equipment . . . . .	4,000 00
Fire Department, Additional Apparatus . . . . .	2,500 00
Recreation Field, Alewife Brook . . . . .	15,000 00

Total amount of appropriations on Funded Debt account . . . . .	\$188,000 00
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To provide for the above-mentioned appropriations, coupon bonds to the amount of \$188,000 at 4 per cent. were issued, viz.:—

City Loan Bonds Nos. 3976 to 3989, payable 1912 . . . . .	\$14,000 00
City Loan Bonds Nos. 3990 to 4003, payable 1913 . . . . .	14,000 00
City Loan Bonds Nos. 4004 to 4017, payable 1914 . . . . .	14,000 00
City Loan Bonds Nos. 4018 to 4031, payable 1915 . . . . .	14,000 00
City Loan Bonds Nos. 4032 to 4045, payable 1916 . . . . .	14,000 00
City Loan Bonds Nos. 4046 to 4059, payable 1917 . . . . .	14,000 00
City Loan Bonds Nos. 4060 to 4073, payable 1918 . . . . .	14,000 00
City Loan Bonds Nos. 4074 to 4087, payable 1919 . . . . .	14,000 00
City Loan Bonds Nos. 4088 to 4100, payable 1920 . . . . .	13,000 00
City Loan Bonds Nos. 4101 to 4113, payable 1921 . . . . .	13,000 00
City Loan Bonds Nos. 4114 to 4116, payable 1922 . . . . .	3,000 00
City Loan Bonds Nos. 4117 to 4119, payable 1923 . . . . .	3,000 00
City Loan Bonds Nos. 4120 to 4122, payable 1924 . . . . .	3,000 00
City Loan Bonds Nos. 4123 to 4125, payable 1925 . . . . .	3,000 00
City Loan Bonds Nos. 4126 to 4128, payable 1926 . . . . .	3,000 00
City Loan Bonds Nos. 4129 to 4131, payable 1927 . . . . .	3,000 00
City Loan Bonds Nos. 4132 to 4134, payable 1928 . . . . .	3,000 00
City Loan Bonds Nos. 4135 to 4137, payable 1929 . . . . .	3,000 00
City Loan Bonds Nos. 4138 to 4140, payable 1930 . . . . .	3,000 00
City Loan Bonds Nos. 4141 to 4143, payable 1931 . . . . .	3,000 00
Sewer Loan Bonds Nos. 529 to 548, payable 1912 to 1931 . . . . .	20,000 00

Total amount of bonds issued in 1911 . . . . .	\$188,000 00
--	--------------

\$65,500 of coupon bonds were exchanged for registered bonds during the year.

The following bonds became due during the year:—

City Loan Bonds Nos. 1710 to 1715, interest 4 per cent.	\$6,000 00
City Loan Bonds Nos. 1991 to 2000, interest 4 per cent.	10,000 00
City Loan Bond No. Reg. 185, interest 4 per cent.	1,000 00
City Loan Bonds Nos. 2002 to 2004, interest 4 per cent.	3,000 00
City Loan Bonds Nos. 2180 to 2187, interest 4 per cent.	8,000 00
City Loan Bonds Nos. 2336 to 2340, interest 4 per cent.	5,000 00
City Loan Bonds Nos. 2476 to 2480, interest 4 per cent.	5,000 00
City Loan Bonds Nos. 2596 to 2599, interest 4 per cent.	4,000 00
City Loan Bonds Nos. 2736 to 2740, interest 3½ per cent.	5,000 00
City Loan Bonds Nos. 2847 to 2853, interest 3½ per cent.	7,000 00
City Loan Bond No. Reg. 165, interest 3½ per cent.	7,000 00
City Loan Bonds Nos. 2974 to 2975, interest 3½ per cent.	2,000 00
City Loan Bonds Nos. 3083 to 3091, interest 4 per cent.	9,000 00
City Loan Bonds Nos. 3244 to 3252, interest 4 per cent.	8,000 00
City Loan Bonds Nos. 3164 to 3165, interest 4 per cent.	2,000 00
City Loan Bond No. Reg. 116, interest 3½ per cent.	9,000 00
City Loan Bonds Nos. 3460 to 3464, interest 4 per cent.	5,000 00
City Loan Bond No. Reg. 13, interest 4 per cent.	3,000 00
City Loan Bond No. Reg. 17, interest 4 per cent.	6,000 00
City Loan Bonds Nos. 3547 to 3551, interest 4 per cent.	5,000 00
City Loan Bonds Nos. 3660 to 3666, interest 4 per cent.	7,000 00
City Loan Bonds Nos. 3737 to 3747, interest 3½ per cent.	11,000 00
City Loan Bonds Nos. 3846 to 3855, interest 4 per cent.	10,000 00
Sewer Loan Bond No. 53, interest 4½ per cent.	1,000 00
Sewer Loan Bond No. 70, interest 4 per cent.	1,000 00
Sewer Loan Bonds Nos. 129 to 131, interest 4 per cent.	3,000 00
Sewer Loan Bond No. 187, interest 4 per cent.	1,000 00
Sewer Loan Bond No. 211, interest 4 per cent.	1,000 00
Sewer Loan Bond No. 233, interest 3½ per cent.	1,000 00
Sewer Loan Bond No. Reg. 169, interest 3½ per cent.	1,000 00
Sewer Loan Bond No. 286, interest 4 per cent.	1,000 00
Sewer Loan Bond No. 310, interest 4 per cent.	1,000 00
Sewer Loan Bond No. Reg. 134, interest 3½ per cent.	1,000 00
Sewer Loan Bond No. 363, interest 4 per cent.	1,000 00
Sewer Loan Bond No. Reg. 21, interest 4 per cent.	2,000 00
Sewer Loan Bond No. 441, interest 4 per cent.	1,000 00
Sewer Loan Bond No. 470, interest 3½ per cent.	1,000 00
Sewer Loan Bond No. 499, interest 4 per cent.	1,000 00
Paving Loan Bonds Nos. 91 to 95, interest 4 per cent.	5,000 00
Water Loan Bond No. 295, interest 4 per cent.	1,000 00
Water Loan Bond No. Reg. 104, interest 4 per cent.	3,000 00
Water Loan Bonds Nos. 428 to 429, interest 4 per cent.	2,000 00
Metropolitan Park Assessment Loan Bond No. Reg. 151, interest 3½ per cent.	1,000 00
Lowell Street Bridge Loan Bond No. 2, interest 3½ per cent.	1,000 00

Total amount of bonds maturing in 1911 . . . . . \$169,000 00

Leaving the net funded debt December 31, 1911, \$1,519,-  
000, classified as follows:—

	Registered.	Coupon.
City Loan Bonds at 3½ per cent.	\$74,000 00	\$203,000 00
City Loan Bonds at 4 per cent.	119,500 00	683,500 00
Sewer Loan Bonds at 3½ per cent.	30,000 00	58,000 00
Sewer Loan Bonds at 4 per cent.	66,000 00	180,000 00
Amounts carried forward . . . . .	\$289,500 00	\$1,124,500 00

Amounts brought forward . . . . .	\$289,500 00	\$1,124,500 00
Paving Loan Bonds at 4 per cent. . . . .		5,000 00
Water Loan Bonds at 4 per cent. . . . .	22,000 00	22,000 00
Metropolitan Park Assessment Loan Bonds at 3½ per cent. . . . .	1,000 00	17,000 00
Lowell Street Bridge Loan Bonds at 3½ per cent. . . . .	5,000 00	33,000 00
	<u>\$317,500 00</u>	<u>\$1,201,500 00</u>

Registered Bonds . . . . .		\$317,500 00
Coupon Bonds . . . . .		1,201,500 00
		<u>\$1,519,000 00</u>

Funded debt within the limit fixed by law:—

City Loan . . . . .	\$1,080,000 00	
Sewer Loan . . . . .	292,000 00	
Lowell Street Bridge Loan . . . . .	38,000 00	
		<u>\$1,410,000 00</u>

Funded debt beyond the limit fixed by law:—

Paving Loan (Chapter 153, Acts 1892) . . . . .	\$5,000 00	
Sewer Loan (Chapter 357, Acts 1895) . . . . .	42,000 00	
Metropolitan Park Assessment Loan (Chapter 325, Acts 1902) . . . . .	18,000 00	
	<u>\$65,000 00</u>	
Water Loan . . . . .	44,000 00	
		<u>109,000 00</u>
		<u>\$1,519,000 00</u>

### Resources.

The assessors' warrant for the tax levy, assessed upon the polls and estates of the inhabitants, was duly received.

The total amount of taxable property April 1, 1911, was \$67,284,066, and the rate of taxation was \$19.10 on each \$1,000 of valuation, as follows:—

Real estate, valuation . . . . .	\$59,837,100 00
Personal estate, valuation . . . . .	7,446,966 00
	<u>\$67,284,066 00</u>

At a rate of \$19.10 on \$1,000 valuation . . . . .	\$1,285,125 66
Polls, 22,414 at \$2 . . . . .	44,828 00
Street sprinkling . . . . .	33,544 15
Gypsy and brown-tail moth extermination . . . . .	1,166 71
Non-resident bank shares to be paid to state . . . . .	1,576 40
	<u>\$1,366,240 92</u>

Total amount of tax levy . . . . .	\$1,366,240 92
Borrowed on Funded Debt account, to provide for the cost of public improvements . . . . .	188,000 00
Water works income . . . . .	226,554 24
National bank taxes, applied to Police . . . . .	4,380 31
Corporation taxes, applied to Police . . . . .	22,803 82
Court fees, fines, etc., applied to Police . . . . .	2,336 00
	<u>\$1,810,320 29</u>

Amount carried forward . . . . . \$1,810,320 29

Amount brought forward . . . . .	\$1,810,320 29
County of Middlesex, dog licenses, applied to Public Library . . . . .	3,949 82
Street Railway tax, applied to Highways Maintenance . . . . .	50,836 88
Boston Elevated Railway tax, applied to Highways Maintenance . . . . .	10,000 74
	<hr/>
Total amount of resources . . . . .	\$1,875,107 73

**Appropriations from Funded Debt and from Income.**

CREDIT BALANCES.

Municipal Buildings, Vaults . . . . .	\$2,800 00
City Hall, Additional Accommodations . . . . .	186 58
Police Department, Additional Equipment . . . . .	2,000 00
Police Building, Vault . . . . .	148 20
Fire Station, Winter Hill . . . . .	5,000 00
Electrical Department, Underground Construction . . . . .	1,077 37
Sewers, Construction . . . . .	6,009 76
Incinerator Building . . . . .	121 11
Highways, Construction . . . . .	1,733 54
Sidewalks, Construction . . . . .	62 38
Lowell Street Bridges . . . . .	2,407 18
City Home Addition . . . . .	7,983 43
Bennett School Addition . . . . .	1,190 00
Burns School Addition . . . . .	778 00
William H. Hodgkins School Addition . . . . .	5,029 85
Industrial School for Girls . . . . .	162 28
Schoolhouse in Ward Seven . . . . .	50,302 52
Schoolhouses, Additional Window Space . . . . .	404 46
Ward One Branch Library . . . . .	132 72
Union Square Branch Library . . . . .	815 55
Recreation Field, Alewife Brook . . . . .	74 68
Building Public Buildings . . . . .	90 02
	<hr/>
	\$88,509 63
Highways, Maintenance . . . . .	2,769 90
Library Trust Funds, Income:—	
Isaac Pitman Fund, Art . . . . .	\$285 29
Isaac Pitman Fund, Poetry . . . . .	82 26
Frances A. Wilder Children's Department Fund . . . . .	6 15
Martha R. Hunt Fund, Books . . . . .	447 00
Martha R. Hunt Fund, Art . . . . .	52 50
	<hr/>
	873 20
Reduction of Funded Debt . . . . .	7,579 80
	<hr/>
	\$99,732 53

**Cash.**

Balance on hand January 1, 1911 . . . . .	\$107,788 97
Total cash receipts for the year 1911 . . . . .	2,798,516 12
	<hr/>
Total cash disbursements for the year 1911 . . . . .	\$2,906,305 09
	<hr/>
Balance in the treasury December 31, 1911 . . . . .	\$110,329 09
Deposits in banks . . . . .	\$105,831 80
Cash on hand . . . . .	4,497 29
	<hr/>
	\$110,329 09



**Assets and Liabilities.**

The assets of the city available for the payment of its unfunded liabilities are as follows:—

Available assets:—

Taxes, uncollected . . . . .	\$282,503 45	
Highway Betterment Assessments, uncollected . . . . .	2,604 14	
Sewer Assessments, uncollected . . . . .	4,872 53	
Sidewalk Assessments, uncollected . . . . .	13,101 95	
Metered Water Charges, uncollected . . . . .	16,459 80	
	<hr/>	\$319,541 87
Commonwealth of Massachusetts:—		
State Aid . . . . .	\$16,218 00	
Military Aid . . . . .	414 00	
Soldiers' Burials . . . . .	481 00	
	<hr/>	17,113 00
Grade Crossings (cash advanced for land damages) . . . . .		39,314 11
Real Estate Liens . . . . .		631 83
Cash in treasury . . . . .		110,329 09
		<hr/>
		\$486,929 90
Unfunded liabilities:—		
Coupons . . . . .	\$11,087 50	
Overplus on Tax Sales . . . . .	118 13	
Sundry Persons . . . . .	750 88	
Temporary Loans . . . . .	350,000 00	
	<hr/>	\$361,956 51
Excess of available assets . . . . .		\$124,973 39

**Balance Sheet.**

	DEBIT.	
Public Property . . . . .	\$5,519,001 67	
Excess of available assets . . . . .	124,973 39	
	<hr/>	\$5,643,975 06
	CREDIT.	
Excess of appropriations from Funded Debt and from Income . . . . .	\$99,732 53	
Excess of appropriations from tax levy . . . . .	4,932 37	
Overlay and Abatement . . . . .	20,303 49	
Present Funded Debt . . . . .	1,519,000 00	
	<hr/>	\$1,643,973 39
Property and Debt Balance . . . . .	4,000,001 67	
	<hr/>	\$5,643,975 06

A detailed statement of the public property, funded debt, and the receipts and disbursements of the several accounts will be found in the following appendix.

Respectfully submitted,

JOSEPH S. PIKE,

Treasurer and Collector of Taxes.

APPENDIX TO TREASURER AND COLLECTOR'S REPORT.

TABLE A.—PUBLIC PROPERTY DECEMBER 31, 1911.

Central Hill land (389,920 feet) . . . . .		\$270,000 00
City Hall . . . . .	\$37,645 74	
Furniture and fixtures . . . . .	10,000 00	
Storage vault . . . . .	2,342 91	
	<hr/>	49,988 65
Public Library building . . . . .	42,000 00	
Public Library land and building, West Somerville . . . . .	31,449 52	
Public Library . . . . .	25,000 00	
	<hr/>	98,449 52
City Hall Annex . . . . .		20,655 02
Albion A. Perry Schoolhouse, Washington street, land (46,080 feet) and building . . . . .	36,000 00	
Furniture . . . . .	1,080 00	
Books . . . . .	530 00	
	<hr/>	37,610 00
Bingham Schoolhouse, land (35,586 feet) and building . . . . .	67,405 04	
Furniture . . . . .	2,600 00	
Books . . . . .	2,300 00	
	<hr/>	72,305 04
Burns Schoolhouse, land (16,080 feet) and building . . . . .	33,300 00	
Furniture . . . . .	1,460 00	
Books . . . . .	1,000 00	
	<hr/>	35,760 00
Charles G. Pope Schoolhouse, land (27,236 feet) and building . . . . .	83,600 00	
Furniture . . . . .	2,160 00	
Books . . . . .	2,600 00	
	<hr/>	88,360 00
Cummings Schoolhouse, land (11,300 feet) and building . . . . .	11,200 00	
Furniture . . . . .	720 00	
Books . . . . .	500 00	
	<hr/>	12,420 00
Davis Schoolhouse, land (30,155 feet) and building . . . . .	22,000 00	
Furniture . . . . .	720 00	
Books . . . . .	400 00	
Vocational equipment . . . . .	5,183 50	
	<hr/>	28,303 50
Ederly Schoolhouse, land (24,000 feet) and building . . . . .	43,300 00	
Furniture . . . . .	2,230 00	
Books . . . . .	2,800 00	
	<hr/>	48,830 00
English High Schoolhouse . . . . .	137,259 66	
Furniture . . . . .	3,900 00	
Philosophical and manual training ap- paratus . . . . .	10,760 13	
Books . . . . .	12,000 00	
	<hr/>	163,919 79
Amount carried forward . . . . .		<hr/> \$926,601 52

Amount brought forward . . . . .		\$926,601 52
Forster Schoolhouse and Annex, land (30,632 feet) and buildings . . . . .	82,000 00	
Furniture . . . . .	3,290 00	
Books . . . . .	4,100 00	
	<hr/>	89,390 00
George L. Baxter Schoolhouse, land (11,000 feet) and building . . . . .	31,800 00	
Furniture . . . . .	1,155 64	
Books . . . . .	450 00	
	<hr/>	33,405 64
George O. Proctor Schoolhouse, building (on Armory lot) (40,244 feet) . . . . .	41,029 16	
Furniture . . . . .	1,791 30	
Books . . . . .	1,200 00	
	<hr/>	44,020 46
George W. Durell Schoolhouse, land (13,883 feet) and building . . . . .	19,000 00	
Furniture . . . . .	720 00	
Books . . . . .	500 00	
	<hr/>	20,220 00
Highland Schoolhouse, land (23,260 feet) and building . . . . .	58,000 00	
Furniture . . . . .	2,560 00	
Books . . . . .	2,800 00	
	<hr/>	63,360 00
Jacob T. Glines Schoolhouse, land (28,800 feet) and building . . . . .	78,200 00	
Furniture . . . . .	2,340 00	
Books . . . . .	2,100 00	
	<hr/>	82,640 00
Latin High Schoolhouse . . . . .	112,061 29	
Furniture . . . . .	2,700 00	
Philosophical apparatus . . . . .	500 00	
Books . . . . .	3,300 00	
	<hr/>	118,561 29
Lincoln Schoolhouse, land (17,662 feet) and building . . . . .	17,500 00	
Furniture . . . . .	720 00	
Books . . . . .	500 00	
	<hr/>	18,720 00
Luther V. Bell Schoolhouse, land (22,262 feet) and building . . . . .	46,496 63	
Furniture . . . . .	2,400 00	
Books . . . . .	2,400 00	
	<hr/>	51,296 63
Martin W. Carr Schoolhouse, land (21,530 feet) and building . . . . .	51,410 00	
Furniture . . . . .	2,800 00	
Books . . . . .	2,800 00	
	<hr/>	57,010 00
Morse Schoolhouse, land (29,000 feet) and building . . . . .	45,859 00	
Furniture . . . . .	2,340 00	
Books . . . . .	2,800 00	
	<hr/>	50,999 00
Martha Perry Lowe Schoolhouse, land (21,650 feet) and building . . . . .	50,346 16	
	<hr/>	
Amounts carried forward . . . . .	\$50,346 16	\$1,556,224 54

APPENDIX TO TREASURER AND COLLECTOR'S REPORT. 29

Amounts brought forward . . . . .	\$50,346 16	\$1,556,224 54
Furniture . . . . .	1,480 00	.
Books . . . . .	800 00	
	<hr/>	52,626 16
O. S. Knapp Schoolhouse, land (24,517 feet) and building . . . . .	48,000 00	
Furniture . . . . .	2,540 00	
Books . . . . .	3,000 00	
	<hr/>	53,540 00
Prescott Schoolhouse, land (22,000 feet) and building . . . . .	64,000 00	
Furniture . . . . .	2,260 00	
Books . . . . .	2,700 00	
	<hr/>	68,960 00
Prospect-hill Schoolhouse, land (23,733 feet) and building . . . . .	.	15,000 00
Benjamin G. Brown Schoolhouse, land (26,733 feet) and building . . . . .	62,861 17	
Furniture . . . . .	1,290 16	
Books . . . . .	700 00	
	<hr/>	64,851 33
Sanford Hanscom Schoolhouse, land (16,767 feet) and building . . . . .	72,210 46	
Furniture . . . . .	1,080 00	
Books . . . . .	500 00	
	<hr/>	73,790 46
Clark W. Bennett Schoolhouse, land (19,107 feet) and building . . . . .	58,068 32	
Furniture . . . . .	2,180 00	
Books . . . . .	1,000 00	
	<hr/>	61,248 32
William H. Hodgkins Schoolhouse, land (47,379 feet) and building . . . . .	73,250 70	
Furniture . . . . .	2,400 00	
Books . . . . .	2,300 00	
	<hr/>	77,950 70
S. Newton Cutler Schoolhouse, land (53,729 feet) . . . . .	18,928 94	
Building (partly completed) . . . . .	8,761 09	
	<hr/>	27,690 03
Industrial School for Girls, land (8,850 feet) . . . . .	4,300 00	
Building . . . . .	5,037 72	
Equipment . . . . .	211 02	
	<hr/>	9,548 74
City Stables, dwelling houses and 462,623 feet of land . . . . .	95,350 12	
Health Department, shed . . . . .	1,189 79	
Incinerator . . . . .	2,704 01	
Equipments for highway repairs . . . . .	21,690 00	
Watering carts and sheds . . . . .	5,000 00	
Spraying machine . . . . .	1,289 00	
	<hr/>	127,222 92
Water Works, land and buildings (93,500 feet) . . . . .	.	32,000 00
No. 1 Fire Station, land (8,937 feet) and building . . . . .	33,200 00	
	<hr/>	
Amounts carried forward . . . . .	\$33,200 00	\$2,220,653 20



Amounts brought forward . . . . .	\$33,200 00	\$2,220,653 20
Engine No. 2 and apparatus . . . . .	4,000 00	
Hose wagon No. 1 and apparatus . . . . .	1,500 00	
Furniture . . . . .	400 00	
	<hr/>	39,100 00
No. 2 Fire Station, land (5,500 feet) and building . . . . .	10,400 00	
Furniture . . . . .	400 00	
Hose wagon No. 2 and apparatus . . . . .	1,500 00	
	<hr/>	12,300 00
No. 3 Fire Station, land (13,700 feet) and building . . . . .	55,743 18	
Furniture . . . . .	400 00	
Hose wagon No. 3 and apparatus . . . . .	1,500 00	
Hook and ladder truck and apparatus . . . . .	3,400 00	
Engine No. 3 . . . . .	5,375 00	
Combination hose and chemical . . . . .	2,250 00	
	<hr/>	68,668 18
No. 4 Fire Station, land (9,100 feet) and building . . . . .	15,500 00	
Furniture . . . . .	400 00	
Engine No. 4 and apparatus . . . . .	4,000 00	
Combination wagon and apparatus . . . . .	2,500 00	
	<hr/>	22,400 00
No. 5 Fire Station, land (39,000 feet) and building . . . . .	16,500 00	
Furniture . . . . .	400 00	
Hose wagon No. 5 and apparatus . . . . .	1,500 00	
	<hr/>	18,400 00
No. 6 Fire Station, land (8,113 feet) and building . . . . .	17,600 00	
Furniture . . . . .	600 00	
Apparatus . . . . .	10,265 45	
Combination hose and chemical . . . . .	2,250 00	
	<hr/>	30,715 45
Hook and Ladder Station No. 2, land (9,903 feet) and building . . . . .	14,100 00	
Furniture . . . . .	1,200 00	
Apparatus . . . . .	12,458 37	
	<hr/>	27,758 37
Central Fire Station, land (11,738 feet) and building . . . . .	36,700 00	
Furniture . . . . .	500 00	
Engine No. 1 and apparatus . . . . .	4,000 00	
Hose wagon and apparatus . . . . .	2,000 00	
Two relief hose carriages . . . . .	1,000 00	
One relief hook and ladder . . . . .	400 00	
Chemical Engine A and equipment . . . . .	2,498 53	
	<hr/>	47,098 53
Fire Alarm and Police Signal apparatus . . . . .		36,610 00
Police Station, land (15,225 feet) and building . . . . .	54,000 00	
Furniture . . . . .	3,000 00	
Vault . . . . .	2,851 80	
	<hr/>	
Amounts carried forward . . . . .	\$59,851 80	\$2,523,703 73

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Amounts brought forward . . . . .	\$59,851 80	\$2,523,703 73
Ambulance and patrol auto (paid on account) . . . . .	2,000 00	
		<hr/>
		61,851 80
City Home, Broadway, land (421,646 feet) and buildings . . . . .	36,807 64	
Furniture . . . . .	1,426 09	
		<hr/>
		38,233 73
Contagious and Tuberculosis Hospital buildings . . . . .	28,499 55	
Land (88,364 feet) . . . . .	15,600 00	
		<hr/>
		44,099 55
Bath House . . . . .		3,730 24
Water Works . . . . .		938,607 01
Sewers . . . . .		1,255,866 10
Prospect street, land (7,918 feet) and building . . . . .		6,800 00
Broadway Park (cost \$212,993.20) (700,000 square feet) . . . . .	\$270,000 00	
Park Buildings . . . . .	2,726 89	
		<hr/>
		272,726 89
Nathan Tufts Park (about 4 54-100 acres, 217,572 feet) . . . . .		68,000 00
Lincoln Park, Washington street (288,764 square feet) . . . . .	\$63,200 00	
Out-door Gymnasium . . . . .	800 00	
Park Building . . . . .	2,758 69	
		<hr/>
		66,758 69
Prospect-hill Park (94,503 feet) . . . . .	\$67,511 75	
Historical Building and Observatory . . . . .	9,119 55	
		<hr/>
		76,631 30
Franklin Park (40,000 feet) . . . . .		12,000 00
Powder-house Boulevard (200,618 square feet) and building . . . . .		22,500 00
Joy street, land (2,700 feet) . . . . .		500 00
Broadway, land (10,890 feet) . . . . .		2,300 00
Webster avenue, land (10,000 feet) . . . . .		2,500 00
Holland street, land (217,800 feet) . . . . .		35,500 00
Gravel land in Waltham (about 30 acres) . . . . .		10,234 17
Recreation Field, Alewife Brook . . . . .		26,625 32
Clarendon-hill ledge . . . . .		8,500 00
Oliver street, land (40,500 feet) . . . . .		18,000 00
Beacon street, land (10,000 feet) . . . . .		2,800 00
Passageway on Putnam street (1,135 feet) . . . . .		400 00
Stand Pipe lot (17,176 feet) . . . . .		5,100 00
Glen street, land (6,370 feet) . . . . .		2,300 00
Somerville avenue, land (305 feet) . . . . .		300 00
Broadway, junction Main street, land (1,260 feet) . . . . .		900 00
Joy-street playground (20,000 feet) . . . . .		9,750 00
Polling Booths . . . . .		1,783 14
		<hr/>
Total amount of public property . . . . .		\$5,519,001 67

TABLE B. OUTSTANDING BONDS, JANUARY 1, 1912.

ISSUE.	Rate per cent. of Interest.	Water.	Paving (Outside of limit) Chap. 153, Acts 1892.	Met. Park Assessment. (Out's e), Chap. 325, Acts 1902.	Lowell Street Bridge.	Sewer.	Sewer (Outside of limit) Chap. 357, Acts 1895.	City.	Total.
July 1, 1888	4	\$7,000	.....	.....	.....	.....	.....	.....	\$7,000
Oct. 1, 1889	4	19,000	.....	.....	.....	.....	.....	.....	19,000
Oct. 1, 1890	4	18,000	.....	.....	.....	.....	.....	.....	18,000
Oct. 1, 1892	4	.....	\$5,000	.....	.....	.....	.....	.....	5,000
July 1, 1894	4	.....	.....	.....	.....	\$3,000	\$42,000	\$18,000	21,000
July 1, 1895	4	.....	.....	.....	.....	.....	.....	53,000	95,000
July 1, 1896	4	.....	.....	.....	.....	.....	.....	35,000	35,000
July 1, 1897	4	.....	.....	.....	.....	11,000	.....	24,000	35,000
July 1, 1898	4	.....	.....	.....	.....	12,000	.....	35,000	47,000
July 1, 1899	4	.....	.....	.....	.....	.....	.....	26,000	26,000
July 2, 1900	3½	.....	.....	.....	.....	.....	.....	37,000	37,000
July 1, 1901	3½	.....	.....	.....	.....	20,000	.....	40,000	60,000
July 1, 1902	3½	.....	.....	\$18,000	.....	16,000	.....	38,000	72,000
July 1, 1903	4	.....	.....	.....	.....	17,000	.....	58,000	75,000
Oct. 1, 1903	4	.....	.....	.....	.....	.....	.....	24,000	24,000
July 1, 1904	4	.....	.....	.....	.....	18,000	.....	49,000	67,000
April 1, 1905	3½	.....	.....	.....	.....	24,000	.....	64,000	88,000
July 1, 1906	4	.....	.....	.....	.....	15,000	.....	40,000	55,000
April 1, 1907	4	.....	.....	.....	.....	52,000	.....	94,000	146,000
April 1, 1908	4	.....	.....	.....	.....	27,000	.....	59,000	86,000
April 1, 1909	3½	.....	.....	.....	\$38,000	28,000	.....	98,000	164,000
April 1, 1910	4	.....	.....	.....	.....	29,000	.....	120,000	149,000
April 1, 1911	4	.....	.....	.....	.....	20,000	.....	168,000	188,000
		\$44,000	\$5,000	\$18,000	\$38,000	\$292,000	\$42,000	\$1,080,000	\$1,519,000

BONDS DUE IN 1912.

ISSUE.	Rate per cent. of Interest.	City.	Sewer.	Sewer (Outside of limit) Chap. 357, Acts 1895.	Water.	Paving (Outside of limit) Chap. 153, Acts 1892.	Metropolitan Park Assessment (Outside) Chap. 325, Acts 1902.	Lowell Street Bridge.	Total.
July 1, 1888	4	.....	.....	.....	\$1,000	.....	.....	.....	\$1,000
Oct. 1, 1889	4	.....	.....	.....	3,000	.....	.....	.....	3,000
Oct. 1, 1890	4	.....	.....	.....	2,000	.....	.....	.....	2,000
Oct. 1 1892	4	.....	.....	.....	.....	\$5,000	.....	.....	5,000
July 1, 1894	4	\$6,000	\$1,000	\$3,000	.....	.....	.....	.....	7,000
July 1, 1895	4	14,000	.....	.....	.....	.....	.....	.....	17,000
July 1, 1896	4	7,000	.....	.....	.....	.....	.....	.....	7,000
July 1, 1897	4	4,000	1,000	.....	.....	.....	.....	.....	5,000
July 1, 1898	4	5,000	1,000	.....	.....	.....	.....	.....	6,000
July 1, 1899	4	4,000	.....	.....	.....	.....	.....	.....	4,000
July 2, 1900	4	4,000	.....	.....	.....	.....	.....	.....	4,000
July 1, 1901	3 1/2	5,000	.....	.....	.....	.....	.....	.....	5,000
July 1, 1901	3 1/2	4,000	1,000	.....	.....	.....	\$1,000	.....	5,000
July 1, 1902	3 1/2	9,000	1,000	.....	.....	.....	.....	.....	11,000
July 1, 1903	4	9,000	1,000	.....	.....	.....	.....	.....	10,000
Oct. 1, 1903	4	2,000	.....	.....	.....	.....	.....	.....	2,000
July 1, 1904	4	8,000	1,000	.....	.....	.....	.....	.....	9,000
April 1, 1905	3 1/2	9,000	1,000	.....	.....	.....	.....	.....	10,000
July 1, 1906	4	7,000	1,000	.....	.....	.....	.....	.....	8,000
April 1, 1907	4	11,000	2,000	.....	.....	.....	.....	.....	13,000
April 1, 1908	4	7,000	1,000	.....	.....	.....	.....	.....	8,000
April 1, 1909	3 1/2	11,000	1,000	.....	.....	.....	.....	\$1,000	13,000
April 1, 1910	4	10,000	1,000	.....	.....	.....	.....	.....	11,000
April 1, 1911	4	14,000	1,000	.....	.....	.....	.....	.....	15,000
		\$146,000	\$15,000	\$3,000	\$6,000	\$5,000	\$1,000	\$1,000	\$177,000



**Recapitulation.**

City Loan Bonds . . . . .	\$1,080,000 00	
Sewer Loan Bonds . . . . .	292,000 00	
Lowell Street Bridge Loan Bonds . . . . .	38,000 00	
		<hr/>
Total amount of Funded Debt within the limit provided by law . . . . .		\$1,410,000 00
Sewer Loan Bonds, issued under Chapter 357, Acts of 1895 . . . . .	\$42,000 00	
City Loan Paving Bonds, issued under Chapter 153, Acts of 1892 . . . . .	5,000 00	
Metropolitan Park Assessment Loan Bonds, issued under Chapter 325, Acts of 1902 . . . . .	18,000 00	
		<hr/>
Total amount of Funded Debt outside the limit allowed by law, issued under special acts . . . . .		65,000 00
Water Loan Bonds . . . . .		44,000 00
		<hr/>
		<u>\$1,519,000 00</u>

**Borrowing Capacity.**

Valuation, 1909 . . . . .	\$53,658,953 20	
Supplementary . . . . .	226,800 00	
		<hr/>
		\$63,885,753 20
Valuation, 1910 . . . . .	\$66,376,338 70	
Supplementary . . . . .	623,200 00	
		<hr/>
		66,999,538 70
Valuation, 1911 . . . . .	\$67,284,066 00	
Supplementary . . . . .	483,000 00	
		<hr/>
		67,767,066 00
		<hr/>
		\$198,652,357 90
Abatements, 1909 . . . . .	\$537,100 00	
1910 . . . . .	731,100 00	
1911 . . . . .	374,500 00	
		<hr/>
		1,642,700 00
		<hr/>
		\$197,009,657 90
Average, three years . . . . .	1-3	65,669,885 96
	2½%	1,641,747 15
Amount within the limit . . . . .		1,410,000 00
Borrowing capacity January 1, 1912 . . . . .		231,747 15
Maturities April 1 . . . . .	\$70,000 00	
Maturities July 1 . . . . .	\$95,000 00	
Less outside limit . . . . .	5,000 00	
		<hr/>
		90,000 00
Maturities October 1 . . . . .	\$12,000 00	
Less outside limit . . . . .	10,000 00	
		<hr/>
		2,000 00
		<hr/>
Maturing during the year within the limit . . . . .		162,000 00
		<hr/>
		<u>\$393,747 15</u>

**TABLE C.—GENERAL ACCOUNTS AND BALANCES.**

**Cash.**

	RECEIPTS.	
Balance from 1910 . . . . .		\$107,788 97
Board of Aldermen Expenses . . . . .	\$12 00	
Treasury Department . . . . .	4,191 43	
City Clerk's Department . . . . .	5,722 24	
Engineering Department . . . . .	165 00	
Maintenance Municipal Buildings . . . . .	33 95	
Police Department . . . . .	3,370 45	
Fire Department . . . . .	1,198 14	
Maintenance Fire Buildings . . . . .	5 00	
Sealing Weights and Measures . . . . .	516 28	
Electrical Department . . . . .	271 00	
Health Department . . . . .	269 20	
Inspection of Milk and Vinegar . . . . .	551 50	
Contagious Disease Hospital . . . . .	2,642 95	
Tuberculosis Hospital . . . . .	773 21	
Sewers, Construction . . . . .	27 43	
Sewers, Maintenance . . . . .	767 96	
Refuse and Garbage Disposal . . . . .	10,039 45	
Maintenance Refuse and Garbage Buildings, . . . . .	1 00	
Highways, Construction . . . . .	271 44	
Highways, Maintenance . . . . .	28,255 47	
Highways, Paved Gutters and Crossings . . . . .	27 20	
Sidewalks, Construction . . . . .	22 19	
Sidewalks, Maintenance . . . . .	43 71	
Street Sprinkling . . . . .	58 00	
Maintenance Highway Buildings . . . . .	240 00	
Support of Poor:—		
Miscellaneous . . . . .	2,657 69	
City Home . . . . .	5,051 62	
Soldiers' Relief . . . . .	175 00	
State Aid . . . . .	28 00	
School Contingent . . . . .	571 85	
Maintenance School Buildings . . . . .	197 85	
Central Library . . . . .	902 20	
West Somerville Branch Library . . . . .	501 53	
Library Trust Funds, Martha R. Hunt . . . . .	15,000 00	
Fund . . . . .	712 18	
Library Trust Funds, Income . . . . .	275 00	
Engineering Department, Parks Maintenance . . . . .	1,007 79	
Somerville Field . . . . .	701 69	
Maintenance Bathhouse . . . . .	59 00	
Contingent Fund . . . . .	12,172 42	
Interest . . . . .	7,722 36	
Reduction of Funded Debt . . . . .	23,533 44	
Water, Maintenance . . . . .	30 45	
Water Works Extension . . . . .	4,200 44	
Water Service Assessments . . . . .	210,587 82	
Water Works Income . . . . .	75 20	
Taxes, 1905 . . . . .	36 80	
1906 . . . . .	45 50	
1907 . . . . .	89 36	
1908 . . . . .		
Amounts carried forward . . . . .	\$345,811 39	\$107,788 97

Amounts brought forward . . . . .	\$345,811 39	\$107,788 97
1909 . . . . .	1,230 94	
1910 . . . . .	268,258 11	
1911 . . . . .	1,098,764 80	
Metered Water Charges . . . . .	15,801 20	
Highway Betterment Assessments . . . . .	4,985 89	
Sidewalk Assessments . . . . .	14,191 37	
Sewer Assessments . . . . .	952 64	
Grade Crossings . . . . .	102,814 35	
Sundry Persons . . . . .	178 43	
Commonwealth of Massachusetts . . . . .	1,661 99	
County of Middlesex . . . . .	4,699 82	
Redemption of Tax Liens . . . . .	1,165 19	
Temporary Loans . . . . .	750,000 00	
Funded Debt . . . . .	188,000 00	
	<hr/>	\$2,798,516 12
		<hr/>
		\$2,906,305 09

## PAYMENTS.

Board of Aldermen Expenses . . . . .	\$1,110 92
Clerk of Committees and Departments . . . . .	4,269 13
Executive Department . . . . .	4,398 94
Auditing Department . . . . .	1,078 46
Treasury Department . . . . .	13,177 23
Assessors' Department . . . . .	10,751 76
City Clerk's Department . . . . .	7,741 14
Law Department . . . . .	2,367 61
City Messengers' Department . . . . .	1,896 62
Engineering Department . . . . .	11,649 63
Commissioner Public Buildings . . . . .	4,502 09
Maintenance Municipal Buildings . . . . .	5,657 93
City Hall, Additional Accommodations . . . . .	2,313 42
Election Expenses:—	
City Clerk . . . . .	1,280 68
Registrars of Voters . . . . .	2,155 10
Pay of Election Officers . . . . .	2,512 00
Polling Places . . . . .	648 77
Police Department . . . . .	95,975 27
Maintenance Police Buildings . . . . .	2,488 64
Police Department, Additional Equipment . . . . .	2,000 00
Police Building, Vault . . . . .	2,851 80
Fire Department . . . . .	90,742 52
Maintenance Fire Buildings . . . . .	5,294 95
Militia . . . . .	500 00
Sealing Weights and Measures . . . . .	2,277 04
Electrical Department . . . . .	8,774 44
Electrical Department, Underground Construction . . . . .	3,192 00
Gypsy and Brown-tail Moth Extermination, Elm-leaf Beetle Extermination . . . . .	3,253 43
Elm-leaf Beetle Extermination . . . . .	713 98
Care of Trees . . . . .	3,558 17
Care of Trees, Additional Equipment . . . . .	1,289 00
Health Department . . . . .	9,729 77
Inspection of Animals and Provisions . . . . .	1,234 03
Inspection of Milk and Vinegar . . . . .	1,487 99
Inspection of School Children . . . . .	1,508 00
Vital Statistics . . . . .	2,197 40
	<hr/>
Amount carried forward . . . . .	\$316,579 86

Amount brought forward . . . . .	\$316,579 86
Contagious Disease Hospital . . . . .	10,258 27
Maintenance Contagious Disease Hospital .	2,699 13
Tuberculosis Hospital Construction . . . .	4,850 58
Tuberculosis Hospital . . . . .	2,653 76
Maintenance Tuberculosis Hospital . . . .	2,181 68
Sewers, Construction . . . . .	10,934 30
Sewers, Maintenance . . . . .	13,767 51
Maintenance Sewer Buildings . . . . .	92 13
Refuse and Garbage Disposal . . . . .	79,128 37
Maintenance Refuse and Garbage Buildings,	739 12
Incinerator Building . . . . .	1,678 89
Highways, Street Cleaning . . . . .	22,929 92
Highways, Construction . . . . .	51,870 71
Highways, Maintenance . . . . .	64,163 97
Highways, Paved Gutters and Crossings . .	11,593 31
Sidewalks, Construction . . . . .	44,170 03
Sidewalks, Maintenance . . . . .	4,697 79
Street Sprinkling . . . . .	31,636 47
Street Lighting . . . . .	54,508 64
Maintenance Highway Buildings . . . . .	839 86
Lowell Street Bridges . . . . .	300 00
Support of Poor, Miscellaneous . . . . .	16,327 56
Support of Poor, City Home . . . . .	7,842 03
Maintenance City Home Buildings . . . . .	1,696 79
City Home Addition . . . . .	16 57
Somerville Hospital . . . . .	5,000 00
Soldiers' Relief . . . . .	24,140 19
Military Aid . . . . .	828 00
State Aid . . . . .	16,246 00
Soldiers' Burials . . . . .	481 00
School Contingent . . . . .	32,094 28
School Teachers' Salaries . . . . .	293,267 30
Maintenance School Buildings . . . . .	65,128 56
Bennett School Addition . . . . .	800 00
Martin W. Carr School, Land Addition . . .	7,110 00
Davis School, Vocational Equipment . . . .	3,734 57
William H. Hodgkins School Addition . . . .	3,950 70
Industrial School for Girls . . . . .	2,637 72
Schoolhouse in Ward Seven . . . . .	27,690 03
Schoolhouses, Additional Window Space . .	1,495 54
Central Library . . . . .	21,852 02
Library Trust Funds, Martha R. Hunt	
Fund, Investment . . . . .	15,000 00
Maintenance Central Library . . . . .	3,782 19
West Somerville Branch Library . . . . .	5,501 53
Maintenance West Somerville Branch Li-	
brary . . . . .	1,640 74
Ward One Branch Library . . . . .	867 28
Union Square Branch Library . . . . .	184 45
Library Trust Funds, Income . . . . .	57 37
Parks, Maintenance . . . . .	8,174 75
Maintenance Park Buildings . . . . .	297 11
Playgrounds, Maintenance . . . . .	3,400 63
Park Buildings, Broadway and Lincoln	
Parks . . . . .	1,962 82
Recreation Field, Alewife Brook . . . . .	19,925 32
Summer Playgrounds . . . . .	1,597 97
Amount carried forward . . . . .	\$1,327,005 32



Amount brought forward . . . . .	\$1,327,005 32	
Maintenance Bathhouse . . . . .	2,152 92	
Memorial Day . . . . .	425 00	
Independence Day . . . . .	500 00	
Municipal Documents . . . . .	1,890 36	
Contingent Fund . . . . .	44 75	
Interest . . . . .	29,540 33	
Reduction of Funded Debt . . . . .	169,200 00	
Water, Maintenance . . . . .	50,737 37	
Water Works Extension . . . . .	14,970 34	
Refunds of Water Charges . . . . .	475 48	
Maintenance Water Buildings . . . . .	806 33	
Overlay and Abatement . . . . .	6 55	
Grade Crossings . . . . .	108,368 30	
Coupons . . . . .	49,667 50	
Sundry Persons . . . . .	127 20	
Commonwealth of Massachusetts . . . . .	229,301 37	
County of Middlesex . . . . .	59,591 69	
Redemption of Tax Liens . . . . .	1,165 19	
Temporary Loans . . . . .	750,000 00	
	<hr/>	
	\$2,795,976 00	
Balance to debit of account, 1912 . . . . .	110,329 09	
	<hr/>	
		\$2,906,305 09

**Taxes.**

## CREDIT.

Receipts:—		
Cash, received for taxes of 1905 . . . . .	\$75 20	
“ “ “ “ 1906 . . . . .	36 80	
“ “ “ “ 1907 . . . . .	45 50	
“ “ “ “ 1908 . . . . .	89 36	
“ “ “ “ 1909 . . . . .	1,230 94	
“ “ “ “ 1910 . . . . .	268,258 11	
“ “ “ “ 1911 . . . . .	1,098,764 80	
	<hr/>	
		\$1,368,500 71
Overlay and Abatement:—		
Abatements on taxes of 1904 . . . . .	\$252 24	
“ “ “ “ 1905 . . . . .	187 36	
“ “ “ “ 1906 . . . . .	369 82	
“ “ “ “ 1907 . . . . .	579 52	
“ “ “ “ 1908 . . . . .	953 32	
“ “ “ “ 1909 . . . . .	1,202 62	
“ “ “ “ 1910 . . . . .	7,915 75	
“ “ “ “ 1911 . . . . .	7,644 30	
	<hr/>	
		19,104 93
Balance to debit of account, 1912:—		
Being uncollected taxes of 1898 . . . . .	\$408 12	
“ “ “ “ 1899 . . . . .	306 44	
“ “ “ “ 1900 . . . . .	297 60	
“ “ “ “ 1901 . . . . .	324 36	
“ “ “ “ 1902 . . . . .	334 56	
“ “ “ “ 1903 . . . . .	364 64	
“ “ “ “ 1904 . . . . .	585 84	
“ “ “ “ 1905 . . . . .	424 56	
“ “ “ “ 1906 . . . . .	424 18	
“ “ “ “ 1907 . . . . .	445 05	
	<hr/>	
Amounts carried forward . . . . .	\$3,915 35	\$1,387,605 64

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Amounts brought forward . . . . .	\$3,915 35	\$1,387,605 64
Being uncollected taxes of 1908 . . . . .	1,134 81	
“ “ “ “ 1909 . . . . .	2,658 87	
“ “ “ “ 1910 . . . . .	5,433 30	
“ “ “ “ 1911 . . . . .	269,361 12	
		<u>282,503 45</u>
Real Estate Liens, tax of 1905 on Charlton estate . . . . .		9 15
		<u>\$1,670,118 24</u>

DEBIT.

Balance from 1910 . . . . .	\$291,943 18	
Tax Levy, as per assessors' warrant of August 10, 1911 . . . . .	1,366,240 92	
Supplementary warrants, amounts credited to Overlay and Abatement account . . . . .	9,529 30	
Real Estate Liens, amounts brought back . . . . .	2,404 84	
		<u>\$1,670,118 24</u>

**Overlay and Abatement.**

CREDIT.

Balance from 1910 . . . . .	\$21,204 87	
Taxes, amount of overlay from assessors' warrant . . . . .	11,260 80	
Amount of assessors' supplementary warrants, 1911 . . . . .	9,529 30	
		<u>\$41,994 97</u>
Reduced by the following transfers:—		
Contagious Disease Hospital account . . . . .	\$850 00	
Refuse and Garbage Disposal account . . . . .	1,725 00	
		<u>2,575 00</u>
		<u>\$39,419 97</u>
Balance to credit of account, 1912 . . . . .	20,308 49	
		<u>\$19,111 48</u>

DEBIT.

Taxes, amount of abatements . . . . .	\$19,104 93	
Cash, paid sundry persons, money re-funded . . . . .	6 55	
		<u>\$19,111 48</u>

**Real Estate Liens.**

CREDIT.

Carried back into Taxes:—		
Tax of 1898, City of Cambridge . . . . .	\$408 12	
“ “ 1899, “ “ “ . . . . .	306 44	
“ “ 1900, “ “ “ . . . . .	297 60	
“ “ 1901, “ “ “ . . . . .	324 36	
“ “ 1902, “ “ “ . . . . .	334 56	
“ “ 1903, “ “ “ . . . . .	364 64	
“ “ 1904, “ “ “ . . . . .	364 64	
“ “ 1904, Butler and Robinson . . . . .	4 48	
		<u>\$2,404 84</u>
Balance to debit of account, 1912 . . . . .	631 83	
		<u>\$3,036 67</u>

## DEBIT.

Balance from 1910 . . . . .	\$3,027 52	
Taxes, tax of 1905 on Charlton estate . . . . .	9 15	
	<u>          </u>	<u>\$3,036 67</u>

**Metered Water Charges.**

## CREDIT.

Cash, received of sundry water takers . . . . .	\$15,801 20	
Water Works Income account, abatement . . . . .	17 90	
	<u>          </u>	\$15,819 10
Balance to debit of account, 1912 . . . . .		16,459 80
		<u>          </u>
		\$32,278 90

## DEBIT.

Balance from 1910 . . . . .	\$15,819 10	
Last quarter, district No. 1, uncollected . . . . .	16,459 80	
	<u>          </u>	<u>\$32,278 90</u>

**Highway Betterment Assessments.**

## CREDIT.

Cash, received of sundry persons . . . . .	\$4,985 89	
Lowell Street Bridges account, abatements . . . . .	800 00	
Balance to debit of account, 1912 . . . . .	2,604 14	
	<u>          </u>	<u>\$8,390 03</u>

## DEBIT.

Balance from 1910 . . . . .	\$5,519 80	
Highways Construction account, assessments levied . . . . .	2,870 23	
	<u>          </u>	<u>\$8,390 03</u>

**Sidewalk Assessments.**

## CREDIT.

Receipts:—

Cash, received of sundry persons . . . . .	\$14,191 37	
Balance to debit of account, 1912 . . . . .	13,101 95	
	<u>          </u>	<u>\$27,293 32</u>

## DEBIT.

Balance from 1910 . . . . .	\$5,278 18	
Sidewalks Construction account, assessments levied . . . . .	\$22,032 88	
Less abatements . . . . .	17 74	
	<u>          </u>	22,015 14
		<u>          </u>
		<u>\$27,293 32</u>

**Sewer Assessments.**

## CREDIT.

Receipts:—

Cash, received of sundry persons . . . . .	\$952 64	
Balance to debit of account, 1912 . . . . .	4,872 53	
	<u>          </u>	<u>\$5,825 17</u>

DEBIT.		
Balance from 1910 . . . . .		\$2,374 03
Sewers Construction account, assessments levied . . . . .		3,451 14
		<u>5,825 17</u>

**Grade Crossings.**

CREDIT.		
Receipts:—		
Cash, received of Commonwealth of Massachusetts, sixth decree of court, Somerville avenue . . . . .	\$6,454 47	
Boston & Maine Railroad, sixth decree of court, Somerville avenue . . . . .	17,603 10	
West End Street Railway Co., sixth decree of court, Somerville avenue . . . . .	3,814 00	
Boston & Albany Railroad, sixth decree of court, Somerville avenue . . . . .	1,466 93	
Commonwealth of Massachusetts, second decree of court, Medford street . . . . .	25,743 82	
Boston & Maine Railroad, second decree of court, Medford street . . . . .	35,499 58	
West End Street Railway Co., second decree of court, Medford street . . . . .	12,232 45	
		<u>\$102,814 35</u>
Balance to debit of account, 1912 . . . . .		39,314 11
		<u>\$142,128 46</u>

DEBIT.		
(Expenditures.)		
Balance from 1910 . . . . .		\$33,760 16
Cash, paid H. S. Angus & Son, making estimates . . . . .	\$15 00	
Roman Catholic Archbishop of Boston, settlement on Webster avenue . . . . .	5,750 00	
Louis S. Bettencourt, settlement for damages to estate . . . . .	200 00	
Edward A. Binney, appraising . . . . .	20 00	
James J. Barron, watchman . . . . .	18 00	
S. Adams Clark and Lucy E. Wright, settlement of claim . . . . .	2,700 00	
James E. Dennison, settlement of claim . . . . .	2,800 00	
Mary Dorney, settlement of claim . . . . .	500 00	
Charlotte E. Dennett, settlement of claim . . . . .	1,225 00	
Catherine Fitzgerald, settlement of claim . . . . .	5,514 00	
Robert Franke, settlement of claim . . . . .	2,200 00	
Anne Fitzpatrick, settlement of claim . . . . .	125 00	
Annie Graham, settlement of claim . . . . .	1,650 00	
Devises of Magdalene Hunzelman, settlement of claim . . . . .	1,700 00	
William B. Holmes, settlement of claim, George D. Haven, settlement of claim . . . . .	3,000 00	
William A. and Harrison M. Hutchins, settlement of claim . . . . .	150 00	
	500 00	
		<u>\$28,067 00</u>
Amounts carried forward . . . . .		\$33,760 16



Amounts brought forward . . . . .	\$28,067 00	\$33,760 16
John Jones, settlement of claim . . . . .	5,250 00	
Junia M. Jameson, settlement of claim . . . . .	5,900 00	
Eugene H. Jones, photographs . . . . .	27 00	
James Kenney, settlement of claim . . . . .	650 00	
Frank W. Kaan, services and expenses as special counsel . . . . .	2,875 26	
Cornelius Linnehan, settlement of claim, Julia F. Moloney, et al., settlement of claim . . . . .	6,031 19	
Annie W. McLean, settlement of claim . . . . .	2,650 00	
J. Edward L. McLean, appraising . . . . .	3,750 00	
John Martell and Mary Boudreau, settle- ment of claim . . . . .	1,552 85	
Alfred Miller, settlement of claim . . . . .	200 00	
William H. Monroe, settlement of claim, John E. O'Riley, settlement of claim . . . . .	1,500 00	
Joanna O'Brien, settlement of claim . . . . .	150 00	
Antonio R. Preiva, settlement of claim . . . . .	460 00	
Daniel W. Page, et al., settlement of claim . . . . .	2,400 00	
Caleb A. Page, et al., settlement of claim . . . . .	2,400 00	
Caleb A. Page, et al., settlement of claim . . . . .	975 00	
Caleb A. Page, et al., settlement of claim . . . . .	16,600 00	
Franklin F. Roundy, Agent, settlement of claim . . . . .	1,400 00	
St. Joseph's School, settlement of claim, James J. Sullivan, settlement of claim . . . . .	2,500 00	
John P. Sullivan, settlement of claim . . . . .	2,500 00	
Richard H. Sturtevant, settlement of claim . . . . .	2,500 00	
Somerville Co-operative Bank, settle- ment of claim . . . . .	2,050 00	
Mary F. Smith, settlement of claim . . . . .	12,750 00	
Anna P. Vinal, et al., settlement of claim, Harry Van Iderstine, appraising . . . . .	475 00	
Alice A. Wilson, settlement of claim . . . . .	375 00	
	900 00	
	1,550 00	
	350 00	
	1,850 00	
	30 00	
	2,600 00	
	<hr/>	108,368 30
		<hr/> <hr/>
		\$142,128 46

### Overplus on Tax Sales.

	CREDIT.	
Balance from 1910 . . . . .		\$118 13
	DEBIT.	
Balance to credit of account, 1912 . . . . .		<u>\$118 13</u>

### Sundry Persons.

	CREDIT.	
Balance from 1910 . . . . .		\$699 65
Cash, received of sundry persons . . . . .		178 43
		<hr/>
		\$878 08

DEBIT.

Cash, Taxes of 1911 . . . . .	\$127 20	
Balance to credit of account, 1912 . . . . .	750 88	
	<hr/>	\$878 08

**Coupons.**

CREDIT.

Balance of coupons unpaid January 1, 1911 . . . . .		\$13,675 00
Coupons maturing April 1, 1911:—		
Water Loan, \$20,000, six months at 4 per cent. . . . .	\$400 00	
Sewer Loan, \$1,000, six months at 4½ per cent. . . . .	22 50	
Sewer Loan, \$56,000, six months at 4 per cent. . . . .	1,120 00	
Sewer Loan, \$24,000, six months at 3½ per cent. . . . .	420 00	
Paving Loan, \$10,000, six months at 4 per cent. . . . .	200 00	
City Loan, \$300,000, six months at 4 per cent. . . . .	6,000 00	
City Loan, \$109,000, six months at 3½ per cent. . . . .	1,907 50	
Bridge Loan, \$34,000, six months at 3½ per cent. . . . .	595 00	
	<hr/>	10,665 00
Coupons maturing July 1, 1911:—		
City Loan, \$123,000, six months at 3½ per cent. . . . .	\$2,152 50	
City Loan, \$358,000, six months at 4 per cent. . . . .	7,160 00	
Sewer Loan, \$36,000, six months at 3½ per cent. . . . .	630 00	
Sewer Loan, \$121,000, six months at 4 per cent. . . . .	2,420 00	
Metropolitan Park Assessment Loan, \$17,000, six months at 3½ per cent. . . . .	297 50	
Water Loan, \$8,000, six months at 4 per cent. . . . .	160 00	
	<hr/>	12,820 00
Coupons maturing October 1, 1911:—		
City Loan, \$408,000, six months at 4 per cent. . . . .	\$8,160 00	
City Loan, \$98,000, six months at 3½ per cent. . . . .	1,715 00	
Sewer Loan, \$1,000, six months at 4½ per cent. . . . .	22 50	
Sewer Loan, \$72,000, six months at 4 per cent. . . . .	1,440 00	
Sewer Loan, \$23,000, six months at 3½ per cent. . . . .	402 50	
Bridge Loan, \$33,000, six months at 3½ per cent. . . . .	577 50	
Paving Loan, \$10,000, six months at 4 per cent. . . . .	200 00	
Water Loan, \$20,000, six months at 4 per cent. . . . .	400 00	
	<hr/>	12,917 50
Amount carried forward . . . . .		\$50,077 50

Amount brought forward . . . . .		\$50,077 50
Coupons maturing January 1, 1912:—		
City Loan, \$281,500, six months at 4 per cent.	\$5,630 00	
City Loan, \$105,000, six months at 3½ per cent.	1,837 50	
Sewer Loan, \$108,000, six months at 4 per cent.	2,160 00	
Sewer Loan, \$35,000, six months at 3½ per cent.	612 50	
Metropolitan Park Assessment Loan, \$17,000, six months at 3½ per cent.	297 50	
Water Loan, \$7,000, six months at 4 per cent.	140 00	
	<hr/>	10,677 50
		<hr/>
		\$60,755 00
DEBIT.		
Cash, paid coupons . . . . .	\$49,667 50	
Coupons of 1911 unpaid . . . . .	11,087 50	
	<hr/>	<hr/>
		\$60,755 00

**Commonwealth of Massachusetts.**

CREDIT.		
State Tax . . . . .		\$93,335 00
National Bank Tax . . . . .		1,576 40
Metropolitan Sewer Tax:—		
Sinking Fund Requirements . . . . .	\$14,931 20	
Interest . . . . .	27,159 34	
Maintenance . . . . .	22,160 32	
	<hr/>	64,250 86
Metropolitan Park Tax:—		
Sinking Fund Requirements . . . . .	\$5,030 06	
Interest . . . . .	14,205 35	
Maintenance . . . . .	18,497 03	
Serial Bond Requirements . . . . .	64 82	
	<hr/>	37,797 26
Grade Crossings Tax:—		
Assessment . . . . .	\$5,333 61	
Interest . . . . .	1,381 48	
	<hr/>	6,715 09
Wellington Bridge Tax:—		
Maintenance . . . . .		813 98
Metropolitan Water Assessment, 1911:—		
Sinking Fund Requirements . . . . .	\$25,424 55	
Interest . . . . .	69,849 26	
Maintenance and Operation . . . . .	19,573 82	
Serial Bond Requirements . . . . .	246 66	
	<hr/>	115,094 29
Charles River Basin:—		
Sinking Fund Requirements . . . . .	\$2,792 25	
Interest . . . . .	10,056 77	
Maintenance . . . . .	2,581 74	
Serial Bond Requirements . . . . .	200 64	
	<hr/>	15,631 40
Amount carried forward . . . . .		<hr/>
		\$335,214 28

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Amount brought forward . . . . .		\$335,214 28
Alewife Brook:—		
Assessment . . . . .	\$750 00	
Interest . . . . .	151 67	
	<hr/>	901 67
State Highway Tax . . . . .		58 00
Abatement of smoke in Boston and vicinity . . . . .		197 91
		<hr/>
		\$336,371 86

DEBIT.

Support of Poor, Miscellaneous . . . . .	\$1,030 62	
Contagious Disease Hospital . . . . .	1,108 57	
Health Department . . . . .	82 00	
School Contingent . . . . .	529 55	
Tuberculosis Hospital . . . . .	284 00	
Public Service, 1910 . . . . .	\$196 04	
Public Service, 1911 . . . . .	10,132 32	
	<hr/>	
	\$10,328 36	
Less paid back 1910 tax . . . . .	289 78	
	<hr/>	10,038 58
Corporation Tax, Business:—		
1910 . . . . .	\$355 37	
1911 . . . . .	15,132 95	
	<hr/>	
	\$15,488 32	
Less paid back 1910 tax . . . . .	2,718 08	
	<hr/>	12,770 24
National Bank Tax . . . . .	4,380 31	
Boston Elevated Railway Tax . . . . .	10,000 74	
Street Railway Tax . . . . .	\$52,254 94	
Less overpayment 1910 tax . . . . .	1,418 06	
	<hr/>	50,836 88
State Aid, 1910 . . . . .	16,689 00	
Soldiers' Burials, 1910 . . . . .	592 00	
Military Aid, 1910 . . . . .	376 50	
Fees for collecting National Bank Tax . . . . .	13 49	
	<hr/>	\$108,732 48
Less amount received in cash . . . . .	1,661 99	
	<hr/>	\$107,070 49
Paid balance due March 31, 1911 . . . . .	1,583 09	
Paid balance due November 15, 1911 . . . . .	226,300 22	
Paid balance due December 4, 1911 . . . . .	1,418 06	
	<hr/>	<hr/>
		\$336,371 86

**County of Middlesex,**

CREDIT.

Taxes, 1911, county tax . . . . .		\$59,591 69
Receipts:—		
Cash, received of J. O. Hayden, county treasurer, rent of court room . . . . .	\$750 00	
return on amount received of the city for dog licenses . . . . .	3,949 82	
	<hr/>	4,699 82
Amount carried forward . . . . .		<hr/>
		\$64,291 51



Amount brought forward . . . . .		\$64,291 51
Amounts transferred:—		
Maintenance Police Buildings account . . . . .	\$750 00	
Central Library account . . . . .	3,949 82	
		<u>4,699 82</u>
		<u>\$59,591 69</u>

## DEBIT.

(Expenditures.)

Cash, paid county tax . . . . .		<u>\$59,591 69</u>
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**Redemption of Tax Liens.**

## CREDIT.

Receipts:—

Cash, received of sundry persons, redemption of tax liens,		\$1,165 19
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## DEBIT.

(Expenditures.)

Cash, paid sundry persons, redemption of tax liens . . . . .		<u>\$1,165 19</u>
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**Temporary Loans.**

## CREDIT.

Balance from 1910 . . . . .		\$350,000 00
Cash, borrowed by authority of the Board of Aldermen on notes as follows:—		
City Notes Nos. 48 to 53, 281 days, 3.32 per cent., discounted . . . . .	\$100,000 00	
City Notes Nos. 54 to 65, 253 days, 3.21 per cent., discounted . . . . .	200,000 00	
City Notes Nos. 68 to 85, 323 days, 3.56 per cent., discounted . . . . .	250,000 00	
City Notes Nos. 86 to 91, 264 days, 3.53 per cent., discounted . . . . .	100,000 00	
City Notes Nos. 92 to 94, 76 days, 3½ per cent., discounted . . . . .	50,000 00	
City Notes Nos. 95 to 97, 40 days, 3½ per cent., discounted . . . . .	50,000 00	
		<u>750,000 00</u>
		<u>\$1,100,000 00</u>

## DEBIT.

(Expenditures.)

Cash, paid as follows:—

City Notes Nos. 16 to 24 . . . . .	\$100,000 00	
City Notes Nos. 25 to 33 . . . . .	150,000 00	
City Notes Nos. 39 to 46 . . . . .	100,000 00	
City Notes Nos. 48 to 65 . . . . .	300,000 00	
City Notes Nos. 92 to 97 . . . . .	100,000 00	
		<u>\$750,000 00</u>
Balance to credit of account, 1912 . . . . .	350,000 00	
		<u>\$1,100,000 00</u>

**Public Property.**

## CREDIT.

Balance to debit of account, 1912 . . . . .		\$5,519,001 67
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DEBIT.

Property and Debt Balance, property ac- quired in 1911 . . . . .	\$95,589 87	
Balance from 1910 . . . . .	5,423,411 80	
		<u>\$5,519,001 67</u>

**Funded Debt.**

CREDIT.

Funded Debt, January 1, 1911 . . . . .		\$1,500,000 00
Issue of 1911:—		
City Loan Bonds Nos. 3976 to 4143 . . . . .	\$168,000 00	
Sewer Loan Bonds Nos. 529 to 548 . . . . .	20,000 00	
		<u>188,000 00</u>
		\$1,688,000 00

DEBIT.

Bonds matured in 1911:—		
City Loan Bonds Nos. 1710 to 1715 . . . . .	\$6,000 00	
City Loan Bonds Nos. 1991 to 2000 . . . . .	10,000 00	
City Loan Bond No. Reg. 185 . . . . .	1,000 00	
City Loan Bonds Nos. 2002 to 2004 . . . . .	3,000 00	
City Loan Bonds Nos. 2180 to 2187 . . . . .	8,000 00	
City Loan Bonds Nos. 2336 to 2340 . . . . .	5,000 00	
City Loan Bonds Nos. 2476 to 2480 . . . . .	5,000 00	
City Loan Bonds Nos. 2596 to 2599 . . . . .	4,000 00	
City Loan Bonds Nos. 2736 to 2740 . . . . .	5,000 00	
City Loan Bonds Nos. 2847 to 2853 . . . . .	7,000 00	
City Loan Bond No. Reg. 165 . . . . .	7,000 00	
City Loan Bonds Nos. 2974 to 2975 . . . . .	2,000 00	
City Loan Bonds Nos. 3083 to 3091 . . . . .	9,000 00	
City Loan Bonds Nos. 3244 to 3252 . . . . .	8,000 00	
City Loan Bonds Nos. 3164 to 3165 . . . . .	2,000 00	
City Loan Bond No. Reg. 116 . . . . .	9,000 00	
City Loan Bonds Nos. 3460 to 3464 . . . . .	5,000 00	
City Loan Bond No. Reg. 13 . . . . .	3,000 00	
City Loan Bond No. Reg. 17 . . . . .	6,000 00	
City Loan Bonds Nos. 3547 to 3551 . . . . .	5,000 00	
City Loan Bonds Nos. 3660 to 3666 . . . . .	7,000 00	
City Loan Bonds Nos. 3737 to 3747 . . . . .	11,000 00	
City Loan Bonds Nos. 3846 to 3855 . . . . .	10,000 00	
Sewer Loan Bond No. 53 . . . . .	1,000 00	
Sewer Loan Bond No. 70 . . . . .	1,000 00	
Sewer Loan Bonds Nos. 129 to 131 . . . . .	3,000 00	
Sewer Loan Bond No. 187 . . . . .	1,000 00	
Sewer Loan Bond No. 211 . . . . .	1,000 00	
Sewer Loan Bond No. 233 . . . . .	1,000 00	
Sewer Loan Bond No. Reg. 169 . . . . .	1,000 00	
Sewer Loan Bond No. 236 . . . . .	1,000 00	
Sewer Loan Bond No. 310 . . . . .	1,000 00	
Sewer Loan Bond No. Reg. 134 . . . . .	1,000 00	
Sewer Loan Bond No. 363 . . . . .	1,000 00	
Sewer Loan Bond No. Reg. 21 . . . . .	2,000 00	
Sewer Loan Bond No. 441 . . . . .	1,000 00	
Sewer Loan Bond No. 470 . . . . .	1,000 00	
Sewer Loan Bond No. 499 . . . . .	1,000 00	
Paving Loan Bonds Nos. 91 to 95 . . . . .	5,000 00	
		<u>\$161,000 00</u>
Amount carried forward . . . . .		\$161,000 00

Amount brought forward . . . . .	\$161,000 00	
Water Loan Bond No. 295 . . . . .	1,000 00	
Water Loan Bond No. Reg. 104 . . . . .	3,000 00	
Water Loan Bonds Nos. 428 to 429 . . . . .	2,000 00	
Metropolitan Park Assessment Loan Bond No. Reg. 151 . . . . .	1,000 00	
Lowell Street Bridge Loan Bond No. 2 . . . . .	1,000 00	
	<u>\$169,000 00</u>	
Present Funded Debt, balance of account . . . . .	1,519,000 00	<u>\$1,688,000 00</u>

**Property and Debt Balance.**

## CREDIT.

Balance from 1910 . . . . .	\$3,923,411 80
Public Property, property acquired in 1911 . . . . .	95,589 87
Funded Debt, bonds matured . . . . .	169,000 00
	<u>\$4,188,001 67</u>

## DEBIT.

Funded Debt, issue of 1911 . . . . .	\$188,000 00
Balance to credit of account, 1912 . . . . .	4,000,001 67
	<u>\$4,188,001 67</u>

**Excess and Deficiency.**

## CREDIT.

Balance from 1910 . . . . .	\$7,311 63
Amounts transferred to the following:—	
Municipal Documents . . . . .	\$1,500 00
Board of Aldermen Expenses . . . . .	200 00
Health Department . . . . .	2,000 00
Contagious Disease Hospital . . . . .	3,000 00
Tuberculosis Hospital . . . . .	611 63
	<u>\$7,311 63</u>

## CREDIT.

Balances of 1911 accounts:—	
Board of Aldermen Expenses . . . . .	\$401 08
Clerk of Committees and Departments . . . . .	430 87
Executive Department . . . . .	101 06
Auditing Department . . . . .	21 54
Treasury Department . . . . .	377 69
Assessors' Department . . . . .	248 24
City Clerk's Department . . . . .	1,081 10
Law Department . . . . .	132 39
City Messenger's Department . . . . .	3 38
Engineering Department . . . . .	15 37
Commissioner of Public Buildings . . . . .	47 91
Maintenance Municipal Buildings . . . . .	76 02
Election Expenses, Pay of Election Officers . . . . .	188 00
Police Department . . . . .	2,084 31
Maintenance Police Buildings . . . . .	161 36
Maintenance Fire Buildings . . . . .	10 05
	<u>\$5,380 37</u>
Amount carried forward . . . . .	\$5,380 37

Amount brought forward . . . . .	\$5,380 37
Sealing Weights and Measures . . . . .	139 24
Elm-leaf Beetle Extermination . . . . .	86 02
Inspection of Milk and Vinegar . . . . .	63 51
Inspection of School Children . . . . .	42 00
Vital Statistics . . . . .	102 60
Contagious Disease Hospital . . . . .	343 25
Maintenance Contagious Disease Hospital . . . . .	87
Tuberculosis Hospital . . . . .	215 08
Maintenance Tuberculosis Hospital . . . . .	18 32
Sewers, Maintenance . . . . .	45
Maintenance Sewer Buildings . . . . .	7 87
Refuse and Garbage Disposal . . . . .	636 08
Maintenance Refuse and Garbage Buildings . . . . .	11 88
Street Sprinkling . . . . .	1,965 68
Maintenance Highway Buildings . . . . .	14
Support of Poor, City Home . . . . .	209 59
Maintenance City Home Buildings . . . . .	103 21
School Contingent . . . . .	7 12
School Teachers' Salaries . . . . .	1,732 70
Maintenance Central Library . . . . .	117 81
West Somerville Branch Library . . . . .	109 26
Parks, Maintenance . . . . .	25
Maintenance Park Buildings . . . . .	2 89
Playgrounds, Maintenance . . . . .	16
Summer Playgrounds . . . . .	2 03
Municipal Documents . . . . .	109 64
Contingent Fund . . . . .	514 25
Interest . . . . .	873 90
	<hr/>
	\$12,796 17

DEBIT.

Balances of 1911 accounts:—	
Election Expenses:—	
City Clerk . . . . .	\$30 68
Registrars of Voters . . . . .	5 10
Fire Department . . . . .	1,044 38
Electrical Department . . . . .	3 44
Health Department . . . . .	178 57
Inspection of Animals and Provisions . . . . .	9 03
Street Lighting . . . . .	3,508 64
Support of Poor, Miscellaneous . . . . .	139 25
Military Aid . . . . .	14 00
Maintenance School Buildings . . . . .	2,930 71
	<hr/>
	\$7,863 80
Balance to credit of account, 1912 . . . . .	4,932 37
	<hr/>
	\$12,796 17

**Balances.**

Cash . . . . .	\$110,329 09
Election Expenses:—	
City Clerk . . . . .	30 68
Registrars of Voters . . . . .	5 10
Fire Department . . . . .	1,044 38
Electrical Department . . . . .	3 44
	<hr/>
Amount carried forward . . . . .	\$111,412 69



Amount brought forward . . . . .	\$111,412 69	
Health Department . . . . .	178 57	
Inspection of Animals and Provisions . . . . .	9 03	
Street Lighting . . . . .	3,508 64	
Support of Poor, Miscellaneous . . . . .	139 25	
Military Aid . . . . .	14 00	
Maintenance School Buildings . . . . .	2,930 71	
Public Library Trust Funds, Investments . . . . .	20,414 58	
Taxes, 1898 . . . . .	408 12	
1899 . . . . .	306 44	
1900 . . . . .	297 60	
1901 . . . . .	324 36	
1902 . . . . .	334 56	
1903 . . . . .	364 64	
1904 . . . . .	585 84	
1905 . . . . .	424 56	
1906 . . . . .	424 18	
1907 . . . . .	445 05	
1908 . . . . .	1,134 81	
1909 . . . . .	2,658 87	
1910 . . . . .	5,433 30	
1911 . . . . .	269,361 12	
Real Estate Liens . . . . .	631 83	
Metered Water Charges . . . . .	16,459 80	
Highway Betterment Assessments . . . . .	2,604 14	
Sidewalk Assessments . . . . .	13,101 95	
Sewer Assessments . . . . .	4,872 53	
Grade Crossings . . . . .	39,314 11	
Commonwealth of Massachusetts . . . . .	17,113 00	
Board of Aldermen Expenses . . . . .		\$401 03
Clerk of Committees and Departments . . . . .		430 87
Executive Department . . . . .		101 03
Auditing Department . . . . .		21 54
Treasury Department . . . . .		377 69
Assessors' Department . . . . .		248 24
City Clerk's Department . . . . .		1,081 10
Law Department . . . . .		132 39
City Messenger's Department . . . . .		3 38
Engineer's Department . . . . .		15 37
Commissioner of Public Buildings . . . . .		47 91
Maintenance Municipal Buildings . . . . .		76 02
Municipal Buildings, Vaults . . . . .		2,800 00
City Hall, Additional Accommodations . . . . .		186 58
Election Expenses, Pay of Election Officers . . . . .		188 00
Police Department . . . . .		2,084 31
Maintenance Police Buildings . . . . .		161 36
Police Department, Additional Equipment . . . . .		2,000 00
Police Building, Vault . . . . .		148 20
Maintenance Fire Buildings . . . . .		10 05
Fire Station, Winter Hill . . . . .		5,000 00
Sealing Weights and Measures . . . . .		139 24
Electrical Department, Underground Construction . . . . .		1,077 37
Elm-leaf Beetle Extermination . . . . .		86 02
Inspection of Milk and Vinegar . . . . .		63 51
Inspection of School Children . . . . .		42 00
Vital Statistics . . . . .		102 60
Contagious Disease Hospital . . . . .		343 25
Maintenance Contagious Disease Hospital . . . . .		87
Amounts carried forward . . . . .	\$515,208 28	\$17,370 01

Amounts brought forward . . . . .	\$515,208 28	\$17,370 01
Tuberculosis Hospital . . . . .		215 08
Maintenance Tuberculosis Hospital . . . . .		18 32
Sewers, Construction . . . . .		6,009 76
Sewers, Maintenance . . . . .		45
Maintenance Sewer Buildings . . . . .		7 87
Refuse and Garbage Disposal . . . . .		636 08
Maintenance Refuse and Garbage Buildings . . . . .		11 88
Incinerator Building . . . . .		121 11
Highways, Construction . . . . .		1,733 54
Highways, Maintenance . . . . .		2,769 90
Sidewalks, Construction . . . . .		62 38
Street Sprinkling . . . . .		1,965 68
Maintenance Highway Buildings . . . . .		14
Lowell Street Bridges . . . . .		2,407 18
Support of Poor, City Home . . . . .		209 59
Maintenance City Home Buildings . . . . .		103 21
City Home Addition . . . . .		7,983 43
School Contingent . . . . .		7 12
School Teachers' Salaries . . . . .		1,732 70
Bennett School Addition . . . . .		1,190 00
Burns School Addition . . . . .		778 00
William H. Hodgkins School Addition . . . . .		5,029 85
Industrial School for Girls . . . . .		162 28
Schoolhouse in Ward Seven . . . . .		50,302 52
Schoolhouses, Additional Window Space . . . . .		404 46
Maintenance Central Library . . . . .		117 81
Maintenance West Somerville Branch Library . . . . .		109 26
Ward One Branch Library . . . . .		132 72
Union Square Branch Library . . . . .		815 55
Library Trust Funds . . . . .		20,414 58
Library Trust Funds, Income . . . . .		873 20
Parks, Maintenance . . . . .		25
Maintenance Park Buildings . . . . .		2 89
Playgrounds, Maintenance . . . . .		16
Recreation Field, Alewife Brook . . . . .		74 68
Summer Playgrounds . . . . .		2 03
Municipal Documents . . . . .		109 64
Contingent Fund . . . . .		514 25
Building Public Buildings . . . . .		90 02
Interest . . . . .		873 90
Reduction of Funded Debt . . . . .		7,579 80
Overlay and Abatement . . . . .		20,308 49
Overplus on Tax Sales . . . . .		118 13
Coupons . . . . .		11,087 50
Sundry Persons . . . . .		750 88
Temporary Loans . . . . .		350,000 00
	\$515,208 28	\$515,208 28

**TABLE D.—STATEMENT OF ACCOUNTS, SHOWING APPROPRIATIONS, EXPENDITURES, ETC., TO DECEMBER 31, 1911.**

**Appropriations.**

CREDIT.

Taxes, amount assessed for municipal purposes . . . . .	\$1,039,400 00
Property and Debt Balance, amount provided by issue of bonds . . . . .	188,000 00
	\$1,227,400 00

## DEBIT.

Appropriations from tax levy:—

**General Government.**

Board of Aldermen Expenses . . . . .	\$800 00
Clerk of Committees and Departments . . . . .	4,700 00
Executive Department . . . . .	4,500 00
Auditing Department . . . . .	1,100 00
Treasury Department . . . . .	9,350 00
Assessors' Department . . . . .	11,000 00
City Clerk's Department . . . . .	3,100 00
Law Department . . . . .	2,500 00
City Messenger's Department . . . . .	1,900 00
Engineering Department . . . . .	11,500 00
Public Buildings Department, Commis- sioner Public Buildings . . . . .	4,550 00
Public Buildings Department, Maintenance Municipal Buildings . . . . .	6,000 00
Election Expenses:—	
City Clerk . . . . .	1,750 00
Registrars of Voters . . . . .	2,150 00
Pay of Election Officers . . . . .	2,700 00
Public Buildings Department, Polling Places . . . . .	800 00

Total General Government . . . . .	\$63,400 00
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**Protection of Life and Property.**

Police Department . . . . .	\$67,500 00
Public Buildings Department, Maintenance Police Buildings . . . . .	1,900 00
Fire Department . . . . .	38,500 00
Public Buildings Department, Maintenance Fire Buildings . . . . .	5,500 00
Militia . . . . .	500 00
Sealing of Weights and Measures . . . . .	1,900 00
Electrical Department . . . . .	8,500 00

Forestry:—

Gypsy and Brown-tail Moth Extermination, . . . . .	1,500 00
Elm-leaf Beetle Extermination . . . . .	800 00

Total Protection of Life and Property . . . . .	\$126,600 00
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**Health and Sanitation.**

Health:—

Health Department . . . . .	\$6,400 00
Inspection of Animals and Provisions . . . . .	1,225 00
Inspection of Milk and Vinegar . . . . .	1,000 00
Inspection of School Children . . . . .	1,550 00
City Clerk's Department, Vital Statistics . . . . .	2,500 00
Contagious Disease Hospital . . . . .	1,000 00
Public Buildings Department, Maintenance Contagious Disease Hospital . . . . .	2,400 00
Tuberculosis Hospital . . . . .	1,000 00
Public Buildings Department, Maintenance Tuberculosis Hospital . . . . .	1,200 00

Amounts carried forward . . . . .	\$18,275 00	\$195,000 00
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Amounts brought forward . . . . .	\$18,275 00	\$195,000 00
Sanitation:—		
Public Buildings Department, Maintenance		
Sewer Buildings . . . . .	100 00	
Refuse and Garbage Disposal . . . . .	50,000 00	
Public Buildings Department, Maintenance		
Refuse and Garbage Buildings . . . . .	750 00	
	<hr/>	
Total Health and Sanitation . . . . .		69,125 00
<b>Highways.</b>		
Street Lighting . . . . .	\$51,000 00	
Public Buildings Department, Maintenance		
Highway Buildings . . . . .	600 00	
	<hr/>	
Total Highways . . . . .		51,600 00
<b>Charities.</b>		
Support of Poor, Miscellaneous . . . . .	\$12,500 00	
Support of Poor, City Home . . . . .	3,000 00	
Public Buildings Department, Maintenance		
City Home Buildings . . . . .	1,800 00	
Somerville Hospital . . . . .	5,000 00	
	<hr/>	
Total Charities . . . . .		22,300 00
<b>Soldiers' Benefits.</b>		
Soldiers' Relief . . . . .	\$23,000 00	
Military Aid . . . . .	400 00	
	<hr/>	
Total Soldiers' Benefits . . . . .		23,400 00
<b>Education.</b>		
School Contingent . . . . .	\$31,000 00	
School Teachers' Salaries . . . . .	295,000 00	
Public Buildings Department, Maintenance		
School Buildings . . . . .	62,000 00	
	<hr/>	
Total Education . . . . .		388,000 00
<b>Libraries.</b>		
Central Library . . . . .	\$17,000 00	
Public Buildings Department, Maintenance		
Central Library . . . . .	3,700 00	
West Somerville Branch Library . . . . .	5,000 00	
Public Buildings Department, Maintenance		
West Somerville Branch Library . . . . .	1,750 00	
	<hr/>	
Total Libraries . . . . .		27,450 00
<b>Recreation.</b>		
Engineering Department, Parks Maintenance		
. . . . .	\$7,900 00	
Public Buildings Department, Maintenance		
Park Buildings . . . . .	300 00	
	<hr/>	
Amounts carried forward . . . . .	\$8,200 00	\$776,875 00



Amounts brought forward . . . . .	\$8,200 00	\$776,875 00
Engineering Department, Playgrounds Maintenance . . . . .	3,000 00	
School Department, Summer Playgrounds . . . . .	1,600 00	
Public Buildings Department, Maintenance Bathhouse . . . . .	800 00	
Celebrations:— Memorial Day . . . . .	425 00	
<b>Total Recreation . . . . .</b>		<b>14,025 00</b>

**Unclassified.**

Municipal Documents . . . . .	\$500 00	
Contingent Fund . . . . .	1,000 00	
<b>Total Unclassified . . . . .</b>		<b>1,500 00</b>

**Municipal Indebtedness.**

Interest . . . . .	\$85,000 00	
Reduction of Funded Debt . . . . .	162,000 00	
<b>Total Municipal Indebtedness . . . . .</b>		<b>247,000 00</b>
		<b>\$1,039,400 00</b>

## Appropriations on Funded Debt account:—

Highways, Construction . . . . .	\$50,000 00	
Highways, Paved Gutters and Crossings . . . . .	6,500 00	
Building Public Buildings . . . . .	70,000 00	
Sewers, Construction . . . . .	20,000 00	
Sidewalks, Construction . . . . .	20,000 00	
Police Department, Additional Equipment . . . . .	4,000 00	
Fire Department, Additional Apparatus . . . . .	2,500 00	
Recreation Field, Alewife Brook . . . . .	15,000 00	
		<b>188,000 00</b>
		<b>\$1,227,400 00</b>

**GENERAL GOVERNMENT.****Board of Aldermen Expenses.**

## CREDIT.

Appropriations, from Taxes, 1911 . . . . .	\$800 00	
Excess and Deficiency account, amount transferred . . . . .	200 00	
Election Expenses, City Clerk account, amount transferred . . . . .	500 00	
Cash, received of New England Telephone & Telegraph Co., order blanks . . . . .	12 00	
		<b>\$1,512 00</b>
Excess and Deficiency account, balance transferred . . . . .	401 08	
		<b>\$1,110 92</b>

## DEBIT.

## (Expenditures.)

Cash, paid Boston Regalia Co., gavel . . . . .	\$1 50	
John F. Biggs & Co., printing and registers . . . . .	197 00	
<b>Amount carried forward . . . . .</b>	<b>\$198 50</b>	

Amount brought forward . . . . .	\$198 50
Boulevard Auto Co., Inc., car hire . . . . .	72 00
Harry G. Chase, disbursements . . . . .	28 00
Thomas Groom & Co., books and stationery . . . . .	32 30
Herbert W. Grindal, analyzing expenditures . . . . .	13 00
Richard A. Keyes, stenography and supplies . . . . .	141 00
Wesley A. Maynard, printing . . . . .	16 75
Jairus Mann, disbursements . . . . .	7 50
Joseph S. Pike, expenses of president of board of aldermen to Budget Exhibit, Asa B. Prichard, disbursements . . . . .	27 85
Svea M. Pearson, stenography and supplies . . . . .	9 30
Pneumatic Hand Stamp Co., stamps . . . . .	18 32
Revere House, dinners . . . . .	114 00
Somerville Post-office, postage . . . . .	27 75
Walter H. Snow & Sons, catering . . . . .	160 00
Somerville Journal Co., printing and advertising . . . . .	69 15
Smith-Premier Typewriter Co., rent . . . . .	7 50
Somerville Reporter, printing . . . . .	3 75
Thorpe's Express, expressing . . . . .	25
Samuel Ward Co., printing . . . . .	85 50

\$1,085 92

Engineering Department, charts . . . . . 25 00

\$1,110 92

**Clerk of Committees and Departments.**

CREDIT.

Appropriations, from Taxes, 1911 . . . . .	\$4,700 00
Excess and Deficiency account, balance transferred . . . . .	430 87
	<u>\$4,269 13</u>

DEBIT.

(Expenditures.)

Cash, paid William P. Mitchell, salary as clerk of committees and departments . . . . .	\$2,100 00
Laurence S. Howard, assistant . . . . .	1,200 00
Lucia A. Manning, assistant . . . . .	600 00
Florence Ham, assistant . . . . .	153 76
W. A. Greenough & Co., directory . . . . .	4 00
Thomas Groom & Co., books and stationery . . . . .	56 55
New England Telephone & Telegraph Co., service . . . . .	62 20
Pneumatic Hand Stamp Co., stamps . . . . .	2 50
Somerville Journal Co., printing . . . . .	14 50
Somerville Post-office, postage . . . . .	60 62
Smith-Premier Typewriter Co., supplies, Sampson & Murdock Co., directory . . . . .	5 25
Samuel Ward Co., stationery . . . . .	6 00
	3 75

\$4,269 13

**Executive Department.**

## CREDIT.

Appropriations, from Taxes, 1911 . . . . .	\$4,500 00
Excess and Deficiency account, amount transferred . . . . .	101 06

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\$4,398 94

## DEBIT.

## (Expenditures.)

Cash, paid Charles A. Burns, salary as mayor . . . . .	\$2,500 00
expenses to Budget Exhibit . . . . .	27 85
Fred E. Warren, secretary to the mayor, A. R. Andrews, noiseless automatics . . . . .	1,300 00
Boulevard Auto Co., car hire . . . . .	2 00
Boston Elevated Railway Co., special cars . . . . .	30 00
. . . . .	8 00
W. A. Greenough & Co., directory . . . . .	4 00
J. W. Howard, flowers . . . . .	43 70
Jameson Brothers, carriage hire . . . . .	10 00
Richard A. Keyes, services . . . . .	3 00
Wesley A. Maynard, printing and stationery . . . . .	7 50
New England Telephone & Telegraph Co., service . . . . .	54 00
Sampson & Murdock Co., directory . . . . .	6 00
Somerville Young Men's Christian Association, rent of hall . . . . .	25 00
Somerville Post-office, postage . . . . .	111 24
Somerville Journal Co., printing and stationery . . . . .	119 00
Underwood Typewriter Co., exchanging machine . . . . .	60 75
Samuel Ward Co., stationery . . . . .	86 90

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\$4,398 94

**Auditing Department.**

## CREDIT.

Appropriations, from Taxes, 1911 . . . . .	\$1,100 00
Excess and Deficiency account, balance transferred . . . . .	21 54

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\$1,078 46

## DEBIT.

## (Expenditures.)

Cash, paid Clarence T. Bruce, salary as auditor . . . . .	\$700 00
disbursements . . . . .	10 50
Pneumatic Hand Stamp Co., stamps . . . . .	16 86
Edwin L. Pride & Co., auditing . . . . .	350 00
Fred W. Reed, office supplies . . . . .	1 10

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\$1,078 46

**Treasury Department.**

## CREDIT.

Appropriations, from Taxes, 1911 . . . . .	\$9,350 00
Excess and Deficiency account, balance transferred . . . . .	377 69

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Amount carried forward . . . . . \$8,972 31

Amount brought forward . . . . .		\$8,972 31
Receipts:—		
Commonwealth of Massachusetts, fees for collecting national bank tax . . . . .		13 49
Cash, received of sundry persons:—		
Fees for releasing tax liens . . . . .	\$13 00	
Certificates of liens . . . . .	225 00	
Costs on taxes and assessments . . . . .	3,937 43	
Joseph S. Pike, telephone . . . . .	16 00	
	<hr/>	4,191 43
		<hr/>
		\$13,177 23

DEBIT.

(Expenditures.)

Cash, paid Joseph S. Pike, salary as city treasurer . . . . .	\$3,000 00
expenses to convention of accounting officers . . . . .	49 75
expenses to Budget Exhibit . . . . .	27 85
Charles L. Ellis, deputy collector of taxes . . . . .	1,450 00
disbursements . . . . .	26 75
Beulah M. Peirce, first assistant . . . . .	1,000 00
Louise B. McLaughlin, second assistant . . . . .	700 00
postage stamps . . . . .	10 00
Florence M. Grow, third assistant . . . . .	600 00
Marion C. Kendall, fourth assistant . . . . .	600 00
Winnifred P. Briggs, fifth assistant . . . . .	588 45
Susan L. Briggs, clerical services . . . . .	135 00
Lilla A. Johnson, clerical services . . . . .	360 00
May G. Canfield, clerical services . . . . .	217 35
Nema Tower, clerical services . . . . .	73 33
Marjorie Loring, clerical services . . . . .	64 00
Jeanette Hutchins, clerical services . . . . .	40 00
Helen M. Keeler, clerical services . . . . .	38 66
Loena A. Snowman, clerical services . . . . .	25 33
Edith H. Bradford, clerical services . . . . .	12 00
Theodore H. Locke, services and collecting . . . . .	84 71
Charles B. Palmer, fees for collecting delinquent taxes . . . . .	4 50
M. E. Sturtevant, fees for collecting delinquent taxes . . . . .	28 50
Somerville National Bank, clearing house charges . . . . .	5 34
National Security Bank, clearing house charges . . . . .	2 08
American Surety Company of New York, treasurer's bonds . . . . .	224 00
A. R. Andrews, noiseless automatics . . . . .	7 00
American Express Co., expressing . . . . .	1 10
A. W. Babbitt, check registers . . . . .	11 00
Boston News Bureau, subscription . . . . .	12 00
Burroughs Adding Machine Co., attention to machines . . . . .	6 46
Brown's Express, expressing . . . . .	75
	<hr/>
Amount carried forward . . . . .	\$9,405 91



Amount brought forward . . . . .	\$9,405 91	
Edwin O. Childs, Register, recording affidavits of tax sales . . . . .	17 40	
The Carter's Ink Co., ink . . . . .	4 50	
B. F. Cummins Co., repairing perforator . . . . .	6 05	
George E. Damon Co., year book . . . . .	2 00	
Globe-Wernicke Co., folders . . . . .	1 15	
Thomas Groom & Co., books and stationery . . . . .	333 57	
Gilman Express Co., expressing . . . . .	15	
W. A. Greenough & Co., directories . . . . .	8 00	
William H. Gleason, printing . . . . .	12 25	
The J. C. Hall Co., lithographing checks . . . . .	115 00	
E. F. Hicks, lunches . . . . .	12 00	
Ihling Brothers, Everard Co., book . . . . .	2 50	
Howard Lowell & Son, carriage hire . . . . .	115 00	
A. G. Moore & Co., printing . . . . .	3 50	
McGrath & Woodley, book . . . . .	18 00	
Wesley A. Maynard, printing . . . . .	266 00	
National Association of Credit Men, diary . . . . .	2 00	
New England Telephone & Telegraph Co., service . . . . .	112 48	
Old Colony Trust Co., certified bonds insurance on registered mail . . . . .	150 00	
	70	
Pneumatic Hand Stamp Co., stamps . . . . .	4 00	
Standard Stamp Affixer Co., machine . . . . .	18 00	
Somerville Post-office, postage . . . . .	1,552 43	
Smith-Premier Typewriting Co., repairs, . . . . .	6 25	
Somerville Journal Co., printing . . . . .	297 54	
advertising tax sales, and deeds . . . . .	562 60	
Sampson & Murdock Co., directory . . . . .	5 50	
Somerville Reporter, printing . . . . .	29 00	
Thorpe's Express, expressing . . . . .	1 15	
Turner & Co., envelopes . . . . .	96 60	
Yale & Towne Mfg. Co., cleaning and insuring time lock . . . . .	15 00	
	<hr/>	\$13,177 23

**Assessors' Department.**

CREDIT.

Appropriations, from Taxes, 1911 . . . . .	\$11,000 00
Excess and Deficiency account, balance transferred . . . . .	248 24
	<hr/>
	\$10,751 76

DEBIT.

(Expenditures.)

Cash, paid George W. Perkins, salary as chairman of the board of assessors . . . . .	\$2,000 00
Nathan H. Reed, assessor . . . . .	800 00
George E. Elliott, assessor . . . . .	800 00
Winsor L. Snow, assessor . . . . .	800 00
Harry Van Iderstine, assessor . . . . .	800 00
Fred B. Clapp, assistant assessor . . . . .	250 00
James Wilson, assistant assessor . . . . .	250 00
	<hr/>
Amount carried forward . . . . .	\$5,700 00

Amount brought forward . . . . .	\$5,700 00	
John F. Stackpole, assistant assessor . . . . .	250 00	
George I. Canfield, assistant assessor . . . . .	250 00	
J. Robert Fenelon, assistant assessor . . . . .	250 00	
William H. Wallis, assistant assessor . . . . .	250 00	
Abbie D. Southworth, assistant . . . . .	689 55	
disbursements . . . . .	14 60	
Mabel E. Hall, assistant . . . . .	600 00	
Bertha M. Boyd, assistant . . . . .	417 81	
Jeanette Hutchins, clerical services . . . . .	134 67	
Edna L. Goodwin, clerical services . . . . .	130 67	
Loena A. Snowman, clerical services . . . . .	125 34	
Josephine M. Sander, clerical services . . . . .	106 67	
Hazel M. Etter, clerical services . . . . .	92 01	
Nema Tower, clerical services . . . . .	88 01	
May G. Canfield, clerical services . . . . .	80 00	
Edith H. Bradford, clerical services . . . . .	60 00	
Lulu E. Chapman, clerical services . . . . .	10 67	
Leonard C. Spinney, street clerk . . . . .	68 00	
Theodore H. Locke, street clerk . . . . .	64 00	
Stanley C. Converse, street clerk . . . . .	58 00	
Raymond A. Farr, street clerk . . . . .	56 00	
E. R. Butterworth, rent of car . . . . .	10 00	
I. C. Caverly, rent of car . . . . .	5 00	
L. E. Clayton, stationery . . . . .	1 10	
Carter's Ink Co., ribbons . . . . .	9 75	
Glines & Co., expressing . . . . .	30	
W. A. Greenough & Co., directory . . . . .	4 00	
Thomas Groom & Co., stationery . . . . .	75	
E. F. Hicks, lunch . . . . .	11 00	
John Johnson, carriage hire . . . . .	5 00	
Wesley A. Maynard, printing and ad- vertising . . . . .	30 50	
New England Telephone & Telegraph Co., service . . . . .	37 76	
Pneumatic Hand Stamp Co., stamps . . . . .	3 45	
Somerville Journal Co., printing . . . . .	799 25	
Somerville Reporter, advertising . . . . .	18 00	
Smith-Premier Typewriter Co., machine, Somerville Post-office, postage . . . . .	79 50	
Thorpe's Express, expressing . . . . .	22 00	
Samuel Ward Co., supplies . . . . .	1 10	
Yawman, Erbe Mfg. Co., indexes . . . . .	214 50	
	2 80	
		<u>\$10,751 76</u>

**City Clerk's Department.**

CREDIT.

Appropriations, from Taxes, 1911 . . . . .		\$3,100 00
Excess and Deficiency account, balance transferred . . . . .		1,081 10
		<u>\$2,018 90</u>
Cash, received of Frederic W. Cook, city clerk:—		
Recording mortgages . . . . .	\$458 50	
Dog licenses . . . . .	344 40	
Marriage certificates . . . . .	908 00	
Amusements . . . . .	242 00	
Transporting liquors . . . . .	18 00	
		<u>\$1,970 90</u>
Amounts carried forward . . . . .	\$1,970 90	\$2,018 90

Amounts brought forward . . . . .	\$1,970 90	\$2,018 90
Junk licenses . . . . .	625 00	
Badges . . . . .	2 00	
Street musicians . . . . .	8 50	
Copies of records . . . . .	146 00	
Wagon licenses . . . . .	106 00	
Liquor licenses . . . . .	34 00	
Billiards and pool . . . . .	164 00	
Intelligence offices . . . . .	20 00	
Auctioneers' licenses . . . . .	44 00	
Slaughtering . . . . .	6 00	
Drivers' licenses . . . . .	13 00	
Wagon stands . . . . .	3 00	
Private detectives . . . . .	50 00	
Sale of old ballots . . . . .	3 12	
Interest on deposits . . . . .	13 82	
Hackney carriages . . . . .	17 00	
Garages . . . . .	112 00	
Innholders and common victuallers . . . . .	98 00	
Drain layers' bonds . . . . .	8 00	
Edison Electric Illuminating Co., notices, . . . . .	13 80	
Wood alcohol . . . . .	1 00	
Projections over sidewalk . . . . .	21 00	
New England Telephone & Telegraph Co., notices . . . . .	37 10	
Ringling bell . . . . .	11 00	
Registration fee . . . . .	1 00	
Cry goods . . . . .	93 00	
Engines and motors . . . . .	15 00	
	<hr/>	3,637 24
Election Expenses, City Clerk account, clerical work . . . . .	\$275 00	
City Clerk's Department, Vital Statistics ac- count, clerical work . . . . .	1,360 00	
Election Expenses, Registrars of Voters ac- count, clerical work . . . . .	450 00	
	<hr/>	2,085 00
		<hr/>
		\$7,741 14

## DEBIT.

(Expenditures.)

Cash, paid Frederic W. Cook, salary as city clerk . . . . .	\$2,700 00
extra services in revision of ordi- nances . . . . .	300 00
Howard E. Wemyss, assistant city clerk, . . . . .	1,400 00
Clara B. Snow, first assistant . . . . .	800 00
Edith A. Woodman, second assistant . . . . .	588 50
Alice M. Vincent, third assistant . . . . .	588 50
Florence H. Plimpton, fourth assistant . . . . .	600 00
Dorothy S. Winchenbach, clerical ser- vices . . . . .	4 67
American Multigraph Sales Co., repairs . . . . .	7 87
Allen, Doane & Co., badges . . . . .	2 00
American Express Co., expressing . . . . .	35
T. H. Ball, forms . . . . .	4 20
Robert Burlen, binding . . . . .	36 45
	<hr/>
Amount carried forward . . . . .	\$7,032 54

APPENDIX TO TREASURER AND COLLECTOR'S REPORT. 61

Amount brought forward . . . . .	\$7,032 54	
Carter's Ink Co., ribbons . . . . .	21 70	
Bernard S. Coddling, repairing time clock stamp . . . . .	3 00	
The Dennison-Pratt Paper Co., Inc., paper . . . . .	4 20	
John Donnelly & Sons, posting . . . . .	39 00	
George E. Damon Co., year book . . . . .	2 00	
Gray & Turner, premiums . . . . .	30 40	
Thomas Groom & Co., pencil pointer . . . . .	3 00	
Glines & Co., expressing . . . . .	85	
W. A. Greenough & Co., directory . . . . .	4 00	
Gilman Express Co., expressing . . . . .	30	
Hobbs & Warren, forms . . . . .	2 82	
Keefe, Davidson Co., book . . . . .	5 00	
Library Bureau, index cards . . . . .	29 21	
McGrath & Woodley, binding . . . . .	3 75	
The Monarch Typewriter Co., machine . . . . .	40 00	
Wesley A. Maynard, printing and adver- tising . . . . .	60 50	
New England Telephone & Telegraph Co., service . . . . .	146 73	
Pneumatic Hand Stamp Co., stamps . . . . .	4 12	
Sampson & Murdock Co., directory . . . . .	6 00	
Somerville Journal Co., printing and ad- vertising . . . . .	96 15	
Somerville Post-office, postage . . . . .	156 00	
Thorpe's Express, expressing . . . . .	55	
Samuel Ward Co., stationery . . . . .	49 32	
		<u>\$7,741 14</u>

**Law Department.**

CREDIT.

Appropriations, from Taxes, 1911 . . . . .	\$2,500 00
Excess and Deficiency account, balance transferred . . . . .	132 39
	<u>\$2,367 61</u>

DEBIT.

(Expenditures.)

Cash, paid Frank W. Kaan, salary as city solicitor . . . . .	\$2,100 00
disbursements . . . . .	150 61
James M. Harmon, salary as claim agent . . . . .	100 00
disbursements . . . . .	6 50
Eugene H. Jones, photographs of Pow- der House boulevard . . . . .	10 50
	<u>\$2,367 61</u>

**City Messenger's Department.**

CREDIT.

Appropriations, from Taxes, 1911 . . . . .	\$1,900 00
Excess and Deficiency account, balance transferred . . . . .	3 38
	<u>\$1,896 62</u>



## DEBIT.

(Expenditures.)

Cash, paid Jairus Mann, salary as city messenger . . . . .	\$1,500 00	
H. A. Brownell, repairing . . . . .	6 05	
J. H. Edwards, repairing . . . . .	35	
Thomas Groom & Co., books . . . . .	2 60	
Jameson Brothers, board of horse . . . . .	275 00	
New England Telephone & Telegraph Co., service . . . . .	24 02	
Pearl Street Shoeing Forge, shoeing . . . . .	28 60	
A. P. Rockwood, carriage hire . . . . .	9 00	
R. E. Small & Co., carriage repairs . . . . .	2 50	
Charles L. Underhill, carriage repairs . . . . .	48 50	
		<u>\$1,896 62</u>

**Engineering Department.**

## CREDIT.

Appropriations, from Taxes, 1911 . . . . .	\$11,500 00
Excess and Deficiency account, balance transferred . . . . .	15 37
	<u>\$11,484 63</u>

Cash, received of abutters for plans, as follows:—

Garrison avenue . . . . .	\$5 00	
Lowell street . . . . .	5 00	
Shawmut place . . . . .	5 00	
Dearborn road . . . . .	5 00	
Leland street . . . . .	5 00	
Pritchard avenue . . . . .	5 00	
Conwell avenue . . . . .	10 00	
		<u>40 00</u>
Board of Aldermen Expenses account, charts . . . . .	\$25 00	
Recreation Field, Alewife Brook account, services and inspection . . . . .	100 00	
		<u>125 00</u>
		<u>\$11,649 63</u>

## DEBIT.

(Expenditures.)

Cash, paid Ernest W. Bailey, salary as city engineer . . . . .	\$3,000 00	
allowance for team . . . . .	90 00	
registration of automobile . . . . .	7 50	
Engineer's assistants . . . . .	7,536 60	
Engineer's assistants, car fares . . . . .	183 17	
American Express Co., express . . . . .	1 80	
Boston Burial Case Co., stakes . . . . .	30 00	
George R. Bascom Co., tube . . . . .	6 55	
D. J. Bennett, chamois . . . . .	4 25	
Boulevard Auto Co., repairing . . . . .	15 00	
Charles E. Berry, repairing . . . . .	7 25	
Cotter's Express, expressing . . . . .	15	
L. E. Clayton, cotton cloth . . . . .	6 05	
Davenport-Brown Co., pattern maker . . . . .	2 00	
Neils A. Dolleris & Son, batteries . . . . .	35 10	
		<u>\$10,925 42</u>
Amount carried forward . . . . .	\$10,925 42	

Amount brought forward . . . . .	\$10,925 42	
E. W. Danforth, tires for auto . . . . .	45 13	
Enterprise Rubber Co., inner tubes . . . . .	29 20	
J. H. Edwards, sharpening drills . . . . .	30	
Frost & Adams Co., supplies . . . . .	26 65	
Thomas Groom & Co., stationery . . . . .	22 15	
Gilman Express Co., expressing . . . . .	45	
Glines & Co., expressing . . . . .	15	
Harvard Vulcanizing Co., repairing tubes . . . . .	33 57	
Hub Cycle Co., cases . . . . .	60 00	
Eugene H. Jones, photographs . . . . .	25 50	
Library Bureau, index cards . . . . .	1 75	
Ledder & Probst, ink . . . . .	26	
Municipal Journal, subscription . . . . .	3 00	
B. L. Makepeace, blue print cloth . . . . .	25 40	
Martin & Wood, batteries . . . . .	2 50	
New England Telephone & Telegraph Co., service . . . . .	91 94	
Reed Tire & Supply Co., case and tube . . . . .	42 35	
Shawmut Tire Co., shoes . . . . .	48 50	
Somerville Post-office, postage . . . . .	10 00	
Smith-Premier Typewriter Co., ribbon and repairs . . . . .	3 00	
The Underhill Co., shoes for automobile, . . . . .	110 46	
Charles L. Underhill, sharpening . . . . .	45	
Underhill Hardware Co., supplies . . . . .	1 90	
M. L. Vinal, books . . . . .	50	
Whitney & Snow, hardware . . . . .	11 95	
Wadsworth, Howland & Co., supplies . . . . .	33 56	
Samuel Ward Co., blocks . . . . .	3 85	
Waldo Brothers, mortar . . . . .	50	
	<hr/>	
	\$11,560 39	
Water Maintenance account, gasoline . . . . .	53 10	
Highways Maintenance account, sand, etc., . . . . .	8 14	
Sewers Maintenance account, labor, etc. . . . .	28 00	
	<hr/>	
		\$11,649 63

**Public Buildings Department, Commissioner of Public Buildings.**

CREDIT.

Appropriations, from Taxes, 1911 . . . . .	\$4,550 00
Excess and Deficiency account, balance transferred . . . . .	47 91
	<hr/>
	\$4,502 09

DEBIT.

(Expenditures.)

Cash, paid Walter T. Littlefield, salary as commissioner of public buildings . . . . .	\$2,250 00
George H. Galpin, assistant to commis- sioner of public buildings . . . . .	219 71
Florence Ham, assistant to commis- sioner of public buildings . . . . .	415 44
Duncan C. Green, inspector of plumbing, . . . . .	1,200 00
A. R. Andrews, noiseless automatics for typewriter . . . . .	2 00
	<hr/>
Amount carried forward . . . . .	\$4,087 15

Amount brought forward . . . . .	\$4,087 15	
Thomas Groom & Co., stationery . . . . .	21 20	
Gilman Express Co., expressing . . . . .	15	
W. A. Greenough & Co., directory . . . . .	4 00	
Alex. H. Irvin Co., staples . . . . .	30	
Wesley A. Maynard, paper and printing, . . . . .	38 00	
B. L. Makepeace, drawing paper . . . . .	2 45	
New England Telephone & Telegraph Co., service . . . . .	98 98	
Somerville Post-office, postage . . . . .	2 75	
Smith-Premier Typewriter Co., repairs and machine . . . . .	74 55	
Sanborn Map Co., correcting map . . . . .	10 00	
Somerville Journal Co., printing . . . . .	112 75	
Samuel Ward Co., stationery . . . . .	17 83	
Yawman, Erbe Mfg. Co., cards . . . . .	31 98	
		<u>\$1,502 09</u>

### Public Buildings Department, Maintenance Municipal Buildings.

#### CREDIT.

Appropriations, from Taxes, 1911 . . . . .		\$6,000 00
Public Buildings Department, Maintenance Bathhouse ac- count, amount transferred . . . . .		300 00
		<u>\$5,700 00</u>
Excess and Deficiency account, balance transferred . . . . .		76 02
		<u>\$5,623 98</u>
Cash, received of Asahel Wheeler Co., money refunded . . . . .	\$25 95	
James Bartley, money refunded . . . . .	4 00	
Willard C. Kinsley Post, No. 139, G. A. R., rent . . . . .	4 00	
		<u>33 95</u>
		<u>\$5,657 93</u>

#### DEBIT.

#### (Expenditures.)

Cash, paid janitors' salaries . . . . .	\$2,350 54
F. C. Ayer, lumber . . . . .	2 52
James Bartley, soap and supplies . . . . .	13 00
Burbank & Ryder Varnish Co., varnish . . . . .	6 30
Arthur W. Berry, carpentering . . . . .	44 95
Bostonian Laundry Co., laundering . . . . .	1 50
Cambridge Gas Light Co., gas . . . . .	29 69
C. W. Cahalan, plumbing . . . . .	16 76
Cambridge Ice Co., ice . . . . .	29 79
Jackson Caldwell & Co., furniture . . . . .	138 40
Davenport-Brown Co., boxes . . . . .	22 72
James Duncan, reseating chair . . . . .	1 00
Derby Desk Co., chair iron . . . . .	2 50
J. H. Edwards, repairs . . . . .	2 50
Edison Electric Illuminating Co., light- ing . . . . .	1,035 27
F. C. Fuller & Co., paint . . . . .	5 95
	<u>\$3,703 39</u>
Amount carried forward . . . . .	\$3,703 39

Amount brought forward . . . . .	\$3,703 39	
Fred W. Farrar, repairing clock . . . . .	1 50	
Gas Consumers' Association, rental . . . . .	2 00	
The General Fire Proofing Co., steel case . . . . .	32 75	
Ralph M. Graffam, wrench . . . . .	1 75	
Eugene Girroir, labor . . . . .	28 00	
Glines & Co., expressing . . . . .	2 50	
S. D. Hicks & Son, repairing gutters . . . . .	60 00	
James Harper & Co., upholstering . . . . .	10 00	
Hinckley Rendering Co., soap powder . . . . .	10 30	
Alfred H. Hines, mason work . . . . .	27 03	
J. J. Hurley & Co., repairing pipes . . . . .	4 94	
Jordan Marsh Co., dry goods . . . . .	5 00	
The George T. Johnson Co., toilet paper, Jenkins Brothers, valves . . . . .	11 50	
Frank O. Johnson, plumbing . . . . .	2 25	
Knott & Co., electrical work . . . . .	26 54	
The Kimball Sales Co., water cooler . . . . .	4 20	
E. & F. King & Co., soda ash . . . . .	9 45	
McKenney & Waterbury Co., electrical supplies . . . . .	5 07	
Charles F. Mills, carpentering . . . . .	25 60	
Martin & Wood, repairing locks, etc. . . . .	53 20	
J. Edward L. McLean, carpentering . . . . .	6 35	
C. W. H. Moulton Co., extension trestles . . . . .	97 00	
Mass. Metal Polish Co., polish . . . . .	20 00	
George W. Manning, labor on flag pole . . . . .	4 00	
G. F. McKenna & Son, teaming . . . . .	11 50	
New England Towel Supply Co., towels, R. G. Perkins, comb and brush . . . . .	10 00	
Pittsburg Plate Glass Co., glass . . . . .	116 75	
W. E. Plumer & Co., hardware . . . . .	75	
A. W. Phillips, mason work . . . . .	8 87	
A. H. Pendleton, blocketts . . . . .	1 66	
Perham's Express Co., expressing . . . . .	25 01	
George L. Robinson, painting . . . . .	6 00	
F. A. Rogers & Co., varnishing . . . . .	15	
Roberts Iron Works Co., plates . . . . .	293 93	
E. S. Sparrow & Co., hardware . . . . .	7 00	
S. M. Spencer Mfg. Co., brass tags . . . . .	22 03	
Thorpe's Express, expressing . . . . .	36 45	
Underhill Hardware Co., hardware . . . . .	1 28	
H. G. White Co., electrical work . . . . .	3 00	
The Warren Carpet Cleaning Co., rugs . . . . .	30 40	
Asahel Wheeler Co., paints . . . . .	29 44	
William J. Wiley, paints . . . . .	26 60	
Henry A. Wheeler & Co., re-covering awnings . . . . .	164 65	
Waldo Brothers, clay . . . . .	11 84	
L. A. Wright, repairing . . . . .	70 28	
Wellington-Wild Coal Co., coal . . . . .	2 00	
Yawman, Erbe Mfg. Co., section cases . . . . .	50	
	523 71	
	99 25	
	<hr/>	
	\$5,657 37	
Water Maintenance account, inspection . . . . .	56	
	<hr/>	
	<u>\$5,657 93</u>	



**Municipal Buildings, Vaults.**

## CREDIT.

Building Public Buildings account, amount transferred . . . . .	\$2,800 00
Balance to credit of account, 1912 . . . . .	2,800 00
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**City Hall, Additional Accommodations.**

## CREDIT.

Building Public Buildings account, amount transferred . . . . .	\$2,500 00
Balance to credit of account, 1912 . . . . .	186 58
	<hr/>

**\$2,313 42**

## DEBIT.

## (Expenditures.)

Cash, paid A. W. Berry, on account of contract . . . . .	\$1,640 00
Edison Electric Illuminating Co., lamps, . . . . .	9 00
J. J. Hurley & Co., installing radiators, . . . . .	280 40
Frank O. Johnson, plumbing . . . . .	279 24
B. L. Makepeace, blue prints . . . . .	28
Wesley A. Maynard, advertising . . . . .	2 00
McKenney & Waterbury Co., electrical work . . . . .	100 00
Somerville Journal Co., advertising . . . . .	2 50
	<hr/>
	<b>\$2,313 42</b>

**Election Expenses, City Clerk.**

## CREDIT.

Appropriations, from Taxes, 1911 . . . . .	\$1,750 00
Board of Aldermen Expenses account, amount transferred . . . . .	500 00
	<hr/>

**\$1,250 00**

Excess and Deficiency account, balance transferred . . . . .	30 68
	<hr/>

**\$1,280 68**

## DEBIT.

## (Expenditures.)

Cash, paid American Express Co., expressing . . . . .	\$ 30
Walter S. Barnes & Son, boxes . . . . .	9 80
John Bousfield, ringing bell . . . . .	2 00
Boulevard Auto Co., use of automobiles, . . . . .	193 00
L. E. Clayton, tape . . . . .	2 38
Frederic W. Cook, expenses . . . . .	3 80
John Donnelly & Sons, posting . . . . .	23 00
Glines & Co., expressing . . . . .	1 00
J. H. Kelley, repairing ballot boxes . . . . .	50 00
H. A. Kendall, ringing bell . . . . .	2 00
Pneumatic Hand Stamp Co., stamps . . . . .	9 43
Somerville Journal Co., printing ballots, etc. . . . .	485 71
Somerville Reporter, printing and advertising . . . . .	89 88
	<hr/>
Amount carried forward . . . . .	<b>\$872 30</b>

Amount brought forward . . . . .	\$872 30
Somerville Enterprise Publishing Co., advertising . . . . .	43 50
Sprague & Hathaway Co., mounting maps . . . . .	7 50
Whitney & Snow, hardware . . . . .	8 05
Walker Lithograph & Publishing Co., maps . . . . .	52 00
Samuel Ward Co., supplies . . . . .	22 33

\$1,005 68

City Clerk's Department account, clerical work . . . . .	275 00
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\$1,280 68

**Election Expenses, Registrars of Voters.**

CREDIT.

Appropriations, from Taxes, 1911 . . . . .	\$2,150 00
Excess and Deficiency account, balance transferred . . . . .	5 10

\$2,155 10

DEBIT.

Cash, paid Charles P. Lincoln, salary as registrar . . . . .	\$200 00
Frederic W. Cook, salary as registrar . . . . .	200 00
Douglass B. Foster, salary as registrar . . . . .	200 00
Edwin D. Sibley, salary as registrar . . . . .	200 00
Clinton E. Bray, clerical services . . . . .	48 00
Frank E. Merrill, clerical services . . . . .	42 00
Fred E. Warren, clerical services . . . . .	45 00
Howard E. Wemyss, clerical services . . . . .	55 50
Boulevard Auto Co., use of cars . . . . .	34 00
Robert Burlen, binding . . . . .	4 50
John Donnelly & Sons, posting . . . . .	48 00
Gridley Coffee House, lunches . . . . .	11 75
Glines & Co., expressing . . . . .	15
Macy, Stetson, Morris Co., printing . . . . .	7 75
Wesley A. Maynard, envelopes . . . . .	19 50
Somerville Enterprise Publishing Co., printing . . . . .	12 75
Pneumatic Hand Stamp Co., ribbons . . . . .	2 04
Somerville Journal Co., printing and ad- vertising . . . . .	446 00
Somerville Post-office, postage . . . . .	55 41
Somerville Reporter, advertising . . . . .	18 75
Samuel Ward Co., books and supplies . . . . .	54 00

\$1,705 10

City Clerk's Department account, clerical work . . . . .	450 00
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\$2,155 10

**Election Expenses, Pay of Election Officers.**

CREDIT.

Appropriations, from Taxes, 1911 . . . . .	\$2,700 00
Excess and Deficiency account, balance transferred . . . . .	188 00

\$2,512 00

## DEBIT.

## (Expenditures.)

Cash, paid election officers . . . . .	\$2,512 00
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**Election Expenses, Polling Places.**

## CREDIT.

Appropriations, from Taxes, 1911 . . . . .	\$800 00
Public Buildings Department, Maintenance Bathhouse account, amount transferred . . . . .	151 23
	\$648 77

## DEBIT.

## (Expenditures.)

Cash, paid F. C. Ayer, lumber . . . . .	\$2 63
Armstrong Brothers, plumbing . . . . .	1 33
C. Bowen, moving polling booths . . . . .	80 60
Boulevard Auto Co., use of cars . . . . .	24 00
Cambridge Gas Light Co., gas . . . . .	68
Carlisle-Ayer Co., window frames . . . . .	13 50
Philip Eberle, use of hall . . . . .	50 00
F. C. Fuller & Co., hardware . . . . .	40
A. C. Gordon, painting . . . . .	69 00
Eugene Girroir, setting up voting list boards . . . . .	4 00
N. D. B. Company, electrical work . . . . .	10 08
T. E. Littlefield, lumber . . . . .	7 20
Arthur T. McGilvrey, electrical work . . . . .	19 10
George F. McKenna & Son, teaming . . . . .	195 00
J. E. L. McLean, carpentering . . . . .	43 13
Charles F. Mills, carpentering . . . . .	49 40
Arthur G. Pearson, rent of hall . . . . .	60 00
Pittsburg Plate Glass Co., glass . . . . .	1 10
W. E. Plumer & Co., hardware . . . . .	40
George L. Robinson, painting . . . . .	6 22
E. S. Sparrow & Co., hardware . . . . .	2 43
Somerville Coal Co., fuel . . . . .	2 61
F. W. Smith & Co., hardware . . . . .	1 00
Underhill Hardware Co., hardware . . . . .	1 50
Wellington-Wild Coal Co., coal . . . . .	3 46
	\$648 77

**PROTECTION OF LIFE AND PROPERTY.****Police.**

## CREDIT.

Appropriations, from Taxes, 1911 . . . . .	\$67,500 00
Excess and Deficiency account, balance transferred . . . . .	2,084 31
	\$65,415 69

## Receipts:—

## Commonwealth of Massachusetts:—

Corporation tax . . . . .	\$22,808 82
National Bank tax . . . . .	4,380 31

	27,189 13
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Amount carried forward . . . . .	\$92,604 82
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APPENDIX TO TREASURER AND COLLECTOR'S REPORT. 69

Amount brought forward . . . . .		\$92,604 82
Stock and labor billed other departments:—		
Electrical Department account, board of horse . . . . .	\$88 56	
Sprinkling Streets account, services of officers . . . . .	167 50	
	<hr/>	256 06
Cash, received of John R. Fairbairn, master of house of correction, fines . . . . .	\$303 00	
Herbert A. Chapin, clerk of the courts, fines . . . . .	2,033 00	
Sundry persons, cloth for uniforms . . . . .	438 89	
Somerville High School Athletic Association, service of officers . . . . .	339 50	
	<hr/>	3,114 39
		<hr/>
		\$95,975 27

DEBIT.

(Expenditures.)

Cash, paid Charles A. Kendall, chief disbursements . . . . .	\$2,100 00
Robert R. Perry, captain . . . . .	1,575 00
Lieutenants:—	
Dennis Kelley . . . . .	1,415 00
Eugene A. Carter . . . . .	1,415 00
Charles A. Woodman . . . . .	1,417 00
Sergeants:—	
Edward McGarr . . . . .	1,260 00
George H. Carleton . . . . .	1,260 00
James M. Harmon . . . . .	1,266 00
John A. Ray . . . . .	1,270 00
Inspector:—	
Thomas Damery . . . . .	1,200 00
Patrolmen (salaries and extra duties):—	
Charles W. Allen . . . . .	1,149 30
Louis F. Arnold . . . . .	1,186 60
Louis J. Belzarini . . . . .	1,158 45
Robert T. Blair . . . . .	1,172 85
David A. Bolton . . . . .	343 35
Samuel Burns . . . . .	1,165 60
Edward M. Carter . . . . .	1,150 35
Jotham Chisholm . . . . .	1,164 60
Claude L. Crossman . . . . .	1,168 45
John J. Cummings . . . . .	1,148 40
John L. Cameron . . . . .	870 50
John A. Dadmun . . . . .	1,154 60
William J. Davidson . . . . .	1,160 35
Edward M. Davies . . . . .	1,169 35
Robert D. Dewar . . . . .	1,003 75
Ezra A. Dodge . . . . .	1,154 35
Patrick J. Doolin . . . . .	1,080 20
Dennis Downey . . . . .	1,167 10
Elmer E. Drew . . . . .	906 87
Joseph A. Dwyer . . . . .	1,164 70
Augustine J. Fitzpatrick . . . . .	979 20
Ernest S. Goff . . . . .	1,145 95
Frederick H. Googins . . . . .	1,109 65
	<hr/>
Amount carried forward . . . . .	\$39,095 43



Amount brought forward . . . . .	\$39,095 43
Myron S. Gott . . . . .	1,172 35
Frank H. Graves . . . . .	1,172 80
Walter L. Groves . . . . .	1,158 60
Albert C. Hawes . . . . .	907 80
Theodore H. Heron . . . . .	1,142 80
Herbert Hilton . . . . .	337 05
Edward J. Hopkins . . . . .	1,168 35
Frank C. Hopkins . . . . .	1,149 10
Ernest Howard . . . . .	1,145 55
Hudson M. Howe . . . . .	1,162 45
Francis P. Higgins . . . . .	659 25
Charles S. Johnston . . . . .	1,167 85
William H. Johnston . . . . .	437 85
Frederick G. Jones . . . . .	1,166 95
Edmund J. Keane . . . . .	1,178 10
Michael T. Kennedy . . . . .	1,146 60
William G. Kenney . . . . .	1,164 35
Sanford S. Lewis . . . . .	1,174 60
James M. Lynch . . . . .	1,164 10
Bernard McCabe . . . . .	997 00
Patrick McGrath . . . . .	1,011 55
Thomas F. McNamara . . . . .	1,147 48
Peter Moore . . . . .	981 00
Dennis G. Mulqueeney . . . . .	1,148 55
John J. McCahey . . . . .	531 00
Dennis Neylon . . . . .	1,164 85
Walter C. Oesting . . . . .	750 75
Francis A. Perkins . . . . .	1,143 24
George A. C. Peters . . . . .	1,158 70
James E. Phillips . . . . .	1,153 55
Walter Reed . . . . .	1,173 10
Charles W. Reick . . . . .	1,140 10
George L. Rice . . . . .	1,159 35
Jacob W. Skinner . . . . .	1,150 35
George L. Smith . . . . .	1,149 10
Clyde W. Steeves . . . . .	1,114 65
Martin Sharry . . . . .	1,180 35
Daniel G. Simons . . . . .	1,156 60
Lemuel J. Simons . . . . .	1,155 55
Charles W. Stevens . . . . .	1,154 45
Henry A. Sudbey . . . . .	1,163 78
William E. Taylor . . . . .	103 75
Thomas P. Walsh . . . . .	1,099 15
Eugene A. Woodsum . . . . .	1,158 70
Arthur S. Walsh . . . . .	622 75
Harry C. Young . . . . .	991 00
Drivers:—	
Martin E. Driscoll . . . . .	865 75
Charles J. Fulton . . . . .	830 00
James W. Lundergan . . . . .	819 00
James J. Barron . . . . .	94 50
Retired, half pay:—	
Melville C. Parkhurst . . . . .	1,000 00
George W. Bean . . . . .	546 00
John E. Fuller . . . . .	546 00
Ira S. Carleton . . . . .	546 00
James J. Pollard . . . . .	546 00
Amount carried forward . . . . .	\$92,525 58

Amount brought forward . . . . .	\$92,525 58
Albion L. Staples . . . . .	546 00
Herbert Hilton . . . . .	4 73
Sundry persons, special police . . . . .	135 00
Sundry persons, services at polling places . . . . .	168 00
Minnie F. Woodland, matron . . . . .	143 50
Auto List Publishing Co., auto list . . . . .	10 00
American Towel Supply Co., towels . . . . .	48 00
American Express Co., expressing . . . . .	2 50
Louis F. Arnold, disbursements . . . . .	4 10
Allen Brothers, badges and supplies . . . . .	15 90
D. J. Bennett, repairing . . . . .	27 05
Bostonian Laundry Co., laundering . . . . .	20 99
Henry Barrett, photographs . . . . .	22 00
David A. Bolton, disbursements . . . . .	2 15
E. B. Badger & Sons Co., wiring hooks . . . . .	4 75
Benjamin's Express, expressing . . . . .	15
Samuel Burns, motor boat hire . . . . .	5 00
Clarendon Stables, board of horse . . . . .	300 00
Eugene A. Carter, disbursements . . . . .	92 85
Robert Carleton & Co., repairing . . . . .	3 68
Jackson Caldwell, saddle horses . . . . .	33 00
Claude L. Crossman, disbursements . . . . .	2 10
Davenport-Brown Co., top for table . . . . .	2 40
George E. Damon Co., year book and stationery . . . . .	55 88
Thomas Damery, disbursements . . . . .	127 44
Edward J. Dailey, M. D., services . . . . .	2 00
Robert D. Dewar, harness repairs . . . . .	2 75
Davis Square Stable, carriage hire . . . . .	15 00
D. Evans & Co., buttons . . . . .	16 00
Fresh Pond Ice Co., ice . . . . .	16 00
J. L. Fairbanks, books . . . . .	7 50
W. A. Greenough & Co., directories . . . . .	16 00
Gilman Express Co., expressing . . . . .	30
Glines & Co., expressing . . . . .	45
Frank H. Graves, committing prisoners, . . . . .	2 10
Hobbs & Warren Co., supplies . . . . .	19 50
O. L. Hill, auto hire . . . . .	4 00
George F. Hughes, M. D., services . . . . .	3 00
William J. Hatchett, M. D., services . . . . .	2 00
William S. Howe, supplies . . . . .	2 65
William Hamel, photographs . . . . .	2 00
Hudson M. Howe, committing pris- oners . . . . .	2 15
Hill-Michie Co., auto hire . . . . .	20 00
Iver-Johnson Sporting Goods Co., sup- plies . . . . .	35 45
Benjamin R. Jones, disbursements . . . . .	1 25
J. B. Knight, blanket . . . . .	2 75
Michael T. Kennedy, disbursements . . . . .	13 77
Lord & Webster, grain . . . . .	93 24
M. Linsky & Brothers, insignia . . . . .	40 60
George W. Ladd, horseshoeing . . . . .	35 45
Little, Brown & Co., law books . . . . .	11 25
James M. Lynch, car fares . . . . .	30
Howard Lowell & Son, carriage hire . . . . .	2 00
Amount carried forward . . . . .	<u>\$94,672 21</u>

Amount brought forward . . . . .	\$94,672 21	
Peter Moore, disbursements . . . . .	8 83	
Mary McEachern, meals for prisoners . . . . .	25 75	
S. R. Masstrangialo, badges . . . . .	27 15	
Edward M. McCarthy, M. D., services . . . . .	2 00	
Frank L. Morse, auto hire . . . . .	10 00	
Bernard McCabe, committing prisoner . . . . .	2 10	
Martin & Wood, keys . . . . .	1 80	
New England Telephone & Telegraph Co., services . . . . .	230 13	
Neostyle Co., supplies . . . . .	3 75	
N. Y. Lubricating Oil Co., auto supplies, . . . . .	4 25	
John H. O'Neil, taking declaration . . . . .	10 00	
Fulton O'Brion, grain . . . . .	62 17	
Proctor Brothers Grain Co., hay and grain . . . . .	38 75	
Parke Snow, velveteen . . . . .	1 35	
W. E. Plumer & Co., supplies . . . . .	20	
Phelps Brothers, hay . . . . .	52 68	
Ira L. Roberts, horseshoeing . . . . .	128 50	
Robart, Carleton Co., repairs . . . . .	4 01	
A. P. Rockwood, carriage hire . . . . .	39 28	
John A. Ray, carriage hire . . . . .	3 00	
John B. Rufer, horse clipping . . . . .	26 10	
R. C. Small, repairs . . . . .	68 35	
Daniel G. Simons, disbursements . . . . .	9 20	
Stone & Forsyth, drinking cups . . . . .	8 50	
Somerville Journal Co., printing . . . . .	122 90	
S. Slater & Sons, police cloth . . . . .	247 24	
F. L. Sawtell, supplies . . . . .	3 83	
The Frank Shepard Co., annotations . . . . .	4 00	
Charles R. Simpson, veterinary services, . . . . .	10 50	
Somerville Post-office, postage . . . . .	10 00	
Nathan Tufts & Sons, oats and salt . . . . .	77 18	
William J. Thompson & Co., hay . . . . .	20 50	
Thorpe's Express, expressing . . . . .	75	
Underwood Typewriter Co., repairs . . . . .	4 25	
Whitney & Snow, hardware . . . . .	22 79	
M. W. White, M. D., services . . . . .	5 00	
Western Union Telegraph Co., telegram, . . . . .	1 27	
	<hr/>	
	\$95,970 27	
Fire Department account, badges . . . . .	5 00	
	<hr/>	
	<u>\$95,975 27</u>	

### Public Buildings Department, Maintenance Police Building.

#### CREDIT.

Appropriations, from Taxes, 1911 . . . . .	\$1,900 00
Excess and Deficiency account, balance transferred . . . . .	161 36
	<hr/>
	\$1,738 64
Receipts:—	
County of Middlesex, rent of court room . . . . .	750 00
	<hr/>
	\$2,488 64

DEBIT.

(Expenditures.)

Cash, paid janitors' salaries . . . . .	\$1,240 85	
Arthur W. Berry, carpentering . . . . .	28 00	
Cambridge Gas Light Co., gas . . . . .	245 31	
The Cornelius Callahan Co., landing pad,	10 00	
James Duncan, reseating chair . . . . .	1 50	
Thomas Dowd, plastering . . . . .	30 25	
Edison Electric Illuminating Co., light-		
ing . . . . .	307 96	
Fred W. Farrar, repairing clock . . . . .	2 50	
Gas Consumers' Association, service . . . . .	4 00	
Glines & Co., expressing . . . . .	65	
Eugene Girroir, labor . . . . .	4 00	
William J. Hanson, plumbing . . . . .	4 68	
F. A. Hanson, labor . . . . .	12 61	
William E. Howe, shades . . . . .	3 93	
C. A. Legallee, plumbing . . . . .	7 75	
Leavis & Doherty, plumbing . . . . .	3 50	
B. L. Makepeace, blue prints . . . . .	2 06	
Martin & Wood, keys, etc. . . . .	8 10	
George W. Manning, labor on flag poles,	4 50	
P. W. Merrill, painting screens . . . . .	15 50	
J. Edward L. McLean, carpentering . . . . .	7 90	
Charles F. Mills, carpentering . . . . .	5 70	
Pittsburg Plate Glass Co., glass . . . . .	9 96	
A. W. Phillips, mason work . . . . .	39 43	
W. E. Plumer & Co., hardware . . . . .	17 15	
George L. Robinson, painting . . . . .	21 84	
George B. Robbins Disinfectant Co.,		
disinfectant . . . . .	7 50	
Roberts Iron Works Co., plates . . . . .	4 96	
E. S. Sparrow & Co., hardware . . . . .	17 65	
Somerville Coal Co., coal . . . . .	23 20	
Whitney & Snow, hardware . . . . .	6 50	
H. W. Waite & Co., dust layer . . . . .	8 70	
Wellington-Wild Coal Co., coal . . . . .	362 85	
Asahel Wheeler Co., paint . . . . .	17 15	
Walker & Pratt Mfg. Co., water heater . . . . .	50	
		<u>\$2,488 64</u>

**Police Department, Additional Equipment.**

CREDIT.

Appropriations, from Funded Debt, 1911 . . . . .	\$4,000 00
Balance to credit of account, 1912 . . . . .	2,000 00
	<u>\$2,000 00</u>

DEBIT.

(Expenditures.)

Cash, paid The White Co., auto patrol and ambulance . . . . .	<u>\$2,000 00</u>
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**Police Building, Vault.**

CREDIT.

Building Public Buildings account, amount transferred . . . . .	\$3,000 00
Balance to credit of account, 1912 . . . . .	148 20
	<u>\$2,851 80</u>



## DEBIT.

## (Expenditures.)

Cash, paid A. W. Berry, constructing vault	\$1,675 00	
C. Bowen, lockers, etc.	4 20	
The General Fireproofing Co., steel vault case, ladder and track	443 50	
F. W. Holmes, painting	92 40	
Somerville Journal Co., advertising	3 00	
Leavis & Doherty, plumbing	450 00	
Wesley A. Maynard, advertising	3 00	
The Mosler Safe Co., vault	90 00	
Martin & Wood, electrical work	67 19	
W. E. Plumer & Co., hardware	17 30	
Whitney & Snow, hardware	6 21	
		\$2,851 80

**Fire Department.**

## CREDIT.

Appropriations, from Taxes, 1911	\$38,500 00
Water Works Income, amount appropriated	50,000 00
Excess and Deficiency account, balance transferred	1,044 38
	\$89,544 38

## Stock and labor billed other departments:—

Electrical Department account, board of horse	\$150 19	
Electrical Department account, motor	45 00	
Police Department account, badges	5 00	
Sewers Maintenance account, hose	11 95	
		212 14

## Receipts:—

Cash, received of City Treasurer, fines	\$502 00	
Sewall M. Rich, licenses	14 00	
George F. McKenna, pung	10 00	
Gulf Refining Co., hose	50 00	
McBarron Co., old battery	10 00	
City of Fitchburg, old wagon	400 00	
		986 00
		\$90,742 52

## DEBIT.

## (Expenditures.)

Cash, paid Sewall M. Rich, salary as chief engineer	\$1,900 00
disbursements	2 00
Edward W. Ring, assistant engineer	1,456 00
Joseph A. Cribby, assistant engineer	1,271 50
Permanent firemen and substitutes	64,276 95
Callmen:—	
Engine No. 4	1,224 52
Engine No. 6	433 32
Hose Co. No. 2	800 00
Hose Co. No. 3	749 94
Hose Co. No. 5	100 04
Ladder Co. No. 1	1,313 34
	\$73,527 01
Amount carried forward	

Amount brought forward . . . . .	\$73,527 61
Ladder Co. No. 2 . . . . .	1,716 62
Ladder Co. No. 3 . . . . .	1,000 00
Combination B Company . . . . .	99 96
Hose and Chemical No. 7 . . . . .	400 00
James R. Hopkins, pension . . . . .	1,200 00
Charles H. Bridges, pension . . . . .	100 00
Daniel R. Spike, pension . . . . .	100 00
William J. Blaisdell, pension . . . . .	100 00
John E. Hill, pension . . . . .	100 00
Thomas J. Joy, pension . . . . .	100 00
J. H. Edwards, horseshoeing . . . . .	260 80
George W. Ladd, horseshoeing . . . . .	109 55
George McDormand, horseshoeing . . . . .	167 65
Edw. O'Brien, horseshoeing . . . . .	13 45
E. E. Onley, horseshoeing . . . . .	19 10
J. B. Rufer, horseshoeing . . . . .	283 95
Ira L. Roberts, horseshoeing . . . . .	63 90
Harry Tobin, horseshoeing . . . . .	66 20
J. H. Thompson, horseshoeing . . . . .	55 35
I. B. Walker, horseshoeing . . . . .	145 65
T. Allen, horses . . . . .	496 00
American Express Co., expressing . . . . .	5 79
George A. Ayer, brooms . . . . .	45 50
American La France Fire Engine Co., supplies . . . . .	79 77
American Shearer Mfg. Co., grinding . . . . .	18 48
Andrews-Burr Paper Co., paper . . . . .	5 50
F. W. Barry, Beale & Co., stationery . . . . .	48 04
D. J. Bennett, repairing . . . . .	15 55
Charles E. Berry, repairing . . . . .	29 30
Charles A. Blethen, blankets . . . . .	18 25
Boston Nickel Plating Co., plating . . . . .	7 98
Bostonian Laundry, laundering . . . . .	185 31
Braman, Dow & Co., gaskets . . . . .	28 22
H. A. Brownell, repairing . . . . .	10 20
H. W. Bursaw, kerosene . . . . .	83 12
A. & E. Burton Co., brushes . . . . .	39 50
James M. Berry, supplies . . . . .	6 50
Brown's Express Co., expressing . . . . .	25
W. S. Burbank Co., sawdust . . . . .	3 45
Boston Ice Co., ice . . . . .	12 00
Boston Woven Hose & Rubber Co., hose . . . . .	442 40
Boston Belting Co., repairing . . . . .	3 65
Boston & Maine Railroad, freight . . . . .	7 50
George E. Byford, disinfectant . . . . .	5 75
Cornelius Callahan Co., fire hats, etc. . . . .	104 65
Chandler & Farquhar Co., tools . . . . .	330 58
Commonwealth Oil Co., soap . . . . .	33 04
George W. Cutter, insignia . . . . .	7 50
Combination Ladder & Rhode Island Coupling Co., dumping device and hose . . . . .	249 67
Cambridge Iron Works, repairing . . . . .	45 00
F. E. Cheney & Co., soap . . . . .	5 00
Cambridge Ice Co., ice . . . . .	30 20
Joe Cotter, belting . . . . .	32 77
Amount carried forward . . . . .	<u>\$82,066 31</u>

Amount brought forward . . . . .	\$82,066 31
Crosby Steam Gage & Valve Co., re- pairing . . . . .	4 50
Julian D'Esté Co., repairing locks . . . . .	135 81
Dodge Motor Vehicle Co., repairing . . . . .	133 25
Diamond Rubber Co., tire . . . . .	81 00
Dana's Express, expressing . . . . .	70
Eastern Drug Co., drugs . . . . .	46 28
Eastern Oil & Gasoline Supply Depot, gasoline . . . . .	2 80
J. Wesley Edmands & Son, metal polish, J. H. Edwards, repairing . . . . .	33 33
Firestone Tire & Rubber Co., repairing tires . . . . .	5 40
Frank E. Fitts Mfg. & Supply Co., waste . . . . .	158 49
Fenelon Pharmacy, medicine . . . . .	52 82
Fresh Pond Ice Co., ice . . . . .	60
Glines & Co., expressing . . . . .	31 51
Gilman Express Co., expressing . . . . .	31 50
W. A. Greenough & Co., directories . . . . .	5 60
Gillette Clipping Machine Co., cable and chain . . . . .	16 00
Goodyear Fire & Rubber Co., repairing, George E. Grover, sundries . . . . .	16 50
C. V. Hadley, lettering . . . . .	120 44
S. D. Hicks & Son, repairing . . . . .	2 70
Hill-Michie Co., cutting threads . . . . .	4 50
Jim Hodder, blankets . . . . .	42 95
Harrall Soap Co., soap powder . . . . .	2 60
Hill & Hill, snaps . . . . .	228 16
Heaney Mfg. Co., polish . . . . .	13 77
Iver Johnson Sporting Goods Co., chains for automobile . . . . .	16 98
Frank J. Jameson, metal polish . . . . .	9 00
J. A. Kiley, repairing . . . . .	14 41
O. F. Kress & Son, brakes . . . . .	12 00
Lord & Webster Co., hay and grain . . . . .	136 00
Dr. J. G. Lesure, horse medicine . . . . .	153 00
J. Loring & Co., nutriotine . . . . .	2,319 51
Martin & Wood, labor . . . . .	34 00
D. McDonald, repairing . . . . .	26 00
Morgan & Bond, dusters . . . . .	1 00
A. S. Morss Co., rope . . . . .	99 70
C. W. H. Moulton Co., shavings . . . . .	111 25
Mathieson Alkali Works, soda . . . . .	4 91
Mitchell Mfg. Co., badges . . . . .	34 30
Marine Torch Co., search lights . . . . .	114 20
Mystic Rubber Co., shoes . . . . .	16 75
New England Telephone and Telegraph Co., service . . . . .	15 00
George W. Norton, soap . . . . .	4 75
Fulton O'Brion, oats . . . . .	132 16
H. H. Osgood & Co., squilgees . . . . .	37 45
John A. Pendergast, mops . . . . .	723 59
Proctor Brothers Grain Co., hay and grain . . . . .	12 00
"Prest-O-Lito" Co., tanks . . . . .	29 00
Amount carried forward . . . . .	464 25
	4 90
	<hr/>
Amount carried forward . . . . .	\$87,868 63

Amount brought forward . . . . .	\$37,868 63	
Phelps Brothers, hay and straw . . . . .	974 98	
Perham's Express, expressing . . . . .	25	
The Phillips Co., tripoli . . . . .	57	
W. E. Plumer & Co., batteries . . . . .	2 40	
J. B. Rufer, repairing . . . . .	171 20	
Somerville Post-office, postage . . . . .	5 00	
Scoville Mfg. Co., buttons . . . . .	30 38	
Charles R. Simpson, veterinary services . . . . .	61 75	
Standard Oil Co., gasoline . . . . .	17 20	
Somerville Journal Co., printing . . . . .	108 19	
Standard Extinguisher Co., repairing . . . . .	7 80	
Stewart & Salisbury, medicine . . . . .	6 76	
Shepard, Norwell Co., crash . . . . .	18 40	
Thorpe's Express, expressing . . . . .	1 00	
Nathan Tufts & Sons, oats and hay . . . . .	1,028 42	
William J. Thompson & Co., hay and straw . . . . .	211 74	
Charles L. Underhill, repairing . . . . .	75	
Underhill Hardware Co., hardware . . . . .	56 70	
U. S. Rubber Tire Co., repairing . . . . .	27 30	
West Disinfecting Co., disinfectant . . . . .	62 50	
William J. Wiley, repairing . . . . .	1 60	
L. A. Wright, repairing . . . . .	22 00	
Fred H. Wentworth, badges . . . . .	4 00	
Winchester Tar Disinfectant Co., disinfectant . . . . .	9 25	
Whittier Wooden Ware Co., scrubs . . . . .	4 00	
Whitney & Snow, hardware . . . . .	1 00	
G. H. Worcester & Co., chamois . . . . .	20 75	
Winter Hill Ice Co., ice . . . . .	18 00	
		<u>\$90,742 52</u>

**Fire Department, Additional Apparatus.**

CREDIT.

Appropriations, from Funded Debt, 1911 . . . . .	\$2,500 00
Fire Station, Winter Hill account, amount transferred . . . . .	<u>2,500 00</u>

**Public Buildings Department, Maintenance Fire Buildings.**

CREDIT.

Appropriations, from Taxes, 1911 . . . . .	\$5,500 00
Public Buildings Department, Maintenance Bathhouse account, amount transferred . . . . .	<u>200 00</u>

	\$5,300 00
Excess and Deficiency account, balance transferred . . . . .	<u>10 05</u>

\$5,289 95

Receipts:—

Cash, received of Mark W. Patten, old doors . . . . .	5 00
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\$5,294 95



## DEBIT.

## (Expenditures.)

Cash, paid F. C. Ayer, lumber . . . . .	\$112 29
J. M. Andrews & Son, carpentering . . . . .	147 95
J. H. Adcock, plumbing . . . . .	21 33
Michael J. Bowdren, gardening . . . . .	6 25
Bliss Brothers, hardware . . . . .	60
Broad Gauge Iron Works, gilding . . . . .	3 00
Edward H. Barter, repairing clocks . . . . .	1 50
Cambridge Gas Light Co., gas . . . . .	52 02
Charlestown Gas & Electric Co., gas . . . . .	30 43
Jackson Caldwell & Co., furniture . . . . .	391 15
Bernard S. Coddington, repairing clock . . . . .	1 50
Davenport-Brown Co., wood work . . . . .	56 80
J. A. Durell, plumbing . . . . .	12 08
Thomas Dowd, plastering . . . . .	53 78
R. W. Doe, stove pipe . . . . .	2 85
Edison Electric Illuminating Co., lighting . . . . .	1,116 88
J. J. Fisher, plumbing . . . . .	6 43
F. C. Fuller & Co., ash cans . . . . .	5 50
F. W. Foster & Sons Co., grate bars . . . . .	4 30
Frank E. Fitts Mfg. & Supply Co., ash cans . . . . .	6 75
Glines Express Co., expressing . . . . .	1 25
Gilman Express Co., expressing . . . . .	50
C. H. M. Hunnewell, plumbing . . . . .	30 47
J. J. Hurley & Co., labor on heating apparatus . . . . .	41 09
S. D. Hicks & Son, repairing vane . . . . .	4 00
Edgar O. Hunt, plumbing . . . . .	3 00
William S. Howe, plumbing . . . . .	7 75
Hemeon Brothers, carpentering . . . . .	33 83
Hodge Boiler Works, labor . . . . .	2 25
Ideal Supply Co., plumbing . . . . .	1 55
Frank O. Johnson, plumbing . . . . .	1 45
John Lingard, painting . . . . .	81 63
S. P. Larsen & Son, repairing roof . . . . .	19 58
C. F. Mills, carpentering . . . . .	197 60
F. W. Merrill, electrical work . . . . .	14 60
J. E. L. McLean, carpentering . . . . .	288 27
George W. Manning, work on flag staff, McKenney & Waterbury Co., electrical supplies . . . . .	100 75
A. M. Morton & Co., piping . . . . .	16 00
Martin & Wood, fan . . . . .	3 56
Martin & Wood, fan . . . . .	14 00
James W. O'Neil, plumbing . . . . .	3 65
W. E. Plumer & Co., hardware . . . . .	5 62
A. W. Phillips, mason work . . . . .	9 75
Pittsburg Plate Glass Co., glass . . . . .	13 21
Pierce, Butler & Pierce Mfg. Co., heaters . . . . .	30 65
A. M. Pillsbury, carpentering . . . . .	45 75
George L. Robinson, glazing . . . . .	28 78
John B. Rufer, wagon repairing . . . . .	18 15
E. S. Sparrow & Co., hardware . . . . .	20 84
W. A. Snow Iron Works, pipe . . . . .	15 75
Amount carried forward . . . . .	\$3,088 67

Amount brought forward . . . . .	\$3,088 67	
Somerville Coal Co., coal . . . . .	293 70	
Underhill Hardware Co., hardware . . . . .	3 69	
William J. Wiley, ash barrels . . . . .	11 00	
Wellington-Wild Coal Co., coal . . . . .	1,789 16	
John M. Woods & Co., lumber . . . . .	95 08	
I. B. Walker, repairing flag poles . . . . .	11 25	
L. A. Wright, repairing wagon . . . . .	2 40	
		<u>\$5,294 95</u>

**Fire Station, Winter Hill.**

CREDIT.

Building Public Buildings account, amount transferred . . . . .	\$2,500 00
Fire Department, Additional Equipment account, amount transferred . . . . .	2,500 00
	<u>\$5,000 00</u>
Balance to credit of account, 1912 . . . . .	<u>5,000 00</u>

**Militia.**

CREDIT.

Appropriations, from Taxes, 1911 . . . . .	\$500 00
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DEBIT.

(Expenditures.)

Cash, paid Company K, Eighth Regiment, rifle range expenses . . . . .	\$250 00
Company M, Eighth Regiment, rifle range expenses . . . . .	250 00
	<u>\$500 00</u>

**Sealing Weights and Measures.**

CREDIT.

Appropriations, from Taxes, 1911 . . . . .	\$1,900 00
Excess and Deficiency account, balance transferred . . . . .	139 24
	<u>\$1,760 76</u>

Receipts:—

Cash, received of John H. Dusseault, fees for weighing . . . . .	516 28
	<u>\$2,277 04</u>

DEBIT.

(Expenditures.)

Cash, paid John H. Dusseault, salary as sealer of weights and measures . . . . .	\$1,100 00
disbursements . . . . .	280 05
Benjamin S. Abbott, assistant sealer of weights and measures . . . . .	300 00
Brown's Express, expressing . . . . .	50
Dennison Mfg. Co., tags . . . . .	4 09
The Fairbanks Co., platform scales . . . . .	34 80
William H. Gleason, stickers . . . . .	5 50
W. A. Greenough & Co., directory . . . . .	4 00
	<u>\$2,228 94</u>
Amount carried forward . . . . .	\$2,228 94

Amount brought forward . . . . .	\$2,228 94	
Hobbs & Warren Co., book and ink . . . . .	1 75	
Wesley A. Maynard, advertising . . . . .	4 00	
New England Telephone & Telegraph Co., service . . . . .	27 45	
Somerville Journal Co., advertising . . . . .	7 00	
R. Woodman Mfg. & Supply Co., steel stamps . . . . .	7 90	
		<u>\$2,277 04</u>

**Electrical Department.**

## CREDIT.

Appropriations, from Taxes, 1911 . . . . .	\$8,500 00
Excess and Deficiency account, balance transferred . . . . .	3 44
	<u>\$8,503 44</u>

## Receipts:—

Cash, received of Edison Electric Illuminat- ing Co., grounding wires . . . . .	\$250 00	
William T. Crotty, cutting wires . . . . .	21 00	
		<u>271 00</u>
		<u>\$8,774 44</u>

## DEBIT.

## (Expenditures.)

Cash, paid Walter I. Fuller, salary as com- missioner of electric lines and lights . . . . .	\$1,500 00
disbursements . . . . .	21 23
Laborers . . . . .	4,270 90
American Dye Wood Co., vitriol . . . . .	72 12
American Express Co., expressing . . . . .	70
American Steel & Wire Co., wire . . . . .	33 86
F. W. Barry, Beale & Co., stationery . . . . .	7 80
Beatty Zinc Works Co., zincs . . . . .	42 50
Barbour, Stockwell Co., castings . . . . .	1 72
Boston & Maine Railroad, freight . . . . .	11 15
E. M. F. Boston Co., cylinder, etc. . . . .	23 05
Clifton Mfg. Co., tape . . . . .	10 50
Commercial Brewing Co., use of whistle . . . . .	60 00
S. H. Couch Co., electrical supplies . . . . .	64 13
Chandler & Farquhar Co., files . . . . .	34 05
Cochrane Chemical Co., vitriol . . . . .	11 82
Davenport-Brown Co., wood work . . . . .	26 40
S. B. Dow, use of auto . . . . .	25 00
Julian D'Este Co., composition . . . . .	3 65
Electric Goods Mfg. Co., wire . . . . .	62
Gilman Express Co., expressing . . . . .	5 65
Gamewell Fire Alarm Telegraph Co., elements . . . . .	1,677 82
Globe Optical Co., thermometer . . . . .	80
George E. Gilchrist Co., pipe . . . . .	7 93
Thomas W. Gleason, wheels . . . . .	1 00
Hill-Michie Co., gasoline . . . . .	35 50
Heaney Mfg. Co., sponge, etc. . . . .	7 30
Jim Hodder, sheets, etc. . . . .	5 88
Amount carried forward . . . . .	<u>\$7,963 08</u>

Amount brought forward . . . . .	\$7,963 08	
Stuart-Howland Co., telegraph key . . . . .	2 00	
Highland Coal Co., cement . . . . .	1 12	
Jenney Mfg. Co., oil . . . . .	9 90	
George W. Ladd, jobbing . . . . .	35	
T. E. Littlefield, lumber . . . . .	1 04	
G. B. Lawrence Co., slate . . . . .	6 25	
Wesley A. Maynard, printing . . . . .	9 00	
Mitchell, Wing & Co., soda . . . . .	1 00	
New England Telephone & Telegraph Co., service . . . . .	72 43	
New York Insulated Wire Co., wire . . . . .	7 05	
Pettingell, Andrews Co., electrical sup- plies . . . . .	9 35	
Pattinson Mfg. Co., repairing . . . . .	5 00	
Phillips Co., re-finishing . . . . .	3 25	
W. E. Plumer & Co., hardware . . . . .	58 04	
Charles E. Perry & Co., electrical sup- plies . . . . .	58 73	
A. G. Renner, expressing . . . . .	5 30	
John B. Rufer, repairing . . . . .	45 15	
Russell & Co., soap . . . . .	1 80	
Standard Plate Glass Co., glass . . . . .	2 48	
James J. Shannon & Co., typewriter . . . . .	35 00	
Thorpe's Express, expressing . . . . .	4 05	
U. S. Rubber Tire Co., repairing tires . . . . .	11 00	
Underhill Hardware Co., gasoline . . . . .	5 10	
Western Electric Co., supplies . . . . .	94 44	
Weatherbee Brothers, shoes for auto- mobile . . . . .	68 40	
William J. Wiley, pans for automobile . . . . .	4 35	
W. E. Plumer & Co., battery, etc. . . . .	6 03	
	<hr/>	
	\$8,490 69	
Fire Department account, motor . . . . .	45 00	
board of horse . . . . .	150 19	
Police Department account, board of horse . . . . .	88 56	
	<hr/>	
	<u>\$8,774 44</u>	

**Electrical Department, Underground Construction.**

CREDIT.

Balance from 1910 . . . . .	\$269 37
Lowell Street Bridges account, amount transferred . . . . .	4,000 00
	<hr/>
	\$4,269 37
Balance to credit of account, 1912 . . . . .	1,077 37
	<hr/>
	\$3,192 00

DEBIT.

(Expenditures.)

Cash, paid laborers . . . . .	\$761 40
American Steel & Wire Co., wire . . . . .	2,244 18
Wesley A. Maynard, advertising . . . . .	3 50
New York Insulated Wire Co., cable . . . . .	37 43
James Sugden, drawing in cable . . . . .	145 49
	<hr/>
	<u>\$3,192 00</u>



**FORESTRY.****Gypsy and Brown Tail Moth Extermination.**

## CREDIT.

Appropriations, from Taxes, 1911 . . . . .	\$1,500 00
Taxes, assessments levied . . . . .	1,166 71
Highway Maintenance account, amount transferred . . . . .	586 72
	<hr/>
	\$3,253 43

## DEBIT.

## (Expenditures.)

Cash, paid laborers . . . . .	\$2,913 14
Barrett Mfg. Co., creosote . . . . .	8 84
Frost Insecticide Co., arsenate of lead . . . . .	60 00
Fellows & Co., repairing ladder . . . . .	13 95
Thomas Groom & Co., assessment book, . . . . .	10 75
Wesley A. Maynard, printing . . . . .	17 25
Loena A. Snowman, clerical work . . . . .	40 00
Somerville Journal Co., printing . . . . .	35 00
Underhill Hardware Co., hardware . . . . .	17 30
	<hr/>
	\$3,116 23
Highways Maintenance account, use of city teams . . . . .	137 20
	<hr/>
	\$3,253 43

**Elm Leaf Beetle Extermination.**

## CREDIT.

Appropriations, from Taxes, 1911 . . . . .	\$800 00
Excess and Deficiency account, balance transferred . . . . .	86 02
	<hr/>
	\$713 98

## DEBIT.

## (Expenditures.)

Cash, paid laborers . . . . .	\$247 33
Frost Insecticide Co., arsenate of lead . . . . .	276 00
Fitzhenry, Guphill Co., handle for nozzle, . . . . .	6 00
Wesley A. Maynard, printing . . . . .	13 75
Merrimac Chemical Co., arsenate of lead, . . . . .	70 00
E. S. Sparrow & Co., tacks . . . . .	48
Somerville Automobile Co., oil, etc. . . . .	3 00
Underhill Hardware Co., hardware . . . . .	1 90
Valvoline Oil Co., cylinder oil . . . . .	9 75
	<hr/>
	\$628 21
Water Maintenance account, gasoline . . . . .	4 50
Highways Maintenance account, use of city teams and materials . . . . .	81 27
	<hr/>
	\$713 93

**Care of Trees.**

## CREDIT.

Highways Maintenance account, amounts transferred:—	\$500 00
	58 17
	3,000 00
	<hr/>
	\$3,558 17

DEBIT.

(Expenditures.)

Cash, paid laborers . . . . .	\$2,585 36	
F. C. Ayer, lumber . . . . .	26 27	
Fellows & Co., poles and repairing ladder . . . . .	3 20	
Frost Insecticide Co., arsenate of lead . . . . .	60 00	
Glines Express Co., expressing . . . . .	1 50	
Underhill Hardware Co., hardware . . . . .	83 68	
Valvoline Oil Co., oil . . . . .	3 25	
Whitney & Snow, glass and putty . . . . .	1 00	
	<hr/>	
	\$2,764 26	
Highways Maintenance account, use of city teams . . . . .	793 91	
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		<u>\$3,558 17</u>

**Care of Trees, Additional Equipment.**

CREDIT.

Highways Construction account, amount transferred . . . . .	\$1,300 00	
Less balance returned . . . . .	11 00	
	<hr/>	
		\$1,289 00

DEBIT.

(Expenditures.)

Cash, paid Fitzhenry, Guptill Co., spraying equipment . . . . .	\$1,289 00	
	<hr/>	
		<u>\$1,289 00</u>

**HEALTH AND SANITATION.**

**HEALTH.**

**Health Department.**

CREDIT.

Appropriations, from Taxes, 1911 . . . . .	\$6,400 00	
Interest account, amount transferred . . . . .	800 00	
Excess and Deficiency account, amount transferred . . . . .	\$2,000 00	
balance . . . . .	178 57	
	<hr/>	
		2,178 57
		<hr/>
		\$9,378 57
Commonwealth of Massachusetts, care of patients . . . . .		82 00
Stock and labor billed other departments:—		
Refuse and Garbage Disposal account, burying animals . . . . .	\$18 50	
Inspection of Animals and Provisions ac- count, reimbursement . . . . .	3 00	
	<hr/>	
		21 50
Receipts:—		
Cash, received of George H. Galpin, clerk:—		
permits . . . . .	\$115 00	
peddlers' licenses . . . . .	24 00	
masseurs' licenses . . . . .	2 00	
	<hr/>	
	\$141 00	
	<hr/>	
Amounts carried forward . . . . .	\$141 00	\$9,482 07

Amounts brought forward . . . . .	\$141 00	\$9,482 07
City of Boston, care . . . . .	36 04	
City of Lowell, care . . . . .	4 00	
City of Taunton, care . . . . .	4 35	
North Reading State Sanitarium, money refunded . . . . .	20 57	
Rutland State Sanitarium, care . . . . .	10 00	
Lakeville State Sanitarium, care . . . . .	26 29	
Jenney Mfg. Co., barrels returned . . . . .	5 45	
		247 70
		<u>\$9,729 77</u>

## DEBIT.

## (Expenditures.)

Cash, paid Caleb A. Page, salary as agent . . . . .	\$1,500 00
Sundry persons, burying dead animals . . . . .	13 50
Frank L. Morse, M. D., salary as medical inspector . . . . .	1,500 00
visits to dangerous cases . . . . .	200 50
George H. Galpin, salary as clerk . . . . .	726 03
American Express Co., expressing . . . . .	8 60
Adams Pharmacy, delivering cultures . . . . .	70
A. R. Andrews, noiseless automatics for typewriter . . . . .	2 00
D. J. Bennett, repairing harness . . . . .	15 80
Charles M. Berry, reimbursement . . . . .	3 00
Walter S. Barnes, boxes . . . . .	8 75
Cambridge Ice Co., ice . . . . .	19 20
Claude Curtis, delivering cultures . . . . .	1 80
Cotter's Express, expressing . . . . .	15
Jackson Caldwell & Co., furniture . . . . .	16 38
City of Boston, care of patients . . . . .	745 71
City of Cambridge, care of patients . . . . .	914 20
Commonwealth of Massachusetts, care of patients . . . . .	212 80
De Pree Chemical Co., fumigators . . . . .	172 80
Edward Edwards, medicine and deliver- ing cultures . . . . .	15 90
P. S. Eaton, delivering cultures . . . . .	1 30
John S. Frost, provisions . . . . .	88
W. S. Furbush, delivering cultures . . . . .	20
Charles F. Giles, provisions . . . . .	108 00
Glines & Co., expressing . . . . .	2 00
Thomas Groom & Co., books and sta- tionery . . . . .	61 75
W. A. Greenough & Co., directory . . . . .	4 00
Gilman Express Co., expressing . . . . .	55
F. W. Gay, delivering cultures . . . . .	1 00
C. H. Goldthwaite, hospital supplies . . . . .	7 83
Hobbs & Warren Co., blanks . . . . .	1 11
Percy A. Hall, delivering cultures . . . . .	6 60
E. J. Hervey Co., groceries . . . . .	23 57
Sarah M. Hulbert, nurse in smallpox case . . . . .	95 00
Lakeville State Sanitarium, care of patients . . . . .	328 55
Library Bureau, index cards . . . . .	10 38
Amount carried forward . . . . .	<u>\$6,735 54</u>

Amount brought forward . . . . .	\$6,735 54	
Mass. State Sanitarium, care of patients, . . . . .	338 84	
Wesley A. Maynard, advertising . . . . .	7 40	
City of Medford Police Department, service of officer at pest house . . . . .	17 50	
James H. Maguire Co., groceries . . . . .	30 65	
New England Telephone & Telegraph Co., service . . . . .	108 52	
North Reading State Sanitarium, care of patients . . . . .	912 56	
Henry W. Perry, delivering cultures, and laboratory supplies . . . . .	11 10	
A. P. Rockwood, board of horse . . . . .	393 25	
Ira L. Roberts, shoeing . . . . .	21 75	
Rutland State Sanitarium, care of patients . . . . .	181 53	
Richardson Pharmacy, delivering cultures . . . . .	20	
Charlotte Seeley, nurse in smallpox case . . . . .	65 00	
Somerville Reporter, printing . . . . .	5 50	
Somerville Post-office, postage and box rent . . . . .	19 62	
Somerville Journal Co., printing . . . . .	99 44	
R. F. Stephenson, care of patients . . . . .	104 00	
R. M. Sturtevant, care of patients . . . . .	115 25	
Smith-Premier Typewriter Co., machine and supplies . . . . .	108 05	
Somerville Hospital, care of patients . . . . .	24 29	
R. C. Small, rubber tire . . . . .	11 75	
Thorpe's Express, expressing . . . . .	55	
Harry Tobin, horseshoeing . . . . .	6 25	
George W. Wood, provisions . . . . .	72 00	
Westfield State Sanitarium, board . . . . .	240 57	
I. B. Walker, repairs on team . . . . .	95	
Samuel Ward Co., supplies . . . . .	31 87	
John Wood, painting buggy . . . . .	12 00	
F. S. Webster Co., pencil sharpener, etc., . . . . .	4 00	
Yawman & Erbe Mfg. Co., supplies . . . . .	49 84	
		<u>\$9,729 77</u>

**Inspection of Animals and Provisions.**

CREDIT.

Appropriations, from Taxes, 1911 . . . . .	\$1,225 00	
Excess and Deficiency account, balance transferred . . . . .	9 03	
		<u>\$1,234 03</u>

DEBIT.

(Expenditures.)

Cash, paid Charles M. Berry, salary as inspector of animals and provisions . . . . .	\$1,200 00	
Jackson Caldwell & Co., teaming . . . . .	5 00	
New England Telephone & Telegraph Co., service . . . . .	24 88	
Whitney & Snow, hardware . . . . .	1 15	
		<u>\$1,231 03</u>
Health Department account, reimbursement . . . . .	3 00	
		<u>\$1,234 03</u>



**Inspection of Milk and Vinegar.**

## CREDIT.

Appropriations, from Taxes, 1911 . . . . .	\$1,000 00
Excess and Deficiency account, balance transferred . . . . .	63 51

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\$936 49

## Receipts:—

Cash, received of Herbert E. Bowman:—

licenses . . . . .	\$287 50
analyses . . . . .	83 50
Sundry persons, analytical work . . . . .	180 50

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551 50

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\$1,487 99

## DEBIT.

## (Expenditures.)

Cash, paid Herbert E. Bowman, salary as inspector of milk and vinegar . . . . .	\$1,200 00
disbursements . . . . .	135 68
American Express Co., expressing . . . . .	30
J. T. Baker Chemical Co., chemicals . . . . .	5 94
Cotter's Express, expressing . . . . .	54
Cochrane Chemical Co., vitriol . . . . .	2 75
Dennison Mfg. Co., labels . . . . .	10
J. R. Fallon, milk agar . . . . .	11 50
Thomas Groom & Co., labels . . . . .	15
Gilman Express Co., expressing . . . . .	1 25
Peter Gray & Sons, sterilizer . . . . .	4 75
International Instrument Co., pipette . . . . .	3 35
Wesley A. Maynard, printing . . . . .	11 75
Henry W. Perry, supplies . . . . .	5 77
Somerville Journal Co., advertising . . . . .	59 70
Somerville Post-office, postage . . . . .	6 92
Underhill Hardware Co., lantern . . . . .	1 25
Whitall, Tatum Co., supplies . . . . .	8 68
Yawman & Erbe Mfg. Co., cabinet . . . . .	10 31

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\$1,470 69

Water Maintenance account, gasoline . . . . .	17 30
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\$1,487 99

**Inspection of School Children.**

## CREDIT.

Appropriations, from Taxes, 1911 . . . . .	\$1,550 00
Excess and Deficiency account, balance transferred . . . . .	42 00

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\$1,508 00

## DEBIT.

## (Expenditures.)

Cash, paid W. L. Bond, medical inspection, . . . . .	\$200 00
Herbert Cholerton, medical inspection . . . . .	200 00
Edw. J. Dailey, medical inspection . . . . .	200 00
Robert F. Gibson, medical inspection . . . . .	200 00

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Amount carried forward . . . . . \$800 00

Amount brought forward . . . . .	\$800 00	
Loring H. Raymond, medical inspection . . . . .	200 00	
Francis Shaw, medical inspection . . . . .	200 00	
H. M. Stoodley, medical inspection . . . . .	200 00	
M. W. White, medical inspection . . . . .	100 00	
Somerville Journal Co., printing . . . . .	8 00	
	<hr/>	<u>\$1,508 00</u>

**City Clerk's Department, Vital Statistics.**

CREDIT.

Appropriations, from Taxes, 1911 . . . . .	\$2,500 00	
Public Buildings Department, Maintenance Central Library account, amount transferred . . . . .	200 00	
	<hr/>	\$2,300 00
Excess and Deficiency account, balance transferred . . . . .	102 60	
	<hr/>	<u>\$2,197 40</u>

DEBIT.

(Expenditures.)

Cash, paid Allen, Doane & Co., badges . . . . .	\$3 90	
Robert Burlen, binding . . . . .	1 40	
George I. Canfield, canvassing births . . . . .	48 60	
Clara Z. Elliot, canvassing births . . . . .	11 70	
Annie M. Gilcrease, canvassing births . . . . .	72 00	
Wesley A. Maynard, advertising . . . . .	13 25	
Sundry persons, returning births . . . . .	384 75	
Sundry persons, returning deaths . . . . .	198 50	
Somerville Journal Co., printing and advertising . . . . .	20 00	
Richard H. Tincker, canvassing births . . . . .	83 30	
	<hr/>	\$837 40
City Clerk's Department account, clerical work . . . . .	1,360 00	
	<hr/>	<u>\$2,197 40</u>

**Contagious Disease Hospital.**

CREDIT.

Appropriations, from Taxes, 1911 . . . . .	\$1,000 00	
Excess and Deficiency account, amount transferred . . . . .	3,000 00	
Interest account, amounts transferred:—		
	\$1,500 00	
	500 00	
	<hr/>	2,000 00
Overlay and Abatement account, amount transferred . . . . .	850 00	
	<hr/>	\$6,850 00
Excess and Deficiency account, balance transferred . . . . .	343 25	
	<hr/>	\$6,506 75
Receipts:—		
Commonwealth of Massachusetts, care of patients . . . . .	1,108 57	
	<hr/>	\$7,615 32
Amount carried forward . . . . .		\$7,615 32

Amount brought forward . . . . .		\$7,615 32
Cash, received for care of patients:—		
City of Boston . . . . .	\$490 01	
City of Cambridge . . . . .	171 43	
City of Chelsea . . . . .	4 29	
City of Malden . . . . .	36 42	
City of Medford . . . . .	320 98	
City of Northampton . . . . .	27 86	
City of Salem . . . . .	77 14	
Town of Arlington . . . . .	186 42	
Town of Petersham . . . . .	45 00	
Town of Revere . . . . .	77 86	
Town of Saugus . . . . .	51 42	
Town of Watertown . . . . .	74 99	
Sundry persons . . . . .	1,079 13	
		<hr/>
		2,642 95
		<hr/>
		\$10,258 27

## DEBIT.

## (Expenditures.)

Cash, paid Edith M. Grant, matron, incidental expenses . . . . .	\$250 00
Nurses and assistants . . . . .	4,898 59
Robert Burlen, binding . . . . .	3 00
Calumet Tea & Coffee Co., supplies . . . . .	16 80
Cambridge Ice Co., ice . . . . .	138 27
C. F. Crocker, provisions . . . . .	12 75
Dr. H. F. Curtis, services . . . . .	5 00
S. H. Couch Co., repairs to telephone . . . . .	2 35
Cutter & Wood Supply Co., lacquer . . . . .	1 74
Dennison Mfg. Co., napkins . . . . .	42 00
Farley, Harvey & Co., cloth . . . . .	94 47
Willis S. Furbush, supplies . . . . .	100 38
Fleischmann Yeast Co., yeast . . . . .	5 10
Furbush & Co., supplies . . . . .	71 01
J. Frank Gear, supplies . . . . .	5 44
C. H. Goldthwaite, tube and jar . . . . .	1 40
W. A. Greenough & Co., directory . . . . .	4 50
G. F. Gurney & Co., cloth . . . . .	8 65
H. P. Hood & Sons, milk . . . . .	287 35
F. J. Hopkins, fish . . . . .	97 60
Martin L. Hall Co., coffee and tea . . . . .	84 95
Hobbs & Warren Co., blanks . . . . .	1 11
F. A. Hyde & Co., safe . . . . .	40 00
J. W. Howard, plants . . . . .	9 95
I. N. Holman, repairing mower . . . . .	1 50
Hydro Palm Soap Co., soap powder . . . . .	2 10
George T. Johnson Co., toilet paper . . . . .	11 00
Jordan Marsh Co., sundries . . . . .	183 82
Jones, McDuffee & Stratton, dishes . . . . .	31 74
Library Bureau, index cards . . . . .	10 70
Lewis Mfg. Co., sheeting . . . . .	20 63
W. J. McGraw Stamp Co., stencils . . . . .	13 75
Mitchell, Wing & Co., soap . . . . .	13 13
Miley Soap Co., soap . . . . .	16 25
New England Telephone & Telegraph Co., service . . . . .	71 69
	<hr/>
Amount carried forward . . . . .	\$6,558 72

Amount brought forward . . . . .	\$6,558 72
Dr. E. W. Nagle, vaccine . . . . .	5 00
George A. Odiorne Coat Co., gowns . . . . .	10 50
National Biscuit Co., biscuits . . . . .	28 33
Dr. E. R. Newton, services . . . . .	50 00
S. S. Pierce Co., brandy . . . . .	9 40
Richardson, Wright & Co., cabinet, etc., . . . . .	340 70
P. L. Rider, covers . . . . .	2 08
E. S. Sparrow & Co., hardware . . . . .	22 73
C. L. Stevens, provisions . . . . .	2,023 23
F. L. Sawtell, paper . . . . .	8 22
A. N. Swallow & Co., groceries . . . . .	392 81
Somerville Brush Co., brushes . . . . .	22 70
Somerville Journal Co., envelopes . . . . .	17 50
Sampson-Soch Co., tube fitted . . . . .	8 08
F. W. Smith & Co., repairing freezer . . . . .	75
Stone & Forsyth, napkins and cups . . . . .	8 60
L. H. Steele, papers . . . . .	2 08
A. S. Tyler, milk . . . . .	287 90
Samuel Ward Co., stationery . . . . .	14 12
Washburn, Crosby Co., flour . . . . .	100 55
Whitall, Tatum Co., bottles . . . . .	12 99
C. E. J. Wilson, repairing clocks . . . . .	3 00
H. G. White Co., desk fan . . . . .	15 50

\$9,945 49

Support of Poor, City Home account, produce . . . . .	312 78
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\$10,258 27

**Public Buildings Department, Maintenance Contagious Disease Hospital.**

CREDIT.

Appropriations, from Taxes, 1911 . . . . .	\$2,400 00
Interest account, amount transferred . . . . .	300 00

\$2,700 00

Excess and Deficiency account, balance transferred . . . . .	87
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\$2,699 13

DEBIT.

(Expenditures.)

Cash, paid janitors' salaries . . . . .	\$550 00
Bay State Belting Co., belt . . . . .	4 84
H. W. Bursaw, oil . . . . .	96
S. H. Couch Co., installing telephone sets . . . . .	107 24
D. A. Carr, plumbing . . . . .	11 20
Cambridge Gas Light Co., gas . . . . .	46 92
Durand Steel Locker Co., lockers . . . . .	112 80
Davenport-Brown Co., pine blocks . . . . .	64
J. H. Edwards, rods . . . . .	1 00
Edison Electric Illuminating Co., light- ing . . . . .	611 02
Thomas Dowd, plastering . . . . .	12 00

\$1,458 62



Amount brought forward . . . . .	\$1,458 62	
Galassi Mosaic & Tile Co., terrazzo flooring . . . . .	99 00	
Eugene Girroir, labor . . . . .	9 00	
Glines & Co., expressing . . . . .	1 40	
The Grant Nail & Supply Co., pulley . . . . .	1 01	
J. W. Howard, shrubs and planting . . . . .	30 00	
Martin & Wood, keys . . . . .	1 05	
A. M. Morton & Co., piping . . . . .	3 28	
Pittsburg Plate Glass Co., glass . . . . .	1 05	
Pierce, Butler & Pierce Mfg. Co., boiler . . . . .	35 25	
A. M. Pride, labor . . . . .	457 13	
George L. Robinson, glazing . . . . .	2 02	
E. S. Sparrow & Co., hardware . . . . .	4 41	
F. W. Smith & Co., repairing lawn sprinkler . . . . .	50	
W. A. Thompson & Co., hose, etc. . . . .	12 35	
Charles L. Underhill, hardware . . . . .	3 75	
William J. Wiley, hardware . . . . .	36 29	
Wellington-Wild Coal Co., coal . . . . .	536 35	
H. G. White Co., electrical work . . . . .	6 62	
		\$2,699 13

**Tuberculosis Hospital Construction.**

CREDIT.

Balance from 1910 . . . . .	\$4,854 65
Building Public Buildings account, balance returned . . . . .	4 07
	\$4,850 58

DEBIT.

(Expenditures.)

Cash, paid D. A. Carr, plumbing . . . . .	\$915 00
J. J. Hurley & Co., construction . . . . .	670 00
B. L. Makepeace, blue prints . . . . .	2 18
McKenney & Waterbury Co., fixtures . . . . .	62 00
Pittsburg Plate Glass Co., glass . . . . .	1 50
A. M. Pride, construction . . . . .	2,000 00
Richardson, Wright & Co., steel furniture . . . . .	905 90
E. S. Sparrow & Co., hardware . . . . .	280 00
W. A. Thompson & Co., burner for gas range . . . . .	14 00
	\$4,850 58

**Tuberculosis Hospital.**

CREDIT.

Appropriations, from Taxes, 1911 . . . . .	\$1,000 00
Excess and Deficiency account, amount transferred . . . . .	611 63
Interest account, amount transferred . . . . .	200 00
	\$1,811 63
Excess and Deficiency account, balance transferred . . . . .	215 08
	\$1,596 55

Amount brought forward . . . . .		\$1,596 55
Receipts:—		
Commonwealth of Massachusetts, care of patients . . . . .		284 00
Cash, received of City of Boston . . . . .	\$124 30	
City of Cambridge . . . . .	35 72	
City of Everett . . . . .	44 29	
City of Malden . . . . .	71 43	
City of Taunton . . . . .	40 01	
Sundry persons . . . . .	457 46	
		<u>773 21</u>
		<u>\$2,653 76</u>

DEBIT.  
(Expenditures.)

Cash, paid nurses and assistants . . . . .	\$1,828 42	
Callender, McA. & T. Co., quilts, etc. . . . .	333 55	
C. H. Goldthwaite & Co., stethoscope . . . . .	3 50	
Jones, McDuffee & Stratton, dishes . . . . .	86 67	
Jordan Marsh Co., kitchen goods . . . . .	40 32	
Library Bureau, binders . . . . .	2 75	
Pneumatic Hand Stamp Co., stamp . . . . .	23	
P. L. Rider, rubber goods . . . . .	132 23	
Shepard, Norwell & Co., gowns, etc. . . . .	135 53	
Sampson-Soch Co., aspirator . . . . .	6 75	
Somerville Journal Co., printing . . . . .	43 65	
Wilson, Larrabee & Co., sundries . . . . .	40 16	
		<u>\$2,653 76</u>

**Public Buildings Department, Maintenance Tuberculosis Hospital.**

CREDIT.

Reduction of Funded Debt account, amount transferred . . . . .	\$1,000 00
Appropriations, from Taxes, 1911 . . . . .	1,200 00
	<u>\$2,200 00</u>
Excess and Deficiency account, balance transferred . . . . .	18 32
	<u>\$2,181 68</u>

DEBIT.  
(Expenditures.)

Cash, paid janitors' salaries . . . . .	\$296 00
J. A. Bremner & Co., frame and glass . . . . .	50
Bartholomew Burke, labor . . . . .	31 50
H. W. Bursaw, oil . . . . .	40
Jackson Caldwell & Co., lockers . . . . .	6 00
Cambridge Gas Light Co., gas . . . . .	42 50
D. A. Carr, plumbing . . . . .	218 00
Davenport-Brown Co., wedges . . . . .	50
Edison Electric Illuminating Co., lighting . . . . .	102 10
C. H. Goldthwaite & Co., scales . . . . .	14 50
Galassi Mosaic & Tile Co., terrazzo floors . . . . .	65 00
J. J. Hurley & Co., installing water heater . . . . .	281 87
	<u>\$1,058 87</u>
Amount carried forward . . . . .	\$1,058 87

Amount brought forward . . . . .	\$1,058 87
H. W. Johns-Manville Co., asbestocel covering . . . . .	99 00
L. E. Knott Apparatus Co., drinking fountains . . . . .	21 60
William Leavens & Co., furniture . . . . .	127 20
T. E. Littlefield, lumber . . . . .	3 60
McKenney & Waterbury Co., installing sockets . . . . .	6 43
J. Otis McFadden Co., shades . . . . .	40 60
Morandi-Proctor Co., heating apparatus . . . . .	67 50
C. W. H. Moulton Co., chairs . . . . .	39 00
P. W. Merrill Co., screening . . . . .	389 85
George L. Robinson, glazing . . . . .	3 03
E. S. Sparrow & Co., hardware . . . . .	2 40
Turner Asbestos Co., pipe covering . . . . .	7 50
Wellington-Wild Coal Co., fuel . . . . .	173 33
William J. Wiley, hardware . . . . .	61 70
H. G. White Co., electrical work . . . . .	80 07
	<hr/>
	<u>\$2,181 68</u>

**SANITATION.**

**Sewers Construction.**

CREDIT.

Balance from 1910 . . . . .	\$5,281 94
Appropriations, from Funded Debt, 1911 . . . . .	20,000 00
Sewer Assessments account, assessments levied . . . . .	3,451 14
	<hr/>
	\$28,733 08

Reduced by the following transfers:—

Building Public Buildings account . . . . .	\$1,816 45
Paved Gutters and Crossings account . . . . .	5,000 00
Recreation Field, Alewife Brook account . . . . .	5,000 00
	<hr/>
	11,816 45

\$16,916 63

Balance to credit of account, 1912 . . . . .	6,009 76
	<hr/>

\$10,906 87

Stock and labor billed other departments:—

Sidewalks Construction account, edgestones . . . . .	27 43
	<hr/>

\$10,934 30

DEBIT.

(Expenditures.)

Cash, paid laborers . . . . .	\$2,318 27
Bartholomew Burke, constructing sewers:—	
Lowell circle . . . . .	81 12
Veazie street . . . . .	89 33
North street . . . . .	831 33
Mt. Vernon avenue and terrace . . . . .	199 38
Summer street . . . . .	214 88
Snow place . . . . .	175 42
Bailey street . . . . .	470 12
	<hr/>

Amount carried forward . . . . .	\$4,379 85
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Amount brought forward . . . . .	\$4,379 85	
West Quincy street . . . . .	655 34	
Timothy F. Crimmings, constructing sewers:—		
West Adams street . . . . .	635 96	
Waldo avenue . . . . .	170 75	
John D. Collins, constructing sewers:—		
Harold street . . . . .	174 65	
F. C. Ayer, spruce . . . . .	5 04	
Alpha Portland Cement Co., cement . . . . .	1,421 40	
Edwin O. Childs, recording . . . . .	11 95	
Davenport-Brown Co., lumber . . . . .	86	
Thomas Groom & Co., books . . . . .	11 00	
Highland Coal Co., cement . . . . .	415 34	
George W. Ladd, sharpening tools . . . . .	3 65	
New England Brick Co., bricks . . . . .	282 96	
Penn. Metal Ceiling & Roof Co., iron, etc. . . . .	39 62	
Sessions Foundry Co., castings . . . . .	656 39	
James Tevlin, teaming . . . . .	711 40	
Frederick B. Witherly, castings . . . . .	214 98	
Waldo Brothers, pipe and cement . . . . .	919 89	
	<hr/>	
	\$10,711 03	
Highways Maintenance account, dynamite . . . . .	14 87	
Engineering Department, Parks Maintenance account, labor and teaming . . . . .	100 00	
Sewers Maintenance account, labor and teaming . . . . .	96 63	
Water Maintenance account, drain pipe . . . . .	11 72	
	<hr/>	
		\$10,934 30

**Sewers Maintenance.**

CREDIT.

Water Works Income account, amount appropriated . . . . .		\$13,000 00
Excess and Deficiency account, balance transferred . . . . .		45
		<hr/>
		\$12,999 55
Stock and labor billed other departments:—		
Water Maintenance account, gates . . . . .	\$132 28	
Highways Maintenance account, stone . . . . .	71 76	
Sewers Construction account, labor and teaming . . . . .	96 68	
Engineering Department account, labor, etc. . . . .	28 00	
	<hr/>	
		328 72
Receipts:—		
Cash, received of Alpha Portland Cement Co., bags . . . . .	\$295 60	
Highland Coal Co., cement bags . . . . .	101 20	
Cambridge Gas Light Co., repairs . . . . .	18 57	
Joseph Talalaewsky, old iron . . . . .	13 40	
A. M. Silverman, hose . . . . .	10 47	
	<hr/>	
		439 24
		<hr/>
		\$13,767 51



## DEBIT.

## (Expenditures.)

Cash, paid laborers . . . . .	\$7,691 55	
American Express Co., expressing . . . . .	4 35	
Boston & Maine Railroad Corporation, freight . . . . .	13 04	
Boston Rubber Shoe Co., rubber boots . . . . .	58 56	
Harold L. Bond Co., tools . . . . .	12 00	
E. W. Bailey, oil and grease, etc. . . . .	10 00	
Charles E. Berry, repairing . . . . .	50	
Cornelius Callahan Co., repairing hose . . . . .	44 53	
J. Cohen, rubber boots . . . . .	50 00	
William Coogan, canvas . . . . .	6 00	
E. W. Danforth, disbursements . . . . .	38 25	
Edson Mfg. Co., pump, hose, etc. . . . .	56 88	
F. W. Farrar, repairing clock . . . . .	3 00	
Gulf Refining Co., oil . . . . .	13 00	
Thomas Groom & Co., books . . . . .	12 00	
William S. Howe, supplies . . . . .	13 50	
D. Kratman, oilskin pants and hats . . . . .	15 50	
George W. Ladd, sharpening drills, etc., . . . . .	40	
D. Mahoney, repairing . . . . .	11 90	
Martin & Wood, sharpening . . . . .	3 45	
John J. McCarty, damages . . . . .	50 00	
New England Telephone & Telegraph Co., service . . . . .	64 44	
New England Brick Co., bricks . . . . .	72 00	
M. Norton & Co., hose . . . . .	148 15	
A. Silverman, patches . . . . .	3 70	
James Tevlin, teaming . . . . .	5,097 04	
Underhill Co., repairing machine . . . . .	147 88	
Waldo Brothers, cement . . . . .	4 07	
I. B. Walker, repairing tools . . . . .	28 44	
Frederick B. Witherly, castings . . . . .	39 98	
Whitney & Snow, hardware . . . . .	33 64	
	<hr/>	
	\$13,747 75	
Fire Department account, hose, etc. . . . .	11 95	
Water Maintenance account, drain pipe . . . . .	7 81	
	<hr/>	
	\$13,767 51	
Metropolitan Sewer Maintenance assessment . . . . .	\$22,160 32	
(See Commonwealth of Massachusetts account)		

**Public Buildings Department, Maintenance Sewer Buildings.**

## CREDIT.

Appropriations, from Taxes, 1911 . . . . .	\$100 00
Excess and Deficiency account, balance transferred . . . . .	7 87
	<hr/>
	\$92 13

## DEBIT.

## (Expenditures.)

Cash, paid Davenport-Brown Co., wood . . . . .	\$ 90
Hemeon Brothers, carpentering . . . . .	11 17
J. Edward L. McLean, carpentering . . . . .	17 36
Charles F. Mills, carpentering . . . . .	34 20
Wellington-Wild Coal Co., coal . . . . .	28 50
	<hr/>
	\$92 13

**Refuse and Garbage Disposal.**

CREDIT.

Appropriations, from Taxes, 1911 . . . . .		\$50,000 00
Interest account, amounts transferred:—		
	\$12,000 00	
	6,000 00	
	<hr/>	18,000 00
Overlay and Abatement account, amount transferred . . . . .		1,725 00
		<hr/>
		\$69,725 00
Excess and Deficiency account, balance transferred . . . . .		636 08
		<hr/>
		\$69,088 92
Stock and labor billed other departments:—		
Support of Poor, City Home account, garbage . . . . .		344 90
Receipts:—		
Cash, received of sundry persons, garbage . . . . .	\$9,129 55	
Domenico Stefano, use of incinerator . . . . .	340 00	
Paul N. Raymond, paper . . . . .	225 00	
	<hr/>	9,694 55
		<hr/>
		\$79,128 37

DEBIT.

(Expenditures.)

Cash, paid Edgar T. Mayhew, salary as superintendent . . . . .	\$1,400 00
Laborers . . . . .	56,061 48
T. Allen, teaming . . . . .	302 50
D. J. Bennett, covers, etc. . . . .	763 37
Jerry Buttimer, teaming . . . . .	15 00
Boston Woven Hose & Rubber Co., hose . . . . .	19 70
Joseph Breck & Sons, truck . . . . .	6 00
E. F. Caldwell, teaming . . . . .	690 00
Daniel Collins, teaming . . . . .	90 00
J. Caldwell & Co., teaming . . . . .	65 00
J. H. Edwards, shoeing . . . . .	66 50
John Fisher & Co., offal pails . . . . .	34 50
James H. Fannon, teaming . . . . .	35 00
Thomas Groom & Co., stationery . . . . .	18 35
Glines & Co., expressing . . . . .	25
William Kirkland, teaming . . . . .	120 00
Henry P. Kinney, horseshoeing . . . . .	15 50
William T. Kilmartin, teaming . . . . .	1,626 80
George W. Ladd, shoeing . . . . .	179 25
Lord & Webster, hay . . . . .	1,600 67
George McDormand, shoeing . . . . .	326 63
New England Telephone & Telegraph Co., service . . . . .	37 86
Edward O'Brien, shoeing . . . . .	72 01
Fulton O'Brien, hay . . . . .	2,392 93
Caleb A. Page, burying animals . . . . .	79 75
Proctor Brothers Grain Co., hay and grain . . . . .	604 42
John B. Rufer, repairing . . . . .	73 00
Frank Richardson, shoeing . . . . .	52 50
	<hr/>
Amount carried forward . . . . .	\$66,748 97

Amount brought forward . . . . .	\$66,748 97	
Henry W. Perry, flaxseed meal . . . . .	2 50	
Phelps Brothers, hay . . . . .	1,061 22	
Charles R. Simpson, veterinary services, . . . . .	217 00	
Somerville Iron Foundry, wheels . . . . .	17 15	
Suburban Coal Co., teaming . . . . .	561 25	
Charles Savoy, teaming . . . . .	55 00	
Somerville Journal Co., printing . . . . .	27 00	
E. Teel & Co., pungs . . . . .	300 00	
J. H. Thompson, board of horse and . . . . .		
teaming . . . . .	2,394 61	
Nathan Tufts & Sons, oats . . . . .	828 00	
William J. Thompson & Co., hay . . . . .	265 19	
Charles L. Underhill, repairing . . . . .	1 80	
I. B. Walker, shoeing . . . . .	750 16	
Whitney & Snow, hardware . . . . .	134 34	
John Wilson, teaming . . . . .	862 50	
L. A. Wright, repairing . . . . .	128 95	
Welch & Hall Co., horses . . . . .	1,490 00	
John Wood, painting . . . . .	15 00	
	\$75,860 64	
Highways Maintenance account, teaming . . . . .	3,249 23	
Health Department account, burying dead . . . . .		
animals . . . . .	18 50	
		\$79,128 37

### Public Buildings Department, Maintenance Refuse and Garbage Buildings.

#### CREDIT.

Appropriations, from Taxes, 1911 . . . . .	\$750 00
Excess and Deficiency account, balance transferred . . . . .	11 88
	\$738 12
Cash, received of Mrs. Charles Williams, burning waste . . . . .	
paper . . . . .	1 00
	\$739 12

#### DEBIT.

#### (Expenditures.)

Cash, paid F. C. Ayer, lumber . . . . .	\$11 67
American Express Co., expressing . . . . .	1 50
C. W. Cahalan, plumbing . . . . .	36 12
Edison Electric Illuminating Co., light- . . . . .	
ing . . . . .	211 98
Glines & Co., expressing . . . . .	25
T. E. Littlefield, building material . . . . .	32 37
John Lingard, painting . . . . .	26 40
Charles F. Mills, carpentering . . . . .	121 60
F. W. Merrill, repairing lights . . . . .	1 68
J. Edward L. McLean, carpentering . . . . .	3 70
Pittsburg Plate Glass Co., glass . . . . .	61
Priest, Page & Co., proportional part of . . . . .	
platform . . . . .	50 00
John B. Rufer, bolts . . . . .	2 20
Amount carried forward . . . . .	\$500 08

Amount brought forward . . . . .	\$500 03	
George L. Robinson, painting . . . . .	1 92	
Sullivan Machinery Co., supplies . . . . .	16 50	
E. S. Sparrow & Co., hardware . . . . .	15 79	
Somerville Coal Co., fuel . . . . .	11 60	
Wellington-Wild Coal Co., fuel . . . . .	87 67	
John M. Woods & Co., lumber . . . . .	49 82	
Walsh Brothers, mason work . . . . .	12 71	
Whitten & Jackson, piping . . . . .	43 03	
		<u>\$739 12</u>

**Incinerator Building.**

CREDIT.

Building Public Buildings account, amount transferred . . . . .	\$1,800 00
Balance to credit of account, 1912 . . . . .	121 11
	<u>\$1,678 89</u>

DEBIT.

(Expenditures.)

Cash, paid J. Edward L. McLean, on account of contract . . . . .	\$300 00
Turner Asbestos Co., roofing . . . . .	128 25
Walsh Brothers, on account of contract, . . . . .	750 64
	<u>\$1,678 89</u>

**Highways, Street Cleaning.**

CREDIT.

Highways Maintenance account, amount transferred . . . . .	\$22,929 92
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DEBIT.

(Expenditures.)

Cash, paid laborers . . . . .	\$17,730 81
Teaming, hired teams . . . . .	1,646 17
American Broom Co., refilling brooms . . . . .	60 00
Edson Mfg. Co., tools . . . . .	33 35
Walter W. Field & Son, repairing sweeper . . . . .	12 74
Perrin, Seamans & Co., scoops . . . . .	16 00
E. S. Sparrow & Co., hardware . . . . .	33 75
	<u>\$19,532 82</u>
Highways Maintenance account, use of city teams . . . . .	3,397 10
	<u>\$22,929 92</u>

**HIGHWAYS.**

**Highways Construction.**

CREDIT.

Balance from 1910 . . . . .	\$1,817 69
Appropriations, from Funded Debt, 1911 . . . . .	50,000 00
Charged to Highway Betterment Assessments account, assessments levied . . . . .	2,870 23
	<u>\$54,687 92</u>
Amount carried forward . . . . .	\$54,687 92



Amount brought forward . . . . .		\$54,687 92
Reduced by the following transfers:—		
Care of Trees, Additional Equipment account . . . . .	\$1,300 00	
less balance returned . . . . .	11 00	
	<hr/>	
	\$1,289 00	
Paved Gutters and Crossings account . . . . .	66 11	
	<hr/>	1,355 11
		<hr/>
		\$53,332 81
Balance to credit of account, 1912 . . . . .		1,733 54
		<hr/>
		\$51,599 27
Stock and labor billed other departments:—		
Paved Gutters and Crossings account, paving blocks . . . . .	\$182 93	
Sidewalks Maintenance account, paving blocks . . . . .	70	
	<hr/>	183 63
Receipts:—		
Cash, received of Barrett Mfg. Co., money refunded . . . . .		87 81
		<hr/>
		\$51,370 71

## DEBIT.

## (Expenditures.)

Cash, paid laborers . . . . .	\$5,634 44	
Teaming, hired teams . . . . .	1,081 88	
Barrett Mfg. Co., tarvia . . . . .	4,430 50	
Bruno & Petitti, paving Mystic avenue . . . . .	9,019 31	
Boston & Maine Railroad:—		
freight on bricks . . . . .	6 00	
city's portion for rebuilding bridge on Mystic avenue . . . . .	3,024 07	
Coleman Brothers, crushed stone . . . . .	3,847 72	
Edwin O. Childs, Register, recording takings . . . . .	44 40	
C. W. Dolloff & Co., paving:—		
Holland street . . . . .	2,300 00	
Elm street . . . . .	1,400 00	
Teele square . . . . .	2,700 00	
Ball square . . . . .	2,000 00	
extra paving . . . . .	236 25	
Luke D. Mullen, paving blocks . . . . .	6,670 20	
Metropolitan Paving Brick Co., paving blocks . . . . .	2,720 00	
E. S. Sparrow & Co., paint . . . . .	1 25	
Frank B. Sanborn, testing bricks . . . . .	40 00	
Somerville Journal Co., advertising . . . . .	33 00	
Somerville Reporter, advertising . . . . .	21 00	
Winchester Stone Co., stone . . . . .	181 53	
	<hr/>	
	\$46,391 55	
Highways Maintenance account, use of city teams and materials . . . . .	5,402 19	
Paved Gutters and Crossings account, paving blocks . . . . .	5 00	
Sidewalks Maintenance account, bricks . . . . .	36 96	
Water Maintenance account, stock and labor . . . . .	35 01	
	<hr/>	
	<hr/>	
		\$51,870 71

**Highways Maintenance.**

	CREDIT.	
Balance from 1910 . . . . .		\$9,569 67
Commonwealth of Massachusetts:—		
Street Railway Tax . . . . .	\$50,836 88	
Boston Elevated Railway Tax . . . . .	10,000 74	
		60,837 62
		\$70,407 29
Reduced by the following transfers:—		
Care of Trees account . . . . .	\$500 00	
	58 17	
	3,000 00	
		\$3,558 17
Sidewalks Maintenance . . . . .	\$500 00	
	4,000 00	
	154 08	
		4,654 08
Gypsy and Brown-tail Moth Extermination . . . . .	536 72	
Street Cleaning account . . . . .	22,929 92	
		31,728 89
		\$38,678 40
Balance to credit of account, 1912 . . . . .		2,769 90
		\$35,908 50
Stock and labor billed other departments:—		
Refuse and Garbage Disposal account, teaming . . . . .	\$3,249 23	
Sewers Construction account, dynamite . . . . .	14 87	
Care of Trees account, use of city teams . . . . .	793 91	
Sprinkling Streets account, use of city teams . . . . .	2,350 74	
Gypsy and Brown-tail Moth Extermination account, use of city teams . . . . .	137 20	
Highways Construction account, use of city teams and materials . . . . .	5,402 19	
Engineering Department account, sand, etc., . . . . .	8 14	
Engineering Department, Parks Maintenance account, crushed stone, etc. . . . .	106 73	
Street Cleaning account, use of city teams . . . . .	3,397 10	
Engineering Department, Playgrounds Maintenance account, sand, etc. . . . .	40 97	
Paved Gutters and Crossings account, use of city teams . . . . .	1,091 97	
Sidewalks Maintenance account, use of city teams . . . . .	820 12	
Sidewalks Construction account, use of city teams . . . . .	7,439 16	
Elm-leaf Beetle Extermination account, use of city teams and materials . . . . .	81 27	
Water Maintenance account, stock and labor . . . . .	71 83	
		25,005 43
Receipts:—		
Cash, received of sundry persons, constructing driveways, etc. . . . .	\$646 98	
		\$60,913 93
Amounts carried forward . . . . .	\$646 98	

Amounts brought forward . . . . .	\$646 98	\$60,913 93
Boston & Maine Railroad Co.:—		
gravel land . . . . .	1,083 95	
repairs . . . . .	86 19	
Alpha Portland Cement Co., bags . . . . .	845 10	
Boston Elevated Railway Co., labor . . . . .	350 00	
Edison Electric Illuminating Co., labor . . . . .	237 82	
		<u>3,250 04</u>
		\$64,163 97

## DEBIT.

## (Expenditures.)

Cash, paid Asa B. Prichard, salary as street commissioner . . . . .	\$2,000 00
services as city forester in 1910 and 1911 . . . . .	600 00
Albert M. Burbank, foreman . . . . .	1,294 00
Laborers . . . . .	33,818 41
Teaming, hired teams . . . . .	447 50
F. C. Ayer, lumber . . . . .	305 29
S. Armstrong Co., bungs . . . . .	1 00
American Express Co., expressing . . . . .	4 00
American Broom Co., re-filling brooms, . . . . .	90 00
Ames Implement & Seed Co., plows . . . . .	42 30
Ashton Valve Co., repairing rollers . . . . .	10 27
Alpha Portland Cement Co., cement . . . . .	3,082 18
The American Steam Packing Co., re- pairing roller . . . . .	1 87
Ames Plow Co., plow handles . . . . .	3 75
Archibald Wheel Co., hub . . . . .	6 12
Braman, Dow & Co., fittings . . . . .	18 74
Charles E. Berry, labor . . . . .	11 29
Henry K. Barnes Co., belting . . . . .	17 05
Barrett Mfg. Co., tarvia . . . . .	3,207 61
Harold E. Bond Co., wood blocks . . . . .	138 36
Boston & Maine Railroad, freight on cement, etc. . . . .	424 93
Buffalo Steam Roller Co., fittings . . . . .	377 92
Burbank & Ryder Varnish Co., varnish . . . . .	36 00
L. W. Bowen, curbing and steps . . . . .	20 00
John W. Brady, settlement of damage claim . . . . .	25 00
Jerry Buttimer, stone . . . . .	87 48
Boston Belting Co., belting . . . . .	4 70
Boston Grease Co., grease . . . . .	7 50
Boston Woven Hose & Rubber Co., hose . . . . .	23 85
S. Brown, salt and lard . . . . .	90
Selwyn Z. Bowman, Trustee, settlement of damages to estate on Temple street, G. S. Cheney Co., remedies . . . . .	79 00
Consolidated Rendering Co., salt . . . . .	38 80
Chandler & Farquhar, supplies . . . . .	10 00
Cotter's Express, expressing . . . . .	111 31
Annie T. Colbert, settlement for in- juries . . . . .	1 90
Cling Surface Co., cling surface . . . . .	350 00
	7 00
Amount carried forward . . . . .	<u>\$46,706 03</u>

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Amount brought forward . . . . .	\$46,706 03
L. B. Chandler, loam . . . . .	15 00
William M. Clark, settlement for in- juries . . . . .	110 00
Coleman Brothers, crushed stone . . . . .	964 29
A. W. Chesterton Co., glasses . . . . .	1 35
O. W. Dix, axle grease . . . . .	26 25
Dodge, Haley & Co., horseshoes . . . . .	125 21
Davenport-Brown Co., milling . . . . .	1 60
S. B. Dorr, use of automobile . . . . .	25 00
John Deere Plow Co., plow . . . . .	27 00
R. W. Doe, repairing crusher . . . . .	4 75
Edson Mfg. Co., valves, etc. . . . .	1 76
W. J. Emerson, shoes . . . . .	6 00
G. S. Fletcher, photographs . . . . .	11 00
Walter W. Field & Son, repairing road roller . . . . .	163 52
Robert Fawcett, settlement for injuries . . . . .	337 50
F. C. Fuller & Co., white lead . . . . .	16 00
Elizabeth H. Fitzgerald, settlement for injuries . . . . .	100 00
James H. Fannon, stone . . . . .	26 23
Fellows & Co., repairing ladder . . . . .	2 75
Gilman Express Co., expressing . . . . .	90
Glines & Co., expressing . . . . .	11 10
Thomas Groom & Co., books and sta- tionery . . . . .	59 30
Gulf Refining Co., kerosene . . . . .	202 90
Good Roads Machinery Co., springs and bolts . . . . .	5 52
W. A. Greenough & Co., directory . . . . .	4 00
J. E. Gallagher, express wagon . . . . .	65 00
Globe-Wernicke Co., cabinet and cards . . . . .	15 45
Bertha F. Gifford, injury to dress . . . . .	8 00
H. W. Gurney, settlement for injuries . . . . .	100 00
E. J. Hervey Co., dynamite . . . . .	162 05
J. J. Hurley & Co., labor on piping . . . . .	12 91
Hydro Bar Waterproofing Co., can waterproofer . . . . .	4 50
Arthur C. Harvey Co., horseshoes, etc., . . . . .	144 44
W. H. Hitchings, veterinary services . . . . .	257 00
Hay Brothers Co., iron rods . . . . .	3 60
William B. Holmes, smoke pipe elbow . . . . .	1 75
William M. Hasey, settlement for in- juries . . . . .	350 00
J. W. Howard, plants and flowers . . . . .	17 00
Sarah A. Huff, settlement for injuries . . . . .	150 00
Highland Coal Co., cement . . . . .	44 90
Joy Mfg. Co., wrenches . . . . .	4 75
William Kirkland, ashes . . . . .	10 75
George W. Ladd, shoeing . . . . .	1 80
A. C. Libby & Sons, stationery . . . . .	41 35
T. E. Littlefield, lumber . . . . .	31 24
Lord & Webster, hay and grain . . . . .	2,140 74
S. & R. J. Lombard, paving blocks . . . . .	57 60
D. J. Moynahan, board of horse . . . . .	253 97
Morgan & Bond, saddlery hardware . . . . .	444 58
Amount carried forward . . . . .	\$53,278 34



Amount brought forward . . . . .	\$53,278 34
J. D. McLellan, salt, etc. . . . .	1 80
John W. McLean, levels . . . . .	2 75
Medford Street Market, lard . . . . .	4 00
George McDormand, horseshoeing . . . . .	5 89
W. B. Mullen, sand . . . . .	1,365 17
Angus McKay, water . . . . .	72
New England Towel Supply Co., towels, . . . . .	7 20
New England Brick Co., bricks . . . . .	20 25
New England Telephone & Telegraph Co., service . . . . .	87 83
New England Iron Works Co., wagon and repairs . . . . .	253 35
Caroline E. Nichols, settlement of claim, . . . . .	10 00
Fulton O'Brien, oats . . . . .	1,370 91
Edward O'Brien, shoeing . . . . .	33 00
John O'Brien, settlement for injuries . . . . .	50 00
Henry W. Perry, blower, etc. . . . .	8 65
Proctor Brothers Grain Co., hay and grain . . . . .	1,694 05
W. E. Plumer & Co., brooms . . . . .	63 75
Priest, Page & Co., tee bearing . . . . .	1 05
John A. Pendergast, brooms and handles . . . . .	8 50
Phelps Brothers, hay . . . . .	660 25
Parry Brick Co., bricks . . . . .	68 53
Perrin, Seamans & Co., tools . . . . .	28 40
W. P. Phillips, cap for oil cups . . . . .	30
A. M. Pride, fence at city yard . . . . .	312 20
O. S. Ryerson, emery wheels . . . . .	4 50
John B. Rufer, clipping . . . . .	6 00
Rogers Brothers, horseshoeing . . . . .	2 50
A. F. Robinson Boiler Co., grate and labor . . . . .	28 66
Roberts Iron Works Co., grates, etc. . . . .	39 88
E. S. Sparrow & Co., hardware . . . . .	227 27
Charles R. Simpson, veterinary ser- vices . . . . .	5 00
George H. Sampson Co., bolts . . . . .	1 70
Sampson Draught Spring Co., springs . . . . .	20 00
J. W. Staniford & Co., level glasses . . . . .	45
Somerville Journal Co., envelopes . . . . .	12 15
W. A. Smith, tools . . . . .	6 03
Walter H. Snow & Sons, catering . . . . .	9 20
Standard Oil Co. of New York, asphalt, . . . . .	480 15
Katherine Sands, settlement for injuries, . . . . .	125 00
Charles B. Smith, carriage . . . . .	25 00
Somerville Post-office, postage . . . . .	27 62
Taylor Carriage Co., wagon . . . . .	25 00
R. J. Todd Co., spring holders . . . . .	5 25
Nathan Tufts & Sons, grain . . . . .	1,461 60
William J. Thompson & Co., straw . . . . .	40 13
Underhill Hardware Co., hardware . . . . .	248 61
Valvoline Oil Co., oil . . . . .	162 11
Walworth Mfg. Co., discs . . . . .	3 31
Whitney & Snow, hardware . . . . .	54 17
I. B. Walker, shoeing . . . . .	47 28
Samuel Ward Co., stationery . . . . .	13 53
Amount carried forward . . . . .	\$62,418 99

Amount brought forward . . . . .	\$62,418 99
L. A. Wright, repairing wheels . . . . .	124 25
A. M. Wood Co., lumber . . . . .	32 40
Wellington-Wild Coal Co., fuel . . . . .	1,254 84
Asahel Wheeler Co., oil gold . . . . .	16 65
A. J. Wilkinson & Co., iron . . . . .	1 17
Winchester Stone Co., stone . . . . .	137 11
Waldo Brothers, clay . . . . .	1 00

\$63,986 41

Sewers Maintenance account, stone . . . . .	71 76
Highways, Paved Gutters and Crossings account, paving blocks . . . . .	18 40
Water Maintenance account, pipe, etc. . . . .	65 21
Sidewalks Construction account, lumber . . . . .	22 19

\$64,163 97

**Highways, Paved Gutters and Crossings.**

CREDIT.

Appropriations, from Funded Debt, 1911 . . . . .	\$6,500 00
Sewers Construction account, amount transferred . . . . .	5,000 00
Highways Construction account, balance transferred . . . . .	66 11

\$11,566 11

Stock and labor billed other departments:—

Highways Maintenance account, paving blocks . . . . .	\$18 40
Sidewalks Construction account, paving blocks . . . . .	3 80
Highways Construction account, paving blocks . . . . .	5 00

27 20

\$11,593 31

DEBIT.

(Expenditures.)

Cash, paid laborers . . . . .	\$5,298 58
Teaming, hired teams . . . . .	798 76
Boston Elevated Railway Co., brow stone . . . . .	28 40
S. & R. J. Lombard, paving blocks . . . . .	4,178 22
Parry Brick Co., paving bricks . . . . .	14 45

\$10,318 41

Highways Maintenance account, use of city teams . . . . .	1,091 97
Highways Construction account, paving blocks . . . . .	182 93

\$11,593 31

**Sidewalks Construction.**

CREDIT.

Balance from 1910 . . . . .	\$2,195 08
Appropriations, from Funded Debt, 1911 . . . . .	20,000 00

Amount carried forward . . . . . \$22,195 08

Amount brought forward . . . . .		\$22,195 08
Sidewalk Assessments account, assessments levied . . . . .	\$22,032 88	
Less abatements . . . . .	17 74	
		<u>22,015 14</u>
		\$44,210 22
Balance to credit of account, 1912 . . . . .		<u>62 38</u>
		\$44,147 84
Stock and labor billed other departments:—		
Highways Maintenance account, lumber . . . . .		22 19
		<u>\$44,170 03</u>

## DEBIT.

## (Expenditures.)

Cash, paid laborers . . . . .	\$20,630 07	
Teaming, hired teams . . . . .	3,439 01	
F. C. Ayer, lumber . . . . .	55 19	
Harold L. Bond, canvas . . . . .	3 20	
Thomas Groom & Co., books and stationery . . . . .	26 50	
S. & R. J. Lombard, edgestones . . . . .	9,183 72	
Parry Brick Co., paving bricks . . . . .	3,317 67	
Fred C. Tobey Land Co., sods . . . . .	30 28	
Underhill Hardware Co., hose . . . . .	14 00	
		<u>\$36,699 64</u>
Highways Maintenance account, use of city teams . . . . .	7,439 16	
Highways, Paved Gutters and Crossings account, paving blocks . . . . .	3 80	
Sewers Construction account, edgestones . . . . .	27 43	
		<u>\$44,170 03</u>

**Sidewalks Maintenance.**

## CREDIT.

Highways Maintenance account, amounts transferred:—		
	\$500 00	
	154 08	
	4,000 00	
		<u>\$4,654 08</u>
Stock and labor billed other departments:—		
Highways Construction account, bricks . . . . .		36 96
Receipts:—		
Cash, received of R. C. Grovestein, bricks . . . . .		6 75
		<u>\$4,697 79</u>

## DEBIT.

## (Expenditures.)

Cash, paid laborers . . . . .	\$3,681 83
Teaming, hired teams . . . . .	20 00
New England Brick Co., bricks . . . . .	20 25
Parry Brick Co., paving bricks . . . . .	154 89
	<u>\$3,876 97</u>
Amount carried forward . . . . .	\$3,876 97

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Amount brought forward . . . . .	\$3,876 97	
Highways Maintenance account, use of city teams . . . . .	820 12	
Highways Construction account, paving blocks . . . . .	70	
	<hr/>	\$4,697 79

**Highways, Sprinkling Streets.**

CREDIT.

Taxes, assessments levied . . . . .		\$33,544 15
Excess and Deficiency account, balance transferred . . . . .		1,965 68
		<hr/>
		\$31,578 47

Receipts:—

Cash, received of abutters . . . . .	\$30 00	
J. F. Ingraham, repairing cart . . . . .	15 00	
Bruno & Petitti, use of cart . . . . .	13 00	
	<hr/>	58 00
		<hr/>
		\$31,636 47

DEBIT.

(Expenditures.)

Cash, paid laborers . . . . .	\$4,614 31
Thomas Allen, sprinkling . . . . .	90 00
Cornelius R. Bowlby, sprinkling . . . . .	606 00
Julia J. Buttimer, sprinkling . . . . .	534 20
Daniel Collins, sprinkling . . . . .	482 00
Edward Caldwell, sprinkling . . . . .	126 00
Timothy F. Crimmings, sprinkling . . . . .	484 84
George E. Carr, sprinkling . . . . .	540 00
James F. Doherty, sprinkling . . . . .	531 29
Mrs. Allen A. Emery, sprinkling . . . . .	64 00
John F. Elkins, sprinkling . . . . .	596 00
E. W. Emery, sprinkling . . . . .	540 00
Charles T. Garland, sprinkling . . . . .	209 03
J. F. Hause & Co., sprinkling . . . . .	127 68
Howard Lowell & Son, sprinkling . . . . .	540 00
Jameson Brothers, sprinkling . . . . .	69 68
William T. Kilmartin, sprinkling . . . . .	390 00
J. A. Marsh Coal Co., sprinkling . . . . .	583 49
Joseph J. Manning, sprinkling . . . . .	197 42
James F. McAllister, sprinkling . . . . .	493 55
Edward Nolan, sprinkling . . . . .	396 00
A. M. Prescott, sprinkling . . . . .	602 00
Mark W. Patten, sprinkling . . . . .	90 00
Timothy F. Reardon, sprinkling . . . . .	540 00
A. P. Rockwood, sprinkling . . . . .	432 00
David M. Smith, sprinkling . . . . .	152 00
George Stevenson, sprinkling . . . . .	523 42
R. M. Sturtevant, sprinkling . . . . .	582 00
Suburban Coal Co., sprinkling . . . . .	602 00
Daniel M. Smith, sprinkling . . . . .	450 00
Mary J. Shean, sprinkling . . . . .	450 00
Mary Shea, sprinkling . . . . .	90 00
M. E. Tighe, sprinkling . . . . .	102 00
	<hr/>
Amount carried forward . . . . .	\$16,830 91



Amount brought forward . . . . .	\$16,830 91
John Wilson, sprinkling . . . . .	519 61
American Express Co., expressing . . . . .	2 08
F. C. Ayer, lumber . . . . .	16 35
Bertha M. Boyd, clerical work . . . . .	72 72
Braman, Dow & Co., pipe, etc. . . . .	13 42
Boston & Maine Railroad, freight . . . . .	46 00
Barrett Mfg. Co., tarvia . . . . .	294 00
Boston Varnish Co., varnish . . . . .	86 05
Lula E. Chapman, clerical work . . . . .	10 67
Chandler & Farquhar Co., cotton waste, . . . . .	10 00
T. A. Cunningham, brushes . . . . .	3 30
Dodge, Haley & Co., iron . . . . .	82 98
Davenport-Brown Co., lumber . . . . .	2 44
Dustoline Co., dustoline . . . . .	424 32
Edson Mfg. Co., pump couplings . . . . .	27 09
F. C. Fuller & Co., lead . . . . .	16 00
Edna L. Goodwin, clerical work . . . . .	33 34
Thomas Groom & Co., assessment book . . . . .	18 00
Indian Refining Co., road oil . . . . .	307 42
A. C. Libby & Sons, time books . . . . .	75
Morgan & Bond, sponges . . . . .	11 25
City of Medford, street sprinkling . . . . .	66 43
Joseph Palmer, repairing springs . . . . .	8 50
Robertson & Nixon, insurance . . . . .	72 00
Standard Oil Co. of New York, road oil, . . . . .	4,320 30
Alden Spear's Sons Co., tasscoil . . . . .	5,204 81
Studebaker Brothers Co. of New York, sprinkling cart . . . . .	310 00
Underhill Hardware Co., japan, etc. . . . .	13 20
I. B. Walker, repairing . . . . .	1 00
A. M. Wood Co., oak lumber . . . . .	1 91
	<hr/>
	\$28,826 85
Highways Maintenance account, use of city teams . . . . .	2,350 74
Water Works Extension account, water post . . . . .	30 45
Water Maintenance account, maintaining water posts . . . . .	260 93
Police Department, police service . . . . .	167 50
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	<u>\$31,636 47</u>

**Street Lighting.**

## CREDIT.

Appropriations, from Taxes, 1911 . . . . .	\$51,000 00
Excess and Deficiency account, balance transferred . . . . .	3,508 64
	<hr/>
	\$54,508 64

## DEBIT.

(Expenditures.)

Cash, paid Edison Electric Illuminating Co., street lighting . . . . .	\$54,484 64
shifting lamps . . . . .	24 00
	<hr/>
	<u>\$54,508 64</u>

**Public Buildings Department, Maintenance Highway Buildings.**

CREDIT.

Appropriations, from Taxes, 1911 . . . . .	\$600 00
Excess and Deficiency account, balance transferred . . . . .	14
	<hr/>
	\$599 86

Receipts:—

Cash, received of Thomas Ormond, rent . . . . .	\$120 00	
Arthur Murley, rent . . . . .	120 00	
	<hr/>	240 00
		<hr/>
		\$839 86

DEBIT.

(Expenditures.)

Cash, paid F. C. Ayer, lumber . . . . .	\$13 64	
Crosby Steam Gage & Valve Co., gage, . . . . .	5 50	
C. W. Cahalan, plumbing . . . . .	20 04	
R. W. Doe, piping . . . . .	121 94	
Edison Electric Illuminating Co., light- ing . . . . .	122 30	
Gilman Express Co., expressing . . . . .	15	
Glines & Co., expressing . . . . .	1 20	
S. D. Hicks & Son, new gutters and re- pairing conductors . . . . .	175 00	
S. P. Larsen & Son, roofing . . . . .	80 06	
T. E. Littlefield, lumber . . . . .	2 88	
Charles F. Mills, carpentering . . . . .	68 40	
B. L. Makepeace, blue prints . . . . .	69	
Priest, Page & Co., proportional part platform . . . . .	50 00	
Pittsburg Plate Glass Co., glass . . . . .	4 40	
George L. Robinson, glazing . . . . .	9 76	
S. J. Sands, stove pipe . . . . .	2 15	
E. S. Sparrow & Co., hardware . . . . .	7 15	
W. A. Snow Iron Works, hitch rings . . . . .	6 00	
Somerville Coal Co., fuel . . . . .	23 20	
Wellington-Wild Coal Co., coal . . . . .	125 40	
	<hr/>	
		<hr/>
		\$839 86

**Lowell Street Bridges.**

CREDIT.

Balance from 1910 . . . . .	\$10,907 18
Reduced by the following transfers:—	
Electrical Department, Underground Con- struction account . . . . .	\$4,000 00
Ward One Branch Library account . . . . .	1,000 00
Union Square Branch Library account . . . . .	1,000 00
Industrial School for Girls account . . . . .	1,400 00
	<hr/>
	7,400 00
	<hr/>
	\$3,507 18
Highway Betterment Assessments account, assessments abated . . . . .	800 00
	<hr/>
Amount carried forward . . . . .	\$2,707 18

Amount brought forward . . . . .	\$2,707 18
Balance to credit of account, 1912 . . . . .	2,407 18
	<hr/>
	\$300 00

## DEBIT.

(Expenditures.)

Cash, paid Mary E. Bowen, compensation for damages . . . . .	\$150 00
James Doherty, compensation for damages . . . . .	150 00
	<hr/>
	\$300 00

## CHARITIES.

## Support of Poor, Miscellaneous.

## CREDIT.

Appropriations, from Taxes, 1911 . . . . .	\$12,500 00
Excess and Deficiency account, balance transferred . . . . .	139 25
	<hr/>
	\$12,639 25

Stock and labor billed other departments:—

Soldiers' Relief account, medicine . . . . .	30 55
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Receipts:—

Commonwealth of Massachusetts, support of state paupers . . . . .	1,030 62
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Cash, received for support of paupers:—

City of Boston . . . . .	\$562 05
City of Cambridge . . . . .	809 05
City of Everett . . . . .	39 36
City of Fall River . . . . .	14 29
City of Malden . . . . .	41 43
City of Marlboro . . . . .	7 30
City of Medford . . . . .	173 42
City of Newton . . . . .	142 53
City of New Bedford . . . . .	10 66
City of Northampton . . . . .	40 79
City of Quincy . . . . .	92 13
City of Springfield . . . . .	37 30
City of Taunton . . . . .	47 57
City of Waltham . . . . .	70 00
City of Woburn . . . . .	52 82
City of Worcester . . . . .	7 14
Town of Andover . . . . .	7 14
Town of Arlington . . . . .	6 00
Town of Brookline . . . . .	2 50
Town of Burlington . . . . .	78 20
Town of Hanover . . . . .	34 00
Town of Leominster . . . . .	30 73
Town of Lynnfield . . . . .	45 71
Town of Rutland . . . . .	42 86
Town of Saugus . . . . .	40 35
Town of Weston . . . . .	57 49
Town of Whitman . . . . .	30 00
Town of Walpole . . . . .	62 86
Town of Watertown . . . . .	41 46

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2,627 14

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\$16,327 56

## DEBIT.

(Expenditures.)

Cash, paid Charles C. Folsom, salary as agent . . . . .	\$1,600 00
disbursements . . . . .	168 91
C. Clark Towle, M. D., city physician . . . . .	1,500 00
Cora F. Lewis, secretary . . . . .	583 34
Mabel F. Kenneson, clerical services . . . . .	444 50
H. G. Applin, groceries . . . . .	22 00
Town of Arlington, aid . . . . .	32 00
Mrs. E. M. Bangs, board . . . . .	104 30
James Bartley, groceries . . . . .	555 00
City of Boston, aid . . . . .	1,638 64
Charles S. Butters, groceries . . . . .	104 00
Mrs. Clarence Blaisdell, board . . . . .	25 00
J. H. Brooks, dry goods . . . . .	2 00
Edw. Coliten & Son, groceries . . . . .	132 00
Commonwealth of Massachusetts, board, City of Cambridge, aid . . . . .	571 96
C. Carbone, groceries . . . . .	331 82
F. E. Cheney Co., groceries . . . . .	25 50
Mercy J. Chase, allowance . . . . .	37 00
Charles W. Dailey, use of ambulance . . . . .	12 00
James Davis, groceries . . . . .	11 00
Mary Drury, board . . . . .	129 75
P. Diozzi, groceries . . . . .	120 00
Harry A. Dunham, board . . . . .	80 00
George L. Doherty, burial . . . . .	26 00
Edgar E. Donnell, board . . . . .	15 00
Edward Edwards, medicine . . . . .	8 86
W. J. Emerson, boots and shoes . . . . .	90 78
Fresh Pond Ice Co., ice . . . . .	3 00
W. A. Flaherty & Son, burials . . . . .	1 90
F. W. Gilbert, boots and shoes . . . . .	5 00
Charles F. Giles, groceries . . . . .	23 75
Benjamin W. Goldsmith, board . . . . .	461 00
W. T. Gill, burial . . . . .	86 87
C. H. Goldthwaite & Co., supplies . . . . .	15 00
Thomas Groom & Co., stationery . . . . .	6 57
W. A. Greenough & Co., directory . . . . .	16 42
F. H. Grow, groceries . . . . .	4 00
Glines & Co., expressing . . . . .	214 50
H. T. George, groceries . . . . .	65
J. Frank Gear, sundries . . . . .	120 00
G. F. Harvey Co., medicine . . . . .	3 25
Eleanor Jenkins, board . . . . .	36 53
F. A. E. Jewell, groceries . . . . .	15 00
H. L. Kyes, groceries . . . . .	111 00
Mrs. H. L. Kyes, groceries . . . . .	63 00
C. R. King, groceries . . . . .	79 00
M. D. Lewis, groceries . . . . .	171 00
M. D. Lovering, groceries . . . . .	98 00
City of Lynn, aid . . . . .	216 45
Howard Lowell & Son, carriage hire . . . . .	1 29
City of Lowell, aid . . . . .	11 50
Library Bureau, printing . . . . .	13 80
J. D. McLennan, groceries . . . . .	6 83
	203 00
Amount carried forward . . . . .	<hr/> \$10,359 67



Amount brought forward . . . . .	\$10,359 67
James H. Maguire Co., groceries . . . . .	306 50
A. J. McDonald, groceries . . . . .	22 00
Murphy & Turnbull, burials . . . . .	15 00
Mary Murray, board . . . . .	78 20
Monroe Pharmacal Co., medicine . . . . .	106 43
Miss H. McLeod, aid . . . . .	3 60
John S. McGowan, burial . . . . .	20 00
Massachusetts Hospital School, board . . . . .	326 28
G. F. McKenna & Son, burial . . . . .	8 00
City of Medford, aid . . . . .	34 42
Alfred E. Mann, burial . . . . .	5 00
New England Telephone & Telegraph Co., service . . . . .	110 98
City of Newton, aid . . . . .	131 35
North Packing & Provision Co., groceries . . . . .	206 00
Edith M. Nutt, board . . . . .	104 30
Town of Pepperell, aid . . . . .	148 20
Frederic H. Perry, printing . . . . .	16 75
Estate of S. F. Phipps, medicine . . . . .	1 70
Town of Rockland, aid . . . . .	18 00
Andrew F. Ryan, groceries . . . . .	156 00
Town of Revere, aid . . . . .	59 25
A. P. Rockwood, carriage hire . . . . .	5 00
P. H. Rafferty, burials . . . . .	45 00
Town of Reading, aid . . . . .	43 38
Mrs. Charles H. Sands, groceries . . . . .	300 00
Hattie G. Sellon, board . . . . .	52 17
R. M. Sturtevant, groceries . . . . .	575 00
Somerville Visiting Nursing Association, nursing . . . . .	57 25
Somerville Hospital, aid . . . . .	1,830 72
Town of Stoneham, aid . . . . .	20 60
Somerville Journal Co., printing . . . . .	17 90
Smith-Premier Typewriter Co., repairs . . . . .	1 75
City of Salem, aid . . . . .	16 15
City of Springfield, aid . . . . .	9 10
Town of West Springfield, aid . . . . .	57 00
Wellington-Wild Coal Co., fuel . . . . .	573 43
Emiline Willis, board . . . . .	4 43
Francis Wilson, burial . . . . .	15 00
George Wood, groceries . . . . .	98 00
City of Worcester, aid . . . . .	100 00
Benjamin E. White, groceries . . . . .	210 00
D. E. Watson, groceries . . . . .	16 00
York County Children's Aid Society, aid, <hr/>	42 00
	<hr/> <u>\$16,327 56</u>

### Support of Poor, City Home.

#### CREDIT.

Appropriations, from Taxes, 1911 . . . . .	\$3,000 00
Excess and Deficiency account, balance transferred . . . . .	209 59
	<hr/>
	\$2,790 41
Stock and labor billed other departments:—	
Contagious Disease Hospital account, produce . . . . .	312 78
	<hr/>
Amount carried forward . . . . .	\$3,103 19

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Amount brought forward . . . . .		\$3,103 19
Receipts:—		
Cash, received of J. Foster Colquhoun, produce . . . . .	\$3,431 38	
City of Everett, board . . . . .	283 00	
City of Marlboro, board . . . . .	25 52	
Town of Arlington, board . . . . .	933 50	
City of Boston Institutions, Registra- tion Department, board . . . . .	7 86	
Ellen C. Eagan, board . . . . .	38 50	
Ellen Moran, board . . . . .	10 50	
Waldo Brothers, bags . . . . .	8 58	
	<hr/>	4,738 84
		<hr/>
		\$7,842 03

DEBIT.  
(Expenditures.)

Cash, paid J. Foster Colquhoun, salary as warden . . . . .	\$700 00
disbursements . . . . .	242 35
Mrs. Catherine Colquhoun, matron . . . . .	500 00
Sundry persons, farm help . . . . .	944 67
Sundry persons, house help . . . . .	767 27
E. O. Arnold & Co., labor . . . . .	1 80
Ames Implement & Seed Co., seeds . . . . .	5 50
Bowers & Dewick, clothing . . . . .	6 15
Boston Plate & Window Glass Co., glass . . . . .	10 23
Joseph Breck & Sons Corporation, seeds . . . . .	41 45
D. J. Bennett, repairs . . . . .	11 45
Andrew Blythe, provisions . . . . .	17 59
Cambridge Ice Co., ice . . . . .	35 43
E. A. Carlisle & Pope Co., hot bed sash, Chase & Sanborn, tea and coffee . . . . .	95 02
Clark Brothers Co., potatoes . . . . .	40 35
Chapin Brothers, potatoes . . . . .	50 75
Henry N. Clarke Co., hardware . . . . .	8 49
George W. Clatur Co., fish . . . . .	28 50
W. F. Cobb & Co., seeds . . . . .	4 20
Jackson Caldwell & Co., chair . . . . .	3 00
J. H. Derby & Co., clock repairs . . . . .	3 95
Brown-Durrell Co., dry goods . . . . .	26 62
Farley, Harvey & Co., sheets and slips . . . . .	69 20
L. C. Fisher & Co., oranges . . . . .	2 75
Fottler, Fiske, Rawson & Co., seeds . . . . .	14 65
George G. Fox Co., bread . . . . .	243 38
General Baking Co., bread . . . . .	90 43
C. W. Goldthwaite, vinegar . . . . .	16 20
Thomas Groom & Co., stationery . . . . .	5 10
Gilman Express Co., expressing . . . . .	2 60
Thomas J. Grey Co., seeds . . . . .	8 01
Walter Gordon & Co., poultry . . . . .	15 00
C. D. Gallagher, potatoes . . . . .	4 25
G. F. Gurney Co., brushes . . . . .	13 62
Percy A. Hall, medicine . . . . .	76 27
A. H. Hews & Co., flower pots . . . . .	26 75
	<hr/>
Amount carried forward . . . . .	\$4,140 48

Amount brought forward . . . . .	\$4,140 48
F. J. Hopkins, groceries . . . . .	121 63
I. N. Holman, repairs . . . . .	7 50
Highland Coal Co., lime . . . . .	5 00
Hopkinson & Holden, pansies . . . . .	6 00
Hinds & Coon, hose . . . . .	28 00
William H. Hitchings, veterinary services . . . . .	8 00
Hovey & Co., seeds . . . . .	6 16
George F. Johnson Co., paper . . . . .	1 00
Jones, McDuffee & Stratton, crockery . . . . .	4 33
Jordan Marsh Co., kitchen ware . . . . .	87 65
Alfred E. Knight, dentistry . . . . .	1 50
Amos Keyes & Co., butter and eggs . . . . .	72 05
George W. Ladd, shoeing . . . . .	32 50
C. W. Lerner & Co., disinfectant . . . . .	2 55
T. E. Littlefield, lumber . . . . .	41 90
Lord & Webster Co., hay . . . . .	214 03
McGreenery & Manning, tobacco . . . . .	48 15
J. S. Newcomb & Co., groceries . . . . .	686 90
New England Mfg. Co., butterine . . . . .	115 22
New England Telephone & Telegraph Co., service . . . . .	56 10
Nay & Taylor, ice cream, etc. . . . .	6 10
National Biscuit Co., crackers . . . . .	51 07
Fulton O'Brion, grain . . . . .	318 21
Park & Pollard Co., dry mash . . . . .	2 25
W. E. Plumer & Co., hardware . . . . .	27 35
Proctor Brothers Grain Co., hay and grain . . . . .	76 89
Parke Snow, dry goods . . . . .	60 79
Page & Baker Co., furniture . . . . .	29 50
Phelps Brothers, hay . . . . .	84 74
Percy & Fleming, printing . . . . .	8 00
Reuben Ring & Co., medicine . . . . .	10 25
J. W. Roberts & Co., groceries . . . . .	317 14
Russell Shoe Co., shoes . . . . .	3 60
Richardson & Brackett, oil . . . . .	54
Simpson Brothers Co., groceries . . . . .	48 76
John P. Squire & Co., shavings . . . . .	13 75
C. L. Stevens, groceries . . . . .	187 10
E. S. Sparrow & Co., hardware . . . . .	25
E. D. Sawyer Lumber Co., lumber . . . . .	54 20
Arthur Sternberg, clothing . . . . .	5 00
Somerville Journal Co., printing . . . . .	4 25
Charles R. Simpson, veterinary services, Standard Chemical Co., soap . . . . .	17 29
H. O. Sheldon, cow . . . . .	60 00
W. C. Stickle, papers . . . . .	5 60
George H. Thayer, boots and shoes . . . . .	52 50
A. S. Tyler, milk . . . . .	75 20
Leonard A. Treat, fish . . . . .	3 90
F. H. Thomas Co., beds, etc. . . . .	55 60
E. A. Tilton, horse hire . . . . .	12 00
Nathan Tufts & Sons, oats, etc. . . . .	57 00
William J. Thompson & Co., hay . . . . .	37 36
Underhill Hardware Co., putty . . . . .	2 25
William J. Wiley, hardware . . . . .	35 28
Amount carried forward . . . . .	\$7,412 87

Amount brought forward . . . . .	\$7,412 87	
F. A. Weldon, groceries . . . . .	13 41	
Waldo Brothers, cement . . . . .	8 56	
Whitcomb Metallic Bed Spring Co., beds, etc. . . . .	37 70	
Whittier Wooden Ware Co., hardware . . . . .	6 33	
West Disinfecting Co., disinfectant . . . . .	7 50	
	<hr/>	
	\$7,486 37	
Water Maintenance account, stock and labor . . . . .	10 76	
Refuse and Garbage Disposal account, gar- bage . . . . .	344 90	
	<hr/>	
		<u>\$7,842 03</u>

**Public Buildings Department, Maintenance City Home Buildings.**

CREDIT.

Appropriations, from Taxes, 1911 . . . . .	\$1,800 00
Excess and Deficiency account, balance transferred . . . . .	103 21
	<hr/>
	\$1,696 79

DEBIT.

(Expenditures.)

Cash, paid Cambridge Gas Light Co., gas . . . . .	\$9 01
Davenport-Brown Co., wood . . . . .	1 15
Edison Electric Illuminating Co., light- ing . . . . .	156 70
Eugene Girroir, labor . . . . .	2 00
J. J. Hurley & Co., repairing heating apparatus . . . . .	2 10
James Kenney, labor . . . . .	6 56
Charles F. Mills, carpentering . . . . .	3 80
A. W. Phillips, mason work . . . . .	2 50
George L. Robinson, painting . . . . .	7 68
Standard Charcoal Co., charcoal . . . . .	19 20
J. C. H. Snow, building fence, etc. . . . .	769 35
William J. Wiley, plumbing . . . . .	80 11
Wellington-Wild Coal Co., coal . . . . .	630 74
H. G. White Co., electrical work . . . . .	5 89
	<hr/>
	<u>\$1,696 79</u>

**City Home Addition.**

CREDIT.

Building Public Buildings account, amount transferred . . . . .	\$8,000 00
Balance to credit of account, 1912 . . . . .	7,983 43
	<hr/>
	\$16 57

DEBIT.

(Expenditures.)

Cash, paid B. L. Makepeace, blue prints . . . . .	\$6 52
Somerville Reporter, advertising . . . . .	1 62
Somerville Journal Co., advertising . . . . .	3 50
Somerville Enterprise, advertising . . . . .	4 93
	<hr/>
	<u>\$16 57</u>



**Somerville Hospital.**

## CREDIT.

Appropriations, from Taxes, 1911 . . . . .	\$5,000 00
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## DEBIT.

(Expenditures.)

Cash, paid for support of sick poor . . . . .	<u>\$5,000 00</u>
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**SOLDIERS' BENEFITS.****Soldiers' Relief.**

## CREDIT.

Appropriations, from Taxes, 1911 . . . . .	\$23,000 00
Interest account, amount transferred . . . . .	965 19

	\$23,965 19
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Receipts:—

Cash, received of sundry persons, money refunded . . . . .	175 00
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	\$24,140 19
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## DEBIT.

(Expenditures.)

Cash, paid sundry persons as per pay rolls, . . . . .	\$24,109 64
Support of Poor, Miscellaneous account, . . . . .	
medicine . . . . .	30 55

	\$24,140 19
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**Military Aid.**

## CREDIT.

Appropriations, from Taxes, 1911 . . . . .	\$400 00
Excess and Deficiency account, balance transferred . . . . .	14 00

	\$414 00
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Commonwealth of Massachusetts, amount charged . . . . .	414 00
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	\$828 00
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## DEBIT.

(Expenditures.)

Cash, paid sundry persons as per pay rolls . . . . .	<u>\$828 00</u>
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**State Aid.**

## CREDIT.

Commonwealth of Massachusetts, state aid paid in 1911 . . . . .	\$16,218 00
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Receipts:—

Cash, received of sundry persons, money refunded . . . . .	23 00
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	\$16,246 00
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## DEBIT.

(Expenditures.)

Cash, paid sundry persons as per pay rolls . . . . .	<u>\$16,246 00</u>
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**Soldiers' Burials.**

CREDIT.

Commonwealth of Massachusetts, amount charged December 31, 1911 . . . . .	\$481 00
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DEBIT.

(Expenditures.)

Cash, paid J. H. Dusseault, services as burial agent . . . . .	\$26 00	
John Bryant's Sons, burials . . . . .	70 00	
W. A. Flaherty & Son, burial . . . . .	35 00	
J. E. Henderson & Co., burial . . . . .	35 00	
John E. Kauler, burial . . . . .	35 00	
G. F. McKenna & Son, burial . . . . .	35 00	
Alfred E. Mann, burial . . . . .	35 00	
Arthur A. Marshall, burial . . . . .	35 00	
Murphy & Turnbull, burials . . . . .	70 00	
Francis M. Wilson, burials . . . . .	70 00	
Joseph F. Waterman & Son, burial . . . . .	35 00	
	<hr/>	<hr/>
		\$481 00

**EDUCATION.**

**School Contingent.**

CREDIT.

Appropriations, from Taxes, 1911 . . . . .	\$31,000 00
Excess and Deficiency account, balance transferred . . . . .	7 12
	<hr/>
	\$30,992 88

Receipts:—

Commonwealth of Massachusetts, tuition of state wards . . . . .	306 50
trade school . . . . .	223 05
Cash, received of Charles S. Clark, superintendent of schools, damage to property, etc. . . . .	\$409 60
Sundry persons, tuition . . . . .	162 25
	<hr/>
	571 85
	<hr/>
	\$32,094 28

DEBIT.

(Expenditures.)

Cash, paid Charles S. Clark, salary as superintendent of schools . . . . .	\$3,166 67
disbursements . . . . .	280 62
Justin W. Lovett, assistant to superintendent . . . . .	1,300 00
Mary A. Clark, assistant . . . . .	747 60
Mildred A. Merrill, assistant . . . . .	600 00
Benjamin R. Jones, truant officer . . . . .	1,261 53
disbursements . . . . .	19 15
Jairus Mann, truant officer . . . . .	50 00
American Book Co., books . . . . .	1,587 40
Adams, Cushing & Foster, supplies . . . . .	1,356 25
Austin & Doten, supplies . . . . .	1 47
John A. Avery, disbursements . . . . .	24 22
	<hr/>
Amount carried forward . . . . .	\$10,394 91

Amount brought forward . . . . .	\$10,394 91
American Express Co., expressing . . . . .	3 29
Allyn & Bacon, books . . . . .	234 00
Allen, Doane & Co., supplies . . . . .	5 00
Andrews-Burr Paper Co., supplies . . . . .	4 65
D. Appleton & Co., books . . . . .	16 95
Acetylene Gas Illuminating Co., sup- plies . . . . .	2 00
Edward E. Babb & Co., books . . . . .	4,435 16
Barbour-Stockwell Co., supplies . . . . .	1 47
Milton Bradley Co., supplies . . . . .	404 15
Braman, Dow & Co., supplies . . . . .	6 11
Bumpus & Cook, supplies . . . . .	57 55
Baker School Specialty Co., repairing . . . . .	3 75
George I. Bowden, travel . . . . .	10 89
Caroline G. Baker, disbursements . . . . .	2 00
Elizabeth J. Baker, disbursements . . . . .	2 00
City of Boston, tuition . . . . .	747 84
C. C. Birchard & Co., books . . . . .	53 09
Brown-Durrell Co., supplies . . . . .	44 59
The Banks Press, printing . . . . .	2 50
F. J. Barnard & Co., re-binding . . . . .	863 03
Bausch & Lomb Optical Co., supplies . . . . .	8 32
Mary H. Brown, disbursements . . . . .	9 53
J. A. Bremner & Co., supplies . . . . .	6 30
C. C. Bowles & Co., sewing machine . . . . .	23 00
Chandler Shorthand Publishing Co., books . . . . .	129 74
Charities Publication Co., books . . . . .	3 75
Carter's Ink Co., supplies . . . . .	45 14
Chandler & Farquhar Co., supplies . . . . .	625 62
The Century Co., books . . . . .	1 31
Conant Brothers Co., supplies . . . . .	4 50
Cotter & Son, expressing . . . . .	23 75
Chickering & Son, rent of piano . . . . .	9 00
James H. Chase, services . . . . .	15 00
Custer's Orchestra, music . . . . .	25 00
C. M. Clark Publishing Co., books . . . . .	10 70
Central Scientific Co., supplies . . . . .	5 00
Clapp & Tilton, supplies . . . . .	18 98
E. T. Curtis Co., supplies . . . . .	124 79
George I. Canfield, census . . . . .	58 72
E. M. Drury, supplies . . . . .	20 25
A. L. Doe, travel . . . . .	1 08
Dodge, Haley & Co., supplies . . . . .	136 03
E. S. Daniels, repairing . . . . .	7 00
Mary E. Davis, services . . . . .	2 50
Davenport-Brown Co., supplies . . . . .	6 50
Derby Desk Co., supplies . . . . .	90
Dennison Mfg. Co., supplies . . . . .	16 01
Andrew Dutton, supplies . . . . .	2 25
Eimer & Amend, supplies . . . . .	315 11
Clara Z. Elliot, taking census . . . . .	39 30
Etta D. Ellsworth, disbursements . . . . .	2 00
Educational Publishing Co., books . . . . .	170 24
Electro Importing Co., supplies . . . . .	38 82
J. S. Emerson, disbursements . . . . .	20 27
J. H. Folkins Co., ink . . . . .	26 40

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Amount carried forward , , , , \$19,247 74

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Amount brought forward . . . . .	\$19,247 74
Benjamin F. Freeman, supplies . . . . .	13 00
Edwin Fitzgeorge, books . . . . .	1 00
F. C. Fuller & Co., supplies . . . . .	1 10
Frost & Adams Co., supplies . . . . .	295 19
Farley, Harvey & Co., supplies . . . . .	17 11
M. Abbott Fraser Co., supplies . . . . .	1 25
Ginn & Co., books . . . . .	2,481 11
Gilman Square Fish Market, supplies . . . . .	2 23
Gale-Sawyer Co., printing . . . . .	19 30
Gilman Express Co., expressing . . . . .	1 55
Glines & Co., expressing . . . . .	96 44
W. A. Greenough & Co., directories . . . . .	8 00
General Chemical Co., supplies . . . . .	75 13
Annie M. Gilcrease, taking census . . . . .	125 61
Charles F. Giles, supplies . . . . .	25 70
Hopkinson & Holden, supplies . . . . .	58 89
Mary A. Holt, disbursements . . . . .	2 15
Hill, Clarke & Co., supplies . . . . .	20 25
E. F. Hicks, catering . . . . .	100 00
Hill-Michie Co., automobile hire . . . . .	13 00
Health Education League, books . . . . .	1 75
J. L. Hammett Co., supplies . . . . .	326 40
William S. Howe, supplies . . . . .	8 35
J. B. Hunter Co., supplies . . . . .	698 86
Edw. A. Hart, repairing . . . . .	9 93
A. L. Haskell, printing . . . . .	46 25
Harvard University, books . . . . .	7 00
D. C. Heath & Co., books . . . . .	352 72
Houghton Mifflin Co., books . . . . .	47 92
Norman W. Henly Publishing Co., books . . . . .	2 25
J. W. Howard, supplies . . . . .	20 55
Ernest R. Hager, disbursements . . . . .	4 30
Harry F. Hathaway, travel . . . . .	1 91
S. Henry Hadley, music . . . . .	76 52
C. F. Hovey & Co., supplies . . . . .	9 30
Industrial Education Book Co., books . . . . .	5 00
International Time Recording Co., sup- plies . . . . .	5 05
Jordan Marsh Co., supplies . . . . .	169 23
Jaynes Drug Co., supplies . . . . .	11 03
S. A. Johnson, travel . . . . .	18 36
L. E. Knott Apparatus Co., supplies . . . . .	152 10
John Lane Co., books . . . . .	10 00
Little, Brown & Co., books . . . . .	28 89
E. L. Lovering, repairing . . . . .	26 00
Ledder & Probst, supplies . . . . .	89 23
D. J. Moynahan, carriage hire . . . . .	36 00
Charles E. Merrill Co., books . . . . .	98 76
Marden, Orth & Hastings, supplies . . . . .	7 15
Mitchell Mfg. Co., supplies . . . . .	28 80
Wesley A. Maynard, printing . . . . .	291 85
Middlesex County Truant School, board of truants . . . . .	548 72
"Machinery," books . . . . .	13 80
E. M. Morse, disbursements . . . . .	2 10
Amount carried forward . . . . .	<u>\$25,761 83</u>



Amount brought forward . . . . .	\$25,761 83
F. W. Martin Co., engrossing and printing . . . . .	226 35
First Methodist Church, use of edifice . . . . .	75 00
City of Medford, tuition . . . . .	30 00
Boston Mailing Co., addressing . . . . .	4 08
McKinley Publishing Co., maps . . . . .	14 20
Marine Biological Laboratory, supplies . . . . .	13 60
Frank K. Moore, supplies . . . . .	46 40
North Packing & Provision Co., supplies . . . . .	21 75
New England Telephone & Telegraph Co., service . . . . .	239 49
Neostyle Co., supplies . . . . .	181 60
New England Dressed Meat & Wool Co., supplies . . . . .	1 25
William H. Perry Co., supplies . . . . .	4 00
Oliver Typewriter Co., machines . . . . .	600 55
Isaac Pitman & Sons, books . . . . .	36 20
Parker & Page, supplies . . . . .	1 35
Palmer & Parker Co., supplies . . . . .	1 04
Charles P. Potter, services . . . . .	3 00
W. E. Plumer & Co., supplies . . . . .	150 65
Perkins Woodworking Co., supplies . . . . .	146 83
Rand & Byam, supplies . . . . .	2 15
Rand, McNally & Co., maps . . . . .	14 40
Remington Typewriter Co., repairing . . . . .	2 70
A. P. Rockwood, carriage hire . . . . .	2 00
Silver, Burdett & Co., books . . . . .	261 25
Smith-Premier Typewriter Co., supplies, . . . . .	221 60
Somerville Journal Co., printing . . . . .	1,143 63
Benjamin H. Sanborn & Co., books . . . . .	30 81
Schoenhof Book Co., books . . . . .	268 41
Charles Scribner's Sons, books . . . . .	10 70
Stuart-Howland Co., supplies . . . . .	92 30
P. Sutherland & Co., supplies . . . . .	12 50
William D. Sprague, disbursements . . . . .	5 00
Laurence A. Sprague, electric motor . . . . .	30 00
Suffolk Ink Co., supplies . . . . .	8 64
Shattuck & Jones, supplies . . . . .	3 15
School Board Journal, books . . . . .	1 00
S. M. Spencer Mfg. Co., supplies . . . . .	1 48
O. W. Short, services . . . . .	10 00
Arthur Steele, maps . . . . .	6 50
Stone & Forsyth, supplies . . . . .	11 93
Francis Supple, supplies . . . . .	14 50
Smith & McCance, books . . . . .	50
Somerville Automobile Co., chassis . . . . .	75 00
Mary C. Thurston, disbursements . . . . .	10 00
Thorpe & Martin Co., supplies . . . . .	7 35
J. H. Thompson, carriage hire . . . . .	5 00
Thorpe's Express, expressing . . . . .	1 20
The Thread Agency, supplies . . . . .	6 73
Richard H. Tincker, taking census . . . . .	41 48
Underwood Typewriter Co., machines and supplies . . . . .	114 50
Martin E. Vorce, books . . . . .	13 50
Whitney & Snow, supplies . . . . .	94 16
Amount carried forward . . . . .	<hr/> \$30,083 24

APPENDIX TO TREASURER AND COLLECTOR'S REPORT. 119

Amount brought forward . . . . .	\$30,083 24
Wadsworth, Howland & Co., supplies . . . . .	454 64
Wellington-Wild Coal Co., supplies . . . . .	2 73
F. S. Webster Co., supplies . . . . .	5 77
A. J. Wilkinson & Co., supplies . . . . .	24 57
John M. Woods & Co., supplies . . . . .	1,348 27
Winter Hill Press, printing . . . . .	21 49
M. J. Wendell, disbursements . . . . .	8 80
G. R. Willis & Co., printing . . . . .	25 50
Elizabeth M. Webster, taking census . . . . .	53 74
Wright & Ditson, supplies . . . . .	3 15
Yawman & Erbe Mfg. Co., supplies . . . . .	55 33

\$32,087 23

Central Library account, books lost . . . . . 7 05

\$32,094 28

**School Teachers' Salaries.**

CREDIT.

Appropriations, from Taxes, 1911 . . . . .	\$295,000 00
Excess and Deficiency account, balance transferred . . . . .	1,732 70

\$293,267 30

DEBIT.

(Expenditures.)

Cash, paid school teachers' salaries . . . . .	\$293,267 30
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**Public Buildings Department, Maintenance School Buildings.**

CREDIT.

Appropriations, from Taxes, 1911 . . . . .	\$62,000 00
Excess and Deficiency account, balance transferred . . . . .	2,930 71

\$64,930 71

Receipts:—

Cash, received of Walter T. Littlefield, telephone tolls . . . . .	\$82 30
old iron . . . . .	26 31
Sundry persons, use of ward rooms . . . . .	52 25
Sundry persons, damage to property . . . . .	15 14
G. W. Manning, money refunded . . . . .	5 00
Fay Bros. Co., old boiler . . . . .	10 00
Joseph Green, telephone . . . . .	1 10
Arthur L. Doe, teaming . . . . .	1 50
Barnet Kreisman, old iron . . . . .	1 00
Harlan P. Knight, flag . . . . .	3 25

\$197 85

\$65,128 56

DEBIT.

(Expenditures.)

Cash, paid janitors' salaries . . . . .	\$25,895 12
American Express Co., expressing . . . . .	4 05
Armstrong Bros., plumbing . . . . .	412 02
John H. Adcock, plumbing . . . . .	118 53
Thomas Allen, tar concrete . . . . .	581 50

Amount carried forward . . . . . \$27,017 22

Amount brought forward . . . . .	\$27,011 22
American Metal Polish Co., polish . . . . .	10 80
F. C. Ayer, lumber . . . . .	214 28
J. M. Andrews & Son, carpentering . . . . .	4 41
American School Board Journal, sub- scription . . . . .	1 00
Ashton Valve Co., bubblers . . . . .	4 05
William Allen Sons Co., mouthpiece for boiler . . . . .	8 00
American Steam Packing Co., packing . . . . .	6 98
H. W. Bursaw, oil . . . . .	29 72
J. F. Brown, repairing clocks . . . . .	6 50
Charles E. Berry, repairing . . . . .	1 92
Edward H. Barter, clocks . . . . .	18 00
Boston Varnish Co., paint . . . . .	24 00
Baker School Specialty Co., supplies . . . . .	166 07
Boston Feather Duster Co., dusters . . . . .	165 60
Blodgett Clock Co., repairing . . . . .	74 72
Bay State Belting Co., raw-hide lace . . . . .	2 45
A. & E. Burton Co., floor brushes. . . . .	38 00
Michael J. Bowdren, gardening . . . . .	139 88
J. A. Bremner & Co., painting . . . . .	240 00
George F. Blake Mfg. Co., springs . . . . .	85
Benjamin's Express, expressing . . . . .	95
Arthur W. Berry, carpentering . . . . .	20 45
Boulevard Auto Co., car hire . . . . .	20 00
H. L. Burnell, repairing lock . . . . .	60
Boston Belting Co., diaphragm . . . . .	55
Henry C. Bradford, evening janitor ser- vice . . . . .	1 00
Carlisle-Ayer Co., cellar sash . . . . .	85
L. E. Clayton, cheese cloth . . . . .	7 83
T. A. Cunningham, brushes . . . . .	9 50
Bernard S. Coddling, repairing clocks . . . . .	24 20
C. W. Cahalan, plumbing . . . . .	666 85
Cambridge Gas Light Co., gas . . . . .	840 99
Charlestown Gas & Electric Co., gas . . . . .	179 57
Cotter's Express, expressing . . . . .	8 35
Jackson Caldwell & Co., furniture . . . . .	206 85
Charles S. Clark, disbursements . . . . .	96
John W. Cremen, repairing furniture and weighing coal . . . . .	61 00
Commercial Chemical Co., dressing . . . . .	2 85
M. P. Canfield, labor on lawns . . . . .	37 00
Cudahy Packing Co., soap polish . . . . .	7 50
Continental Grate Co., repairing grates . . . . .	24 72
George W. Coombs, janitor evening school . . . . .	4 75
Davenport-Brown Co., woodwork . . . . .	64 97
J. H. Derby Co., repairing clock . . . . .	8 50
James Duncan, repairing chairs . . . . .	78 50
Derby Desk Co., oak rolls . . . . .	9 70
S. H. Davis Co., door checks . . . . .	59 84
R. W. Doe, repairing furnaces . . . . .	51 69
Thomas C. Dame, janitor evening school . . . . .	1 00
Edison Electric Illuminating Co., light- ing . . . . .	3,789 56
J. H. Edwards, repairing . . . . .	8 20
Amount carried forward . . . . .	<u>\$34,367 73</u>

APPENDIX TO TREASURER AND COLLECTOR'S REPORT. 121

Amount brought forward . . . . .	\$34,367 73
Electric Economy Co., electrical work . . . . .	52 12
F. C. Fuller & Co., hardware . . . . .	70 37
James H. Fannon, loam and concrete . . . . .	160 36
Fred W. Farrar, repairing clocks . . . . .	37 50
Walter W. Field & Son, machinery . . . . .	239 03
F. W. Foster & Sons, grate bars . . . . .	7 80
Federal Metallic Packing Co., packing . . . . .	3 35
Frank E. Fitts Mfg. and Supply Co., ash cans . . . . .	11 25
Eugene Girroir, labor . . . . .	326 80
Glines & Co., expressing . . . . .	49 01
General Electric Co., motor, etc. . . . .	196 50
Gas Consumers' Association, rental . . . . .	12 00
J. E. Grundy & Co., repairing pump . . . . .	8 50
Gilman Express Co., expressing . . . . .	1 95
Gray & Turner, insurance . . . . .	1,208 43
Gurney Heater Mfg. Co., piping . . . . .	67
Granulator Soap Co., soapitons . . . . .	15 00
A. C. Gordon, painting . . . . .	1 75
Walter J. Godfrey, painting . . . . .	148 71
Edgar O. Hunt, plumbing . . . . .	14 07
J. B. Hunter & Co., hardware . . . . .	64 49
Hinckley Rendering Co., soap powder . . . . .	36 22
J. J. Hurley & Co., repairing heating ap- paratus . . . . .	339 06
S. D. Hicks & Son, roofing . . . . .	816 75
Hercules Iron & Supply Co., plumbing supplies . . . . .	3 20
William S. Howe, galvanized pails . . . . .	9 95
William J. Hanson, plumbing . . . . .	13 17
Hosmer & Wedgwood, insurance . . . . .	7 50
Charles H. M. Hunnewell, plumbing . . . . .	22 30
Hodge Boiler Works, plates . . . . .	626 99
William Hall & Co., repairing . . . . .	75
Charles P. Horton, janitor evening school . . . . .	2 00
Frank O. Johnson, plumbing . . . . .	368 51
Johnson Service Co., repairing tempera- ture registers . . . . .	14 01
Jenkins Bros., valve . . . . .	1 35
Frank J. Jameson, sponges . . . . .	26 19
Iver Johnson Sporting Goods Co., bi- cycle holder . . . . .	2 40
H. James & Son, soft soap . . . . .	2 00
James Kenney, carpentering . . . . .	213 20
Kenney Bros. & Wolkins, furniture . . . . .	424 13
Knowles Steam Pump Works, machinery . . . . .	15 19
Catherine Kearney, sawdust . . . . .	20 80
Clara M. Kenney, cleaning . . . . .	213 37
Knott & Co., electrical work . . . . .	515 66
E. & F. King & Co., soda ash . . . . .	28 73
J. A. Kiley, repairing . . . . .	7 25
E. S. Kearney Co., sawdust . . . . .	17 50
John H. Kelley, reimbursement . . . . .	20 00
Howard Lowell & Son, board of horse and clipping . . . . .	319 60
C. A. Legallee, plumbing . . . . .	1 95
Amount carried forward . . . . .	<u>\$41,087 12</u>



Amount brought forward . . . . .	\$41,087 12
S. P. Larsen, roofing . . . . .	171 95
John Lingard, painting . . . . .	563 28
Leavis & Doherty, plumbing . . . . .	273 67
Walter T. Littlefield, reimbursement and mileage of automobile . . . . .	217 00
T. E. Littlefield, sheathing . . . . .	6 49
George W. Ladd, jobbing . . . . .	65
Arthur D. Little, preparing coal speci- fications . . . . .	60 60
J. E. Locatelli & Co., tearing down shed, etc. . . . .	545 95
P. S. Lynch, repairing ventilator . . . . .	4 70
William Leavens & Co., furniture . . . . .	76 20
John Lane, evening school janitor . . . . .	1 00
E. C. Lundgren, evening school janitor . . . . .	2 00
George McDormand, shoeing . . . . .	8 75
A. M. Morton & Co., piping . . . . .	3 73
George W. Manning, work on flag staffs . . . . .	82 00
George F. McKenna & Son, teaming . . . . .	347 75
B. L. Makepeace, blue prints . . . . .	17 16
J. E. L. McLean, carpentering . . . . .	549 40
Charles F. Mills, carpentering . . . . .	419 90
F. W. Merrill, electrical work . . . . .	42 30
C. W. H. Moulton Co., brooms and sup- plies . . . . .	93 00
McKenney & Waterbury Co., electrical supplies . . . . .	15 87
Martin & Wood, keys . . . . .	39 15
William J. McCarthy, labor and stone . . . . .	320 00
William Meskill, repairing furniture . . . . .	24 50
Daniel McIntire, gardening . . . . .	53 10
Massachusetts Metal Polish Co., polish . . . . .	4 20
Martin Bros., carpentering . . . . .	98 62
H. F. Maynard, bags . . . . .	2 38
Arthur T. McGilvrey, electrical work . . . . .	8 20
Norton Door Check Co., repairing door- check . . . . .	1 30
New England Telephone & Telegraph Co., service . . . . .	565 57
Nashua Machine Co., valves . . . . .	2 56
N. D. B. Co., electrical work . . . . .	11 60
James W. O'Neil, plumbing . . . . .	9 11
Patrick J. O'Neil, gardening . . . . .	9 75
John O'Brien, inspecting weighing of coal . . . . .	22 00
John F. O'Brien, evening school janitor . . . . .	3 00
Pittsburg Plate Glass Co., glass . . . . .	161 03
A. W. Phillips, brick work . . . . .	348 88
W. E. Plumer & Co., hardware . . . . .	86 49
Perkins Woodworking Co., woodwork . . . . .	208 43
Priest, Page & Co., proportional part of platform . . . . .	50 00
Perham's Express, expressing . . . . .	1 20
Othniel M. Pote, evening school janitor, Roberts Iron Works Co., repairing plates . . . . .	3 00
George L. Robinson, glazing . . . . .	134 06
F. M. Rogers & Co., whitening . . . . .	526 17
	182 00
Amount carried forward . . . . .	\$47,466 77

APPENDIX TO TREASURER AND COLLECTOR'S REPORT. 123

Amount brought forward . . . . .	\$47,466 77
A. G. Renner, expressing . . . . .	2 35
Albert Rich, janitor's service . . . . .	59 00
James W. Rich, janitor's service . . . . .	8 00
E. S. Sparrow & Co., hardware . . . . .	122 72
Shepard, Clark Co., brushes . . . . .	125 50
P. Sutherland & Co., metal polish . . . . .	89 92
Standard Charcoal Co., charcoal . . . . .	24 00
W. A. Snow Iron Works, supplies . . . . .	47 40
Daniel L. Shepard, mason work . . . . .	504 81
John Shea, labor . . . . .	34 00
Sullivan's Somerville & Boston Express Co., expressing . . . . .	25
S. M. Spencer Mfg. Co., brass tags, etc., . . . . .	3 79
James Simpson, Jr., teaming . . . . .	5 00
John J. Shea, evening school janitor . . . . .	1 00
W. A. Thompson & Co., gas tubing . . . . .	54 64
Harry Tobin, horseshoeing . . . . .	6 25
R. P. Tiltman, janitor's service . . . . .	50 00
Turner Asbestos Co., pipe covering . . . . .	31 00
Charles L. Underhill, repairing . . . . .	6 75
Underhill Hardware Co., hardware . . . . .	137 41
William J. Wiley, ash barrels . . . . .	34 48
H. G. White Co., electrical work . . . . .	325 90
Asahel Wheeler Co., paints . . . . .	52 16
Henry A. Wheeler Co., ensigns . . . . .	134 48
H. W. Waite & Co., disinfectant . . . . .	243 48
Wellington-Wild Coal Co., coal . . . . .	14,831 35
Arthur W. Walker, repairing clocks . . . . .	9 75
Whitney & Snow, hardware . . . . .	175 31
Mrs. M. J. Whitney, mending flags . . . . .	14 00
Walker & Pratt Mfg. Co., chain clips . . . . .	40
West Disinfecting Co., disinfectant . . . . .	15 00
Westinghouse Electric & Mfg. Co., machinery . . . . .	138 31
Waldo Brothers, clay and brick . . . . .	37 60
Walsh Brothers, spraying trees . . . . .	95 00
Frederick B. Witherly, grates . . . . .	10 83
Charles A. G. Winther, washers, etc. . . . .	5 04
A. Worthylake & Co., papering . . . . .	175 00
Yeaman's Express Co., expressing . . . . .	35

\$65,079 50

Water Maintenance account, stock and labor . . . . .	49 06
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\$65,128 56

**Public Buildings Construction, Bennett School Addition.**

CREDIT.

Balance from 1910 . . . . .	\$990 00
Building Public Buildings account, amount transferred . . . . .	1,000 00

\$1,990 00

Balance to credit of account, 1912 . . . . .	1,190 00
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\$800 00

DEBIT.

(Expenditures.)

Cash, paid William Williams and Joseph A. Tower, settle- ment of claims for damages taking estate . . . . .	\$800 00
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\$800 00

**Public Buildings Construction, Burns School Addition.**

CREDIT.	
Balance from 1910 . . . . .	\$778 00
Balance to credit of account, 1912 . . . . .	778 00
	<u>1,556 00</u>

**Public Buildings Construction, Martin W. Carr School Land Addition.**

CREDIT.	
Balance from 1910 . . . . .	\$5,293 55
Building Public Buildings account, amount transferred . . . . .	1,816 45
	<u>7,110 00</u>

DEBIT.	
(Expenditures.)	
Cash, paid E. A. Binney, appraising land . . . . .	\$5 00
Cornelius F. Keiley, settlement of claims for damages to estate . . . . .	3,450 00
Abby E. Taylor, settlement of claims for damages to estate . . . . .	3,655 00
	<u>7,110 00</u>

**Public Buildings Construction, Davis School Vocational Equipment.**

CREDIT.	
Balance from 1910 . . . . .	\$3,751 07
Building Public Buildings account, balance returned . . . . .	16 50
	<u>3,767 57</u>

DEBIT.	
(Expenditures.)	
Cash, paid Chandler & Farquhar Co., machinery, etc. . . . .	<u>3,734 57</u>

**Public Buildings Construction, William H. Hodgkins School Addition.**

CREDIT.	
Balance from 1910 . . . . .	\$7,980 55
Building Public Buildings account, amount transferred . . . . .	1,000 00
	<u>8,980 55</u>
Balance to credit of account, 1912 . . . . .	5,029 85
	<u>14,010 40</u>

DEBIT.	
(Expenditures.)	
Cash, paid William J. McCarthy Co., labor and teaming . . . . .	\$142 25
W. A. Snow Iron Works, constructing fence . . . . .	536 00
Abbie P. Simpson, consideration for conveyance of land . . . . .	3,272 45
	<u>3,950 70</u>

**Industrial School for Girls.**

CREDIT.

Building Public Buildings account, amount transferred . . . . .	\$1,400 00
Lowell Street Bridges account, amount transferred . . . . .	1,400 00
	<hr/>
	\$2,800 00
Balance to credit of account, 1912 . . . . .	162 28
	<hr/>
	\$2,637 72

DEBIT.

(Expenditures.)

Cash, paid C. W. Cahalan, installing plumbing service . . . . .	\$728 54
Cambridge Gas Light Co., service pipe . . . . .	10 50
Walter J. Godfrey, painting . . . . .	223 86
John Kennedy, plastering . . . . .	243 55
J. E. L. McLean, carpentering . . . . .	1,000 00
A. F. McMillan, work on furnace . . . . .	136 27
W. A. Thompson & Co., gas range . . . . .	14 00
H. G. White Co., electrical work . . . . .	281 00
	<hr/>
	\$2,637 72

**Schoolhouse in Ward Seven.**

CREDIT.

Balance from 1910 . . . . .	\$31,992 55
Building Public Buildings account, amount transferred . . . . .	46,000 00
	<hr/>
	\$77,992 55
Balance to credit of account, 1912 . . . . .	50,302 52
	<hr/>
	\$27,690 03

DEBIT.

(Expenditures.)

Cash, paid Hollis R. Bailey, Trustee, settlement of claim for damages to estate . . . . .	\$4,267 75
taxes on estate conveyed to city . . . . .	65 69
Boston Blue Print Co., prints . . . . .	4 04
Gilman D. Colman, settlement of claim for taking land and buildings . . . . .	5,250 00
Alice I. Crawford, copying specifications, . . . . .	22 50
W. J. Dobinson, drawings . . . . .	5 40
Globe Newspaper Co., advertising . . . . .	34 20
Boston Herald, advertising . . . . .	22 00
Norris E. Hadley, settlement of claim for taking of land . . . . .	1,350 00
Sven A. Johnson and Clifton A. Kennedy, settlement for taking of land . . . . .	1,250 00
Philip J. McGrath, taking of land . . . . .	2,441 25
Wesley A. Maynard, advertising . . . . .	3 75
B. L. Makepeace, blue prints . . . . .	10 07
A. B. Murdock, on account of construction of schoolhouse . . . . .	8,589 28
The Boston Post, advertising . . . . .	39 60
E. S. Runyan, pencil perspective . . . . .	25 00
Somerville Journal Co., advertising . . . . .	5 25
Orville S. Waldron, taking of land . . . . .	4,304 25
	<hr/>
	\$27,690 03



**Public Buildings Construction, Schoolhouses, Additional Window Space.**

## CREDIT.

Balance from 1912 . . . . .	\$1,900 00
Balance to credit of account, 1912 . . . . .	404 46
	<hr/>
	\$1,495 54

## DEBIT.

## (Expenditures.)

Cash, paid J. M. Andrews & Son, carpentering . . . . .	\$59 30
Jackson Caldwell & Co., window shades . . . . .	27 00
Thomas Dowd, plastering . . . . .	84 00
G. M. Davis & Son, mason work . . . . .	45 05
House Cleaning Co., cleaning . . . . .	36 00
John Lingard, painting, etc. . . . .	40 75
D. L. Shepard & Co., on account of contract . . . . .	842 44
Trueman H. Thorpe, carpentering . . . . .	361 00
	<hr/>
	\$1,495 54

## LIBRARIES.

## Central Library.

## CREDIT.

Appropriations, from Taxes, 1911 . . . . .	\$17,000 00
County of Middlesex, dog licenses . . . . .	3,949 82
	<hr/>
	\$20,949 82

Stock and labor billed other departments:—

School Contingent account, books lost . . . . .	7 05
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Receipts:—

Cash, received of librarians:—

books . . . . .	\$53 31
finer . . . . .	829 57
telephone tolls . . . . .	12 27

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895 15

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\$21,852 02

## DEBIT.

## (Expenditures.)

Cash, paid Sam Walter Foss, salary as librarian . . . . .	\$416 66
Drew B. Hall, salary as librarian . . . . .	1,553 35
disbursements . . . . .	29 91
Nellie M. Whipple, assistant librarian . . . . .	841 66
Esther Mayhew, cataloguer . . . . .	700 00
disbursements . . . . .	6 61
Edith B. Hayes, assistant cataloguer . . . . .	641 68
Anna L. Stone, assistant . . . . .	650 00
Mabel E. Bunker, assistant . . . . .	734 80
Mary S. Woodman, assistant . . . . .	650 00
Bessie L. Duddy, assistant . . . . .	641 68
disbursements . . . . .	6 61
	<hr/>
Amount carried forward . . . . .	\$6,872 96

Amount brought forward . . . . .	\$6,872 96
A. Myrtle Merrill, assistant . . . . .	575 01
disbursements . . . . .	6 33
Ruby G. White, assistant . . . . .	366 68
A. Lisette Parker, assistant . . . . .	291 66
Helen Spear, assistant . . . . .	249 96
Myrtle Nicholson, assistant . . . . .	208 26
Zoe E. Nelson, assistant . . . . .	208 26
Edgar L. Kauler, assistant . . . . .	190 95
Harry B. Benson, assistant . . . . .	36 20
Oscar H. Cedarlund, assistant . . . . .	107 60
Richard Barlow, assistant . . . . .	91 65
W. Dale Barker, assistant . . . . .	16 10
Dudley F. Holden, assistant . . . . .	50 95
William Mullaney, assistant . . . . .	36 00
Thomas A. West, disbursements . . . . .	31 60
William Abbott, periodicals . . . . .	20 95
American Express Co., expressing . . . . .	42 39
American Library Association, member- ship . . . . .	5 00
A. L. A. Publishing Board, periodicals . . . . .	16 25
American Political Science Association, periodicals . . . . .	3 00
D. Appleton & Co., books . . . . .	13 25
Frank W. Atwood, supplies . . . . .	4 00
American Educational Co., book . . . . .	3 50
Robert Appleton Co., books . . . . .	12 00
John R. Anderson Co., book . . . . .	85
Annual Review Publishing Co., books . . . . .	3 75
A. R. Andrews, supplies . . . . .	3 00
American School of Home Economics, books . . . . .	40 50
American Academy of Political and So- cial Science, periodical . . . . .	5 00
N. J. Bartlett, books . . . . .	42 58
Harry B. Benson, express . . . . .	17 10
S. R. H. Biggs, books . . . . .	1 00
Stanley M. Bowlby, express . . . . .	40 50
George T. Bailey, periodicals . . . . .	17 19
Boston Book Co., books . . . . .	19 81
"Boston 1915," periodical . . . . .	80
Boston Music Co., music books . . . . .	5 04
C. Bowen, moving safe . . . . .	12 00
Brown's Express, expressing . . . . .	80
R. R. Bowker Co., books . . . . .	5 00
Edward E. Babb & Co., books . . . . .	41 54
Richard Barlow, express . . . . .	9 60
Chivers Book Binding Co., books . . . . .	62 40
Arthur H. Clark Co., books . . . . .	2 00
W. B. Clarke Co., books . . . . .	177 23
College Bindery, binding . . . . .	718 82
James Clarke & Co., books . . . . .	12 00
Cambridge University Press, books . . . . .	103 25
Oscar Cedarlund, express . . . . .	6 75
T. H. Castor & Co., books . . . . .	82 26
George F. Cram, books . . . . .	7 50
Carter, Rice & Co., stationery . . . . .	1 46
John M. Chandler & Co., framing pic- tures . . . . .	78 11
Amount carried forward . . . . .	<u>\$10,978 35</u>

Amount brought forward . . . . .	\$10,978 35
Cambridge Ice Co., ice . . . . .	14 10
Desmond Publishing Co., books . . . . .	43 92
DeWolfe, Fiske Co., books . . . . .	4,229 31
Oliver Ditson Co., music books . . . . .	9 20
Dodd & Livingston, book . . . . .	8 28
Dennison Mfg. Co., supplies . . . . .	3 52
Davenport-Brown Co., furniture . . . . .	188 26
Edison Electric Illuminating Co., elec- tric fans . . . . .	19 00
Fitzherbert & Wing, periodicals . . . . .	26 20
Thomas T. Fryer, books . . . . .	5 50
David Farquhar, binding . . . . .	1,225 08
Frost & Adams Co., supplies . . . . .	5 17
Joseph Fels Fund of America, books . . . . .	6 00
Forest Press, books . . . . .	7 34
Franklin Institute, periodical . . . . .	3 75
Gaylord Brothers, supplies . . . . .	4 16
W. M. Gibbs, books . . . . .	2 50
Glines & Co., expressing . . . . .	17 55
Herman Goldberger, periodicals . . . . .	519 41
Thomas Groom & Co., stationery . . . . .	121 76
Gilman Express Co., expressing . . . . .	45 91
W. A. Greenough & Co., directories . . . . .	12 00
Goodspeed's Book Shop, books . . . . .	48 25
Globe Stamp Works, supplies . . . . .	15 77
S. Henry Hadley, music books . . . . .	33
L. A. E. Harding, agency . . . . .	31 04
Heaton's Agency, books . . . . .	1 25
B. W. Huebsch, books . . . . .	1 50
H. R. Huntting Co., books . . . . .	163 38
Hinds, Noble & Eldredge, books . . . . .	1 60
R. H. Hinckley Co., books . . . . .	30 00
J. L. Hammett Co., books . . . . .	55 26
Houghton Mifflin Co., books . . . . .	26 25
Harvard Co-operative Society, books . . . . .	6 54
Caroline L. Himebaugh, books . . . . .	6 50
Interest Text-Book Co., books . . . . .	13 33
Jordan Marsh Co., suit case . . . . .	5 00
Library Bureau, periodicals . . . . .	63 38
Little, Brown & Co., books . . . . .	33 30
Charles E. Lauriat Co., books . . . . .	14 35
Charles M. Lamprey, cards . . . . .	1 96
Library of Congress, cards . . . . .	50 00
Lothrop, Lee & Shepard Co., books . . . . .	6 30
John Lane Co., periodical . . . . .	50
George E. Littlefield, books . . . . .	11 65
Louisville Free Public Library, printing, Henry Malkan, books . . . . .	8 40
Massachusetts Magazine, periodical . . . . .	23 70
Harry B. Metcalf, books . . . . .	2 50
Harry B. Metcalf, books . . . . .	1 00
Medford Historical Society, periodical . . . . .	1 00
McDevitt-Wilson Bargain Book Shop, books . . . . .	249 12
Mosler Safe Co., safe . . . . .	112 50
Marshall Son & Co., supplies . . . . .	2 25
James H. Matthews & Co., supplies . . . . .	9 00
Macmillan Co., books . . . . .	13 82
Amount carried forward . . . . .	<u>\$18,507 00</u>

APPENDIX TO TREASURER AND COLLECTOR'S REPORT. 129

Amount brought forward . . . . .	\$18,507 00
Wesley A. Maynard, printing . . . . .	3 25
Moody Manual Co., books . . . . .	12 00
McGrow, Hill Book Co., books . . . . .	4 50
Mississippi Valley Historical Association, periodical . . . . .	2 00
National Municipal League, books . . . . .	10 00
New England Telephone & Telegraph Co., service . . . . .	49 77
National Education Association, periodical . . . . .	2 00
Thomas Nelson & Sons, book . . . . .	1 27
Neostyle Co., supplies . . . . .	2 25
New England Stamp Co., book . . . . .	4 00
New England Historical Genealogical Society, periodical . . . . .	5 00
Old Corner Book Store, books . . . . .	79 63
Observer Publishing Co., book . . . . .	2 25
Office, Bank & Library Co., keys . . . . .	1 20
Oliver Typewriter Co., supplies . . . . .	1 24
Arthur W. Phillips, expressing . . . . .	6 95
Poor's Manual Co., books . . . . .	17 50
Publishers' Weekly, books . . . . .	18 00
Perham's Express, expressing . . . . .	1 50
Prince Society, book . . . . .	5 00
Pearson & Marsh, books . . . . .	44 96
Augustus G. Parker, books . . . . .	3 50
G. P. Putnam's Sons, books . . . . .	2 25
The Prang Co., books . . . . .	29 66
Harry J. Ramsey, agency . . . . .	240 00
Ritter & Flebbe, books . . . . .	100 17
William Rademalkers, book . . . . .	8 00
Review of Reviews Co., book . . . . .	29 45
Stone & Forsyth, supplies . . . . .	6 85
Schoenhof Book Co., books . . . . .	69 25
Charles Scribner's Sons, books . . . . .	22 30
A. Storrs & Bement, supplies . . . . .	1 30
Superintendent Public Documents, periodical . . . . .	3 00
Somerville Journal Co., printing . . . . .	543 20
P. B. Sanford Co., binding . . . . .	97 75
Smith-Premier Typewriter Co., supplies . . . . .	4 25
Sampson & Murdock Co., directory . . . . .	6 00
Somerville Post-office, envelopes . . . . .	47 46
C. W. Thompson & Co., books . . . . .	712 11
Thorpe's Express, expressing . . . . .	5 60
John Towers, books . . . . .	3 50
Topsfield Historical Society, books . . . . .	42
University of Chicago, periodical . . . . .	6 67
M. L. Vinal, agency . . . . .	81 64
Vaughn Publishing Co., books . . . . .	5 40
Williamis & Neiley, printing . . . . .	69 25
H. W. Wilson Co., periodicals . . . . .	113 33
Louis N. Wilson, books . . . . .	2 50
Helen M. Winslow, books . . . . .	1 50
Woman's Journal, periodical . . . . .	3 75
L. A. Wells, binding . . . . .	745 08
Amount carried forward . . . . .	<u>\$21,746 41</u>



Amount brought forward . . . . .	\$21,746 41	
Webcowit Press, printing . . . . .	18 00	
Samuel Ward Co., stationery . . . . .	5 00	
Albert F. Ward, periodical . . . . .	11 46	
Winter Hill Press, printing . . . . .	7 10	
Young Folks' Educational League, books . . . . .	48 75	
Yale University Press, books . . . . .	14 05	
Zion's Herald, periodical . . . . .	1 25	
		<u>\$21,852 02</u>

### Public Buildings Department, Maintenance Central Library.

#### CREDIT.

Appropriations, from Taxes, 1911 . . . . .	\$3,700 00
City Clerk's Department, Vital Statistics account, amount transferred . . . . .	200 00
	<u>\$3,900 00</u>
Excess and Deficiency account, balance transferred . . . . .	117 81
	<u>\$3,782 19</u>

#### DEBIT.

#### (Expenditures.)

Cash, paid janitors' salaries . . . . .	\$1,060 00
H. W. Bursaw, oil . . . . .	08
Cambridge Gas Light Co., gas . . . . .	42 16
Jackson Caldwell & Co., furnishings . . . . .	46 00
Cotter's Express, expressing . . . . .	30
Derby & Co., repairing clock . . . . .	1 50
James Duncan, re-seating chairs . . . . .	6 25
J. H. Edwards, clamps . . . . .	1 00
Edison Electric Illuminating Co., light- ing . . . . .	915 47
James H. Fannon, constructing walk . . . . .	215 39
Fred W. Farrar, repairing clocks . . . . .	4 00
Frank E. Fitts Mfg. & Supply Co., ash cans . . . . .	6 75
Glines & Co., expressing . . . . .	25
Eugene Girroir, labor . . . . .	38 00
J. J. Hurley & Co., installing radiators . . . . .	152 60
James Harper & Co., repairing desk . . . . .	3 50
Frank O. Johnson, plumbing . . . . .	7 20
Kimball Sales Co., water cooler . . . . .	9 45
Knott & Co., electrical work . . . . .	8 45
Charles F. Mills, carpentering . . . . .	3 80
J. Edward L. McLean, carpentering . . . . .	69 60
Arthur T. McGilvrey & Co., electrical work . . . . .	90
George A. McGunnigle, janitor's service . . . . .	21 25
N. D. B. Co., electrical work . . . . .	3 15
Pittsburg Plate Glass Co., glass . . . . .	1 54
A. W. Phillips, plastering . . . . .	11 50
George L. Robinson, glazing, etc. . . . .	15 97
F. M. Rogers & Co., painting . . . . .	546 00
C. A. Southwick, labor . . . . .	22 00
E. S. Sparrow & Co., fertilizer . . . . .	4 50
Underhill Hardware Co., hardware . . . . .	5 10
	<u>\$3,223 66</u>
Amount carried forward . . . . .	\$3,223 66

APPENDIX TO TREASURER AND COLLECTOR'S REPORT. 131

Amount brought forward . . . . .	\$3,223 66	
Wellington-Wild Coal Co., coal . . . . .	519 08	
H. G. White Co., electrical work . . . . .	1 90	
Henry A. Wheeler & Co., re-covering awnings . . . . .	22 75	
	<hr/>	
	\$3,767.39	
Water Maintenance account, cleaning pipe	14 80	\$3,782 19
	<hr/>	<hr/>

**West Somerville Branch Library.**

CREDIT.

Appropriations, from Taxes, 1911 . . . . .		\$5,000 00
Receipts:—		
Cash, received of librarians:—		
books . . . . .	\$12 85	
fines . . . . .	485 53	
telephone tolls . . . . .	3 15	
	<hr/>	501 53
		<hr/>
		\$5,501 53

DEBIT.

(Expenditures.)

Cash, paid Alice W. Sears, branch librarian disbursements . . . . .	\$741 66
Ethel M. Nute, assistant . . . . .	6 03
Bessie S. Cobb, assistant . . . . .	466 64
Ruth Fales, assistant . . . . .	366 68
Ruth Fales, assistant . . . . .	208 26
Mary L. Foss, assistant . . . . .	39 76
Annie Currie, assistant . . . . .	37 43
Hazel Macy, assistant . . . . .	6 08
Ronald Moore, assistant . . . . .	98 30
Harold Currie, assistant . . . . .	31 05
George Ward, assistant . . . . .	7 85
Sumner Catlin, assistant . . . . .	4 55
American School of Home Economics, book . . . . .	9 50
American Express Co., expressing . . . . .	2 22
John R. Anderson Co., books . . . . .	3 50
N. J. Bartlett & Co., book . . . . .	2 50
Chivers Book Binding Co., books . . . . .	2 76
W. B. Clarke Co., books . . . . .	145 41
College Bindery, binding . . . . .	105 73
Harold Currie, expressing . . . . .	21 00
Cambridge Ice Co., ice . . . . .	6 56
Carter, Rice & Co., supplies . . . . .	2 75
DeWolfe, Fiske & Co., books . . . . .	1,542 34
Dennison Mfg. Co., supplies . . . . .	1 44
Dodd, Mead & Co., books . . . . .	90 00
David Farquhar, binding . . . . .	281 11
Gaylord Bros., supplies . . . . .	8 40
Thomas Groom & Co., stationery . . . . .	19 53
Herman Goldberger, periodical . . . . .	292 15
W. A. Greenough & Co., directories . . . . .	8 00
Globe Stamp Works, supplies . . . . .	30
J. L. Hammett Co., books . . . . .	6 25
H. R. Hunting Co., books . . . . .	96 93
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Amount carried forward . . . . .	\$4,662 67

Amount brought forward . . . . .	\$4,662 67	
Houghton Mifflin Co., books . . . . .	33 25	
Neil Morrow Ladd Book Co., books . . . . .	3 10	
Library Bureau, periodicals, etc. . . . .	23 35	
Lothrop, Lee & Shepard Co., books . . . . .	4 50	
Marshall Son & Co., supplies . . . . .	1 50	
Ronald Moore, express . . . . .	4 05	
Wesley A. Maynard, printing . . . . .	6 00	
McDevitt-Wilson Bargain Book Shop, books . . . . .	5 75	
New England Telephone & Telegraph Co., service . . . . .	26 82	
New Fiction Library Co., books . . . . .	9 45	
Old Corner Book Store, books . . . . .	30 26	
The Prang Co., books . . . . .	13 24	
Pearson & Marsh, books . . . . .	31 50	
Ritter & Flebbe, books . . . . .	20 00	
Theodore E. Schulte, books . . . . .	6 00	
Leslie H. Steele Co., periodicals . . . . .	37 28	
Sampson & Murdock Co., directory . . . . .	6 00	
Standard Oil Co., lamps . . . . .	7 00	
Short Ballot Organization, books . . . . .	5 00	
Simplex Electric Heating Co., furnish- ings . . . . .	5 63	
C. W. Thompson & Co., music books . . . . .	214 74	
L. A. Wells, binding . . . . .	296 54	
H. W. Wilson Co., books . . . . .	9 80	
George Ward, express . . . . .	8 10	
West Somerville Post-office, post-card forms . . . . .	30 00	
		<u>\$5,501 53</u>

**Public Buildings Department, Maintenance  
West Somerville Branch Library.**

CREDIT.

Appropriations, from Taxes, 1911 . . . . .	\$1,750 00
Excess and Deficiency account, balance transferred . . . . .	109 26
	<u>\$1,640 74</u>

DEBIT.

(Expenditures.)

Cash, paid janitors' salaries . . . . .	\$752 00
M. P. Canfield, labor on lawns . . . . .	33 00
Edison Electric Illuminating Co., light- ing . . . . .	553 10
installing underground service . . . . .	74 07
McKenney & Waterbury Co., electric supplies . . . . .	1 50
E. S. Sparrow & Co., hardware . . . . .	11 70
Wellington-Wild Coal Co., coal . . . . .	210 37
Walsh Brothers, spraying trees . . . . .	5 00
	<u>\$1,640 74</u>

**Ward One Branch Library.**

CREDIT.

Lowell Street Bridges account, amount transferred . . . . .	\$1,000 00
Balance to credit of account, 1912 . . . . .	132 72
	<u>\$867 28</u>

DEBIT.

(Expenditures.)

Cash, paid J. M. Andrews & Son, carpentering . . . . .	\$109 73	
DeWolfe, Fiske & Co., books . . . . .	90 65	
Frank E. Fitts Mfg. & Supply Co., ash cans . . . . .	6 75	
Herman Goldberger, periodicals . . . . .	104 70	
John Lingard, painting . . . . .	87 75	
F. W. Leeman, window shades . . . . .	16 50	
Daniel L. Shepard, carpentering . . . . .	86 20	
C. H. Sanborn, installing heating system, . . . . .	365 00	
		\$867 28

**Union Square Branch Library.**

CREDIT.

Lowell Street Bridges account, amount transferred . . . . .	\$1,000 00	
Balance to credit of account, 1912 . . . . .	815 55	
		\$184 45

DEBIT.

(Expenditures.)

Cash, paid DeWolfe, Fiske & Co., books . . . . .	\$78 70	
Dodd, Mead & Co., books . . . . .	90 00	
Pearson & Marsh, books . . . . .	15 75	
		\$184 45

**Public Library, Trust Funds.**

CREDIT.

Isaac Pitman Fund, Art . . . . .	\$4,251 66	
Isaac Pitman Fund, Poetry . . . . .	1,062 92	
Frances A. Wilder Children's Department Fund . . . . .	100 00	
Martha R. Hunt Fund, Art . . . . .	3,000 00	
Martha R. Hunt Fund, Books . . . . .	12,000 00	
		\$20,414 58
Balance to credit of account, 1912 . . . . .	20,414 58	

**Public Library, Trust Funds, Investment.**

CREDIT.

Balance to debit of account, 1912 . . . . .	\$20,414 58	
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DEBIT.

Isaac Pitman Fund, Art . . . . .	\$4,251 66	
Isaac Pitman Fund, Poetry . . . . .	1,062 92	
Frances A. Wilder Children's Department Fund . . . . .	100 00	
Martha R. Hunt Fund, Art . . . . .	3,000 00	
Martha R. Hunt Fund, Books . . . . .	12,000 00	
		\$20,414 58



**Public Library, Trust Funds, Income.**

CREDIT.	
Balance from 1910 . . . . .	\$218 39
Cash, income from invested funds:—	
Isaac Pitman Fund, Art . . . . .	\$170 14
Isaac Pitman Fund, Poetry . . . . .	42 54
Martha R. Hunt Fund, Art . . . . .	52 50
Martha R. Hunt Fund, Books . . . . .	447 00
	712 18
	\$930 57
Balance to credit of account, 1912 . . . . .	873 20
	\$57 37

DEBIT.	
(Expenditures.)	
Isaac Pitman Fund, Art:—	
Cash, paid DeWolfe, Fiske & Co., books . . . . .	\$1 08
Thomas T. Fryer, books . . . . .	9 00
Charles E. Lauriat Co., book . . . . .	15 00
Library Art Club, pictures . . . . .	6 00
Henry Malkan, book . . . . .	1 62
Perry Pictures Co., pictures . . . . .	4 55
C. F. Randall, stereographs . . . . .	16 70
Horace K. Turner Co., books . . . . .	3 42
	\$57 37

**RECREATION.****Engineering Department, Parks Maintenance.**

CREDIT.	
Appropriations, from Taxes, 1911 . . . . .	\$7,900 00
Excess and Deficiency account, balance transferred . . . . .	25
	\$7,899 75
Stock and labor billed other departments:—	
Sewers Construction account, labor and teaming . . . . .	\$100 00
Engineering Department, Playgrounds Maintenance account, labor . . . . .	125 00
	225 00
Receipts:—	
Cash, received of Boston Elevated Railway Co., part maintenance of Broadway parkway . . . . .	50 00
	\$8,174 75

DEBIT.	
(Expenditures.)	
Cash, paid laborers . . . . .	\$4,912 12
Thomas Allen, re-dressing concrete walks . . . . .	264 90
F. C. Ayer, lumber . . . . .	106 08
D. J. Bennett, brooms . . . . .	3 75
Charles E. Berry, repairing mower . . . . .	19 58
	\$5,306 43
Amount carried forward . . . . .	\$5,306 43

Amount brought forward . . . . .	\$5,306 43	
Broad Gauge Iron Works, gilded balls . . . . .	9 00	
Joseph Breck & Sons, horse lawn mower . . . . .	95 00	
Barrett Mfg. Co., tarvia . . . . .	131 70	
J. A. Durell, supplies . . . . .	3 95	
Edison Electric Illuminating Co., lighting . . . . .	6 53	
J. H. Edwards, wrench . . . . .	2 00	
F. C. Fuller & Co., bolts . . . . .	47 83	
Fellows & Co., step ladder . . . . .	4 80	
E. Goodwin, painting automobile . . . . .	45 00	
Eugene Girroir, labor . . . . .	4 00	
Gilman's Express, expressing . . . . .	2 00	
Hemeon Bros., labor . . . . .	80 96	
J. W. Howard, plants . . . . .	863 00	
William S. Howe, iron pipe and labor . . . . .	2 75	
Ideal Supply Co., plumbing supplies . . . . .	17 07	
George W. Ladd, jobbing . . . . .	90	
C. H. Manzer, settee slabs . . . . .	28 18	
George W. Manning, labor . . . . .	79 25	
Charles F. Mills, cart body and labor . . . . .	27 60	
Martin & Wood, sharpening . . . . .	22 85	
Walter Morrison, expenses . . . . .	1 50	
William J. McCarthy Co., curbed stone . . . . .	1 90	
G. F. McKenna & Son, teaming . . . . .	10 00	
M. Norton & Co., hose . . . . .	66 00	
Annie O'Brien, repairing flag . . . . .	1 00	
Mrs. E. A. Parker, repairing flag . . . . .	1 25	
W. E. Plumer & Co., hardware . . . . .	4 72	
E. S. Sparrow & Co., hardware . . . . .	47 88	
James Teylin, teaming . . . . .	627 01	
Underhill Hardware Co., hardware . . . . .	67 25	
Charles L. Underhill, setting tires on reels . . . . .	75	
The Underhill Co., repairing automobile . . . . .	57 87	
Whitney & Snow, supplies . . . . .	198 10	
Henry A. Wheeler & Co., ensigns . . . . .	11 92	
I. B. Walker, repairing . . . . .	1 80	
Walsh Bros., treating trees . . . . .	35 00	
	<hr/>	
	\$7,914 75	
Highways Maintenance account, crushed stone, spraying, etc. . . . .	106 73	
Water Maintenance account, repairs and stock . . . . .	148 65	
Sidewalk Assessments account, assessment . . . . .	4 62	
	<hr/>	
		\$8,174 75
		<hr/>
Metropolitan Parks Maintenance . . . . .		\$18,497 03
Charles River Basin Maintenance . . . . .		2,581 74
Wellington Bridge Maintenance . . . . .		813 98
(See Commonwealth of Massachusetts account.)		

**Public Buildings Department, Maintenance Park Buildings.**

CREDIT.

Appropriations, from Taxes, 1911 . . . . .	\$300 00
Excess and Deficiency account, balance transferred . . . . .	2 89
	<hr/>
	\$297 11

## DEBIT.

## (Expenditures.)

Cash, paid Armstrong Bros., plumbing . . . . .	\$59 50	
Ashton Valve Co., bubblers . . . . .	8 10	
F. C. Ayer, lumber . . . . .	5 25	
A. W. Berry, carpentering . . . . .	97 00	
J. A. Durell, hardware . . . . .	11 10	
Edison Electric Illuminating Co., light- ing . . . . .	20 20	
A. C. Gordon, painting . . . . .	3 00	
G. F. McNamara & Son, teaming . . . . .	7 00	
George L. Robinson, glazing . . . . .	46	
Wellington-Wild Coal Co., coal . . . . .	85 50	
		<u>\$297 11</u>

**Engineering Department, Playgrounds Maintenance.**

## CREDIT.

Appropriations, from Taxes, 1911 . . . . .	\$3,000 00
Somerville Field account, income . . . . .	400 79
	<u>\$3,400 79</u>
Excess and Deficiency account, balance transferred . . . . .	16
	<u>\$3,400 63</u>

## DEBIT.

## (Expenditures.)

Cash, paid laborers . . . . .	\$2,242 63
F. C. Ayer, lumber . . . . .	81 76
E. W. Bailey, registration of machine . . . . .	7 50
Charles E. Berry, labor and material . . . . .	79 22
Sarah Devereaux, setting glass . . . . .	3 50
F. C. Fuller & Co., lawn mower . . . . .	9 00
Highland Coal Co., lime . . . . .	15 00
Hemeon Bros., carpentering . . . . .	186 04
Eugene H. Jones, photographs . . . . .	19 50
William Kirkland, teaming . . . . .	6 00
E. S. Kearney, sawdust . . . . .	30 00
George W. Manning, repairing . . . . .	18 85
Charles F. Mills, labor . . . . .	2 80
Walter Morrison, car fares . . . . .	2 50
Martin & Wood, sharpening . . . . .	4 00
McMahan & Smith, setting glass . . . . .	2 50
M. Norton & Co., hose . . . . .	31 62
E. S. Sparrow & Co., hardware . . . . .	46 17
Somerville Journal Co., printing . . . . .	22 25
James Tevlin, teaming . . . . .	218 51
United Shoe Machinery Co. Band, ser- vices . . . . .	121 00
I. B. Walker, staples . . . . .	3 89
Whitney & Snow, snow scrapers, etc. . . . .	24 96
W. E. Plumer & Co., hardware . . . . .	8 79
L. A. Wright, links . . . . .	1 00
Wright & Ditson, bases . . . . .	16 80
William J. Wiley, varnish, etc. . . . .	1 00
	<u>\$3,206 79</u>
Amount carried forward . . . . .	\$3,206 79

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Amount brought forward . . . . .	\$3,206 79	
Highways Maintenance account, sand, etc.	40 97	
Engineering Department, Parks Maintenance account, labor, etc. . . . .	125 00	
Water Maintenance account, labor, etc. . . . .	27 87	
	<hr/>	<u>\$3,400 63</u>

**Public Buildings Construction, Park Buildings,  
Broadway and Lincoln Parks.**

CREDIT.

Balance from 1910 . . . . .	\$977 24
Building Public Buildings account, amount transferred . . . . .	1,000 00
	<hr/>
	\$1,977 24
Building Public Buildings account, balance returned . . . . .	14 42
	<hr/>
	\$1,962 82

DEBIT.

(Expenditures.)

Cash, paid Armstrong Brothers, plumbing . . . . .	\$292 30
A. W. Berry, on account of contract for construction . . . . .	538 40
J. J. Hurley & Co., contract for heating, Leavis & Doherty, plumbing . . . . .	376 00
Fred W. Merrill, electrical work . . . . .	552 50
	203 62
	<hr/>
	\$1,962 82

**Recreation Field, Alewife Brook.**

CREDIT.

Appropriations, from Funded Debt, 1911 . . . . .	\$15,000 00
Sewers Construction account, amount transferred . . . . .	5,000 00
	<hr/>
	\$20,000 00
Balance to credit of account, 1912 . . . . .	74 68
	<hr/>
	\$19,925 32

DEBIT.

(Expenditures.)

Cash, paid laborers . . . . .	\$4,609 26
F. C. Ayer, lumber . . . . .	1,793 85
Brady & Flaherty, teaming . . . . .	60 00
Charles E. Berry, iron rods, etc. . . . .	318 80
Daniel Collins, teaming . . . . .	5 00
T. G. Dale, teaming . . . . .	136 25
Frank C. Friend, soda and loam . . . . .	500 00
J. F. Hause & Co., teaming . . . . .	60 00
J. W. Howard, grass seed . . . . .	103 90
Harrington, King Co., duck, etc. . . . .	84 11
George W. Manning, labor on flag poles . . . . .	12 25
G. F. McKenna & Son, teaming . . . . .	225 00
C. J. Miers & Co., teaming . . . . .	90 00
H. J. McAvoy, teaming . . . . .	107 50
	<hr/>
Amount carried forward . . . . .	\$8,105 92



Amount brought forward . . . . .	\$8,105 92	
J. Edward L. McLean, labor, etc. . . . .	1,504 96	
North Somerville Lumber Co., laths . . . . .	75	
J. W. G. Pitcher, teaming . . . . .	18 75	
Park Street Stables, teaming . . . . .	50 00	
A. M. Prescott, teaming . . . . .	187 50	
Pigeon-Fraser Hollow Spar Co., flag poles . . . . .	100 00	
Pneumatic Hand Stamp Co., stencils, etc. . . . .	12 47	
D. M. Smith, teaming . . . . .	5 00	
R. M. Sturtevant, teaming . . . . .	7 50	
Suburban Coal Co., teaming . . . . .	82 50	
E. S. Sparrow & Co., hardware . . . . .	74 82	
James Tevlin, teaming . . . . .	690 75	
C. E. Trumbull Co., constructing grand stand . . . . .	8,489 66	
John Wilson, teaming . . . . .	267 50	
Wheeler & Co., ensigns . . . . .	19 28	
Whitney & Snow, hardware . . . . .	201 49	
William J. Wiley, hardware . . . . .	6 47	
	<hr/>	
	\$19,825 32	
Engineering Department account, services and inspection . . . . .	100 00	
	<hr/>	
		<u>\$19,925 32</u>

**Somerville Field.**

## CREDIT.

## Receipts:—

Cash, received of Somerville High School Athletic Association . . . . .	\$1,000 00	
Frank R. Tule, commission on sales . . . . .	7 79	
	<hr/>	
		\$1,007 79
Engineering Department, Playgrounds Maintenance account, amount transferred . . . . .	\$400 79	
Interest account, amount transferred . . . . .	607 00	
	<hr/>	
		<u>1,007 79</u>

**School Department, Summer Playgrounds.**

## CREDIT.

Appropriations, from Taxes, 1911 . . . . .	\$1,600 00	
Excess and Deficiency account, balance transferred . . . . .	2 03	
	<hr/>	
		\$1,597 97

## DEBIT.

## (Expenditures.)

Cash, paid weekly salaries . . . . .	\$471 80
American Express Co., expressing . . . . .	70
Boston Dry Goods Co., supplies . . . . .	9 70
Boston Badge Co., medals . . . . .	19 95
Cotter's Express, expressing . . . . .	8 78
	<hr/>
Amount carried forward . . . . .	\$510 93

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Amount brought forward . . . . .	\$510 93
Elizabeth M. Collins, disbursements . . . . .	16 63
John W. Cremen, services . . . . .	40 00
Chandler & Farquhar, supplies . . . . .	11 71
Charles S. Clark, disbursements . . . . .	47 38
William P. Carroll, labor . . . . .	8 00
Leslie O. Cummings, labor . . . . .	46 10
Dodge, Haley & Co., supplies . . . . .	2 33
George Dolliver, labor . . . . .	9 00
Matthew C. Duggan, disbursements . . . . .	1 50
Fitch & Co., supplies . . . . .	48 50
George W. Gale Lumber Co., supplies . . . . .	82 38
Glines & Co., expressing . . . . .	1 95
Nehemiah E. Gillespie, labor . . . . .	25 00
Gilman's Express Co., expressing . . . . .	1 00
J. B. Hunter & Co., supplies . . . . .	76 35
Charles W. Hurn, labor . . . . .	45 00
Charles W. Hobbs, cups and engraving, Freeman Johnson, labor . . . . .	40 97
G. F. McKenna & Son, teaming . . . . .	9 00
A. S. Morss Co., supplies . . . . .	27 00
Stephen H. Mahoney, labor . . . . .	11 86
Harlowe McDowell, labor . . . . .	5 00
Charles McLean, labor . . . . .	6 00
James H. Mullen, labor . . . . .	6 00
Robert A. Miner, services . . . . .	4 75
D. J. Moynahan, carriage hire . . . . .	15 00
W. E. Plumer & Co., supplies . . . . .	3 00
The Horace Partridge Co., supplies . . . . .	26 37
Harry Rogers, labor . . . . .	29 15
A. P. Rockwood, use of team . . . . .	4 00
E. D. Sawyer Lumber Co., supplies . . . . .	2 00
S. M. Spencer Mfg. Co., supplies . . . . .	98
Stuart-Howland Co., supplies . . . . .	1 25
John J. Shea, labor . . . . .	3 50
A. G. Spaulding & Bros., swings . . . . .	62 16
Walworth Mfg. Co., supplies . . . . .	17 25
Henry A. Wheeler & Co., supplies . . . . .	148 49
Whitney & Snow, supplies . . . . .	8 15
John M. Woods & Co., supplies . . . . .	36 87
Wright & Ditson, supplies . . . . .	6 02
I. B. Walker, supplies . . . . .	138 18
	11 26
	<hr/>
	\$1,597 97
	<hr/> <hr/>

**Public Buildings Department, Maintenance Bathhouse.**

CREDIT.

Appropriations, from Taxes, 1911 . . . . .	\$800 00
Maintenance Fire Buildings account, amount transferred . . . . .	200 00
Maintenance Municipal Buildings account, amount transferred . . . . .	300 00
Election Expenses, Polling Places account, amount transferred . . . . .	151 23
	<hr/>
	\$1,451 23
Receipts:—	
Cash, received of Walter T. Littlefield, bathhouse receipts, . . . . .	701 69
	<hr/>
	\$2,152 92

## DEBIT.

## (Expenditures.)

Cash, paid Edwin P. Fitzgerald, services as lifeguard . . . . .	\$240 00	
Attendants . . . . .	634 00	
F. C. Ayer, lumber . . . . .	24 41	
C. W. Cahalan, plumbing . . . . .	159 77	
Jackson Caldwell & Co., shade, etc. . . . .	1 15	
J. A. Durell, hardware . . . . .	5 03	
Eugene Girroir, labor . . . . .	2 00	
High & Hoyt, Sales Agents, cash register . . . . .	58 00	
P. Hurley, teaming and lunches for help, Iver Johnson Sporting Goods Co., bathing suits, etc. . . . .	56 00	
Frank O. Johnson, plumbing . . . . .	154 40	
William J. McCarthy Co., labor . . . . .	1 90	
G. F. McKenna & Son, teaming . . . . .	412 25	
Charles F. Mills, carpentering . . . . .	3 00	
A. M. Morton & Co., hardware . . . . .	68 40	
Martin & Wood, keys, etc. . . . .	24	
George L. Robinson, painting . . . . .	27 20	
William Reed & Sons, suit . . . . .	91	
S. M. Spencer Mfg. Co., rubber stamp, etc. . . . .	2 00	
Somerville Journal Co., printing . . . . .	1 33	
E. S. Sparrow & Co., hardware . . . . .	1 50	
Somerville Laundering Co., laundering . . . . .	10 74	
Toppan Boat Mfg. Co., boat, buoy, etc., . . . . .	42 98	
Underhill Hardware Co., hardware . . . . .	33 50	
Henry A. Wheeler & Co., awning . . . . .	2 70	
George H. Wickes & Son, painting fence, . . . . .	18 75	
Wright & Ditson, bathing suit . . . . .	186 76	
	4 00	
		<u>\$2,152 92</u>

## CELEBRATIONS.

## Memorial Day.

## CREDIT.

Appropriations, from Taxes, 1911 . . . . .	\$425 00
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## DEBIT.

## (Expenditures.)

Cash, paid Frank E. Draper Camp, 41, U. S. W. V., observance of Memorial Day . . . . .	\$75 00	
Willard C. Kinsley Post, 139, G. A. R., observance of Memorial Day . . . . .	350 00	
		<u>\$425 00</u>

## Independence Day.

## CREDIT.

Contingent Fund account, amount transferred . . . . .	\$500 00
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## DEBIT.

## (Expenditures.)

Cash, paid Somerville Fourth of July Association, fireworks and concert . . . . .	\$500 00
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**UNCLASSIFIED.**

**Municipal Documents.**

CREDIT.	
Excess and Deficiency account, amount transferred . . . . .	\$1,500 00
Appropriations, from Taxes, 1911 . . . . .	500 00
	\$2,000 00
Excess and Deficiency account, amount transferred . . . . .	109 64
	\$1,890 36

DEBIT.	
(Expenditures.)	
Cash, paid American Express Co., express- ing . . . . .	\$11 16
Walter S. Barnes & Son, boxes . . . . .	4 00
Somerville Journal Co.:— advertising Revised Ordinances . . . . .	391 50
printing annual reports . . . . .	1,483 70
	\$1,890 36

**Contingent Fund.**

CREDIT.	
Appropriations, from Taxes, 1911 . . . . .	\$1,000 00
Independence Day account, amount transferred . . . . .	500 00
	\$500 00
Receipts:—	
Cash, received of sundry persons, licenses to peddle . . . . .	\$25 00
Sundry persons, druggists' licenses . . . . .	34 00
	59 00
	\$559 00
Excess and Deficiency account, balance transferred . . . . .	514 25
	\$44 75

DEBIT.	
(Expenditures.)	
Cash, paid John Bousfield, ringing bell . . . . .	\$5 00
Commonwealth of Massachusetts, 25 per cent. of liquor licenses . . . . .	8 75
Henry A. Kendall, ringing bell . . . . .	5 00
John R. Nichols, ringing bell . . . . .	10 00
M. G. Staples, ringing bell . . . . .	6 00
Asbury Strahan, ringing bell . . . . .	5 00
W. C. Towne, ringing bell . . . . .	5 00
	\$44 75

**Building Public Buildings.**

CREDIT.	
Balance from 1910 . . . . .	\$1,055 03
Appropriations, from Funded Debt, 1911 . . . . .	70,000 00
	\$71,055 03
Amount carried forward . . . . .	\$71,055 03



Amount brought forward . . . . .		\$71,055 03
Amounts transferred from the following:—		
Sewers Construction account . . . . .	\$1,816 45	
Tuberculosis Hospital Construction account . . . . .	4 07	
Davis School, Vocational Equipment account . . . . .	16 50	
Park Buildings, Broadway and Lincoln Parks account . . . . .	14 42	
	<hr/>	1,851 44
		<hr/>
		\$72,906 47
Amounts transferred to the following:—		
Martin W. Carr School Addition account . . . . .	\$1,816 45	
Park Buildings, Broadway and Lincoln Parks account . . . . .	1,000 00	
Police Building, Vaults account . . . . .	3,000 00	
Incinerator Building account . . . . .	1,800 00	
Municipal Buildings, Vaults account . . . . .	2,800 00	
Schoolhouse in Ward Seven account . . . . .	46,000 00	
City Hall, Additional Accommodations account . . . . .	2,500 00	
Bennett School Addition account . . . . .	1,000 00	
William H. Hodgkins School Addition account . . . . .	1,000 00	
Industrial School for Girls account . . . . .	1,400 00	
City Home Addition account . . . . .	8,000 00	
Fire Station, Winter Hill account . . . . .	2,500 00	
	<hr/>	72,816 45
		<hr/>
Balance to credit of account, 1912 . . . . .		\$90 02
		<hr/> <hr/>

### MUNICIPAL INDEBTEDNESS.

#### Interest.

	CREDIT.	
Appropriations, from Taxes, 1911 . . . . .		\$85,000 00
Water Works Income account, amount appropriated . . . . .		1,980 00
Somerville Field account, income . . . . .		607 00
		<hr/>
		\$87,587 00
Reduced by the following transfers:—		
Refuse and Garbage Disposal account:—		
	\$12,000 00	
	6,000 00	
	<hr/>	\$18,000 00
Contagious Hospital account:—		
	\$1,500 00	
	500 00	
	<hr/>	2,000 00
Maintenance Contagious Hospital account . . . . .	300 00	
Tuberculosis Hospital account . . . . .	200 00	
Health Department account . . . . .	800 00	
Soldiers' Relief account . . . . .	965 19	
	<hr/>	22,265 19
		<hr/>
Excess and Deficiency account, balance transferred . . . . .		\$65,321 81
		873 90
		<hr/>
		\$64,447 91
		<hr/>
Amount carried forward . . . . .		\$64,447 91

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Amount brought forward . . . . .		\$64,447 91
Receipts:—		
Cash, received of sundry persons:—		
Interest on deferred taxes . . . . .	\$7,455 44	
Interest on deferred assessments . . . . .	351 18	
Interest on bank balances . . . . .	3,300 47	
Accrued interest on bond issue, 1911 . . . . .	1,065 33	
		<u>12,172 42</u>
		\$76,620 33

DEBIT.

Coupons maturing April 1, 1911	\$10,665 00	
Coupons maturing July 1, 1911	12,820 00	
Coupons maturing October 1, 1911 . . . . .	12,917 50	
Coupons maturing January 1, 1912 . . . . .	10,677 50	
		<u>\$47,080 00</u>
Cash, paid interest on Registered Bonds:—		
Interest due April 1, 1911 . . . . .	\$3,990 00	
Interest due July 1, 1911 . . . . .	1,357 50	
Interest due October 1, 1911, . . . . .	4,455 00	
Interest due January 1, 1912, . . . . .	1,540 00	
		<u>11,342 50</u>
On Temporary Loans:—		
Notes Nos. 48-53, 281 days, \$100,000.00 . . . . .	\$2,591 44	
Notes Nos. 54-56, 246 days, \$50,000.00 . . . . .	1,096 75	
Notes Nos. 57-65, 253 days, \$150,000.00 . . . . .	3,382 57	
Notes Nos. 68-85, 323 days, \$250,000.00 . . . . .	7,984 27	
Notes Nos. 86-91, 264 days, \$100,000 (less premium, \$1.35) . . . . .	2,587 33	
Notes Nos. 92-94, 76 days, \$50,000.00 . . . . .	329 86	
Notes Nos. 95-97, 40 days, \$50,000.00 . . . . .	173 61	
		<u>18,145 83</u>
On Library Trust Funds . . . . .		52 00
		<u>\$76,620 33</u>

**Memorandum Showing Total 1911 Interest.**

Interest on Temporary Loans of City . . . . .		\$18,197 83
Interest on City Bonds:—		
Water Bonds . . . . .	\$1,980 00	
City Loan, etc. . . . .	56,442 50	
		<u>58,422 50</u>
Interest on Metropolitan Assessments:—		
(See Commonwealth of Massachusetts account)		
Metropolitan Sewers . . . . .	\$27,159 34	
Metropolitan Parks . . . . .	14,205 35	
Charles River Basin . . . . .	10,056 77	
Alewife Brook . . . . .	151 67	
Metropolitan Water Assessment . . . . .	69,849 26	
		<u>121,422 39</u>
Amount carried forward . . . . .		\$198,042 72

Amount brought forward . . . . .	\$198,042 72
Interest on State Assessment:— (See Commonwealth of Massachusetts account)	
Abolition of Grade Crossings . . . . .	1,381 48
	<u>\$199,424 20</u>

**Reduction of Funded Debt.**

## CREDIT.

Balance from 1910 . . . . .	\$327 20
Appropriations, from Taxes, 1911 . . . . .	162,000 00
Water Works Income, amount appropriated, Water Bonds . . . . .	6,000 00
Water Works Income, amount transferred . . . . .	1,730 24
	<u>\$170,057 44</u>
Maintenance Tuberculosis Hospital account, amount transferred . . . . .	1,000 00
	<u>\$169,057 44</u>
Balance to credit of account, 1912 . . . . .	7,579 80
	<u>\$161,477 64</u>

## Receipts:—

Cash, received of Blake Brothers & Co., premium on bonds . . . . .	\$4,647 36
Hutchins Organ Co., about six acres land in Waltham . . . . .	3,075 00
	<u>7,722 36</u>
	<u>\$169,200 00</u>

## DEBIT.

## (Expenditures.)

Cash, paid bonds maturing in 1911 . . . . .	\$169,000 00
Old Colony Trust Company, prepara- tion and certification of bonds . . . . .	200 00
	<u>\$169,200 00</u>

**Memorandum of Total Payments in 1911 on Account of Debt.**

Water Bonds . . . . .	\$6,000 00
City Loan, Sewer, etc. . . . .	163,000 00
On account of Metropolitan District Debt:— (See Commonwealth of Massachusetts account)	
Metropolitan Sewers . . . . .	14,931 20
Metropolitan Parks . . . . .	5,094 88
Charles River Basin . . . . .	2,992 89
Alewife Brook . . . . .	750 00
Metropolitan Water Assessment . . . . .	25,671 21
State Assessment:— (See Commonwealth of Massachusetts account)	
Abolition of Grade Crossings . . . . .	5,333 61
	<u>\$223,773 79</u>

## PUBLIC SERVICE ENTERPRISES.

## Water Maintenance.

		CREDIT.	
Water Works Income, amount appropriated		\$25,000 00	
Less unexpended balance		556 62	
			\$24,443 38
Water Works Extension account, amount transferred		\$6,000 00	
Less unexpended balance		3,239 45	
			2,760 55
			\$27,203 93
Receipts:—			
Cash, received of sundry persons, costs		\$87 00	
Sundry persons, pipe, fittings, etc.		11,428 34	
Edison Electric Illuminating Co., grounding wires		250 00	
			11,765 34
Stock and labor billed other departments:—			
Engineering Department account, gasoline		\$53 10	
Maintenance Municipal Buildings account, inspection		56	
Inspection of Milk and Vinegar account, gasoline		17 30	
Elm-leaf Beetle Extermination account, gasoline		4 50	
Sewers Construction account, drain pipe		11 72	
Sewers Maintenance account, drain pipe		7 81	
Street Sprinkling account, maintenance water posts		260 93	
Highways Construction account, stock and labor		35 01	
Highways Maintenance account, pipe, etc.		65 21	
Support of Poor, City Home account, stock and labor		10 76	
Maintenance School Buildings account, stock and labor		49 06	
Maintenance Central Library account, cleaning pipe		14 80	
Engineering Department, Parks Maintenance account, repairs and stock		148 55	
Playgrounds Maintenance account, labor, etc.		27 87	
Water Works Extension account, stock		11,060 82	
			11,768 10
			\$50,737 37

## DEBIT.

## (Expenditures.)

Cash, paid laborers	\$19,534 11
Frank E. Merrill, salary as water commissioner	2,300 00
use of automobiles	437 35
expenses	15 50
Amount carried forward	\$22,286 96



Amount brought forward . . . . .	\$22,286 96
Charles R. Hildred, assistant . . . . .	1,014 00
car fares . . . . .	3 40
Lillian E. Leavitt, assistant . . . . .	819 23
Laura E. Peavey, assistant . . . . .	700 00
Marion L. Morrison, assistant . . . . .	536 16
Josephine M. Sander, clerical services . . . . .	52 00
Lula E. Chapman, clerical services . . . . .	56 00
Edna L. Goodwin, clerical services . . . . .	8 00
Hazel M. Etter, clerical services . . . . .	24 00
American Express Co., expressing . . . . .	10 75
Anderson Coupling Co., fittings . . . . .	244 00
American Belting & Tanning Co., leather . . . . .	4 80
American Implement & Seed Co., jack plate . . . . .	23
D. J. Bennett, harness repairs . . . . .	49 45
Charles Booth, wood . . . . .	8 00
Boston & Maine Railroad, freight . . . . .	173 17
Braman, Dow & Co., fittings . . . . .	961 29
Harold L. Bond Co., packing . . . . .	78 35
W. H. Broderick, services . . . . .	24 00
Builders' Iron Foundry, castings . . . . .	615 81
Barber Asphalt Paving Co., paving . . . . .	22 48
Boston Woven Hose & Rubber Co., hose . . . . .	4 95
Chadwick-Boston Lead Co., lead and pipe . . . . .	787 54
Cotter's Express, expressing . . . . .	50
John H. Cahalan, claim . . . . .	5 00
Chapman Valve Mfg. Co., valves . . . . .	87 17
William R. Conard, inspection . . . . .	67 18
Bernard Charles, brooms . . . . .	3 50
Davenport-Brown Co., lumber . . . . .	5 74
Neils A. Dolleris & Son, horn . . . . .	3 00
Davis & Farnham Mfg. Co., fittings . . . . .	290 96
The Elliot Co., stencil supplies . . . . .	56 42
J. H. Edwards, sharpening tools . . . . .	137 25
Julian D'Este Co., repairing tools . . . . .	93 60
Empire Rubber Mfg. Co., rubber matting . . . . .	12 37
F. E. Fitts Mfg. & Supply Co., towels . . . . .	9 67
R. B. Field & Co., washers . . . . .	5 75
Fresh Pond Ice Co., ice . . . . .	86 93
Fred W. Farrar, repairing clock . . . . .	5 50
Gifford Wood Co., steel . . . . .	1 00
Glines & Co., expressing . . . . .	95
Thomas Groom & Co., books . . . . .	77 65
Gulf Refining Co., oil and gasoline . . . . .	59 28
Gilman Express Co., expressing . . . . .	29 98
Globe Gas Light Co., repairs . . . . .	1 10
W. A. Greenough & Co., directory . . . . .	4 00
B. F. Goodrich Co., tire . . . . .	12 54
F. W. Gilbert, rubber boots . . . . .	9 50
Grout Automobile Co., guides . . . . .	62
General Tool & Supply Co., wrenches . . . . .	4 65
Peter Gray & Co., hinge . . . . .	50
Hersey Mfg. Co., meter parts . . . . .	6 95
Hill-Michie Co., tires . . . . .	126 08
Amount carried forward . . . . .	\$29,689 91

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Amount brought forward . . . . .	\$29,689 91
Fred A. Houdlette & Son, pipe . . . . .	2,271 19
William S. Howe, iron work . . . . .	32 10
Fred M. Hutchinson, expenses . . . . .	7 10
J. W. Howard, ivy . . . . .	4 25
George F. Hurn & Co., heater . . . . .	1 00
Hodge Boiler Works, re-tubing boiler . . . . .	204 00
R. D. Hildred, car fares . . . . .	9 58
Independent Ice Co., ice . . . . .	78 23
Ideal Supply Co., pipe, etc. . . . .	60
Joy Mfg. Co., wrench . . . . .	1 50
Charles F. Jones, indicator . . . . .	5 00
Susan A. Johnson, pipe . . . . .	1 32
L. E. Knott Apparatus Co., cups . . . . .	3 50
George W. Ladd, tools sharpened . . . . .	135 00
Library Bureau, cases . . . . .	63 40
Lord & Webster, hay and straw . . . . .	192 65
C. W. Lerner & Co., disinfectant . . . . .	20 15
Lead Lined Iron Pipe Co., pipe, etc. . . . .	1,667 05
Homer F. Livermore, copper tube . . . . .	1 45
T. E. Littlefield, lumber . . . . .	112 86
Ludlow Valve Mfg. Co., valves . . . . .	71 10
Thomas McNeill, telephone calls . . . . .	7 00
Wesley A. Maynard, printing . . . . .	12 50
H. Mueller Mfg. Co., fittings . . . . .	526 46
J. D. MacLennan, powder . . . . .	2 40
Martin & Wood, sharpening tools . . . . .	3 00
Daniel Morgan, claim . . . . .	50 00
George McDormand, horseshoeing . . . . .	4 00
Frank A. Macno, repairs . . . . .	1 00
Metropolitan Water & Sewage Board, stock and labor . . . . .	186 52
M. Norton & Co., rubber boots . . . . .	2 75
New England Telephone & Telegraph Co., service . . . . .	209 17
Norwood Engineering Co., hydrants . . . . .	286 50
National Meter Co., meter parts . . . . .	117 09
New England Towel Supply Co., use of towels . . . . .	5 40
Neptune Meter Co., meter parts . . . . .	367 73
Fulton O'Brien, hay and grain . . . . .	170 03
Edward O'Brien, horseshoeing . . . . .	33 00
A. M. Pride, fence . . . . .	312 20
Perham's Express, expressing . . . . .	15
Proctor Automobile Co., indicator . . . . .	3 12
W. E. Plumer & Co., hardware . . . . .	69 46
Proctor Bros. Grain Co., grain . . . . .	169 52
G. H. Proctor Supply Co., rings, etc. . . . .	9 05
Henry W. Perry, medicine . . . . .	3 60
Phelps Bros., hay and straw . . . . .	91 49
George G. Page Box Co., boxes . . . . .	35 35
Pratt & Cady Co., supplies . . . . .	35 25
John B. Rufer, horseshoeing . . . . .	130 35
Rensselaer Valve Co., valves . . . . .	1,160 50
Mary Rapoza, claim . . . . .	10 00
Richards & Co., lead . . . . .	331 19
Charles R. Simpson, veterinary services . . . . .	2 00
Somerville Iron Foundry, castings . . . . .	488 48
Somerville Journal Co., printing . . . . .	513 50
Amount carried forward . . . . .	\$39,922 70

Amount brought forward . . . . .	\$39,922 70	
E. S. Sparrow & Co., brooms, etc. . . . .	60 88	
Stanley Motor Carriage Co., repairs . . . . .	176 67	
J. R. Spaulding & Co., valve . . . . .	2 00	
Standard Oil Co. of New York, gasoline . . . . .	260 00	
Simpson Bros. Corporation, paving . . . . .	9 55	
Sanborn Map Co., corrections . . . . .	10 00	
Frederick W. Shepard Publishing Co., subscription . . . . .	3 00	
Somerville Reporter, printing . . . . .	15 50	
Scott & Tinglof, hoops . . . . .	10 50	
Smith-Premier Typewriter Co., repairs . . . . .	1 00	
Somerville Post-office, postage . . . . .	482 48	
William J. Thompson, wood . . . . .	52 41	
Turner & Co., envelopes . . . . .	46 22	
Fred J. Thomsen, car fares . . . . .	17 15	
Thomson Meter Co., meters, etc. . . . .	1,670 60	
Thompson, Durkee Co., fittings . . . . .	21 75	
Nathan Tufts & Sons, grain . . . . .	163 00	
Turner Asbestos Co., pipe covering . . . . .	2 77	
Charles L. Underhill, wagon repairs . . . . .	37 30	
Underhill Hardware Co., hardware . . . . .	63 36	
Union Glass Co., globes . . . . .	1 00	
Union Water Meter Co., fittings . . . . .	968 29	
Vernon Street Garage, trucks . . . . .	863 50	
William E. Valentine & Co., stencil cut- ting . . . . .	2 50	
White & Bagley Co., oil . . . . .	7 00	
Waldo Bros., cement . . . . .	131 18	
Walworth Mfg. Co., fittings . . . . .	71 62	
Samuel Ward Co., office supplies . . . . .	30 19	
A. J. Wilkinson & Co., tools . . . . .	106 65	
Wagner Electric Mfg. Co., repairing motor . . . . .	6 50	
R. Woodman Mfg. & Supply Co., seals and wire . . . . .	27 32	
Henry R. Worthington, meter parts . . . . .	1,896 69	
F. W. Webb Mfg. Co., bubblers . . . . .	2 00	
Frederick B. Witherly, castings . . . . .	447 24	
R. D. Wood & Co., hydrants . . . . .	2,753 41	
Walker & Pratt Mfg. Co., hood . . . . .	20 00	
I. B. Walker, rods . . . . .	19 81	
The Wilkins Press, books . . . . .	12 03	
Winter Hill Ice Co., ice . . . . .	1 64	
George A. Watts, clips . . . . .	5 75	
Whitney Mfg. Co., chain . . . . .	2 83	
Western Union Telegraph Co., telegrams . . . . .	83	
H. G. White Co., register . . . . .	58 76	
C. L. York Co., express . . . . .	67 68	
	<hr/>	
	\$50,533 26	
Sewers Maintenance account, gates . . . . .	132 28	
Highways Maintenance account, stock and labor . . . . .	71 83	
	<hr/>	
	<u>\$50,737 37</u>	

**Water Works Extension.**

## CREDIT.

Water Works Income account, amount appropriated . . . . .	\$13,500 00
Amount carried forward . . . . .	<hr/> \$13,500 00

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Amount brought forward . . . . .		\$13,500 00
Water Maintenance account, amount transferred . . . . .	\$6,000 00	
Less unexpended balance . . . . .	3,239 45	
		<u>2,760 55</u>
		\$10,739 45

Receipts:—

Water Service Assessments account, amount received in 1911 . . . . .		4,200 44
Stock and labor billed other departments:—		
Street Sprinkling account, water post . . . . .		30 45
		<u>\$14,970 34</u>

DEBIT.

(Expenditures.)

Cash, paid laborers . . . . .	\$3,171 85	
James H. Fannon, labor and teaming . . . . .	737 67	
		<u>\$3,909 52</u>
Water Maintenance account, stock . . . . .	11,060 82	
		<u>\$14,970 34</u>

**Refunds on Water Charges.**

DEBIT.

(Expenditures.)

Cash, paid sundry persons, money refunded . . . . .		\$475 48
Transferred to debit of Water Works Income account . . . . .		475 48
		<u>\$950 96</u>

**Public Buildings Department, Maintenance Water Buildings.**

CREDIT.

Water Works Income account, amount appropriated . . . . .		\$700 00
Water Works Income account, balance transferred . . . . .		106 33
		<u>\$806 33</u>

DEBIT.

(Expenditures.)

Cash, paid F. C. Ayer, lumber . . . . .	\$62 69	
Charlestown Gas & Electric Co., gas . . . . .	8 33	
Edison Electric Illuminating Co., lighting . . . . .	177 60	
Glines & Co., expressing . . . . .	90	
J. J. Hurley & Co., repairing heating apparatus . . . . .	6 20	
S. P. Larsen & Son, roofing . . . . .	46 39	
T. E. Littlefield, lumber . . . . .	6 65	
Charles F. Mills, carpentering . . . . .	64 60	
Pittsburg Plate Glass Co., glass . . . . .	10 47	
A. W. Phillips, mason work . . . . .	8 00	
George L. Robinson, painting . . . . .	15 48	
John B. Rufer, hardware . . . . .	10 05	
Renner's Express, expressing . . . . .	4 75	
		<u>\$422 11</u>
Amount carried forward . . . . .		\$422 11



Amount brought forward . . . . .	\$422 11	
Sexton Can Co., pump, etc. . . . .	130 50	
Somerville Coal Co., fuel . . . . .	11 60	
Wellington-Wild Coal Co., coal . . . . .	208 96	
John M. Woods & Co., lumber . . . . .	33 16	
		<u>\$806 33</u>

**Water Service Assessments.**

## CREDIT.

Receipts:—

Cash, received of sundry persons, cost of services laid . . . . .	\$4,200 44
Transferred to Water Works' Extension account . . . . .	4,200 44
	<u>4,200 44</u>

**Water Works Income.**

## CREDIT.

Metered Water Charges, last quarter district No. 1, 1911, uncollected . . . . .		\$16,459 80
Receipts:—		
Cash, received of sundry water takers . . . . .	\$210,587 82	
Abatements . . . . .	\$17 90	
Refunds . . . . .	475 48	
	<u>493 38</u>	
		<u>210,094 44</u>
Total income, sales of water . . . . .		\$226,554 24
Reduction of Funded Debt, balance transferred . . . . .		1,730 24
		<u>\$224,824 00</u>

## DEBIT.

Water Maintenance account, amount appropriated . . . . .	\$25,000 00	
Less unexpended balance . . . . .	556 62	
	<u>\$24,443 38</u>	
Reduction of Funded Debt account, Water Loan Bonds, amount appropriated . . . . .	6,000 00	
Interest account (Water Loan Bonds), amount appropriated . . . . .	1,980 00	
Water Works Extension account, amount appropriated . . . . .	13,500 00	
Sewers Maintenance account, amount ap- propriated . . . . .	13,000 00	
Fire Department account, amount appro- priated . . . . .	50,000 00	
Commonwealth of Massachusetts, Metro- politan Water Assessment . . . . .	115,094 29	
Maintenance Water Buildings; amount ap- propriated . . . . .	700 00	
amount transferred . . . . .	106 33	
	<u>\$224,824 00</u>	

**APPROVAL OF TREASURER'S REPORT.**

In Committee on Finance, February 26, 1912.

To the Board of Aldermen of the City of Somerville:—

Gentlemen: The committee on finance, to which was referred the report of the city treasurer and collector of taxes for the year 1911, reports recommending that it be printed in the annual reports of the year 1911, and that the report of the expert accountant who made the examination of the books and accounts of the city treasurer be accepted as the report of this committee.

(Signed)

JOSEPH O. KNOX,  
Chairman Committee on Finance.

## REPORT OF THE SCHOOL COMMITTEE.

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School Committee Rooms, December 22, 1911.

Ordered, that the annual report of the Superintendent be adopted as the annual report of the Board of School Committee, it being understood that such adoption does not commit the Board to the opinions or recommendations made therein; that it be incorporated in the reports of the City Officers; and that 1,000 copies be printed separately.

CHARLES S. CLARK,  
Secretary of School Board.







PLAY FESTIVAL FOR GIRLS, CENTRAL HILL PARK, AUGUST 23, 1911  
City Hall Annex and Office of Superintendent of Schools in Background

## SCHOOL COMMITTEE, 1911.

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HENRY H. FOLSOM, . . . . .	Chairman
GEORGE C. MAHONEY, . . . . .	Vice-Chairman

### Members.

#### EX-OFFICIIS.

	Term Expires January
CHARLES A. BURNS, Mayor, 27 Thurston street	1912
RALPH M. SMITH, Pres. Board of Aldermen, 80 Bay State avenue	1912

#### WARD ONE.

MRS. MARY G. WHITING 61 Mt. Vernon street	1912
EMORY F. CHAFFEE 109 Pearl street	1913

#### WARD TWO.

DANIEL H. BRADLEY 19 Concord avenue	1912
THOMAS M. CLANCY 52 Springfield street	1913

#### WARD THREE.

GEORGE E. WHITAKER 75 Walnut street	1912
ALBERT C. ASHTON 33 Columbus avenue	1913

#### WARD FOUR.

CHARLES A. KIRKPATRICK 27 Sewall street	1912
GEORGE W. FOSTER 7 Evergreen avenue	1913

#### WARD FIVE.

HENRY H. FOLSOM 103 Central street	1912
J. WALTER SANBORN 183 Central street	1913

#### WARD SIX.

FREDERICK A. P. FISKE 44 Cherry street	1912
MRS. MARY R. BREWER 170 Summer street	1913

#### WARD SEVEN.

GEORGE C. MAHONEY 97 College avenue	1912
MRS. LILLA H. TAINTER 46 Chester street	1913

### Superintendent of Schools.

CHARLES S. CLARK.

Office: City Hall Annex, Highland avenue.

Residence: 82 Munroe street.

The Superintendent's office will be open on school days from 8 to 5; Saturdays, 8 to 10. His office hours are from 4 to 5 on school days, and 8 to 9 on Saturdays.

Office telephone, 314; house telephone, 12.

Superintendent's office force:—

Justin W. Lovett, 13 Hudson street.

Mary A. Clark, 42 Highland avenue.

Mildred A. Merrill, 26 Cambria street.



## STANDING COMMITTEES, 1911.

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Note.—The member first named is chairman.

High Schools.—Sanborn, Mahoney, Clancy, Ashton, Foster, Fiske, Mrs. Whiting.

District I.—Mrs. Whiting, Chaffee, Foster.  
PRESCOTT, HANSCOM, DAVIS, BENNETT.

District II.—Bradley, Clancy, Chaffee.  
KNAPP, PERRY, BAXTER.

District III.—Whitaker, Ashton, Mrs. Whiting.  
POPE, BELL, CUMMINGS.

District IV.—Kirkpatrick, Foster, Sanborn.  
EDGERLY, GLINES.

District V.—Folsom, Sanborn, Kirkpatrick.  
FORSTER, BINGHAM.

District VI.—Fiske, Mrs. Brewer, Folsom.  
CARR, MORSE, PROCTOR, DURELL, BURNS, BROWN.

District VII.—Dr. Mahoney, Mrs. Tainter, Fiske.  
HIGHLAND, HODGKINS, LINCOLN, LOWE.

Additional School Accommodations.—Mahoney, Clancy, Fiske, Chaffee, Folsom, Foster, Ashton, Burns, Smith.

Evening Schools.—Fiske, Mrs. Tainter, Chaffee.

Finance.—Folsom, Bradley, Whitaker, Burns, Smith.

Industrial Education.—Foster, Sanborn, Kirkpatrick, Mrs. Whiting, Ashton.

Medical Inspection.—Mrs. Brewer, Mahoney, Mrs. Whiting.

Music.—Ashton, Bradley, Folsom.

Private Schools.—Clancy, Mrs. Brewer, Kirkpatrick.

Repairs of School Buildings.—Mrs. Tainter, Foster, Mrs. Brewer.

Rules and Regulations.—Bradley, Fiske, Mahoney.

Salaries.—Kirkpatrick, Whitaker, Clancy.

Supplies.—Chaffee, Sanborn, Whitaker.

Text-Books and Courses of Study.—Whitaker, Chaffee, Bradley, Kirkpatrick, Folsom, Mrs. Tainter, Mrs. Brewer.

Vacation Schools and Playgrounds.—Mrs. Whiting, Mrs. Tainter, Fiske.

## REPORT OF THE SUPERINTENDENT OF SCHOOLS.

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To the School Committee of Somerville:—

Herewith I submit to you the report of the condition of the schools for the year 1911 which by your rules and regulations the Superintendent is required to make. Presuming that it may be your pleasure to again follow the custom of recent years by adopting this report as the annual report of the Board of School Committee, I have treated some topics with considerable detail, in order that the citizens of Somerville may have full information concerning them. The usual statistical matter is presented in tabular form, showing the facts concerning attendance and cost, and a few subjects are treated in special statements which are placed in the second part of the report. In accordance with the natural order, comment will first be made upon

**School Attendance.** According to the United States census, the population of Somerville in 1910 was 77,236. It is estimated that the population is now 78,000, an increase in round numbers of 700. The entire enrollment in the public schools for the year 1910 was 14,481. The entire enrollment for 1911 is 14,301, a decrease of 180. The average number belonging in 1910 was 12,131. In 1911 it is 11,871, a decrease of 260. In 1910 a fair comparison between the entire enrollment of that year and that of the preceding year could not be made because of the fact that in 1910 children five years old were for the first time denied admission to the first grade, but the comparison between the entire enrollment for 1911 and that of 1910 can be made on an even basis, and plainly shows a loss of nearly 200 pupils. This corresponds with the loss in the same time in the average membership.

The membership of the schools for December, 1911, is as follows:—

Whole membership .....	11,923
Membership in the high school.....	1,781
“ “ “ elementary schools .....	9,837
“ “ “ kindergartens .....	217
“ “ “ vocational schools .....	83

Three hundred and forty-three teachers are now employed. Three hundred and thirty-nine were employed last year. Sixty-two are now employed in the high school, 264 in the elementary schools, 7 in the kindergartens, and 10 in the vocational schools.

The decrease in the membership of the schools has led to the giving up of three classes, two in Ward Six and one in Ward Five.



The distribution of children over the city is such as to produce variations in the numbers attending the classes which are provided in the several elementary schools. As a consequence, some classes are too large and others too small. It is generally recognized that the size of the class which one must teach has much to do with the efficiency of the work of the class. Some cities establish as the standard maximum to be assigned to one teacher forty-two pupils, and some others even a smaller number. Our rules provide that an assistant may be employed whenever a class has more than fifty pupils, thereby permitting a maximum of fifty pupils to one teacher. Besides having a direct relation to the efficiency of the instruction given by the schools, the number of pupils assigned to each teacher has a direct relation to the number of teachers to be employed and to the cost of instruction. The following statement shows how our elementary schools now correspond in organization to these two standards of measurement. Ten thousand one hundred and sixty-six pupils are organized into 234 classes in grades 1 to 9, inclusive, making an average of 43.3 to a teacher. If this average were the actual fact, the condition would be one very favorable to the interests of both pupils and teachers, and one not unduly unfavorable from the standpoint of economy. As things stand, however, these are the conditions:—

23	classes	have	over	50	pupils.
90	"	"	between	45	and 50 pupils.
63	"	"	"	40	and 45 "
36	"	"	"	35	and 40 "
14	"	"	"	30	and 35 "
8	"	"	less	than	30.

The unevenness in the sizes of the classes which is shown in this statement is to be regretted, but it is difficult to prevent it without sending children away from the schools which they would, from neighborhood reasons, desire to attend, to others more remote. This unevenness in the sizes of classes is one of the consequences of having many small schools at short distances from one another. Of course, there is one compensation to the objection just stated. The small classes resulting from this condition are beneficial both to the teacher and to the pupils.

Several classrooms in different parts of the city are vacant and available now for special uses.

**School Census.** The school census taken this fall has shown an increase over last year in the number of children in the city between five and fifteen years of age. This fact is in contrast to the decrease in the entire enrollment of the schools, and the explanation of the apparent discrepancy can be found in the circumstance that the school census was more efficiently

taken this fall than ever before, and has probably reported some children who were omitted in previous reports. It is probable, moreover, that there has been a greater increase among children of five years of age during the year than of children of the ages found in the school records. These suppositions seem adequate to reconcile the conclusions of the two kinds of enumeration, and to indicate that a larger enrollment of pupils may be expected next year.

According to the school census, there has been an increase in the number of pupils from five to fifteen years of age in Wards One, Four, Six, and Seven. In Ward Seven there has been an increase of 499. The other wards show slight losses.

**Schoolhouses.** The ordinary repairs which are necessary to the preservation of the schoolhouses have been made during the year, and in the main they are in good condition. They are well supplied with modern, adjustable furniture, and have been well heated during cold weather. Most of them have modern and effective systems of ventilation.

Following a request of this committee, the Board of Aldermen last year made a specific appropriation for the purpose of increasing the window areas in a number of school buildings where the light was below the standard for schoolhouses. As a result, twelve new windows were added to the Prescott Schoolhouse during the summer vacation, and an improvement in the lighting of that building which has long been needed was thereby made. But the other buildings for which more windows were asked still remain unimproved. Their deficiency in lighting is very manifest, and should be remedied without delay. It is difficult to regard any other school condition as more important than lighting. Poor ventilation, insufficient heat, or unsuitable furniture are adverse conditions which can be combated by a teacher who has to endure them, but against insufficient light she has no remedy except, indeed, to stop working, or to go on at the expense of that most valued of all the human senses, sight. Believing that there should be windows enough in all our school buildings to give sufficient light in all the classrooms, I think the School Committee should ask the Board of Aldermen for another grant of money to complete the work already begun. Additional artificial lighting is urgently needed in a number of buildings as a measure of relief until more windows can be provided.

The playground at the Hodgkins School has been graded and surrounded by an iron fence, and is now, with its play equipment, fast becoming a model. Steps are being taken to increase the playground at the Clark Bennett School, where more space is greatly needed. The yard at the Lowe School has been resurfaced and has been put into good condition.

The playgrounds at several other buildings are now, as they have been for years, in excellent shape, while still others are sadly in need of repair. Additional space is needed at several schools. At the Carr School more room to play is needed, and land in the vicinity is available for that purpose. This statement applies, also, to several other schools. As the schoolhouses are to be used for many years, it is a good policy to get additional land for these schools as soon as possible. The additions made to school grounds in the last few years have already proven blessings to the children. By adding each year a piece of available land to one or more school grounds, we should soon reach a time when there would be enough play space for the pupils at all of our schools.

During the year a school building has been added to the list and another has been begun. On the property adjacent to the Carr School, the large double house fronting on Atherton street has been completely remodeled and adapted to the use of a vocational school for girls. It is three stories in height, and has seventeen rooms devoted to the various uses which the work of the school necessitates. The building was ready for occupancy on October 14, and on October 16 it was opened as a trade school for girls.

The building which is now being erected on Powder House boulevard is designed for an elementary school. It will contain fourteen classrooms, besides offices, rooms for teachers' use and for other general purposes. The architect, Walter T. Littlefield, Commissioner of Public Buildings, has furnished the following description of this new structure:—

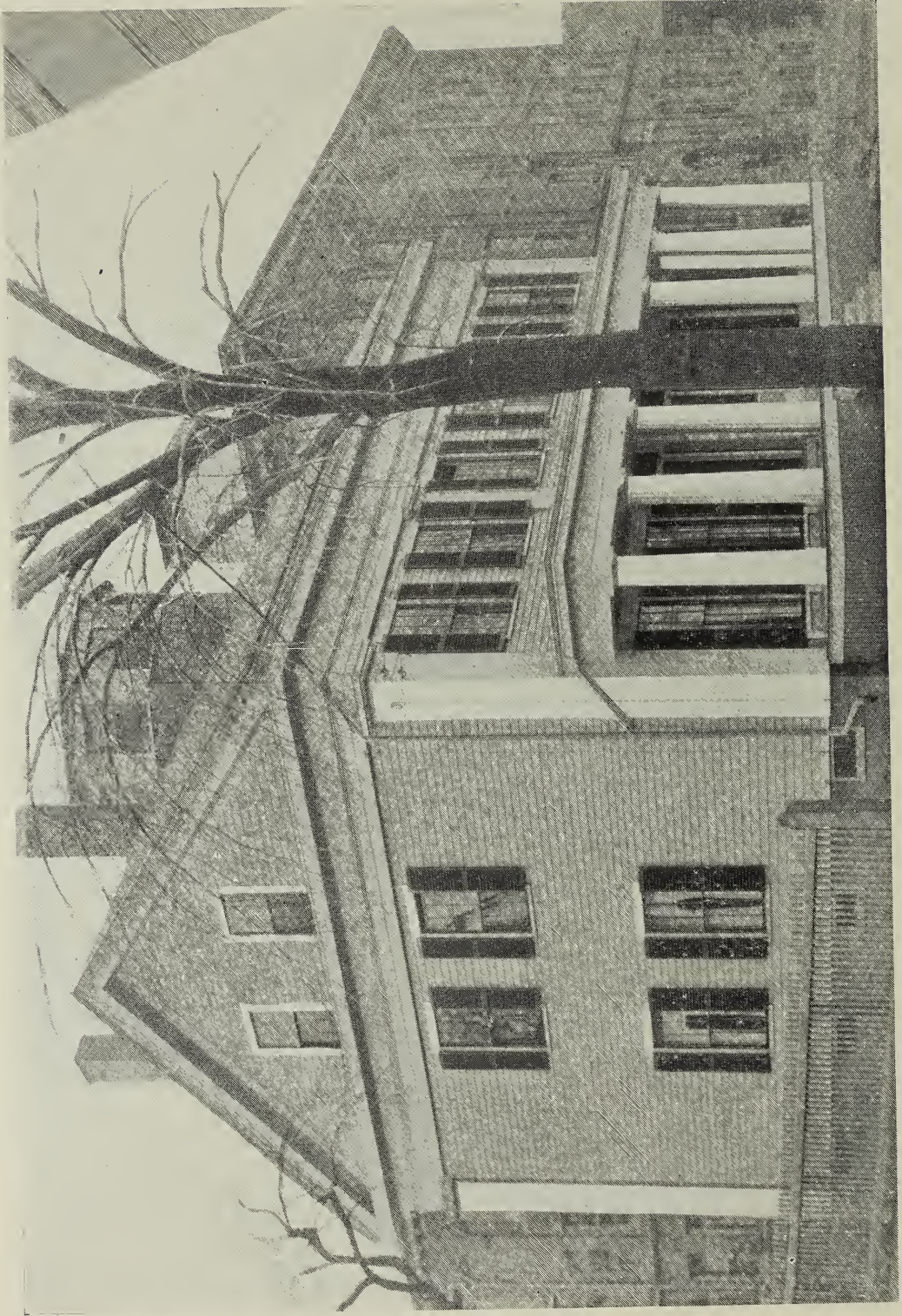
“The new S. Newton Cutler School building, which was begun in September of this year, and located on Powder House boulevard, near Curtis street, is being constructed with satisfactory progress, and will be completed in time for the opening of schools in September, 1912.

“This building is to be of brick and stone, and when completed will contain fourteen full-size classrooms and the necessary coat-room accommodations adjoining each of these classrooms.

“The building is to consist of three stories and a basement. All of the rooms are to be lighted by the modern system known as one-sided lighting. Each room will be equipped with the latest design of schoolroom ventilation. It is proposed, also, to equip this building with a system of vacuum cleaning. The building is now being constructed as the beginning of a comprehensive plan which, when eventually completed, will provide a building of twenty-four classrooms, and a large assembly hall with a seating capacity of at least 1,200. Sufficient land has been purchased by the city to provide for this extension, and still allow a very liberal space for playground purposes. The







SOMERVILLE INDUSTRIAL SCHOOL FOR GIRLS

41 Atherton Street



section of the building now in process of construction is to face on Powder-house boulevard, and is to be located at a distance of thirty feet from the northeasterly side of the boulevard."

**Cost of the Schools.** Last January the Board of Aldermen gave \$326,000 for the salaries of school teachers and for the contingent expenses of the schools for the year 1911. The School Board had asked for \$348,259. It did not seem probable then that the expenses of school maintenance for the year could be kept within the amount appropriated, but at the close of the year there is a balance of over \$1,700 in the salaries account, and the appropriation for contingent expenses has not been overdrawn. Several causes have contributed to make this result possible. In the account for salaries several changes in administration were made which resulted in saving, and changes in attendance of pupils, due in part to moving from one section to another, have made it possible to close several classes and save the salaries of several teachers. The effect of these economies has been sufficient to defray the salaries of the new vocational school for girls and to have a balance to the credit of salaries. The expenditures made from the contingent account are shown in detail in a statement to be found in the appendix of this report. This fund has been handled with great care, competitive bids having been secured on large orders and small orders having been placed where lowest terms could be secured, with due regard for quality and reliability of service.

In the search for means of curtailing expenses there is little hope that important savings can be made, either in the cost of supplies or in the salaries paid to teachers. It is possible, however, to make changes in the organization of the schools from time to time which will result in reducing the total cost of their maintenance without reducing their efficiency. Several such changes have already been made and others can be made. Among the latter is the elimination of the ninth grade, which has already been determined.

**High School.** When the position of head master of the Latin High School became vacant at the end of the last school year, there arose the question whether there was reason for conducting the work of the two high schools longer under separate managements. This question involved many important considerations affecting the general policy of high school development, and these were all given their due weight by the Committee before it reached a conclusion. So important was this whole discussion, both in respect to the policies considered and the conclusions reached, that it seems desirable to state here the main propositions examined and the decision reached upon each,

*Administration.* As a matter of administration, it would promote efficiency and economy to unify the control of two schools placed as these were so near together as to make of them one student body. Centralization of direction would secure the greatest results from the administrative forces of the two schools, and would reduce waste of effort through needless duplication or from varying methods operating in the same field of action. Hence from this point of view it seemed wise to combine the two schools.

*Educational Policy.* But several phases of educational significance demanded attention. Would uniting impair the work of either school? Would the tendency be to develop a school of indeterminate character, a large school lacking distinctive individuality? Would the interests of the city be best served by a general high school or by high schools of special types?

Since 1895 the Latin School had given instruction solely in academic subjects, and had fitted pupils for college, normal schools, and other higher institutions of learning. During the same time the English School had taught English and commercial studies, manual training and drawing, the sciences and modern languages, and had fitted pupils for colleges, normal schools, and other higher institutions of learning. The Latin School was a high school of special type; the English was a general high school, including in its curriculum college preparatory work. By a combination of the two schools there would result a general high school, with a large college preparatory course as one of its features. Given the same emphasis and curriculum as before, the work of the college preparatory course should be as successful as was that done under a separate name and management. On the other hand, the work which the English School was organized to carry on would be continued in the new school, as its curriculum would be affected as a result of the union of the two schools only by the enlargement of one of its courses. Therefore it did not appear that the elements of the two schools were so incongruous as to make either suffer by uniting with the other.

High schools of special types exist for the purpose of giving intensive direction and instruction in the courses which the schools offer. So, also, a general high school is able to give intensive direction and instruction in the courses for which it has proper facilities and competent teachers. To get this result, however, the several courses of a general high school ought to be so differentiated and developed as to have a vitality comparable to that of a separate school of the same type. This diversity of courses can be provided if the necessary plans for doing so are made and followed. Again, 1,800 pupils occupying contiguous buildings should be at least as efficiently managed by a given number of instructors responsive to a single

head as they would be by the same number of instructors under two directors. The efficiency of a school is not determined by its size, but by the spirit which animates it, by the character of its instructors and the sufficiency of the number of them, by the equipment of the school and the facilities which it has for doing the work which it undertakes, and by the adequacy and completeness of the plant which the school occupies. When all these conditions are favorable, the school will be efficient, be it large or small.

It seemed from this survey of the situation that a general high school offering all the courses of the Latin and English High Schools would better serve the interests of the community than would the continuance of the separate schools, but another question remained to be answered: Would the interests of the city be better served by the establishment of another high school of a type different from that of either the Latin or the English High School, as, for instance, a high school of manual arts, sometimes called a technical high school, or a high school of commerce, sometimes called a business high school. Such institutions are found in many cities, and perform an important work, dividing the high school attendance with the schools of other types, and affording a training along the lines of their specialty. On one or the other of these grounds their justification as a separate institution must rest. The need of more room for our high school pupils has been most urgent, but such additional accommodations could be given in connection with the present group of buildings, as well as by a separate institution of a new type. Whether, then, Somerville needs another high school, such as a commercial high school or a manual training high school, was the question remaining to be determined. In view of the experience of the English High School, and in view of the fact that industrial schools for both sexes have already been established, it seemed certain that the commercial and manual training, as well as other special subjects, could be developed sufficiently as courses of a general high school, and at much less expense than would be entailed by the creation and maintenance of separate high schools for any of them. This survey of the situation then led to the conclusion that for Somerville a general high school embracing all the courses which the community might demand should be established and maintained with the highest degree of efficiency which the resources of the school would make possible. The School Committee accordingly instituted a new school by the union of the two, and gave it the name of the Somerville High School.

So much having been done, it then became necessary to determine what courses the high school should offer and what steps should be taken to make effective the instruction in those



courses. It seemed wise to take the elements already existing in the two schools as the component parts of courses which the school would first develop. It was decided to group the subjects of the curriculum in such a way as to make these courses as effective and distinctive as would be the case were they maintained in separate high schools. It was recognized, also, that a school as large as the new school would present problems of its own, the chief of which would be to bring each individual of the membership of the school into close personal and sympathetic relationship with the work of the school. It was determined, therefore, for both of these reasons, so to organize the forces of the faculty as to provide both for the thorough disciplining of the school and for the effective bringing to every pupil the particular service which the school ought to render to his needs. To meet this aim, a plan of organizing the faculty was adopted by the Board, and has been in operation since the first of September. This plan is intended to secure sufficient differentiation of courses, to provide thorough supervision of the instruction of all the courses taught in the school, to encourage educational initiative among the members of the faculty, to provide a means for bringing every pupil into close relationship with the life of the school, thereby minimizing the danger of his being lost in the crowd of a large school, and to provide sufficient and competent leadership both in the educational and administrative interests of the school. This plan has only begun to show its effect. It is believed that it provides a means of far-reaching benefit to the future life of the school. Concerning the effectiveness of the plan, both for the present and the future, I am glad to give the opinion of the head master of the school, John A. Avery, who was active in making and recommending it for adoption:—

The High School, Somerville, Mass.,

December 21, 1911.

Mr. Charles S. Clark,

Superintendent of Schools,  
Somerville, Mass.

Dear Sir: At your request, I am pleased to present the following report of the reorganization of the high school with plans for future development. On my election in June, 1911, to the head of the combined high schools, the problem devolved of uniting two highly developed schools of widely differing purposes into one organization, with the avowed intent, however, that neither should suffer, but rather that both should profit by the arrangement. The problem has been naturally a difficult one, and has required the consideration of many matters of detail, among them the following:—

*One School.* The determination on the part of the Board that the old lines of distinction between Latin and English Schools should be entirely obliterated, and that the new organization should be *one* school, in fact as well as in name, was a decided preliminary advantage. In the construction of the programme, therefore, the work of the teachers was rearranged to give the greatest efficiency for all; classes doing parallel work were combined; the pupils in the two buildings were redistributed to bring together the combined classes; and the names East and West building were adopted to supersede the names Latin and English building. These mechanical means have proved a large factor towards securing a successful union of the schools.

*Administrative Organization.* To facilitate the government of so large a school and to assist the head master in the many minor administrative and disciplinary details, a board of administration was created, consisting of the three masters of the two schools, Mr. Tuttle, Mr. Hawes, and Mr. Murray. The execution of the details of organization, the treatment of serious cases of discipline, the organization of a plan for the supervision of the various parts of the buildings and the adjacent grounds have been placed in the hands of this board. The untiring energy, the hearty unanimity, and the extreme helpfulness of the men constituting this board have proved, even in so short a time, the wisdom of their selection and the value of their organization.

*Educational Supervision.* The educational development of the school was, of course, taken under serious consideration. The Latin School has for years been famed as a fitting school for college. The English School, though equally successful in its preparatory courses for technical and normal schools, has stood primarily for training of a more utilitarian character, sending many of its graduates immediately into business and the trades. That none of these purposes should in the slightest degree be sacrificed, a board of supervision was formed to have charge of the various courses of the school. A preliminary division into preparatory, general or academic, manual arts, and commercial courses was authorized, and three men from the school, Mr. Sprague, Mr. Hatch, and Mr. Jones, were selected to take charge of the first three. A head for the commercial course has not yet been chosen. This board has already organized, and has decided upon initial policy of action. The needs and aims of each course are being carefully considered, and recommendations of changes and additions to secure well-developed and effective courses will be made from time to time. The possibilities of such a board are large, and its in-

fluence will be broad. Its purpose is not only to preserve the entity of different courses, to develop them along lines of the greatest value to the community, and to secure correlation between the varied subjects taught in them, but also to preserve a sane balance among the various educational lines of activity in the school. I take great pleasure in stating that this board is approaching its problem with a broad view and an earnest purpose, and I feel sure that under its ministration the scholastic side of the school will be ably supervised.

*Departments.* The different departments, such as English, History, French, etc., have been placed under the charge of leaders in their respective subjects, and plans for reorganization and systematic and uniform methods of treatment have already been put into operation.

*Arrangement of Time Schedule.* The restricted school accommodations made it necessary to continue, with modifications, the alternate session plan used last year in the English School. The arrangement this year comprises a session from 8 to 1 for the three upper classes, from 1.15 to 4.30 for the first-year class, with added recitations for the first-year class during the last two periods of the morning session, as the exigencies of the programme demand. That the plan is not ideal is undisputed; that it is the only one essentially available for the accommodation of a school of 1,800 in buildings planned to seat 1,200 is certain. Untiring effort and the sacrifice of personal comfort on the part of teachers and pupils alike have been the main factors which have made this plan workable.

*Advisory System.* That the needs of the individual pupil may not be lost sight of, the advisory system formerly in use in the English School has been adopted. To each pupil a teacher-adviser is assigned, whose duty will be to keep informed of the work done by the pupil, to consult his individual needs, to recommend the selection of courses and studies to meet best his requirements, and in general to give tactful and helpful advice wherever needed.

*General Activities.* Believing that the average boy and girl of high school age requires the added interest of activities along lines other than those of study alone, I have encouraged the formation of societies with definite purposes. There are already successfully organized two debating societies, a girls' dramatic club, two orchestras, and a boys' glee club. Due attention has also been given to the school paper and to the control and development of athletics.

*The Needs of the School.* The belief that a high school should limit itself to the encouragement of scholastic attain-



ments alone is fast disappearing. Schools are everywhere awaking to the thought that moral, social, physical, and vocational development are alike important and in fact mandatory. To make our school normally equipped to meet the exacting requirements of its present needs, and to secure future development along the lines in which it is now lacking, I would earnestly recommend the following for consideration:—

(a) Additional building to relieve the present extremely crowded condition.

(b) A hall in which large groups of pupils could be gathered. Such a hall would give opportunity for talks on ethics, citizenship, business, and general topics of interest. The social activities of the school could also be carried on here under proper supervision. The value of such an auditorium in securing uniformity of conduct, the development of school spirit, and the encouragement of co-operation between the home and the school cannot be over-emphasized.

(c) The proper treatment of physical development and hygienic living is lamentably lacking. A gymnasium, physical instructors, and lectures on hygiene and health are extremely necessary, and should receive immediate consideration.

(d) A thorough revision of the curriculum of the school, with a view to the development of well-defined and differentiated courses, together with the installation of the equipment necessary in the treatment of a broad selection of subjects, should be brought about in the near future.

(e) A vocational bureau should be organized to investigate the peculiar needs and tendencies of the individual pupil and to assist him in finding suitable employment.

*The Outlook.* The school as reorganized is undisputably strong in the following respects: (1) Competent and progressive leadership in matters relating to administration and supervision; (2) able instruction from a corps of skilled and united teachers; (3) a curriculum which offers a wide range of selection, together with a convenient and economical means of changing from group to group if the needs or individual fitness of the pupil requires it.

With proper building facilities, therefore, the school, I firmly believe, is in a position to enter upon a period of expansion and progress which will speak well for its future value to the community.

Assuring you of my personal gratitude to the Superintendent and the School Board for their invaluable assistance, and to the teachers and pupils for their hearty co-operation and loyal support, I remain,

Sincerely yours,

John A. Avery,

Head Master.



I am in hearty accord with the views expressed by Mr. Avery, and I think that he has stated fairly the disadvantages under which the school is conducted, and has only modestly characterized the good work which it is doing despite them.

**High School Accommodations.** It has long been known that the accommodations in the high school buildings were insufficient to provide room either for the large attendance of pupils or for the proper expansion of several of the departments of the school. In 1895, the year in which the English School building was completed and occupied, the report of the School Committee contained a recommendation that a building be provided for manual training, and that recommendation stands to-day as an unfilled need. From time to time request for more room has been made by the School Committee, until in 1910 the plan of dividing the schools into sections for alternate attendance was again adopted as a relief against overcrowding, and it is now in force. As this plan must remain in operation until more room is provided, it may be advisable to discuss the situation for the purpose of making clear why the present plan is in force and what must be done to remove it, either in part or in whole.

The two buildings have in round numbers a seating capacity of 1,200 pupils, 500 in the West building and 700 in the East building. More than 1,800 pupils have been enrolled at one time since September. The freshman class, numbering more than 600 pupils, has been required to attend an afternoon session, but as the day is not long enough to give two daily sessions of sufficient length in succession, the afternoon class has had to arrive at school before the morning session closed, thereby producing an overlapping of sessions. This overlapping, though necessary, has entailed consequences of an undesirable character entirely additional to and separate from the objections which might otherwise be found to an afternoon session. They have made the most trouble both for the management of the school and for the parents of the pupils who attend in the afternoon.

The remedy for these conditions is more room. To determine how much more room is needed, it is necessary to analyze the conditions upon which an answer must depend.

Every high school has need of two kinds of rooms; first, rooms in which there are desks and sittings for pupils who are engaged in study, and second, rooms for reciting or laboratory rooms. The ideal condition being to have a sitting for study purposes for every pupil and to have sufficient accommodations for recitations, and laboratory work besides, it follows that, to provide that condition for more than 1,800 pupils, without any use of the afternoon session plan, there would be required over 600 sittings more, and rooms for laboratory work and for reci-

tation purposes. Under the head of laboratory work is here included manual training, domestic science, and domestic art, as well as chemistry, physics, biology, business practice, etc. In addition to these accommodations, an assembly hall, physical exercise rooms, a room suitable for serving luncheons to pupils, and alterations in the present buildings, including a three-story passageway between the two, would be needed. To provide all of these at one time would call for a large outlay of money, and would probably necessitate the building of two additions to the present plant, the grouping of the present structures and the shape and slope of the land surrounding them being such as to make it practically impossible to erect one addition large enough to include all.

Confronted by all these conditions, with requests for additions to the high school building unheeded for many years, the School Committee has again stated the need and asked for relief. It has asked for a building large enough to provide an assembly hall of sufficient size for the needs of the school, rooms for physical exercise, for serving luncheons to pupils, for domestic science and study rooms. Such a building, with alterations in the other buildings, should provide seats for approximately 500 pupils. Such an increase in the number of sittings would provide accommodations for the present enrollment, if coupled with a modified plan of afternoon sessions. Moreover, the addition of the proposed building would not interfere with the addition at any time of another building at the rear of the westerly end of the West building, to contain additional study rooms and an equipment devoted to manual arts subjects.

If the community is opposed to the continuance in any form of the plan of afternoon sessions as a measure of economy, then both buildings will be needed before this plan of alternate attendance can be abandoned.

In connection with the consideration of the subject of high school accommodations, a careful examination has been made to find out how the high school pupils are distributed by residence over the city. For this purpose the enrollment cards of all the pupils were inspected, and the number of pupils living on each street of the city was ascertained. The facts were then grouped to show the number of pupils living in the large areas indicated in the following statement:—

Number of pupils living east of School street, including School street, bounded by Temple, Dane, Calvin streets and Smith avenue.....	749
Number of pupils living west of School street, to and including Cedar street and Mossland street.....	495
Number of pupils living west of Cedar street, to and including Willow avenue .....	217
Number of pupils living west of Willow avenue, not including Willow avenue.....	346

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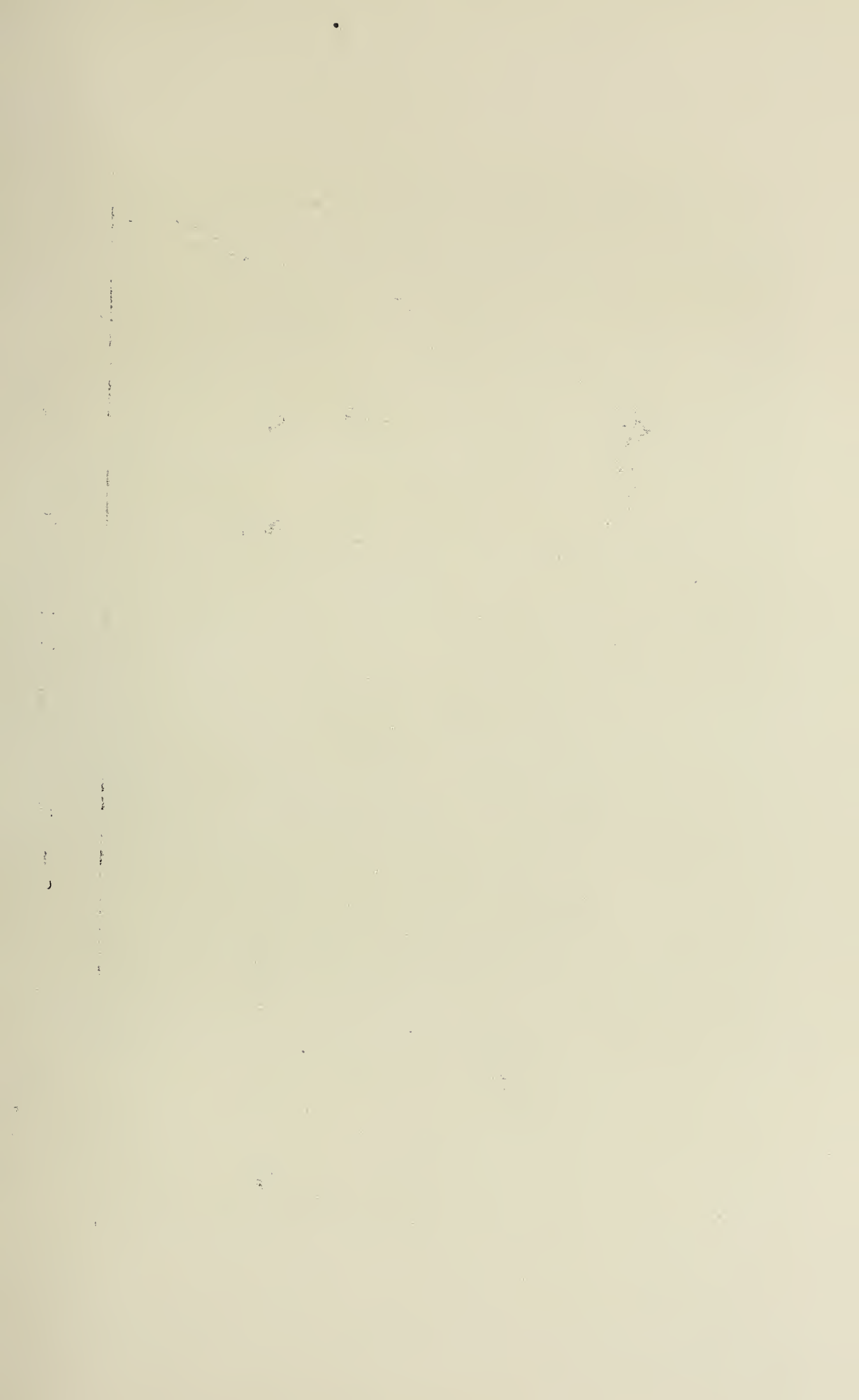
 1,807

**State-Aided Vocational Schools.** In pursuance of plans which had been under consideration for more than a year, a trade school for girls was opened on October 16 in the frame building at 41 Atherton street, which had been remodeled and prepared for that purpose by the city government. A principal and corps of five teachers were provided, and there was an immediate enrollment of over fifty girls. The school has been running only two months, but it is already well organized and is doing well, when all the difficulties incident to beginning an enterprise of such a character are considered. The principal, Miss Mary Henleigh Brown, is very enthusiastic and energetic in her efforts to provide for the needs of the girls and young women for whom this school is intended, and with the assistance of the corps of strong teachers who have been selected to aid her, she will develop a school of marked usefulness. Her report upon the work already accomplished and upon the plans which are to be followed in the future will be found in the Appendix, to which I invite your attention. The first steps towards securing the approval of this school by the State Board of Education have been taken, and others will be taken in due time and order, with the expectation of securing approval.

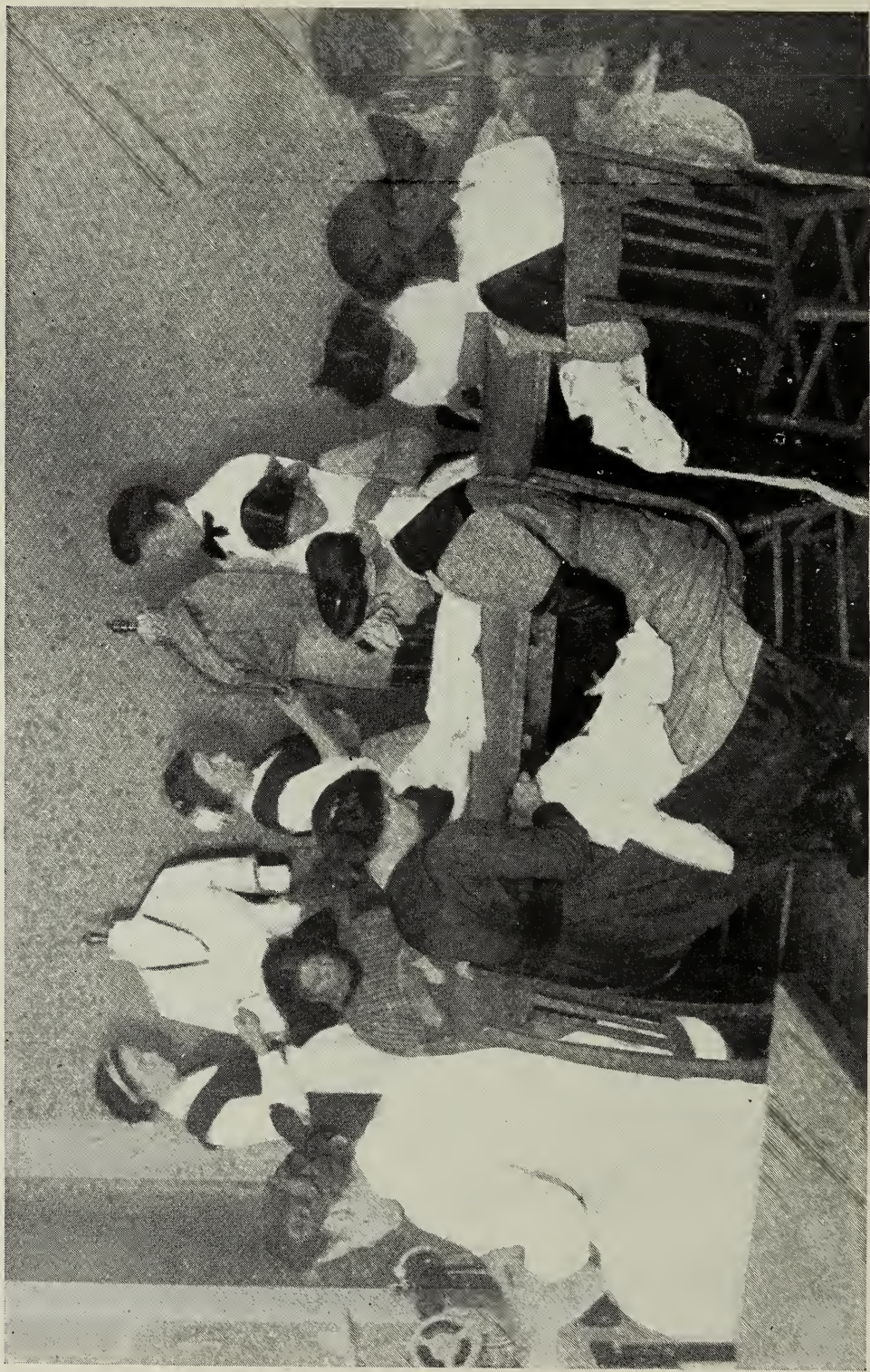
The Industrial School for Boys has had a successful year, and is improving in efficiency all the time. It has seemed wise to devote the energies of the principal and his assistants to developing a sound course of work and a sound practice of work during the early experience of the school, rather than to expend them upon exploiting the school for the sake of increasing attendance. This course has resulted in giving a thorough training to the boys in the school, and in enabling the teachers to get possession of a method and of a body of work and study which will give certainty and confidence to their future efforts. I commend this school to the confidence of the Board and of the citizens of the city. Elsewhere will be found an interesting report upon the work of the school written by the principal, E. Minor Morse.

In view of the fact that the School Board is conducting two vocational schools in co-operation with the State Board of Education, it is pertinent and appropriate to quote from Bulletin of the Board of Education, 1911, Whole Number 3, just issued, certain statements concerning the establishment and aims of state-aided vocational schools:—

“Various types of vocational schools are contemplated by chapter 471 of the Acts of 1911, all of which may become eligible to receive financial assistance from the commonwealth under the conditions described above. What will here be called the all-day vocational school is one designed to give practical training in suitable fields of agriculture, industry, or







CLASS IN DRESSMAKING  
Somerville Industrial School for Girls



household arts to pupils over fourteen years of age, who can give practically their entire time to school attendance. Part-time schools or part-time classes are designed to give to persons from fourteen to twenty-five years of age, who are already engaged in useful occupations, and who can therefore give but a portion of their time to the school, such training as will, when taken in conjunction with the practical experience acquired in the occupation, result in increased vocational efficiency. Evening vocational classes, like part-time classes, are designed to provide persons already employed with suitable training supplementing and reinforcing the experience acquired in the vocation followed. Persons under seventeen cannot, under the law, attend evening classes of the kind here described. Any or all of the foregoing types of education may theoretically be found in one or more of the large divisions, namely, agricultural, industrial, and household arts—of vocational education contemplated in the above-mentioned statute. A large school, planned to meet the diversified needs of a densely-settled section of the state, will probably provide classes for all-day, for part-time, and for evening pupils.

#### THE ALL-DAY VOCATIONAL SCHOOL.

“The all-day vocational school, contemplated by the terms of chapter 471 of the Acts of 1911, differs from the ordinary public or private school in that its controlling purpose is to fit its students in greater or less degree for certain forms of profitable employment in agriculture, the industries (manufacturing and mechanical pursuits), and the household. Vocational education for the professions, for commercial pursuits, and for maritime callings is not comprehended within the provisions of the above statute.

“The type of vocational schools here described differs in several important respects from the higher technical institutions training towards leadership in agriculture, the industries, and the household arts; the work is distinctly below college grade. The pupils may enter at fourteen years of age, and without having had a general secondary or even the last grades of an elementary education, and the controlling purpose is to prepare for efficient service in the wage-earning callings and for development through this to positions of leadership, while at the same time ministering to civic training. Schools giving education of this character may well be called secondary vocational schools.

“The elementary school bears, in general, the same relation to the day vocational school that it does to other secondary schools, except that under the law graduation from the elementary is not essential to admission to the vocational school. But the vocational school is no more intended for

naturally backward or defective children than is any other school. If youths of good working habits and native aptitude for mechanical or other concrete work have not finished the elementary school, it is nevertheless assumed that they will succeed in the vocational school, and such children should be encouraged to enter the vocational school at the close of their fourteenth year, rather than to discontinue all schooling, which, as is well known, is the prevailing tendency. But, as stated before, probably the largest attendance on the all-day vocational school will and should come from those who, having finished the work of the elementary school, are impelled by desire or circumstances to turn their attention to preparation for some mechanical vocation. To these, naturally, the general high school or even the technical high school does not and should not appeal.

"The development of all-day vocational schools will be found to result not in a diminished attendance on the high schools, but rather in a net increase of young persons over fourteen years of age in all schools taken together, since the vocational school will draw largely from the very large number—often far more than a majority—of children who have in the past ceased all school attendance as soon as the laws governing compulsory attendance have permitted. As vocational schools develop, an intimate and harmonious relationship between them and elementary and high schools will be found, resulting in their efficient co-operation in serving all the educational needs of the community."

**Summer Playgrounds.** For the second time summer playgrounds were conducted by the School Committee, an appropriation of \$1,600 made by the Board of Aldermen having been placed at its disposal. For the second time, also, this work was carried on in close partnership with the Somerville Playgrounds Association, which had raised for this purpose a sum of \$1,500. These resources were expended in pursuance of a single plan which had been adopted to secure the largest return from the money at the command of the two organizations. In this way waste was avoided, and much more was done than could have been accomplished had the city appropriation been spent without reference to the co-operation of the Playgrounds Association. It was early decided to use a part of the public appropriation for permanent equipment of playgrounds, a part for perishable play materials, and the rest for supervision, and to use a large part of the association's fund for supervision. Accordingly a certain proportion of the joint funds was devoted to providing supervision and play instruction, and a certain proportion to play equipment and materials.

A general director was provided to have charge of planning the equipment and management of all the grounds, and

Leslie O. Cummings was chosen for this position. As an assistant to him, Miss Elizabeth M. Collins, principal of the Hanscom School, was engaged to develop and supervise the activities of all the playgrounds for girls and small boys, and Miss Claire S. Wyman was made assistant director of girls' grounds. Two women instructors were provided for each playground for girls, and one man for each playground for boys, with one man extra for general use. Before the middle of the season another man was employed and assigned to Lincoln Park, and the extra man was assigned to City Field. This force was well disciplined, and worked in accordance with carefully-formulated plans. It proved to be very enthusiastic and highly efficient. Nine playgrounds were maintained, six for girls and three for boys.

It was decided to place permanent equipment in school yards, first, for the reason that these were protected by fences, and also that the equipment might later on be available for the school children at recess and other times. The things which it was thought best to get at first were swings, teeters, basket ball standards, baseballs and bats, and a variety of play material. A very favorable opportunity was found for buying standard iron piping, and enough was bought to set up four frames, which were designed by Mr. Cummings, each frame to support nine swings and six teeters. Early in July one of these frames was erected under Mr. Cummings' direction in the Hodgkins School yard, and another in the Perry School yard. The cost of these frames and of erecting them was met out of the school appropriation, and was far below the commercial price for the same class of equipment and work. In the same way the other permanent play material was made and put in position at the lowest cost. The standards for basket ball, the boards for teeters and swings, and the sand boxes were all made at the Boys' Industrial School. It had been planned to erect the remaining two combination frames in school yards, but as the season advanced it became apparent that they could give service to the greatest number on Lincoln Park and on City Field, and they were put up in those places, the city engineer taking charge of the installing and paying for it.

All expenditures from the city fund were made by the Superintendent of Schools acting as secretary for the School Committee, and an itemized account thereof is given in the appendix.

The conduct of the playgrounds this season was much in advance in efficiency of that of last year, as it should have been. It not only produced good results during the summer, but it laid down principles to be followed hereafter, and it gathered and recorded experiences which will be of the utmost value another year. As this work has been in a sense pioneer work,



I deem it of sufficient interest to the public to justify printing a rather full report of the plans and activities of the playgrounds, which has been prepared at my request by the directors.

As a closing remark on this topic, I wish to record my belief that this enterprise was worth the effort and money expended upon it. As play has always in the history of the human race been the forerunner of work, it may be that summer playgrounds will prove to be but the forerunner of a summer work or education which will afford better occupation for children forced to stay in the city than weeks filled only with idleness and temptations to mischief.

**Dental Dispensary.** The work of the dental dispensary has been carried on during the year at the Proctor School with the continued co-operation of the dentists of Somerville. Through its ministrations 225 children have found relief from dental troubles or have had treatment which otherwise they could not have secured. Twenty-seven dentists were in attendance during the year, and five young ladies volunteered to take charge of the administrative work connected with the conduct of the dispensary. Great credit is due all of these workers for the service which they have rendered to the children. It is fair to them to say, however, that they render this service appreciating that it covers only a small part of the work which ought to be done. The work of the dispensary has been supplemented this fall by talks given in the classrooms of the elementary schools by the women members of the School Committee. As a result of these talks, teachers have been supported in their efforts to inculcate care of the teeth, and the purchase and use of tooth brushes by the pupils have been greatly stimulated.

While the services of the dental dispensary are free to children who cannot afford even a small fee, it was thought to be the best policy to have a nominal charge for each kind of work undertaken. As a result of this policy, there has just been added to the equipment a dental engine and several appliances which will be paid for from the funds accumulated from the fees. While it is in no sense an aim of the dispensary to make money, it is worth mentioning that it has been self-supporting in all particulars other than service and equipment.

**Truancy.** As will be seen by consulting the statistics relating to truancy which form a part of this report, the work of the truant officer has been prosecuted with vigor. Whether it is due to increased vigor on his part, or whether it is due to the conditions themselves, the fact appears that a larger amount of truancy is shown for 1911 than appeared last year. Two hundred and fifty-two were truants for the first time this year, over 100 more than were reported last year. The num-

ber of girls, also, who were truants is larger this year than was the case last year. These facts suggest the need of a more effective control of truancy than we are now able to have. One active truant officer for a city as large as the city of Somerville is a very small provision. In view of the increase in the number of truants and of the increase in the number of girls who are truants, I think it would be well to have as an assistant to the truant officer a woman, whose duty it would be to follow up cases of truancy and absenteeism among girls and small children, especially. Such a woman could act, also, as a home visitor to investigate cases of absence due to neglect or indifference. She could render valuable service in visiting the homes to follow up the treatment of children who were excluded because of certain minor contagious diseases. It is by no means an untried experiment to have a woman as a truant officer, nor is it a new proposition to have performed by a woman home visitation and follow-up work. I think a woman having the needed qualifications could render valuable service to the schools in the prevention and reduction of unnecessary absence.

**Work of the Schools.** The educational doctrine which is being most insistently urged at the present time is that the schools must find each individual pupil, discover his needs, and provide for them. No longer is education in the mass deemed sufficient. Differences in capacity, in aims, in health, in probable duration of school attendance must all be taken into account, and the activities of the schools modified in consequence of them. Vocational education, retardation and acceleration, classes for exceptional children, open-air classes, and differentiation of courses in the elementary schools after the sixth or seventh grades are all phases of this general doctrine, but are the phases which are now receiving the most emphasis. Along with the discussion upon these questions there is heard the ever-present criticism that the schools are attempting too much and that they are teaching nothing well enough. Each of these propositions contains truth, and, taken separately, commands attention, but as a basis for a plan of action for the schools it is necessary to consider them in their relation one to another, and to seek so to progress as to hold all the good which has already been attained, and to add to that whatever will give greater efficiency to the work of the schools.

Certain movements have been under way in our schools during the year which have close relation to the educational doctrine under consideration. Twice within this period promotions have occurred at half-yearly intervals. As a result of these semi-annual promotions, a process of re-grading has been commenced which has had the immediate effect of helping

some to a better place in the scheme of grading, and which will give as time goes on such flexibility to the grading as to make it possible more generally to advance pupils according to their individual characteristics. Two special classes have been in operation, an atypical and an ungraded class. Both of these have proven valuable. More classes of each kind are desirable. Two industrial schools have been in operation, and have added to the opportunities for individual preference. The work in drawing in the elementary schools has been re-planned and vitalized, and a beginning has been made in domestic science. An advance has been made in the contribution which an outdoor recess may give to the health and happiness of school children, and the interest in their physical welfare has been stimulated. In these ways the process of differentiation has been going on, adapting the school work more closely to individual needs. But the bulk of the school activity, however, has been the teaching in the elementary schools of the so-called essentials, and in the high schools in the giving of thorough instruction in the various courses which are there offered. The character of our teachers and the spirit of our schools have insured all along the line insistence upon those rules of personal behavior whose observance promotes morality, health, and good conduct as members of the school organization and as young citizens. So as the year draws to a close the review shows sound progress, with the educational forces in a condition strong enough to make the advances which ought to be made.

**Course of Study.** The courses of study in use in the elementary schools have been divided to correspond to the semester plan, but neither the content nor the amount of requirement has been altered materially. As the experience of the year has disclosed some needs of readjustment, and as several of the courses would be improved by reorganization, further revision should be made. In the high school there is opportunity for making new curricula for one or more of the courses, so that they shall present groups of studies better adapted to the needs of many pupils than the present courses are.

**Changes of Teachers.** The service lost nineteen teachers during the year, two by death and seventeen for various reasons. Of the latter, seven were married, four secured positions offering larger salaries, and six left either to enter other occupations or to devote their time to leisure and study. There remain with us, however, many who have long been in the service of the city. Of these, there are those who are the peers of any who have left to secure better salaries elsewhere. Their remaining in our schools is much to the advantage of the



schools, and not at all an indication that the best teachers are all leaving us. Those who remain deserve at least this recognition of their ability and devotion to the schools of our city.

The most significant change in the corps of teachers was occasioned by the resignation of George L. Baxter, who had been head master of a Somerville high school for more than forty years. His decision to surrender the position he had so long held came as a shock of surprise. It was followed by such a demonstration of appreciation and friendship from teachers, School Committee, and citizens as would have turned the head of a lesser man. Constrained, however, to accept his resignation, the School Committee paid him such tribute as it could to express its appreciation of his worth as a man and a teacher. In his going from the schools an influence was withdrawn such as it will be difficult to duplicate. Modest and unassuming, but sympathetic and able, George L. Baxter was a teacher of the very highest type. Long may he live to be an example to our youth and a friend to all of us!

During the past year death has taken from their posts of duty two of the teachers. Mrs. Emma B. Jones, for many years a teacher in the primary grades, was stricken with illness in the early spring, and passed away on May 27, 1911. A faithful and kind-hearted teacher, she had been a benefactor to many children during the years of her service. Miss Annie E. McCarty, after an illness lasting only two days, was called from this life on November 15, 1911. For nine years she had been principal of the Clark Bennett School, and before that time had been for a number of years principal of the Jackson School. During her long period of service Miss McCarty was a conscientious worker, and exercised a powerful influence in the neighborhood where her school work lay. Her service to the pupils was rendered not only in the work of her school, but also in her deeds of kindness and good will performed outside of school and as the outworking of a compassionate regard for those in need. She did much to make the Clark Bennett School an agency for the betterment of social conditions in its vicinity. Her memory will long be held in respect by all those who knew her.

**Teachers' Salaries.** The salaries of teachers are the largest element in the cost of the maintenance of our schools, as they are in the schools of other communities. They represent the chief inducement which a community holds out to attract men and women to the service of its children. They also are the measure of the reward which the community gives to those who are working in its schools. As a magnet or as a reward, the sufficiency of a salary for a teacher is measurable by the same standards as are applicable to other lines of work. In the distribution of workers among wage-earning vocations a



process of classification goes on whereby there enter each vocation persons who are willing to meet the exactions of the calling for the sake of the pay which it offers. Hence an occupation which has difficult requirements must compete on even terms of payment with other occupations making equal demands, or else suffer the loss of the kind of workers which it ought to have and be content with that which it can get. In the latter event, the service would inevitably be inferior. A commercial business could not survive on such a basis as this. By the same token a non-competitive enterprise would fail to serve its legitimate aim if it worked on such a basis.

Now in a large sense teaching is not a competitive business. In this business meaning of the term competition is not conducive to the best in teaching. Being largely a spiritual office, teaching should be performed by one whose soul is not exasperated by too close attention to the commercial aspects of his vocation. But the calling of a teacher sets up such high qualifications for those to attain who would enter it, and prescribes limitations so inviolable upon them when once they enter, that the pay for teaching must be equal to that given in business to the same qualities, if teaching is to continue to attract men and women of the right quality and attainments. What kind of a person does society want in the teacher's place? The law used to say that the teacher stood in loco parentis, in the same relation to the child as his parent, inferentially, equal to his parent. But this wise maxim did not cover ground enough. Society thought well enough of the teacher to let him stand in the place of thirty, forty, or even fifty parents, not to say double that number of them. Such a definition of the status of a teacher would certainly seem to fix beyond dispute the contention that the highest qualities of heart and mind are needed in the person of the teacher. Modern conditions have added to the common law maxim. To-day the teacher must stand in the place of very wise parents. Society at the present time is turning to the schools to remedy many of the ills which beset it and to prevent many which it fears. This new attitude on the part of society places new responsibilities on the teacher, for the schools can never do more than the teachers are able to give in response to the demands made upon them. Therefore, it is plainly necessary to attract to the service of the schools workers who can do what the schools are called upon to accomplish. The main inducement to attract such persons into the vocation of teaching will be, in the future, salaries which will enable them to meet the demands of life under modern conditions of increased cost of living. And those salaries will be larger than those paid by most communities at the present day. Such being the appearance of the matter as it relates to attracting persons into the vocation of

teaching in the future, the conclusion is just as valid that teachers already in the service are entitled to a just reward for the work which they are doing. Our elementary teachers have shown that their pay has made a very small advance over a long period of years, and they are asking that they be given more. They are entitled to, and I am sure they will receive, a sympathetic hearing. As the city cannot afford to reduce the quality of the service which it exacts for the benefit of its children, it should reward as well as it can those who do the work which it requires. That this has always been the purpose of the city cannot be questioned, in view of all the facts in the case. That an increase of pay must soon be made if the city is to live up to this purpose in the future, as it has in the past, is equally certain. Therefore, I hope that provision can be made in the near future to reward and encourage the elementary teachers by adding to the salary which has become too small either to be a measure of the value of the service which good teaching renders the city or to be a sufficient earning to safeguard them from anxiety or want.

**Conclusion.** This review of the work of the year is necessarily incomplete, inasmuch as a full and sympathetic account of all that has been done and planned by School Committee and school workers would make an account too long for the proper limits of this report.

The work of the year has been arduous for the School Committee, as new problems of a difficult nature and of far-reaching importance have been considered and decided. The teachers, also, have had to adjust themselves to conditions somewhat altered, as the result of changes which the School Committee inaugurated. Their response has been prompt and loyal. They have rendered whole-hearted service, and have made a success of that which the Committee has planned. It is very gratifying and it is a reason for just pride that these difficult undertakings have been accomplished efficiently and with entire harmony of feeling. His Honor, the Mayor, the Board of Aldermen, and the various city officials, also, have co-operated in the fullest manner with the school department, with an earnest desire to promote in every way possible the efficiency of the schools.

As recommendations for adoption I bring together here, in closing, the needs of the schools which I have discussed in this report. They are:—

- Additional accommodations for the high school.
- More windows in several school buildings.
- More artificial lighting in rooms insufficiently lighted.
- Increase in the pay of elementary teachers.
- Purchase of parcels of land to increase playgrounds of several schools.

Proper surfacing of the yards of several schools.

Further revision of the courses of study in high and elementary schools.

Extension of special classes in elementary schools.

Extension of the manual arts course in the high school.

Extension of the work in domestic science in the high school.

Employment of a woman as assistant to the truant officer and as school visitor.

To the members of the School Committee I give sincere acknowledgment and thanks for their active interest in the work of the schools, and for their unfailing assistance and support in all of the work of the year.

Respectfully submitted,

CHARLES S. CLARK,

Superintendent of Schools.

December 22, 1911.

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At the meeting of the School Board held May 29, 1911, the following notice was given:—

The Superintendent of Schools announced the death on Saturday, May 27, of Mrs. Emma B. Jones, teacher of the first grade, Hanscom School.

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At the meeting of the School Board held December 22, 1911, the following resolution was adopted:—

Resolved: That in the death of Miss Annie E. McCarty, we, the School Board of Somerville, suffer the loss of a faithful teacher; one who for many years continued in service as a teacher in the Prospect Hill School, principal of the Jackson School, and principal of the Clark Bennett School since that school was opened. Miss McCarty took a deep interest in her school work, and was a constant adviser and friend in the many families represented in her school. She was esteemed and loved by us all and by the many people who were blessed by her ministrations and her unfailing good cheer.

Resolved: That the deep sympathy of this Board be extended to her family.

Resolved: That these resolutions be made part of the records of this Board, and a copy thereof be sent to the family of the deceased.

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**SOMERVILLE TEACHERS' ASSOCIATION.****OFFICERS, 1911-1912.**

President, George I. Bowden.

Vice-President, Elizabeth M. Collins.

Secretary-Treasurer, Irene Vincent.

Executive Committee:—

Superintendent Charles S. Clark, ex-officio.

Roy W. Hatch, High School.	Mary Henleigh Brown, Industrial School for Girls.
Natalie A. Smith, High School.	M. Edna Merrill, Forster.
Elizabeth M. Warren, Prescottt.	Elizabeth J. O'Neil, Bingham.
E. Minor Morse, Industrial School for Boys.	Katherine Pike, Carr.
Mattie L. Littlefield, Hanscom.	Grace S. Russell, Morse.
Nellie F. Eaton, Bennett.	Ardelle Abbott, Burns.
M. Edith Callahan, Knapp.	Abigail P. Hazelton, Durell.
Mary E. Mullin, Perry.	L. Margaret Potter, Proctor.
Mary G. Blackwell, Baxter.	Annie G. Smith, Brown.
Daisy W. Cushman, Cummings.	Frank W. Seabury, Highland.
Blanche G. North, Pope.	Annie H. Hall, Lincoln.
Ella H. Bucknam, Bell.	Luanna B. DeCatur, Hodgkins.
Alice W. Cunningham, Edgerly.	May E. Small, Lowe.
Louise V. Richardson, Glines.	

The meetings held under the auspices of this association in the year 1911 were as follows:—

February 9—Meyer Bloomfield, director of the Boston Vocation Bureau. Subject: "The Vocational Guidance of Youth."

March 16—Will Carleton, author and reader. Social evening.

May 11—Edwin Cortlandt Bolles, Ph.D., D. D., LL.D., professor of English and American History in Tufts College. Subject: "The Ideal Teacher."

October 11—Foy Spencer Baldwin, Ph.D., R. P. D., professor of political economy and social science in Boston University. Subject: "The War of Educational Ideals."

December 13—Ernst Hermann, director of physical education in the public schools of Cambridge, Mass. Subject: "The Growing Importance of Motor Education."

**SOMERVILLE TEACHERS' CLUB.****OFFICERS, 1911-1912.**

President, Miss Grace E. W. Sprague.

Vice-Presidents, { Miss A. Marion Merrill.  
Miss Lucia Alger.

Recording Secretary, Miss Blanche L. Paine.

Corresponding Secretary, Miss Mary S. Richardson.

Treasurer, Miss Elizabeth M. Warren.

**OBJECT.**

The object shall be to secure a close union among the women teachers in Somerville; to promote the spirit of mutual helpfulness; to advance professional interests; to create a deeper sense of the dignity of the profession; to unite the interests of home and school.

**PROGRAMME.**

- January 10—Reading of Henry Arthur Jones's play, "The Liars," Professor Thomas Crosby, Brown University.  
 January 24—Guest night. Mrs. Charlton Black, reader.  
 February 14—Eugene Field evening. Rev. and Mrs. Ernest C. Herrick.  
 February 20—Chafing-dish supper. Natalie A. Smith, chairman.  
 March 14—Musical. "Opera and the Work-a-Day World," Henry L. Gideon.  
 April 11—Lecture, "Reminiscences of Old Concord and Some of Its Noted People," Mrs. Sarah Hosmer Lunt.  
 April 21—A play, "Esmeralda," by the club members.  
 May 9—Annual meeting.  
 October 10—Musical. Reception to officers.  
 November 14—Reading, "Polly of the Circus," Ivaloo Pearl Eddy.  
 December 12—Dramatics. "A Musical Bouquet," presented by members of the club and their friends, under the direction of M. Katherine Davis.

### STATEMENT CONCERNING THE SOMERVILLE INDUSTRIAL SCHOOL FOR GIRLS.

On October 16 the Somerville Industrial School for Girls opened at 41 Atherton street, with an enrollment of forty-four girls, coming from both the grammar and high schools of the city, and from near-by towns.

The school occupies a roomy, well-lighted building, and has an equipment necessary for efficient trade instruction in dressmaking and millinery. This consists of specially-made cutting and sewing tables, sewing machines, including one power machine, and electric pressing irons. A Thermal gas heater supplies all the hot water needed, and paper towels and soapators are used throughout the building.

The aim of the school is to give girls between the ages of fourteen and twenty-five as thorough training as possible in the trades of dressmaking and millinery, fitting them for positions above that of the apprentice, and by supplementary training in English, arithmetic, and salesmanship making their advancement more certain; to give them, besides, cooking and household management, and to make them in all ways more capable wage-earners. Later, drawing, as it relates to the practical trade problems, will be introduced. There will also be studies in textiles, industrial history, and economics, and for those girls who seek a fuller knowledge of cooking and serving additional training will be given along the lines of domestic science.

Each trade course covers a period of two years. Attendance is required five days of the week from 8.45 to 4.30, with a noon recess. As nearly as possible shop conditions prevail, and the product of the school is furnished by custom work. A trade standard is required, and those failing to reach that are urged to find other work, that work being found for them by the school whenever circumstances so warrant. Investigation is now being made as to possible opportunities for the girls to earn something while still at school, and for those who are not able to profit by the instruction offered, as it is felt that every girl coming to the school should have the benefit of counsel and aid.

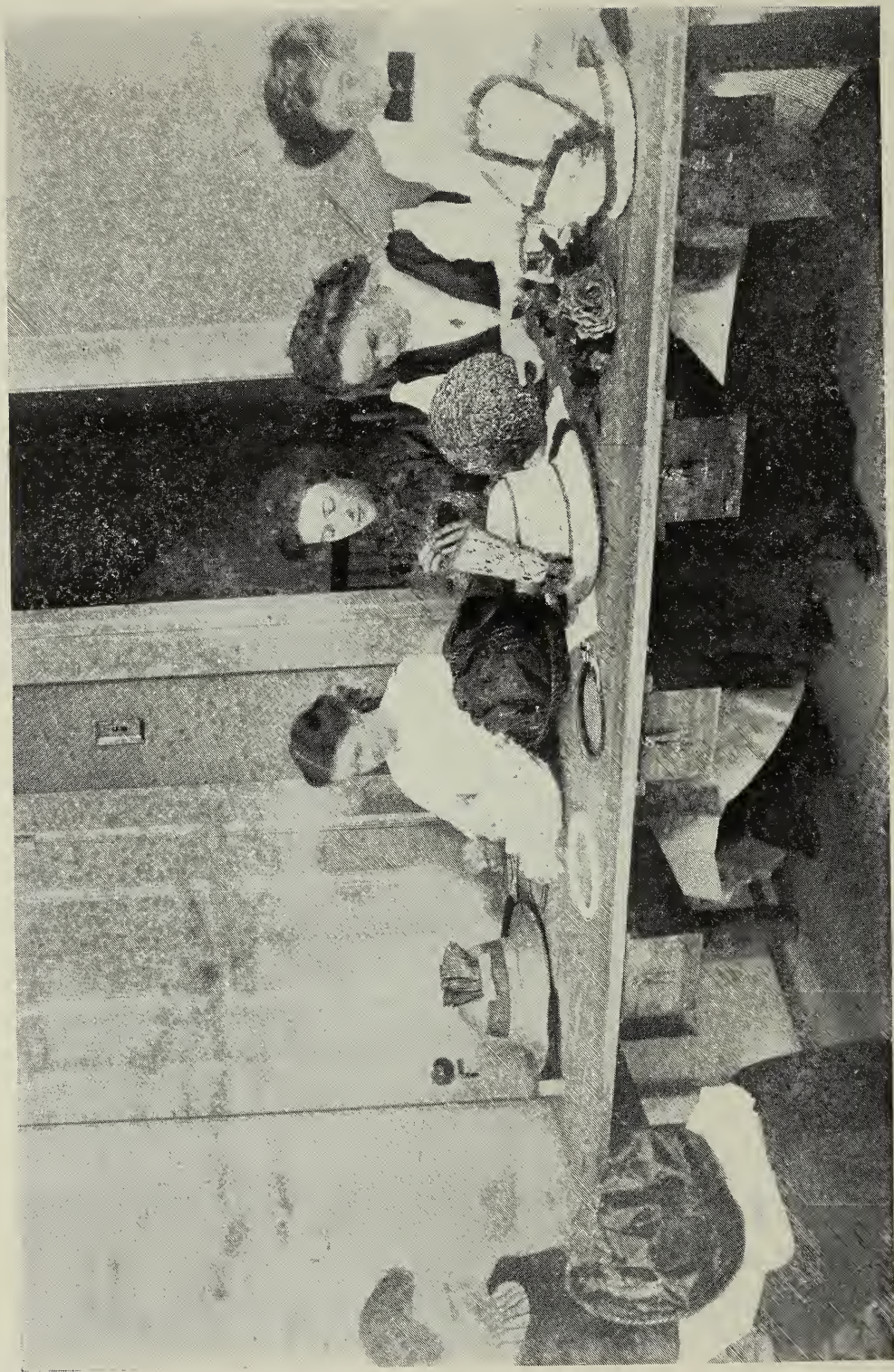
Both the departments are under the instruction of experienced trade women. In dressmaking the girl becomes a skilful sewer while making custom underwear, children's wear, shirt-waists, embroidered and fancy waists, cotton and silk dresses, and evening gowns.

By the millinery instruction the girl becomes a maker. She is taught to make wire and buckram frames, to sew straw, make straw and velvet hats, bands, bows, and trimmings.

English and arithmetic are adapted to the trade instruction







CLASS IN MILLINERY  
Somerville Industrial School for Girls

given. The problems of the trade class are worked out with the individual in the business class.

All the girls have cooking, and are encouraged to bring recipes from home to try in class, to estimate the cost of these, plan simple menus, arrange a simple luncheon or dinner, while all the white work is laundered by the girls under supervision.

In the talks on hygiene the girls learn the importance of good health to the wage-earner, the rules necessary to preserve good health, and the labor laws affecting the same. These talks are presented in a simple, practical way in the class, and by advice and suggestions to the individual.

It is proposed to have a summer school of six weeks to give the students the opportunity of additional training, without loss of time: All high school girls and grammar school girls over fourteen are eligible if they can meet the necessary requirements.

It is also proposed to open an evening school next October, offering advanced work in millinery and dressmaking for those already in the trade, costume designing and the making of paper and crinoline models for a special class. There will also be classes in dressmaking, millinery, and cooking for those whose home duties prevent their attendance during the day, and for the young girl wishing to advance by further training in cutting and draping.



## REPORT OF THE PRINCIPAL OF THE SOMERVILLE INDUSTRIAL SCHOOL FOR BOYS.

Mr. Charles S. Clark, Superintendent of Schools, Somerville:—

Dear Sir: The following report is intended to embody a statement of facts showing that the aim of the school is being realized:—

As the school will not have been in operation for two years until June, 1912, we have no graduates to whom we may point as examples of our product. But that the school has had no disqualifying effect is shown by the fact that of the eleven boys who did not return in September to complete their course, all but one left to go to work, and seven of them are working at skilled trades either as apprentices or under instruction.

Several boys for whom we found work during the summer vacation at the trades taught in the school gave good satisfaction, and their employers, as a result, are glad to take on all the boys we recommend. Superintendents made special mention of their attention to their work, of their avoidance of freshness, and readiness to do as they were told.

A comparison of the records of one year ago with those of to-day shows a marked contrast, notwithstanding the school was at that time naturally more attractive as a novelty:—

The average attendance, September to December, 1910, was 31.9; and from September to December, 1911, was 35.7.

The average membership, September to December, 1910, was 34.6; and from September to December, 1911, was 40.2.

The membership for the calendar year 1910 was 45, while that of 1911 was 71.

The school is now standing entirely on its merits.

One boy who attended the latter half of last year entered a technical school this fall, and was able to take up the mechanical work at a point somewhat in advance of students entering from other schools.

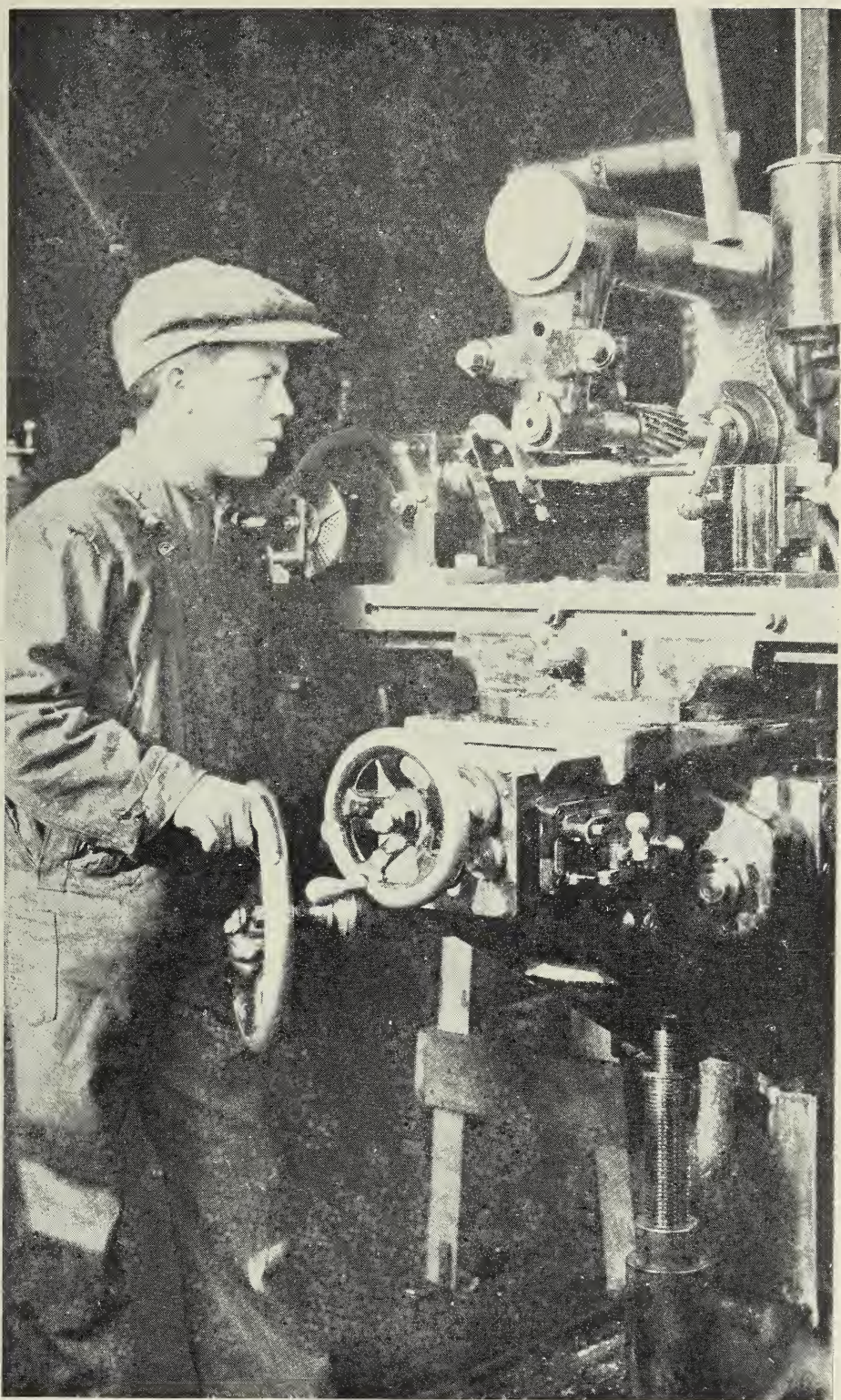
It is also worthy of note that the boys who come to us from higher grades are more appreciative of their opportunities and more devoted to their work than those who come from the lower grades.

The same is also true of those who receive the encouragement and attention of wide-awake parents.

With the exception of two or three who were *compelled* to go to work, these more fortunate boys have all come back to complete their course. It naturally follows that the membership this year is made up of a better class of boys. We regard these facts as evidence justifying the courses offered by the school.

On the one hand, the boys are not being exploited by the city or any private interest for gain, and they are not wasting





AT WORK ON THE MILLER  
Squaring an Arbor for Practical Use, Somerville Industrial School  
for Boys





their time in the shop or at study, either in play or in doing unpractical things.

On the other hand, the boys are continually confronted with mechanical, economic, social, and political problems, problems growing out of things to be made for real purposes inside and outside the school; problems growing out of the question of best methods of production; problems growing out of the natural clamor for equal privileges and opportunities; problems concerning the right use of property and privileges.

And the boys are assuming the rational attitude toward these problems. Frank presentation and discussion of every phase of industrial activity and citizenship puts the boys in an attitude of responsiveness.

The affairs of the school, owing to its genuine industrial character, call for the consideration and handling of questions as varied and numerous, and relatively as important as those attendant upon the operation of a regular enterprise.

These matters as far as desirable are brought up in general assembly, in accordance with parliamentary order, and laid open for discussion. Many erroneous impressions are thus removed, occasion for the most convincing and impressive reference to civil affairs, methods, and practices is afforded, a wholesome mental perspective is developed, and the foundation for self-discipline is laid, which is the secret not only of successful government in school, but in city and state as well.

The boys are receiving individual attention and instruction in shop and study department. A boy is given time to catch his stride before he is followed up very closely. When his individuality of interest begins to appear he receives direction and encouragement.

No text-books are used. Lessons are issued on separate sheets, and no effort is made to keep the boys together in progress.

Class demonstrations are given when practicable, in order to save time, but private help is found invariably preferable, and each boy is encouraged to bring his troubles to the instructor rather than remain baffled at any point. Individual environment is carefully considered where it is evidently an important factor in the boy's life. Outside employment, early and late hours of work, lack of parental attention are among the fruitful causes of indifferent progress.

No little part of the preliminary labor of instruction in industrial work is the overcoming of initial prejudices and misconceptions antagonistic to voluntary and self-governed application.

In the industrial school little time can be nor should be given to enforcing attention or supervising conduct. The single incentive to application, accuracy, and rapidity of produc-

tion is the desire of the student to succeed as an employee. The endless importance of this success is brought to the attention of the school and to particular boys in private interviews, as occasion arises. Success as an employee is shown to be the assurance of success in life, not only industrially, but socially, and these ideas are given their familiar and appealing application to the boy's personal affairs.

This motive of the shop is also the motive of the classroom. In fact, the subjects of study must be shown to be of practical value in substance and method of approach, or the interest necessary to "application, accuracy, and rapidity" of prosecution cannot be inspired.

Department is also determined by the grasp of this motive of industrial success on the part of each member of the school. Compulsion is effective only as a means of readjusting a boy's frame of mind to his circumstances and prospects, and cannot be depended upon in any degree as a direct method of control.

In short, the school stands upon a utilitarian basis that must be evident to pupils and parents, or it fails. And each aspect of its daily activity and routine must pass the same criticism with the same alternative.

The more closely a school of training adjusts and claims to adjust its instruction to the requirements of *life*, the more its activities must partake of life. A school of industrial trades *must* be continuously and completely adjusted to living requirements because the trades and the tradesmen of industry are modifying, discarding, and adopting usages and methods, view points and policies every day.

Of necessity such a school must avoid an elaborate and unwieldy system that would oppose itself to facile readaptation. The "machinery" of production of skilled workmen must suffer the constant alterations and additions, rejections and discardments to which the machinery of skilled labor itself and the systems of factory operation are subject.

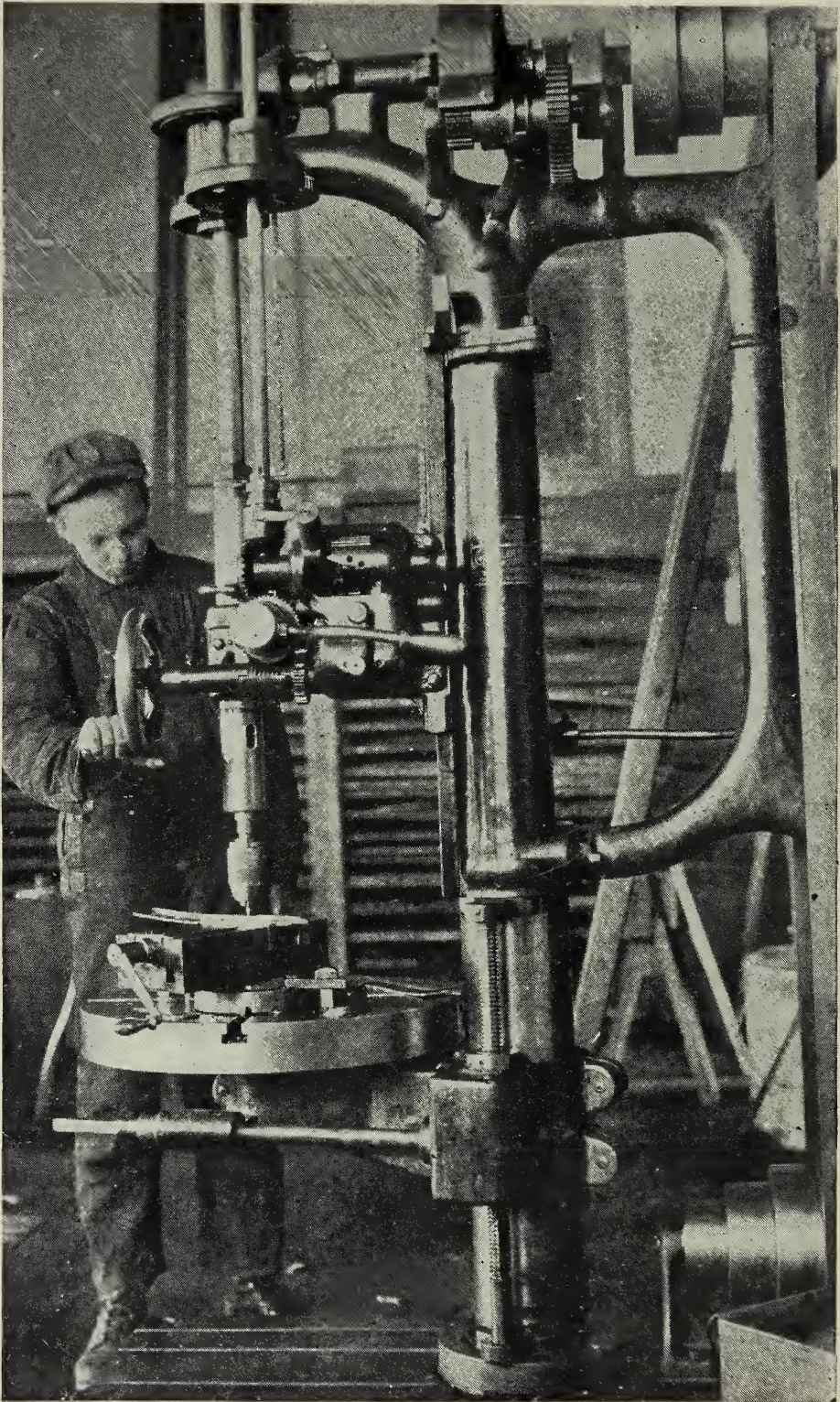
The eager sounds of intelligent and animated progress toward commercially valuable proficiency can be sustained in school only as the self-respecting intelligence of youth so engaged is conscious of a continual and increasing echo of the activities of successful men.

To be convincing the school of industry must set aside the pabulum, dug from text-books and prescribed by theory, and establish itself as a clearing house of current industrial, economic, social, and political thought, as a bureau of current applicable and practicable information. This thought and this information the school must present and impart to the boy through the practice which it gives to him in real, appropriate, and current industrial processes.

However elaborate, visionary, and unpractical these things







VICE WORK ON THE DRILL PRESS

Countersinking Drilled Holes for Screws, Somerville Industrial School  
for Boys

may appear on paper, they constitute the simple detailed significance of the common workman's daily life. The danger lies, not in falling short of ideals, but in overstepping the mark by too highly-wrought plans and methods. To see and interpret these things in simple processes and relations is to open the eyes of the youthful mind to the proper steps toward success.

Much attention has often been given to well-displayed furnishings and systems, and people have learned to judge success by the superficial observation of pretty refinements in system, equipment, and theory. But these are not life, they are the attenuated fragrance extracted from life.

These things are to be found in the Somerville Industrial School wrapped up in living activities. We invite no cursory inspection. We want the sympathetic investigation of citizens, officials, parents, and all others. We want them to know what we are doing, and what they think about it. We want their co-operation in an enterprise which we believe to be of the greatest significance at the present time to the youth of our city.

Respectfully submitted,

E. MINOR MORSE,  
Principal.

December 20, 1911.



## STATEMENT CONCERNING THE CONDUCT OF SUMMER PLAY- GROUNDS, SEASON OF 1911.

**I. Opening and Equipment.** The playground season for 1911 opened Wednesday, July 5. Nine grounds were opened, as follows: Boys' grounds, Lincoln Park, City Field, Glen Street; girls' grounds, Perry School, Boys' Club, Davis School, Hodgkins School, Morse School, Broadway Park. The Perry School yard took the place of the girls' corner in Lincoln Park. Kent Street, South Street, and Fellsway East were discontinued, and Glen Street and the Davis School were substituted. At the opening of the season there was one instructor on each of the boys' grounds and two women instructors were employed on the girls' grounds.

A great effort was made to have the grounds equipped for all the activities on the very first day, and this was accomplished in a good degree. Every ground had something to do with, so that there was no delay in starting. When the grounds were fully equipped, each girls' yard had basket ball goals, a tennis net and posts, a tether ball, sand boxes which were filled and ready for use, a basket ball, playground ball and bat, ring toss, tennis balls, and hand material. At the Perry and Hodgkins Schools a nine-swing and six-teeter iron frame and a canvas shelter over the sand boxes were new features. Later in the season five baby swings, placed under the Perry School shelter, showed the value of such equipment. The same outfit of swings and teeters added late in the season on City Field and Lincoln Park was a means of providing for a large number of the smaller boys on those grounds.

A new feature was supplying each ground with a good hose by means of which the grounds were kept free from dust and the sand in condition for moulding. In addition, this hose gave large numbers of children a drink in a very short time, and on hot days provided an excellent shower bath for those in bathing suits. At Lincoln Park a large hose loaned by the fire department provided on hot days a wading place for hundreds of children. The boys in bathing suits or old clothes were able to get a bath which was inferior only to a swim in the Mystic.

The boys' grounds were all supplied with a soccer football, which satisfied their desire to kick something, and helped to preserve the other material. In addition, they had baseballs and bats, basket balls, iron quoits, cricket, and volley ball.

**II. Policy.** Early in the season it became a problem whether the older boys, who came in numbers sufficient to demand special attention as a class by themselves, should be accommodated at the grounds which had been advertised as being for

girls and young children. It became evident that if they were allowed to remain on these grounds it would be impossible, under existing conditions, to make them places where girls and young children could play freely and mothers could come with their babies for rest and recreation in the open. Accordingly, the Perry, Morse, Davis, and Boys' Club yards were restricted to girls and young children. The number of girls, young children, and babies increased right away, and at the Perry the mothers came freely. Mothers came to other yards, but in no such numbers as there.

At Hodgkins and Broadway the boys were all allowed to remain, and such attention as was possible was given them. The larger boys from the other grounds were for the most part taken care of at Lincoln Park and City Field.

**III. Activities.** *A. Girls' Grounds.* The following general daily programme was given the instructors in each girls' yard: 9-11, active gymnastic games; use of swings, teeters, and sand boxes. 11-11.30, stories and hygiene talks. 2-3.45, hand work; swings, teeters, sand boxes, athletics, and games for those not engaged in hand work. 3.45-4.30, folk dancing, games, and flag salute.

Pilgrimages were made by groups from different grounds to Central and Powder House Parks and to Tufts' campus and museum by special permission. Picnics at City Point, Lexington Park, and Spot Pond were largely attended. Library books were furnished each yard for use by the playground children either in the yard or at home.

A closing festival was held on August 23 at Central Hill Park. A grand rainbow march was given, with about 400 children in line. Each playground gave at the same time a programme of dances and games. At 4.30 the bugle gave the signal, the lines formed again and marched to the monument, where they saluted the flag and sang "The Star-Spangled Banner" and "America."

An attractive exhibition of hand work was exhibited in a booth arranged under the trees.

*B. Boys' Grounds.* On the boys' grounds this year the aim has been to get as much activity centred in every playground as possible, and at the same time to provide plenty of inter-playground competition. This has been fairly well accomplished by keeping accurate account of all games and athletic meets and by comparing the different grounds as to their number of badge winners, or record holders, or baseball teams. The Athletic Badge Competition gained the interest of the boys and gave them a basis on which to work for their physical development, and also something to look forward to from year to year. The same is true in baseball, where the cups will serve



as suitable trophies for some time. By keeping the records of athletics the performances of future years can be compared and a sentiment built up about each ground which will make it more than just a place on which to play ball for a few weeks in the summer. The boys are trying more and more to keep up the reputation of their respective grounds, and this bids fair to continue. It is noticeable that many of the boys who are now on the older teams were the little fellows during the first playground seasons. As they have grown they have in a way been graduated from the third team to the second and first. This is surely a good sign, and it is by these boys that the work should be judged, rather than by those who made up the older teams during the first year and were only influenced for a short time. The boys who have come up through this system of playground advancement are truly fine, manly little fellows who have a good idea of clean sport. Baseball has been the popular game of the boys' grounds, and consequently has been given the greatest attention, but athletics have taken a greater hold on the boys than ever before.

Swimming was not developed this summer to any extent except during the very hot time at the opening of the season. The fact that some of the supervisors could not swim and the necessity of leaving the grounds unsupervised when the instructor went away made it seem advisable not to emphasize this work. It is, however, a very important part of summer work and should be developed. Every instructor should be able to swim, and with two on every ground, one could leave without closing the ground. There are, however, many boys at the Somerville bathing beach who do not frequent any playground, and it would be an excellent move on the part of the playgrounds to place a swimming instructor at that beach, as the bathhouse employees are not hired and do not have the time to teach swimming. It seems that this should be taken up by the playgrounds.

On the boys' grounds this year an effort was made to get the name, age, and address of every boy who came to the playground. It was impossible to obtain the names of transients who just drifted in for a few times, but the information was recorded for all the boys who regularly attended the several grounds. These lists show that 250 boys regularly came to City Field, 240 to Lincoln Park, and 119 to Glen Park.

*C. Attendance.* The total attendance for July and August was 74,037; the daily average for the season was 2,103. This means that there was a daily average attendance of 232 children on each of nine grounds, an average of 116 children each half-day on each of the nine grounds.

**IV. Expenditures**

Amount appropriated .....		\$1,600.00
Paid for salaries of supervisors and instructors and for services of janitors in collecting and storing movable apparatus each night.....	\$528.80	
Paid for equipment:—		
Pipe and supplies,—swings, teeters, awnings, frames, etc., and basket ball goals .....	\$237.26	
Lumber,—used in making slides, basket ball standards, jumping standards, teeter boards, etc., made at the industrial school for boys.....	89.38	
Labor,—making slides, basket ball standards, jumping standards, etc., and putting together and installing swings, teeters, awning frames, etc...	273.08	
Teaming,—distributing apparatus and heavy supplies to various playgrounds, and collecting and storing supplies at the end of the season.....	41.43	
Awnings, hammocks,—purchase of hammocks, material for and making awnings provided for Perry School grounds .....	35.10	
Hose,—750 feet furnished various grounds in fifty-foot lengths for laying the dust and wetting sand boxes..	86.35	
	<hr/>	762.60
Athletic supplies:—		
Base balls, bats, basket balls, volley balls, indoor base balls, croquet sets, quoits, etc. ....	\$164.83	
Cups, medals, and badges.....	60.92	
	<hr/>	225.75
Miscellaneous supplies and disbursements.....		80.82
Balance unexpended .....		2.03
		<hr/>
	\$1,600.00	\$1,600.00
Somerville Playgrounds Association:—		
Amount raised .....		1,201.93
Paid for salaries of supervisors and instructors....	958.83	
Paid for supplies.....	77.95	
Miscellaneous disbursements .....	46.75	
Balance unexpended .....	118.40	
	<hr/>	
	\$1,201.93	
		<hr/>
Grand total, whole amount raised.....		\$2,801.93

**STATEMENT CONCERNING THE SUBSTITUTION OF SCHOOL SAVINGS BANKS FOR THE STAMP SAVINGS SYSTEM, INCLUDING A REPORT FOR THE YEAR 1910-1911.**

The first of May, 1911, marked the close of the ninth and last year of the practical teaching of thrift in the public schools of Somerville by means of the stamp savings system, which the Associated Charities, with the co-operation of the teachers in the lower-grade schools, has conducted as one of the important possible measures of forestalling poverty.

At the close of the term there was no thought of the stamp savings system being superseded by a better one, but unforeseen circumstances have since opened the way for the Associated Charities to withdraw its volunteer forces thus engaged and, at the same time, have the gratifying assurance that a better method of encouraging thrift will be conducted by the school authorities and the Somerville Institution for Savings.

Following the passage by the legislature of an act to authorize savings banks to receive deposits from school children, which will be found in Chapter 211, Acts of 1911, it became evident that the time had arrived when the Associated Charities could properly transfer the burden of conducting the work of teaching thrift to pupils of the public schools to the school organization itself. Accordingly, conferences were held between representatives of the Associated Charities and the Superintendent of Schools, with the result that a proposition to establish school savings banks in the schools of Somerville was submitted to the School Board and by that body approved September 29, 1911. The Somerville Institution for Savings was invited to co-operate with the school department in establishing the new system, and as the year drew to a close it was practically certain that it would undertake this work. In the meantime the masters of the grammar schools, thirteen in number, had voted unanimously to establish the school banks in their respective buildings as soon as the Institution for Savings should be ready to begin the work and to supply the necessary blanks. Below is printed a copy of the ninth report of the Stamp Savings System, furnished by its secretary, Miss Emma S. Keyes, May 18, 1911:—

## NINTH REPORT OF THE STAMP SAVINGS SYSTEM.

1909-10		1910-11		1910-11			
School.	Rooms.	Cards Sold.	Collec- tions.	Banked.	Cashed.	Nine Years Collections	
\$388.20	Bingham	16	365	\$603.79	\$206.06	\$352.56	\$3,426.86
443.54	Prescott	12	354	565.50	297.33	219.77	4,878.55
627.67	Carr	17	280	493.80	245.75	294.72	5,448.42
507.57	Edgerly	12	301	492.21	372.22	178.85	5,903.81
467.18	Glines	13	230	486.91	385.83	121.24	5,521.28
440.00	Morse	12	300	432.00	128.91	308.93	4,933.74
427.23	Forster	18	263	425.66	206.33	185.63	5,993.55
504.22	Bennett	11	312	388.27	92.44	340.30	4,246.71
310.74	Hodgkins	14	178	387.81	174.84	185.47	3,566.94
583.42	Knapp	13	246	311.30	88.66	258.89	3,732.23
249.93	Hanscom	10	288	302.09	85.29	144.19	1,906.84
277.07	Burns	8	151	289.38	201.44	68.53	3,486.35
218.84	Lincoln	4	133	268.39	168.58	73.66	1,715.14
281.83	Bell	12	183	264.06	105.80	149.24	3,323.61
292.23	Brown	10	112	250.86	202.44	80.30	2,411.80
175.78	Cummings	4	135	239.02	113.67	83.70	2,162.41
237.42	Baxter	6	165	230.36	77.23	134.94	1,615.86
264.71	Highland	12	100	227.40	144.64	139.70	2,984.98
172.95	Proctor (1905)	9	Not settled	184.99	130.91	75.57	1,492.58
243.51	Lowe (1903)	8	165	177.37	101.59	101.72	2,160.09
231.28	Pope	12	172	156.75	64.25	102.10	2,514.11
177.90	Durell	4	100	156.45	51.30	99.79	1,590.03
184.16	Perry	6	135	150.49	53.28	128.76	1,240.57
107.44	Davis				30.90	31.30	1,524.95
Boys' Club							23.63
No schools given						15.41	
Discrepancies						11.57	
<b>\$7,814.82</b>				<b>\$7,484.86</b>	<b>\$3,729.69</b>	<b>\$3,886.84</b>	<b>\$77,805.04</b>
Losses not made good			4.71			Banked	42,656.87
						Cashed	29,720.82



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## SUMMARY OF STATISTICS.

## 1.—POPULATION AND SCHOOL CENSUS.

Population, state census, 1895.....	52,200
Population, United States census, 1900.....	61,643
Population, state census, 1905.....	69,272
Population, United States census, 1910.....	77,236
Children between five and fifteen years of age, October, 1910, by school census.....	12,112
Children between five and fifteen years of age, October, 1911, by school census.....	12,758
Increase .....	646

## 2.—SCHOOL BUILDINGS.

	1910.	1911.	Change.
Number of school buildings.....	26	27	+1
Number of classrooms in use in December .....	281	281	0
Valuation of school property....	\$1,463,381	\$1,507,112	

## 3.—TEACHERS.

	1910.	1911.	Change.
In high schools.....	63	62	-1
In grammar schools.....	168	169	+1
In primary schools.....	86	83	-3
In kindergartens .....	8	7	-1
Total in elementary schools.....	262	259	-3
Industrial school for boys.....	3	4	+1
Industrial school for girls.....		6	+6
Atypical class .....	1	1	0
Cadet teachers .....	1	2	+1
Special .....	9	9	0
Total .....	339	343	+4

## 4.—ATTENDANCE FOR YEAR.

	1910.	1911.	Change.
Entire enrollment for the year.....	14,481	14,301	-180
Average number belonging.....	12,131	11,871	-260
Average number attending.....	11,435	11,186	-249
Per cent. of daily attendance.....	94.3	94.2	-0.1
High school graduates.....	267	277	+10
Grammar school graduates.....	743	743	0

## 5.—ATTENDANCE IN DECEMBER.

	1910.	1911.	Change.
Whole number attending.....	13,862	13,734	-128
In private schools.....	1,803	1,811	+8
In public schools.....	12,059	11,923	-136
In high schools.....	1,726	1,781	+55
In elementary schools.....	10,084	9,822	-262
In kindergarten .....	200	217	+17
In industrial school for boys.....	33	42	+9
In industrial school for girls.....	0	46	+46
In atypical school.....	16	15	-1
In first grade.....	826	1,083	+257
In second grade.....	1,358	924	-434

	1910.	1911.	Change.
In third grade.....	1,354	1,314	—40
In fourth grade.....	1,269	1,290	+21
In fifth grade.....	1,258	1,206	—52
In sixth grade.....	1,165	1,239	+74
In seventh grade.....	1,067	1,076	+9
In eighth grade.....	953	914	—39
In ninth grade.....	834	776	—58

## 6.—COST OF SCHOOL MAINTENANCE.

	1910.	1911.	Change.
Salaries of teachers.....	\$292,398.47	\$293,267.30	\$+868.83
Salaries of officers.....	6,021.77	7,125.80	+1,104.03
Cost of books and supplies..	26,292.14	24,968.48	—1,323.66
Cost of light.....	6,108.92	4,750.65	—1,358.27
Cost of janitors' services...	25,802.51	26,031.12	+228.61
Cost of fuel.....	14,003.46	14,907.12	+903.66
Telephones .....	595.36	528.63	—66.73
Total cost of day and even- ing schools .....	371,222.63	371,579.10	+356.47
Per capita cost.....	28.67	29.07	+0.40
Cost of high school instruc- tion .....	71,597.03	73,302.95	+1,705.92
Per capita cost.....	42.62	42.69	+0.07

## 7.—MISCELLANEOUS.

	1910.	1911.	Change.
Paid for new school buildings .....	0	\$7,148.74	+\$7,148.74
Repairs and permanent improvements ....	\$21,864.11	18,911.04	—2,953.07
Total school expendi- tures .....	393,086.74	397,638.88	
Valuation of city.....	66,376,338.70	67,284,066.00	
Number of dollars spent to maintain schools out of every \$1,000 of valuation .....	5.59	5.52	—0.07
Number of dollars spent for all school purposes out of every \$1,000 of valuation .....	5.92	5.98	+0.06

**Cost of the Schools.** The total amount spent for the maintenance of the schools of Somerville in 1911 is \$371,579.10. This does not include the sums spent on schoolhouse repairs and for new buildings. It does cover the amount paid for the care of school buildings, for janitors' services, fuel, light, and school telephones. This expenditure is wholly in charge of the city government.

The amount paid for janitors is.....	\$26,031.12
The cost of fuel is.....	14,907.12
The cost of light is.....	4,750.65
The cost of the school telephones is.....	528.63
A total of.....	\$46,217.52
The cost per capita.....	3.89
Cost of repairs.....	\$18,911.04

The second important expenditure is wholly under the control of the Board, and is covered by what is known as the "School Contingent" appropriation. The following is the itemized account:—

Officers' salaries .....		\$7,125.80
Books .....	\$7,056.42	
Stationery .....	4,438.87	
Laboratory and manual training supplies .....	2,552.89	
Bookkeeping blanks .....	261.98	
Writing books .....	1.09	
Maps, charts, etc.....	103.97	
Drawing .....	981.89	
Typewriters and supplies.....	874.22	
Printing .....	1,445.65	
Telephones .....	239.49	
Postage .....	219.74	
Travel .....	172.53	
Expressage .....	121.64	
Bookbinding .....	862.52	
Board of truants.....	548.72	
Census .....	349.00	
Kindergarten supplies .....	222.51	
Graduation exercises .....	503.55	
Repairing and tuning pianos.....	33.00	
Tuition for pupils in Boston Trade School for Girls.....	747.84	
Tuition for pupil in Medford school.....	30.00	
Industrial school for boys.....	2,037.60	
Industrial school for girls.....	391.60	
Atypical school .....	20.43	
Miscellaneous .....	751.33	
	<hr/>	
Total for school supplies, etc.....		24,968.43
		<hr/>
Total outlay on school contingent account.....		\$32,094.28
Appropriation .....		31,000.00
		<hr/>
Deficiency .....		\$1,094.28
Received for damage to school property, tuition of state wards, non-residents, etc.....		1,101.40
		<hr/>
Balance .....		\$7.12

The third, and by far the largest, element of the cost of schools is the sum spent for the salaries of teachers. The following shows the monthly payments:—

January .....	\$30,039.26
February .....	29,959.75
March .....	29,518.75
April .....	28,612.65
May .....	28,654.88
June .....	28,559.01
September .....	28,300.50
	<hr/>
Amount carried forward . . . . .	\$203,644 80



Amount brought forward .....	\$203,644.80
October .....	29,899.62
November .....	30,328.13
December .....	29,394.75
<b>Total .....</b>	<b>\$293,267.30</b>
Amount of appropriation.....	295,000.00
<b>Balance .....</b>	<b>\$1,732.70</b>

The estimate of the School Board for teachers' salaries amounted to \$309,870. The expenditure was \$16,602.70 less.

The total outlay for all school purposes in 1911 was as follows:—

Care of schoolhouses.....	\$46,217.52
Administration .....	7,125.80
School supplies .....	24,968.48
Teachers' salaries .....	293,267.30
<b>Total for school maintenance.....</b>	<b>\$371,579.10</b>
Paid for repairs.....	18,911.04
<b>Total for all school purposes.....</b>	<b>\$390,490.14</b>

Each dollar of the sum spent for the support of schools has been divided in the following proportion:—

	1906.	1907.	1908.	1909.	1910.	1911.
Janitors' salaries ..	\$0.070	\$0.070	\$0.070	\$0.071	\$0.070	\$0.071
Heat and light.....	0.052	0.057	0.051	0.052	0.054	0.053
Administration ....	0.016	0.016	0.015	0.015	0.017	0.019
School supplies ....	0.070	0.072	0.072	0.061	0.071	0.068
Teachers' salaries ..	0.792	0.785	0.792	0.801	0.788	0.789
<b>Total .....</b>	<b>\$1.000</b>	<b>\$1.000</b>	<b>\$1.000</b>	<b>\$1.000</b>	<b>\$1.000</b>	<b>\$1.000</b>

**Per Capita Cost.** The proper method of comparison of the cost of schools year by year is to consider the sum spent for each pupil in the average membership. In this computation we exclude the cost of evening schools, the sum being so large as possibly to mislead. The following shows

**THE PER CAPITA COST OF DAY SCHOOLS FOR 1910 AND 1911.**

	High Schools.			Grammar and Primary Schools.			All Day Schools.		
	1911.	1910.	Increase.	1911.	1910.	Increase.	1911.	1910.	Increase
Instruction . . .	\$42 85	\$42 62	\$0 23	\$21 18	\$20 93	\$0 25	\$24 68	\$24 02	0 66
Supplies . . . .	4 78	4 84	-0 06	1 36	1 65	-0 29	2 06	2 11	-0 05
Care . . . . .	5 08	5 12	-0 04	3 45	3 41	0 04	3 77	3 64	0 13
<b>Total . . . .</b>	<b>\$52 71</b>	<b>\$52 58</b>	<b>\$0 13</b>	<b>\$25 99</b>	<b>\$25 99</b>	<b>\$0 00</b>	<b>\$30 51</b>	<b>\$29 77</b>	<b>\$0 74</b>

Including the cost of maintenance of evening schools, the per capita cost is as follows:—

	1908.	1909.	1910.	1911.
Cost of instruction.....	\$24.21	\$24.06	\$23.05	\$23.50
Cost of supplies.....	2.17	1.76	2.03	1.95
Cost of care.....	3.65	3.66	3.59	3.62
Total .....	\$30.03	\$29.48	\$28.67	\$29.07

An examination of these tables shows that we have paid \$0.23 more for the instruction of each pupil in the high school than in 1910, and six cents less per pupil for supplies.

The grammar and primary schools have cost twenty-five cents more per pupil for instruction, and twenty-nine cents less for supplies.

According to the Annual Report of the State Board of Education for 1910-'11, the amount yielded for each child in the average membership of the public schools was \$29.89, giving to Somerville the rank of 109 among the cities and towns of Massachusetts. In 1909-'10 the rank was 93. By the same report it is shown that Somerville appropriated to the support of the public schools \$5.59 for each thousand dollars of valuation, and had the rank of 132. The year before the amount spent was \$5.75 and the rank 121.

The amount spent for the fiscal year 1911 was \$5.52, or seven cents less than that spent in 1910. The amount yielded for each child in the average membership of the schools for 1911, not including the industrial schools, was \$28.46.

**Teachers' Salaries.** The salaries paid to teachers in January, 1912, are as follows:—

1 man .....	\$3,100	3 women .....	\$800
4 men .....	2,000	17 women .....	775
8 men, 2 women.....	1,900	1 woman .....	750
2 men .....	1,800	7 women .....	725
7 men .....	1,700	187 women, 1 man.....	700
1 man, 1 woman.....	1,600	5 women .....	650
3 men .....	1,500	19 women, 1 man.....	600
3 men .....	1,400	3 women .....	525
4 men, 1 woman.....	1,300	3 women .....	500
3 women .....	1,200	2 women .....	425
2 men .....	1,050	3 women .....	350
3 men, 14 women.....	1,000	1 woman .....	320
21 women .....	900	2 women .....	275
4 women .....	850	2 women .....	200
2 women .....	825		

**Sight and Hearing.**

The following gives the results of the eye and ear test:—

EYES.			
	1910.	1911.	Change.
Tested .....	11,136	10,794	—342
Defective .....	1,733	1,822	+89
Per cent. defective.....	15.6	16.9	+1.3
Notices sent to parents.....	1,179	1,098	
Professionally treated .....	128	181	
EARS.			
	1910.	1911.	Change.
Tested .....	11,441	11,303	—138
Defective .....	332	292	—40
Per cent. defective.....	2.9	2.6	—0.3
Notices sent to parents.....	219	202	
Professionally treated .....	27	33	







CLASSIFIED STATEMENT SHOW

SCHOOLS.	SALARIES.					Admission	Text-Books.	Reference Books.	White Paper.	Manila Paper.	Blank Books	Pencils, Pens, etc.	Writing Books.	Maps and Charts.	Book-binding.	Principals' Disbursements.	Kindergarten Supplies.	Piano Tuning, etc.	Travel.	Miscellaneous	Drawing Supplies.	Manual Training.	Mending Tape, Paste, etc.	Printing.
	Regular.	Substitute.	Special.	Kindergarten.	Total.																			
*Latin .....	\$13,850 75	\$203 00	\$84 96	.....	\$14,138 71	.....	\$319 33	\$7 48	\$29 85	\$90 72	\$67 45	\$16 59	.....	.....	.....	.....	.....	.....	.....	\$2 92	.....	\$1 00	\$1 07	
*English .....	30,130 50	90 00	198 36	.....	30,418 86	.....	123 18	4 00	432 91	108 00	144 57	160 91	.....	.....	\$4 20	.....	.....	\$ 50	\$4 00	48 68	\$111 06	\$47 88	3 10	20 67
†High .....	28,426 50	130 00	188 88	.....	28,745 38	.....	1,806 67	43 95	.....	.....	112 56	39 20	.....	\$14 20	\$282 36	.....	.....	.....	.....	150 24	1,352 59	.....	197 53	
Prescott .....	9,902 50	428 75	538 13	.....	10,869 38	.....	366 90	.....	15 70	21 71	9 45	36 25	.....	1 14	15 53	.....	\$ 75	3 00	18 36	6 80	8 97	52 77	1 67	4 02
Hanscom .....	7,021 00	579 00	160 20	\$978 25	8,738 45	.....	97 87	2 05	15 80	19 62	3 86	31 18	.....	19 27	18 87	.....	54 35	.....	.....	18 33	12 12	20	4 63	2 83
Bennett .....	7,158 25	122 50	174 39	887 15	8,312 29	.....	166 85	.....	8 07	31 94	3 75	24 01	.....	90	.....	.....	30 54	.....	.....	12 60	75	1 70	95	4 46
Baxter .....	3,606 50	66 88	95 25	872 62	4,641 25	.....	75 64	.....	35 12	28 84	3 54	21 85	.....	8 97	6 63	.....	13 91	.....	.....	8 17	6 93	5 29	3 93	
Knapp .....	9,997 88	818 00	675 43	.....	11,491 31	.....	299 17	.....	105 30	55 02	24 73	58 69	.....	1 74	68 81	.....	20	50	.....	16 25	9 10	52 95	6 89	4 75
Perry .....	3,737 63	416 75	131 96	.....	4,286 34	.....	60 43	.....	33 56	18 71	.....	15 91	.....	36	.....	.....	1 62	.....	.....	14 19	5 50	5 83	62	1 59
Pope .....	10,383 25	30 50	566 90	.....	10,980 65	.....	253 44	10 35	62 03	45 58	9 45	28 47	.....	90	23 12	.....	35	4 00	.....	5 16	30 17	80 86	2 36	4 01
Be <sup>n</sup> .....	9,391 75	23 00	535 60	.....	9,950 35	.....	304 21	.....	66 38	28 89	13 24	38 98	.....	1 20	57 29	.....	10 47	.....	.....	19 05	11 60	45 58	1 15	6 56
Cummings .....	2,425 25	38 25	50 89	.....	2,514 39	.....	68 19	.....	1 91	6 48	.....	3 00	.....	4 82	.....	.....	4 40	.....	.....	4 35	5 16	.....	1 43	1 08
Edgerly .....	9,312 50	465 75	591 46	.....	10,369 71	.....	169 17	.....	56 16	8 14	13 85	46 22	.....	54	46 92	.....	.....	.....	.....	19 55	23 79	71 09	56	4 50
Glines .....	10,375 13	35 25	577 25	1,025 00	12,012 63	.....	99 88	.....	76 66	45 50	2 50	38 19	.....	.....	11 05	.....	48 23	.....	.....	16 10	22 44	41 27	5 35	2 43
Eorster .....	13,926 75	75 50	702 11	.....	14,704 36	.....	372 77	.....	98 22	45 44	11 96	35 39	.....	62	28 05	.....	6 68	.....	.....	22 28	14 79	84 17	2 44	4 94
Bingham .....	12,725 25	866 25	690 93	.....	14,282 43	.....	333 32	.....	71 18	33 80	15 40	24 56	.....	10 97	45 50	.....	1 76	3 50	2 67	27 22	12 56	49 53	9 42	7 44
Carr .....	13,219 50	456 25	764 47	.....	14,440 22	.....	318 18	.....	82 66	35 82	21 61	50 31	.....	19 48	43 35	.....	18 82	5 00	.....	19 57	26 66	49 56	7 50	3 85
Morse .....	9,285 12	564 00	579 97	.....	10,429 09	.....	188 18	.....	44 13	27 64	15 75	37 95	.....	1 44	20 74	.....	3 88	2 00	8 80	11 52	18 12	32 23	3 96	5 30
Proctor .....	5,847 50	93 00	182 36	.....	6,122 86	.....	63 31	.....	61 12	12 94	2 81	11 84	.....	.....	30 94	.....	57	.....	.....	2 67	5 75	8 84	62	3 15
Durell .....	2,785 25	144 50	58 27	.....	2,988 02	.....	50 16	.....	19 99	8 57	1 25	3 52	.....	27	8 61	.....	1 52	.....	.....	4 66	7 60	.....	1 31	99
Burns .....	5,640 25	418 75	177 00	.....	6,266 00	.....	178 50	.....	39 81	32 97	3 75	32 19	.....	13 07	.....	.....	4 68	.....	.....	7 10	11 26	7 43	1 42	2 96
Brown .....	8,354 25	315 00	454 99	.....	9,124 24	.....	167 73	.....	33 46	14 64	8 13	37 28	.....	2 50	41 82	.....	1 20	6 00	10 39	26 26	17 22	37 87	7 34	3 50
Highland .....	9,982 00	288 00	717 29	.....	10,987 29	.....	409 87	.....	89 44	47 07	18 90	24 53	.....	6 15	43 80	.....	.....	6 50	16 76	25 23	17 74	63 88	5 72	2 70
Hodgkins .....	12,092 64	436 50	751 41	.....	13,280 55	.....	391 89	.....	122 08	21 75	23 53	12 33	.....	60	59 10	.....	1 82	2 00	1 08	22 87	24 33	53 45	6 30	3 79
Lincoln .....	2,907 50	563 75	58 27	.....	3,529 52	.....	114 84	.....	25 53	14 99	.....	18 30	.....	5 12	4 25	.....	9 20	.....	.....	3 87	10 91	.....	1 80	1 05
Lowe .....	6,067 75	92 25	115 02	.....	6,275 02	.....	110 88	.....	19 03	33 61	75	37 33	\$1 09	.....	5 78	.....	5 44	.....	.....	7 25	3 27	.....	.....	4 44
Atypical .....	775 00	.....	.....	.....	775 00	.....	.....	.....	2 25	1 74	32	1 99	.....	.....	.....	.....	.....	.....	.....	.....	1 01	.....	59	.....
Industrial, Boys.....	3,660 00	.....	100 00	.....	3,760 00	.....	52 88	.....	.....	.....	.....	.....	.....	.....	51	.....	.....	.....	2 30	180 02	97 65	.....	.....	22 50
Industrial, Girls.....	1,515 00	.....	.....	.....	1,515 00	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	55 22	.....	.....	.....	23 85
Evening, High.....	4,207 00	.....	.....	.....	4,207 00	.....	.....	.....	21 58	4 32	1 25	17 10	.....	.....	.....	.....	.....	.....	.....	11 35	136 83	.....	.....	50 80
Evening, Bell.....	2,442 00	.....	.....	.....	2,442 00	.....	19 80	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1 00	.....	.....	13 17
Evening, Highland.....	639 00	.....	.....	.....	639 00	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1 00	.....	.....	7 08
Miscellaneous .....	.....	.....	.....	.....	.....	.....	24 68	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	726 45
Administration .....	.....	.....	.....	.....	.....	\$7,125 80	.....	20 51	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	101 97	208 06	1 12	.....	4 58	382 42
Stock .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Totals .....	\$271,791 15	\$7,791 38	\$9,921 75	\$3,763 02	\$293,267 30	\$7,125 80	\$7,007 92	\$89 99	\$1,669 98	\$849 45	\$534 36	\$909 07	\$1 09	\$114 26	\$863 03	\$4 20	\$225 08	\$33 00	\$166 83	\$865 03	\$804 65	\$2,139 63	\$88 00	\$1,529 81

\* 6 months } Due to the consolidation of the two high schools.  
 † 4 months }

NT SHOWING DISTRIBUTION OF EXPENDITURES CONTROLLED BY THE SCHOOL BOARD

Printing.	Expressage.	Graduation.	Laboratory Supplies.	Typewriters and Supplies.	Postage.	Biology.	Neostyle Supplies, etc.	Bookkeeping Blanks.	Cooking Supplies.	Reed, Raphia, Looms, Needles.	Stationery.	Sewing Machines.	Sewing Material.	Scissors, Needles, Pins, etc.	Iron and Steel.	Screws, etc.	Board of Truants.	Newsboy Badges.	Census.	Tuition.	Telephones.	Clerical Service.	Machinery.	Lumber.	Paints, Oils, etc.	Tools.	
\$1 07	\$ 20	\$113 06	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
20 67	5 40	155 43	\$143 92	\$32 05	\$14 82	\$6 83	\$31 80	\$8 00	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
197 53	9 68	72 00	560 45	787 49	.....	25 25	4 00	151 59	\$130 16	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
4 02	2 10	7 32	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
2 83	2 55	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
4 46	1 90	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
3 93	1 60	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
4 75	8 55	17 05	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1 59	75	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
4 01	75	7 93	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
6 56	1 25	14 45	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1 08	80	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
4 50	1 40	8 65	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
2 43	1 05	14 85	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
4 94	35	17 05	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
7 44	2 05	6 73	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
3 85	55	12 30	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
5 30	97	12 85	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
3 15	60	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
99	45	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
2 96	85	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
3 50	2 20	6 85	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
2 70	2 00	18 33	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
3 79	1 68	13 05	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1 05	40	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
4 44	1 00	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
22 50	16 34	.....	.....	51 00	.....	.....	45 65	.....	.....	.....	\$74 86	.....	.....	.....	\$203 20	\$139 02	.....	.....	.....	.....	.....	\$1 40	\$14 50	\$332 39	\$114 11	\$690 56	
23 85	1 90	.....	.....	50 55	3 25	.....	.....	.....	.....	.....	21 49	\$23 00	\$74 31	\$43 04	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
50 80	1 05	5 12	.....	40 00	5 00	.....	.....	90 39	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
13 17	35	6 20	.....	.....	20 27	.....	.....	14 65	.....	.....	5 33	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
7 08	30	2 50	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
726 45	57 70	.....	.....	.....	.....	.....	.....	.....	.....	.....	5 70	.....	.....	.....	.....	.....	\$548 72	\$20 45	\$349 00	\$777 84	.....	.....	.....	.....	.....	.....	
382 42	8 95	.....	.....	15 68	199 92	.....	.....	.....	.....	.....	97 77	.....	.....	.....	.....	.....	.....	.....	.....	.....	\$239 49	.....	.....	.....	.....	.....	
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
\$1,529 81	\$137 67	\$511 72	\$704 37	\$976 77	\$243 26	\$32 08	\$131 45	\$264 63	\$214 65	\$30 03	\$205 15	\$23 00	\$74 31	\$43 04	\$203 20	\$139 02	\$548 72	\$20 45	\$349 00	\$777 84	\$239 49	\$1 40	\$14 50	\$332 39	\$114 11	\$690 56	

Tools.	Stock.	Totals.	SCHOOLS.
.....	.....	\$649 67	Latin*
.....	.....	1,661 91	English*
.....	.....	5,739 92	High†
.....	.....	572 44	Prescott
.....	.....	303 53	Hanscom
.....	.....	288 42	Bennett
.....	.....	220 42	Baxter
.....	.....	729 70	Knapp
.....	.....	159 07	Perry
.....	.....	568 93	Pope
.....	.....	620 30	Bell
.....	.....	101 62	Cummings
.....	.....	470 54	Edgerly
.....	.....	425 50	Glines
.....	.....	745 15	Forster
.....	.....	657 61	Bingham
.....	.....	715 22	Carr
.....	.....	435 46	Morse
.....	.....	205 16	Proctor
.....	.....	113 90	Durell
.....	.....	335 99	Burns
.....	.....	426 04	Brown
.....	.....	798 62	Highland
.....	.....	761 65	Hodgkins
.....	.....	210 26	Lincoln
.....	.....	234 92	Lowe
.....	.....	37 93	Atypical
\$690 56	.....	2,038 89	Industrial, Boys
.....	.....	381 60	Industrial, Girls
.....	.....	384 79	Evening, High
.....	.....	80 77	Evening, Bell
.....	.....	10 88	Evening, Highland
.....	.....	2,728 99	Miscellaneous
.....	.....	1,102 44	Administration
.....	\$50 24	50 24	Stock
<hr/>	<hr/>	<hr/>	<hr/>
\$690 56	\$50 24	\$24,968 48	Totals

TABLE 1.—SCHOOLHOUSES.

	NAME.	No. of Classrooms.	Size of Lot.	Valuation, including Furniture.	When built.	No. of years used.	Enlargements.
1	High } West	a17	.....	\$141,160	1895	16	8 rooms added 1906
2	School } East	14	.....	114,761	1871	40	
3	Prescott . . .	12	22,000	66,260	1867	44	4 rooms added 1894
4	Knapp . . . .	13	24,517	50,540	1889	22	
5	Pope . . . . .	12	27,236	85,760	1891	20	
6	Bell . . . . .	12	22,262	48,897	1874	37	
7	Edgerly . . .	12	24,000	46,030	1871	40	{ 4 rooms added 1882 4 rooms added 1892
8	Glines . . . .	14	28,800	80,740	1891	20	5 rooms added 1896
9	Forster . . .	18	30,632	85,290	1866	45	6 rooms added 1899
10	Bingham . . .	16	35,586	70,005	1886	25	{ 4 rooms added 1894 8 rooms added 1904
11	Carr . . . . .	17	20,450	54,210	1898	13	6 rooms added 1890
12	Morse . . . . .	12	29,000	48,199	1869	42	
13	Highland . . .	12	23,260	60,560	1880	31	4 rooms added 1891
14	Hodgkins . . .	14	35,034	75,651	1896	15	4 rooms added 1907
15	Bennett . . . .	12	17,000	60,248	1902	9	
16	Hanscom . . . .	10	12,756	73,290	1897	14	
17	Brown . . . . .	10	20,093	64,151	1901	10	
18	Proctor . . . .	9	18,000	42,820	1905	6	
19	Burns . . . . .	8	16,080	34,760	1886	25	
20	Lowe . . . . .	8	21,650	51,826	1903	8	
21	Baxter . . . . .	6	11,000	32,956	1901	10	
22	Perry . . . . .	6	46,080	37,080	1899	12	
23	Davis Indust'l	4	30,155	22,720	1884	27	
24	Cummings . . .	4	11,300	11,920	1884	27	
25	Durell . . . . .	4	13,883	19,720	1894	17	
26	Lincoln . . . .	4	17,662	18,220	1885	26	
27	Girls' Indust'l	b6	8,850	9,338	1911	..	
	Total. . . . .	286	.....	\$1,507,112	....	..	

(a) Nine recitation rooms, a chemical, a physical, and a biological laboratory, four manual training rooms, a cooking room, a typewriting room, three drawing rooms, two libraries, two offices, three teachers' rooms, two lecture halls, and a lunch room in the basement.

(b) There are besides one girls' dining room, one teachers' dining room, one stock room, four fitting rooms, one infirmary, and a principal's office.



TABLE 2.—COST OF MAINTAINING SCHOOLS, 1911.

SCHOOLS.	FROM SCHOOL APPROPRIATION.		SPENT BY CITY GOVERNMENT.	Total.
	Teachers.	Supplies.	Care.	
High . . . . .	\$73,582 39	\$8,203 73	\$8,729 47	\$90,515 59
Prescott . . . . .	11,204 72	755 10	1,628 14	13,587 96
Knapp . . . . .	11,854 58	927 58	1,576 42	14,358 58
Pope . . . . .	11,315 99	751 59	1,814 51	13,882 09
Bell . . . . .	10,229 79	772 53	1,319 22	12,321 54
Edgerly . . . . .	10,677 09	637 98	1,370 25	12,685 32
Glines . . . . .	12,375 90	623 38	1,870 79	14,870 07
Forster . . . . .	15,151 46	988 70	3,097 74	19,237 90
Bingham . . . . .	14,729 53	901 17	1,963 64	17,594 34
Carr . . . . .	14,887 32	958 78	2,040 94	17,887 04
Morse . . . . .	10,736 47	602 90	1,632 45	12,971 82
Brown . . . . .	9,403 68	578 27	1,406 68	11,388 63
Highland . . . . .	11,322 63	981 28	1,726 22	14,030 13
Hodgkins . . . . .	13,699 71	989 98	1,687 27	16,376 96
Bennett . . . . .	8,621 73	440 65	1,345 03	10,407 41
Hanscom . . . . .	9,017 89	455 76	1,755 70	11,229 35
Proctor . . . . .	6,318 48	311 71	1,210 15	7,840 34
Burns . . . . .	6,489 55	457 76	1,269 13	8,216 44
Lowe . . . . .	6,498 57	356 69	1,216 88	8,072 14
Baxter . . . . .	4,808 91	311 76	956 93	6,077 60
Perry . . . . .	4,454 00	250 41	1,083 51	5,787 92
Cummings . . . . .	2,626 18	162 51	993 13	3,781 82
Durell . . . . .	3,099 81	174 79	833 88	4,108 48
Lincoln . . . . .	3,641 31	271 15	903 19	4,815 65
Evening . . . . .	7,371 84	522 11	1,388 11	9,282 06
Atypical . . . . .	802 95	53 16	117 68	973 79
Boys' Industrial* . . . . .	3,843 84	2,084 56	1,118 58	7,046 98
Girls' Industrial* . . . . .	1,626 78	442 49	161 88	2,231 15
Total . . . . .	\$300,393 10	\$24,968 48	\$46,217 52	\$371,579 10

\*The total for industrial schools is about \$4,000 larger than the cost to the city for maintaining them, as the city will be reimbursed that amount by the State under provisions of Statute.

TABLE 3.—PER CAPITA COST OF MAINTAINING SCHOOLS, 1911

SCHOOLS.	Teachers.	Supplies.	Care.	Total.
High . . . . .	\$42 85	\$4 78	\$5 08	\$52 71
Prescott . . . . .	22 28	1 50	3 24	27 02
Knapp . . . . .	22 41	1 75	2 98	27 14
Pope . . . . .	23 09	1 53	3 70	28 32
Bell . . . . .	21 81	1 65	2 81	26 27
Edgerly . . . . .	22 48	1 34	2 88	26 70
Glines . . . . .	22 46	1 13	3 40	26 99
Forster . . . . .	21 93	1 43	4 48	27 84
Bingham . . . . .	20 18	1 23	2 69	24 10
Carr . . . . .	22 29	1 44	3 06	26 79
Morse . . . . .	22 70	1 27	3 45	27 42
Brown . . . . .	21 82	1 34	3 26	26 42
Highland . . . . .	21 24	1 84	3 24	26 32
Hodgkins . . . . .	21 37	1 54	2 63	25 54
Bennett . . . . .	18 50	95	2 89	22 34
Hanscom . . . . .	20 08	1 02	3 42	24 52
Proctor . . . . .	20 92	1 03	4 01	25 96
Burns . . . . .	20 73	1 46	4 05	26 24
Lowe . . . . .	19 87	1 09	3 72	24 68
Baxter . . . . .	19 71	1 28	3 92	24 91
Perry . . . . .	18 87	1 06	4 17	24 10
Cummings . . . . .	13 54	84	5 12	19 50
Durell . . . . .	19 37	1 09	5 21	25 67
Lincoln . . . . .	17 26	1 29	4 28	22 83
Evening . . . . .	8 07	57	1 52	10 16
Atypical . . . . .	53 53	3 54	7 84	64 91
Gram. and primary	21 18	1 36	3 45	25 99
All schools . . . . .	23 17	1 76	3 53	28 46
Boys' Industrial . .	96 10	52 11	27 96	176 17
Girls' Industrial . .	125 14	34 04	12 45	171 63

**TABLE 4. — ANNUAL COST OF MAINTAINING THE SCHOOLS**  
FOR A SERIES OF YEARS.

Amounts are given to the nearest dollar and include what has been paid for maintaining day and evening schools of all grades.

YEAR.	Average Membership.	FROM SCHOOL APPROPRIATION.		SUM SPENT UNDER DIRECTION OF CITY GOVERNMENT.				Total.
		Instruction and Supervision.	School Supplies.	Light.	Heating.	Janitors.	School Tele-phones.	
1886	4,985	\$83,542	\$6,676	\$624	\$4,929	\$4,194	...	\$99,865
1887	5,198	86,713	7,526	765	6,475	5,084	...	106,563
1888	5,488	88,967	7,421	953	7,121	5,892	...	110,354
1889	5,956	96,466	9,903	805	6,081	6,448	...	119,703
1890	6,486	104,184	10,371	1,004	5,586	7,539	...	128,684
1891	6,502	114,066	13,899	1,047	8,032	8,544	...	145,588
1892	7,035	124,232	12,944	1,064	7,148	9,794	...	155,183
1893	7,217	128,720	10,137	1,014	8,312	10,160	...	158,333
1894	7,212	132,919	10,919	958	9,673	10,686	...	165,155
1895	7,617	144,113	15,063	1,398	8,796	11,581	...	180,951
1896	8,077	161,551	17,601	1,469	9,962	14,160	...	204,743
1897	8,589	180,222	14,815	1,920	10,065	16,251	...	223,273
1898	9,085	189,244	14,986	2,075	9,767	17,393	...	233,465
1899	9,502	197,660	16,131	2,472	10,821	17,831	...	244,915
1900	9,823	212,863	15,735	1,729	10,840	19,236	...	260,403
1901	9,991	226,556	18,707	1,731	13,723	20,078	...	280,796
1902	10,402	234,210	19,386	1,803	10,489	20,859	...	286,747
1903	10,719	242,964	20,873	2,015	18,052	21,042	...	304,946
1904	11,094	255,481	21,411	1,436	15,315	22,024	\$237	315 904
1905	11,543	259,597	20,137	4,345	15,167	21,949	482	321,677
1906	11,762	266,197	22,589	2,875	14,162	23,143	380	329,346
1907	11,909	273,107	24,317	3,760	15,236	23,999	433	340,852
1908	12,159	294,400	26,377	3,831	14,912	25,245	386	365,151
1909	12,423	298,839	21,819	4,071	14,798	26,072	550	366,149
1910	12,131	298,420	26,292	6,109	14,003	25,803	595	371,222
1911	11,871	300,393	24,968	4,751	14,907	26,031	529	371,579

**TABLE 5.—ANNUAL COST PER CAPITA OF MAINTAINING SCHOOLS**

FOR A SERIES OF YEARS.

[ Based on the average membership. ]

YEAR.	Instruction and Supervision.	School Supply Expenses.	Janitors, Water, Heat, and Light.	Total.	Assessors' Valuation of City.	Ratio of Cost of School Maintenance to Valuation.
1886	\$16 76	\$1 34	\$1 94	\$20 03	\$26,003,200	.00384
1887	16 68	1 45	2 37	20 50	27,469,300	.00388
1888	16 21	1 36	2 54	20 11	28,756,400	.00384
1889	16 20	1 66	2 24	20 10	30,004,600	.00399
1890	16 06	1 60	2 18	19 84	32,557,500	.00395
1891	17 54	2 14	2 71	22 39	36,843,400	.00395
1892	17 66	1 84	2 56	22 06	38,093,100	.00407
1893	17 84	1 40	2 70	21 94	41,773,600	.00379
1894	18 43	1 51	2 96	22 90	44,142,900	.00374
1895	18 92	1 98	2 86	23 76	46,506,300	.00390
1896	20 00	2 18	3 17	25 35	49,013,050	.00418
1897	20 98	1 73	3 29	26 00	50,173,775	.00444
1898	20 83	1 65	3 22	25 70	50,739,700	.00460
1899	20 80	1 70	3 28	25 78	51,202,350	.00478
1900	21 67	1 60	3 24	26 51	52,513,400	.00496
1901	22 67	1 87	3 56	28 10	53,924,200	.00521
1902	22 52	1 86	3 19	27 57	55,485,370	.00517
1903	22 67	1 95	3 84	28 46	56,981,360	.00535
1904	23 03	1 93	3 52	28 48	58,056,700	.00544
1905	22 50	1 74	3 63	27 87	59,146,600	.00544
1906	22 63	1 92	3 45	28 00	60,371,500	.00546
1907	22 93	2 04	3 65	28 62	61,527,750	.00554
1908	24 21	2 17	3 65	30 03	63,158,400	.00578
1909	24 06	1 76	3 66	29 48	63,659,210	.00575
1910	23 05	2 03	3 59	28 67	66,376,338	.00559
1911	23 50	1 95	3 62	29 07	67,284,066	.00552



**TABLE 6.—AMOUNT SPENT ANNUALLY FOR ALL SCHOOL PURPOSES**

FOR A SERIES OF YEARS.

YEAR.	For New Schoolhouses.	For Repairs and Permanent Improvements.	For Maintaining Schools.	Amount Spent for all School Purposes.
1886	\$15,515	\$8,706	\$99,865	\$114,086
1887	14,839	13,636	106,563	135,038
1888	4,996	13,994	110,354	129,344
1889	20,167	14,225	119,703	154,095
1890	75,775	19,168	128,684	223,627
1891	84,902	14,847	145,588	245,337
1892	12,679	17,734	155,183	176,001
1893	22,809	12,440	158,333	193,582
1894	82,206	44,764	165,155	292,125
1895	87,680	15,651	180,951	284,282
1896	61,016	33,240	204,743	298,999
1897	46,621	20,507	223,273	290,400
1898	49,983	21,274	233,465	304,722
1899	72,516	15,637	244,915	333,068
1900	51,232	21,745	260,403	333,380
1901	49,203	11,000	280,796	340,999
1902	56,501	13,079	286,747	356,327
1903	59,822	12,261	304,946	377,029
1904	23,703	18,209	315,904	357,816
1905	51,987	8,306	321,677	381,970
1906	38,457	11,951	329,346	379,754
1907	31,804	18,008	340,852	390,664
1908	18,271	17,792	365,151	401,214
1909	828	21,195	366,149	388,172
1910	—	21,864	371,222	393,086
1911	7,149	18,911	371,579	397,639



TABLE 8. — ATTENDANCE OF THE PUBLIC SCHOOLS, 1911.

Rooms Occupied in December.	SCHOOLS.	Annual Enrollment.	Average Membership.	Average Attendance.	Per cent. of Attendance.	No. Attending in January.	No. Attending in December.	Average No. to Classroom in December.
39	High . . .	1,845	1,717	1,632	95.3	1,765	1,781	29.7*
12	Prescott . . .	629	503	475	94.3	512	518	43.2
13	Knapp . . .	637	529	502	95.0	562	495	38.8
12	Pope . . .	581	490	464	94.7	518	484	40.3
10	Bell . . .	546	469	443	94.4	497	444	44.4
11	Edgerly . . .	549	475	447	94.2	489	486	43.8
13	Glines . . .	710	551	521	94.4	583	544	42.0
16	Forster . . .	848	691	650	94.0	711	713	44.6
16	Bingham . . .	870	730	683	93.5	731	742	46.4
16	Carr . . .	759	668	625	93.6	681	667	41.7
11	Morse . . .	573	473	449	95.0	494	465	42.0
10	Brown . . .	549	431	407	94.4	440	442	44.2
12	Highland . . .	594	533	514	96.4	539	546	45.5
15	Hodgkins . . .	741	641	615	96.0	633	628	45.0
10	Bennett . . .	556	466	433	92.9	484	448	44.8
10	Hanscom . . .	594	449	402	89.5	447	479	45.1
7	Proctor . . .	399	302	282	93.4	328	287	41.0
8	Burns . . .	403	313	297	94.9	321	338	42.3
8	Lowe . . .	474	327	306	93.3	356	327	40.8
6	Baxter . . .	354	244	230	94.0	264	232	37.5
6	Perry . . .	308	236	222	94.1	242	250	41.7
4	Cummings . . .	197	194	179	90.5	141	158	39.5
4	Durell . . .	226	160	150	93.3	166	155	38.8
4	Lincoln . . .	284	211	199	94.1	190	191	38.2
1	Atypical . . .	20	15	13	89.4	17	15	....
3	Boys' Industrial	50	40	35	87.9	43	42	....
4	Girls' Industrial	5	13	11	84.6	0	46	....
281	Total for 1911	14,301	11,871	11,186	94.2	12,154	11,923	42.9
281	Total for 1910	14,481	12,131	11,435	94.3	12,706	12,059	43.4

\* Per teacher.

**TABLE 9.—STATISTICS OF HIGH SCHOOLS FOR SCHOOL YEAR, SEPTEMBER 7, 1910, TO JUNE 23, 1911.**

	Latin.	English.
Number of teachers, including head masters . . . . .	18	45
Number of days school kept . . . . .	185	185
Number enrolled . . . . .	641	1,247
Average number belonging . . . . .	588	1,133.8
Average daily attendance . . . . .	563.7	1,058.9
Per cent. of attendance . . . . .	95.9	95.1
Tardiness . . . . .	551	681
Dismissals . . . . .	350	173
In Class I. September, 1910 . . . . .	198	400
June . . . . .	177	322
Per cent. of loss . . . . .	10.6	19.5
In Class I-A February, 1911 . . . . .	23	58
June . . . . .	19	51
Per cent. of loss . . . . .	17.4	12.1
In Class II. September, 1910 . . . . .	187	329
June . . . . .	171	274
Per cent. of loss . . . . .	8.6	16.7
In Class III. September, 1910 . . . . .	97	263
June . . . . .	90	245
Per cent. of loss . . . . .	7.2	6.8
In Class IV. September, 1910 . . . . .	122	188
June . . . . .	117	173
Per cent. of loss . . . . .	4.1	7.9
Special students, September, 1910 . . . . .	2	8
June . . . . .	2	6
Total, September, 1910 . . . . .	629	1,246
June . . . . .	576	1,071
Per cent. of loss . . . . .	8.4	14
Number of graduates, male . . . . .	52	73
Number of graduates, female . . . . .	61	91
Total . . . . .	113	164
Average age, male graduates . . . . .	18-6	19-2
Average age, female graduates . . . . .	18-4	18-7
Number entering college . . . . .	61	10
Number of graduates entering technical schools . . . . .	0	12
Number of graduates entering normal schools . . . . .	5	5
Cost of instruction . . . . .	\$23,003 75	\$50,582 50
Cost of supplies . . . . .	1,578 47	6,238 11
Total cost . . . . .	24,582 22	56,820 61
Per capita cost of instruction . . . . .	39 12	44 61
Per capita cost of supplies . . . . .	2 68	5 50
Total cost per capita . . . . .	41 80	50 11



TABLE 10.—PUPILS BY GRADES, December, 1911.

SCHOOL.	GRADE.	TEACHERS.			PUPILS.			Average Age, Dec. 15.		Never in First Grade Before.	From Other Schools in City.	From Other Schools.
		Men.	Women.		Boys.	Girls.	Total.	Years.	Months.			
			Regular.	Assistants.								
High	Special . . .	....	....	....	6	9	15	19	1	....	....	....
"	Thirteenth . .	....	....	....	107	205	312	18	4	....	....	5
"	Twelfth . . .	....	....	....	170	208	378	17	5	....	....	13
"	Eleventh . . .	....	....	....	186	230	416	16	1	....	....	20
"	Tenth . . .	....	....	....	308	352	660	15	4	....	601	48
	Total . . .	21	41	....	777	1,004	1,781	....	....	....	....	86
Grammar	Ninth . . .	12	21	....	373	403	776	14	4	....	31	31
"	Eighth . . .	....	22	....	439	475	914	13	7	....	69	63
"	Seventh . . .	....	25	1	535	541	1,076	12	8	....	157	103
"	Sixth . . .	....	29	1	638	601	1,239	11	9	....	216	132
"	Fifth . . .	....	26	....	601	605	1,206	10	8	....	228	142
"	Fourth . . .	....	29	3	660	630	1,290	9	8	....	302	148
	Total gram- mar . . .	12	152	5	3,246	3,255	6,501	....	....	....	1,003	619
Primary	Third . . .	....	32	....	673	641	1,314	8	7	....	132	169
"	Second . . .	....	22	....	462	462	924	7	11	1	162	183
"	First . . .	....	28	1	564	519	1,083	6	10	946	946	126
	Total pri- mary . . .	....	82	1	1,699	1,622	3,321	....	....	947	1,240	478
	Total gram- mar and primary . .	12	234	6	4,945	4,877	9,822	....	....	947	2,243	1,097
	Kindergarten .	....	4	3	116	101	217	5	7	....	....	....
	Special teach- ers . . .	4	5	....	....	....	....	....	....	....	....	....
	Cadets . . .	....	2	....	....	....	....	....	....	....	....	....
	Atypical . . .	....	1	....	12	3	15	....	....	....	....	....
	Boys' Industrial	3	1	....	42	....	42	....	....	....	....	....
	Girls' Industria	....	6	....	....	46	46	....	....	....	....	....
	Grand total . .	40	294	9	5,892	6,031	11,923	....	....	947	2,844	1,183
	Total 1910 . .	41	288	10	6,013	6,046	12,059	....	....	521	2,117	1,183

**TABLE 11. — PUPILS IN HIGH AND GRAMMAR SCHOOLS.—1911.**

	High School.	Grammar and Primary Schools.	Kinder-gartens.	Industrial School for Boys.	Industrial School for Girls.	Atypical School.	Total.
Annual enrollment . . . . .	1,845	11,970	411	50	5	20	14,301
Average membership . . . . .	1,717	9,851	196	40	13	15	11,871
Average attendance . . . . .	1,632	9,322	173	35	11	13	11,186
Per cent. of attendance . . . . .	95.3	94.2	88.2	87.9	84.6	89.4	94.2
Number cases of tardiness . . . . .	1,502	3,857	...	555	51	52	6,017
Number cases of dismissal . . . . .	548	2,368	...	110	..	6	3,032
Number cases of punishment . . . . .	....	270	...	1	..	1	272
Membership, January, 1911 . . . . .	1,765	10,130	190	43	..	17	12,154
Membership, December, 1911 . . . . .	1,781	9,822	217	42	46	15	11,923

**TABLE 12. — NUMBER OF PUPILS ADMITTED TO GRADE I IN FEBRUARY AND SEPTEMBER.**

SCHOOL.	1907.	1908.	1909.	1910.	1911.	SCHOOL.	1907.	1908.	1909.	1910.	1911.
Prescott . .	61	33	35	27	38	Forster . .	77	73	63	20	65
Hanscom . .	39	75	42	50	99	Bingham . .	70	84	88	29	83
Davis . . .	39	35	41	.....	.....	Carr . . . .	64	65	64	.....	64
Bennett . .	94	99	92	76	83	Morse . . .	53	57	55	29	46
Baxter . . .	59	46	62	29	28	Proctor . . .	48	55	47	20	46
Knapp . . .	35	39	41	25	35	Durell . . .	43	38	37	12	57
Perry . . .	51	42	52	20	30	Burns . . .	48	45	55	14	46
Pope . . . .	28	30	39	17	34	Brown . . .	57	73	63	27	60
Bell . . . .	35	38	21	.....	22	Highland . .	.....	.....	.....	.....	.....
Cummings .	40	34	45	26	41	Hodgkins . .	43	54	52	17	31
Edgerly . .	39	33	35	.....	32	Lincoln . . .	52	57	50	25	75
Glines . . .	63	60	60	29	51	Lowe . . . .	72	93	83	29	67

TABLE 13.—GRAMMAR SCHOOL GRADUATES, 1911.

SCHOOLS.	Number receiving Diplomas.	Number certificated for High School.		Number entering High School.	
		Conditionally.	Unconditionally.	Conditionally.	Unconditionally.
Prescott . . . . .	35	2	28	1	27
Knapp . . . . .	82	1	60	1	55
Pope . . . . .	43	9	42	4	28
Bell . . . . .	69	3	51	2	45
Edgerly . . . . .	48	2	43	2	39
Glines . . . . .	75	5	68	4	55
Forster . . . . .	82	8	73	5	64
Bingham . . . . .	37	6	28	1	23
Carr . . . . .	59	12	40	10	28
Morse . . . . .	63	10	39	6	39
Brown . . . . .	46	4	34	4	34
Highland . . . . .	93	3	87	1	71
Hodgkins . . . . .	73	6	55	5	55
Total . . . . .	805	71	648	46	563

TABLE 14.—TRUANT STATISTICS

FOR A SERIES OF YEARS.

	1904.	1905.	1906.	1907.	1908.	1909.	1910.	1911.
No. of visits of officer to schools	429	567	511	474	401	787	617	771
Absences investigated . . .	387	514	502	499	655	1,185	1,600	1,953
Cases of truancy . . . . .	146	150	151	94	155	265	296	402
Truants arrested . . . . .	8	7	11	14	11	5	11	12
Sent to truant school . . . .	5	4	6	9	6	2	3	8
No. now in truant school . .	5	8	10	18	15	14	13	15

**TABLE 15.—ATTENDANCE IN ELEMENTARY EVENING SCHOOLS, FROM OCTOBER, 1910, TO MARCH, 1911.**

		Bell.	Highland.	Total.
Enrolled . . . . .	Male	529	80	609
	Female	86	32	118
	Total	615	112	727
Ave. membership . . . . .	Male	178	48	226
	Female	44	18	62
	Total	222	66	288
Ave. attendance . . . . .	Male	133	37	170
	Female	30	15	45
	Total	163	52	215
Per cent. Att. out of No. belong- ing . . . . .	. . .	73.4	78.7	74.6
Per cent. Att. out of No. en- rolled . . . . .	. . .	26.5	46.4	29.5
Ave. No. of teachers . . . . .	Male	2	1	3
	Female	14	3	17
	Total	16	4	20
No. of sessions . . . . .	. . .	79	79	158
Teachers, cost of . . . . .	. . .	\$2,453.50	\$613.00	\$3,066.50
Janitors, supplies and light, cost of . . . . .	. . .	423.95	154.92	578.87
Total	Total	\$2,877.45	\$767.92	\$3,645.37
Cost per pupil per evening . . . . .	. . .	\$0.223	\$0.187	\$0.107
Cost per evening . . . . .	. . .	36.42	9.72	23.07
Cost per pupil in ave. membership . . . . .	. . .	12.96	11.64	12.66
Cost per pupil in ave. attend- ance . . . . .	. . .	17.65	14.77	16.96



**TABLE 15 (Concluded).—Evening High School, Season of 1910-1911.**

	Male.	Female.	Total.
Enrolled .....	481	361	842
Average membership .....	320	215	535
Average attendance .....	203	158	361
Number of teachers.....	13	10	23
Number of sessions.....		59	
Cost of instruction.....		\$4,074.00	
Cost of supplies and light.....		1,009.90	
Total cost .....		\$5,083.90	
Cost per pupil per evening.....		0.238	
Average attendance: October, 477; November, 408; December, 367; January, 325; February, 278; March, 311.			

**Statistics of Evening Schools for a Series of Years.**

		No. Sessions.	Enrollment.	Average Attendance.	Cost.	Cost Per Pupil Per Evening.
High*	1900-1901 . .	48	192	79	\$1,433	\$0 378
	1901-1902 . .	46	211	99	1,424	0 316
	1902-1903 . .	47	178	78	1,331	0 379
	1903-1904 . .	48	191	74	1,378	0 388
	1904-1905 . .	74	762	224	6,699	0 404
	1905-1906 . .	93	605	154	5,548	0 387
	1906-1907 . .	77	631	177	4,802	0 352
	1907-1908 . .	56	614	295	4,009	0 243
	1908-1909 . .	58	710	314	4,205	0 231
	1909-1910 . .	57	766	337	4,615	0 240
1910-1911 . .	59	842	361	5,083	0 238	
Elementary	1900-1901 . .	74†	612	220	\$3,809	\$0 232
	1901-1902 . .	75	700	260	5,452	0 279
	1902-1903 . .	86	741	264	5,857	0 257
	1903-1904 . .	92	859	333	7,286	0 237
	1904-1905 . .	75	747	329	6,088	0 247
	1905-1906 . .	84	698	324	6,303	0 233
	1906-1907 . .	76	917	328	5,313	0 213
	1907-1908 . .	75	918	363	5,248	0 193
	1908-1909 . .	78	763	290	4,637	0 205
	1909-1910 . .	76	707	267	4,399	0 217
1910-1911 . .	79	727	215	3,645	0 107	

\*Drawing school only until 1904-1905.

†Average of four schools.

**TABLE 16.—GRAMMAR SCHOOL GRADUATES**  
FOR A SERIES OF YEARS.

YEAR.	Prescott.	Bell.	Forster.	Morse.	Highland.	Ederly.	Pope.	Knapp.	Hodgkins.	Glines.	Carr.	Bingham.	Brown.	Total.	Average Membership of Grammar and Primary Schools.	Per cent. of Average Membership Graduating.	Entered High School.	Per cent. Entering of those Graduating.
1890	54	106	45	56	57	39	36	39	45	27	38	31	179	318	6,062	5.24	184	57.86
1891	44	73	41	55	44	49	36	39	41	35	33	36	179	296	6,085	4.90	199	67.23
1892	40	36	75	49	45	46	36	38	32	40	51	36	11,159	370	6,525	5.67	228	61.62
1893	41	60	48	63	67	46	36	32	31	36	43	36	11,159	398	6,674	5.97	240	60.30
1894	39	29	79	66	68	41	35	32	40	47	58	36	11,159	389	6,600	5.89	253	65.04
1895	36	32	58	63	73	42	36	34	36	31	47	39	11,159	374	6,955	5.37	255	68.18
1896	38	34	72	38	70	46	37	35	37	31	38	37	11,159	370	7,201	5.13	281	76.00
1897	34	39	50	48	41	29	30	25	27	35	38	37	11,159	368	7,602	4.84	273	74.19
1898	36	43	31	48	36	50	36	28	41	37	38	37	11,159	382	8,029	4.75	281	73.56
1899	37	50	62	48	49	40	34	34	39	37	33	36	11,159	468	8,351	5.60	345	73.72
1900	36	45	43	31	43	47	44	34	42	36	36	36	11,159	434	8,689	4.99	317	73.00
1901	34	38	70	43	72	47	43	38	41	35	51	36	11,159	497	8,811	5.64	372	74.80
1902	41	48	61	45	67	46	35	31	32	40	47	36	11,159	484	9,328	5.33	350	70.40
1903	34	45	62	35	65	51	28	34	52	31	43	36	11,159	484	9,362	5.17	354	73.14
1904	31	35	84	46	79	44	36	38	40	31	47	36	11,159	512	9,739	5.26	367	71.68
1905	40	40	74	44	85	42	42	48	61	36	58	31	11,159	606	10,298	5.88	463	76.40
1906	35	54	67	44	109	49	44	64	58	40	43	33	11,159	640	10,209	6.22	474	74.10
1907	37	62	67	44	126	81	36	56	59	62	60	35	11,159	725	10,440	6.94	561	77.40
1908	44	51	71	71	88	50	64	66	61	42	58	36	11,159	742	10,410	7.13	551	74.26
1909	27	59	73	44	95	82	48	70	55	43	66	36	11,159	741	10,582	7.00	546	73.68
1910	30	53	72	48	96	68	56	80	62	32	57	39	11,159	805	10,451	7.10	521	70.12
1911	35	69	82	63	93	48	43	82	73	75	59	37	11,159	805	10,101	7.97	609	75.65
	823	1,101	1,387	1,090	1,568	1,042	799	906	761	607	649	247	179	11,159	188,454	5.93	8,024	71.90

TABLE 17. — ATTENDANCE STATISTICS

FOR A SERIES OF YEARS.

DECEMBER.	ENROLLMENT.	Average Membership.	Average Attendance.	Per cent. of Attendance.	Number of Tardinesses.	Ratio of Tardiness to Average Attendance.
1886	6,350	4,985	4,678	93.8	2,834	0.606
1887	6,605	5,198	4,879	93.8	2,699	0.553
1888	7,262	5,488	5,174	94.0	2,938	0.549
1889	7,757	5,956	5,585	93.8	2,780	0.498
1890	7,878	6,485	6,075	93.6	3,133	0.516
1891	8,510	6,502	6,091	93.7	3,182	0.522
1892	9,120	7,035	6,608	93.9	3,181	0.481
1893	9,632	7,217	6,790	94.1	3,375	0.497
1894	9,387	7,212	6,840	94.8	3,000	0.419
1895	9,913	7,617	7,255	95.2	2,736	0.377
1896	10,582	8,077	7,663	94.9	2,743	0.358
1897	11,293	8,589	8,144	94.8	2,486	0.305
1898	11,577	9,085	8,636	95.1	2,941	0.341
1899	11,975	9,502	8,965	94.3	2,566	0.286
1900	12,345	9,823	9,174	93.4	2,759	0.300
1901	12,499	9,991	9,350	93.6	2,937	0.294
1902	13,116	10,402	9,733	93.5	3,335	0.343
1903	13,475	10,719	10,056	93.9	3,428	0.342
1904	13,804	11,094	10,422	93.9	3,887	0.373
1905	14,296	11,543	10,897	94.4	3,746	0.344
1906	14,551	11,762	11,069	94.1	4,046	0.366
1907	14,802	11,909	11,166	93.8	4,170	0.373
1908	15,105	12,159	11,458	94.2	3,882	0.344
1909	15,363	12,423	11,666	93.9	4,422	0.379
1910	14,481	12,131	11,435	94.3	4,320	0.378
1911	14,301	11,871	11,186	94.2	6,017	0.538

**TABLE 18. — MEMBERSHIP, ETC., OF HIGH SCHOOL  
FOR A SERIES OF YEARS.**

YEAR.	Average Membership all Schools.	Largest Number in High School.	Per cent. of Average Membership of all Schools.	Number of Graduates of High School.	Per cent. of Average Membership of all Schools.
1867	2,157	119	5.51	7	0.32
1868	2,285	141	6.17	17	0.75
1869	2,480	158	6.37	25	1.01
1870	2,639	165	6.25	16	0.65
1871	2,549	161	6.31	33	1.29
1872	2,799	186	6.64	21	0.75
1873	3,217	190	5.91	28	0.87
1874	3,265	198	6.06	26	0.79
1875	3,515	213	6.06	31	0.88
1876	3,712	226	6.09	33	0.81
1877	3,788	227	5.91	37	0.98
1878	3,992	250	6.26	31	0.78
1879	4,169	246	5.90	34	0.82
1880	4,278	254	5.93	27	0.63
1881	4,064	256	6.29	34	0.84
1882	4,263	280	6.57	33	0.77
1883	4,438	278	6.26	43	0.97
1884	4,804	315	6.55	46	0.96
1885	4,904	385	7.85	46	0.94
1886	4,985	374	6.70	56	1.12
1887	5,198	387	7.44	53	1.02
1888	5,488	435	7.92	60	1.09
1889	5,956	444	7.45	67	1.12
1890	6,485	487	7.51	60	0.93
1891	6,502	535	8.23	68	1.05
1892	7,035	577	8.20	80	1.14
1893	7,217	626	8.67	82	1.14
1894	7,274	691	9.50	111	1.52
1895	7,617	775	10.17	92	1.21
1896	8,077	858	10.62	119	1.47
1897	8,589	885	10.31	121	1.59
1898	9,085	890	9.80	130	1.43
1899	9,502	985	10.70	137	1.49
1900	9,823	1,031	10.49	131	1.33
1901	9,991	1,098	10.99	152	1.52
1902	10,402	1,138	10.94	164	1.58
1903	10,719	1,208	11.27	181	1.70
1904	11,094	1,286	11.60	179	1.61
1905	11,543	1,372	11.89	211	1.83
1906	11,762	1,473	12.52	208	1.77
1907	11,909	1,614	13.55	223	1.87
1908	12,159	1,707	14.04	235	1.93
1909	12,423	1,828	14.71	265	2.13
1910	12,131	1,796	14.80	266	2.20
1911	11,871	1,836	15.47	277	2.33



**TABLE 19.—PROMOTIONS FOR SCHOOL YEAR ENDING JUNE 23, 1911.**

GRADE.	On June Promotion List.	Unconditionally Promoted to Next Grade.	Promoted on Trial.	Left Behind.	Promoted more than One Grade.	Special Promotions between September and June.	Promotees Dropped back after Three Months' Trial.
I	884	750	32	102	26	67	..
II	1,252	1,021	80	151	95	94	1
III	1,295	1,091	102	102	102	110	11
IV	1,226	994	135	97	139	115	11
V	1,236	1,036	133	67	138	147	10
VI	1,133	860	173	100	87	105	9
VII	1,036	817	164	55	109	68	8
VIII	878	691	140	47	112	82	4
IX	822	696	101	25	45	42	3
Total	9,762	7,956	1,060	746	853	830	57

**Percentage of Promotions for School Year Ending June 23, 1911.**

GRADE.	On June Promotion List.	Unconditionally Promoted to Next Grade.	Promoted on Trial.	Left Behind.	Promoted more than One Grade.	Special Promotions between September and June.	Promotees Dropped Back after Three Months' Trial.
I	100	84.9	3.6	11.5	2.9	7.6	...
II	100	81.6	6.4	12.0	7.6	7.5	0.08
III	100	84.3	7.9	7.8	7.9	8.5	0.8
IV	100	81.1	11.0	7.9	11.3	9.4	0.9
V	100	83.8	10.8	5.4	11.2	11.9	0.8
VI	100	75.9	15.3	8.8	7.7	9.3	0.8
VII	100	78.9	15.8	5.3	10.5	6.5	0.8
VIII	100	78.7	15.9	5.4	12.7	9.3	0.4
IX	100	84.6	12.3	3.1	5.5	5.1	0.4
Average	100	81.5	10.8	7.7	8.7	8.5	0.6

**TABLE 19 (Concluded).—PROMOTIONS FOR SCHOOL YEAR IN THE HIGH SCHOOLS FOR YEAR ENDING JUNE 23, 1911.**

		On June Promotion List.	Promoted to Next Grade.	Left Behind.	Repeating Work.
Grade	X . . . . .	462	425	37	30
	XI . . . . .	469	416	53	20
	XII . . . . .	318	296	22	12
	XIII . . . . .	283	277	6	4
	Total . . . . .	1,532	1,414	118	66

**Percentage of Promotions for School Year in High Schools, Ending June 23, 1911.**

		On June Promotion List.	Promoted to Next Grade.	Left Behind.	Repeating Work.
Grade	X . . . . .	100	92.0	8.0	6.5
	XI . . . . .	100	88.7	11.3	4.1
	XII . . . . .	100	93.1	6.9	3.8
	XIII . . . . .	100	97.9	2.1	1.4
	Average . . . . .	100	92.3	7.7	4.3

TABLE 20.—RESIGNATIONS OF TEACHERS, 1911.

SCHOOL.	Teacher.	Resignation Took Effect.	In Service.
Latin . . . .	George L. Baxter	June 30, 1911	44 years
English . . . .	Nina A. Cummings	" " "	8 years
" . . . .	Cara F. Dillingham	Jan. 30, "	1 yr. 5 mos.
" . . . .	Bertha P. Marvel	June 30, "	12 years
" . . . .	Frederick O. Smith	Feb. 24, "	6 yrs. 6 mos.
" . . . .	Stephen E. Wright	June 30, "	2 years
Bell . . . .	Maribelle Curtis	Sept. 25, "	16 yrs. 1 mo.
Forster . . . .	Mary M. Badger	Nov. 30, "	3 yrs. 3 mos.
" . . . .	Mabel G. Delano	June 30, "	10 years
Carr . . . .	Helen C. Gray	" " "	5 yrs. 9 mos.
Proctor . . . .	Clara M. Hammond	" " "	8 yrs. 3 mos.
Burns . . . .	Minnie S. Turner	" " "	21 yrs. 5 mos.
Brown . . . .	Edna M. Proctor	" " "	10 years
Highland . . . .	Charlotte Canfield	" " "	2 years
" . . . .	Katie D. Greenleaf	Nov. 29, "	3 years
" . . . .	Edda C. Locke	June 30, "	3 yrs. 6 mos.
" . . . .	Aaron B. Palmer	" " "	6 years
	<b>Died</b>		
Hanscom . . . .	Emma B. Jones	May 27, 1911	5 years.
Bennett . . . .	Annie E. McCarty	Nov. 15, "	31 yrs. 3 mos.

TABLE 21 — TEACHERS ELECTED IN 1911.

SCHOOL.	Teacher.	Coming From.	Began Service.	Salary.
English . .	Hattie May Baker	Bellows Falls, Vt.	Feb. 1911	\$700
English . .	Walter I. Chapman	Attleboro	Sept. 6, "	1,300
English . .	Clarence L. Foster	Berlin, N. H.	Feb. "	1,000
High . . .	Bertha Bray	Chicopee	Sept. 6, "	800
High . . .	Mildred W. Clark	Cambridge	Sept. 6, "	600
High . . .	Arthur W. Wathen	Mt. Vernon, N. H.	Sept. 6, "	700
Prescott . .	May C. Eaton	Manchester	Sept. 6, "	700
Hanscom . .	Alice M. Saben	{ Transfer'd from Bennett Kgn.		525
Hanscom and Bennett }	Elizabeth M. Collins	{ Made Supervising Principal of	Jan. 1, 1912	1,300
Bennett . .	Bertha T. Moore	Brookline	Sep. 6, 1911	700
Knapp . . .	Nona E. Blackwell	Somerville	Sept. 1906	600
Knapp . . .	M. Edith Callahan	Winchendon	Feb. 21, '10	650
Knapp . . .	Bessie N. Page	Brockton	Sep. 6, 1911	700
Bell . . . .	Julia A. Simmons	Somerville	Oct. 17, "	650
Bingham . .	Mary E. Hughes	Revere	Sept. 6, "	700
Carr . . . .	Pearl F. Dame	Somerville	Sept. 1906	600
Burns . . .	Margaret D. Hellyar	Somerville	1899	650
Burns . . .	Eva E. Perkins	Old Town, Me.	Sep. 6, 1911	600
Brown . . .	Mary T. Ford	Salem Normal	Sept. 6, "	700
Brown . . .	Alice R. Gould	Hingham	March "	600
Brown . . .	Anna B. Lattin	Everett	Feb. 1910	600
Brown . . .	Frances D. Way	Attleboro	Sep. 6, 1911	600
Highland . .	Marion Allen	Danvers	Dec. 18, "	650
Highland . .	Frank W. Seabury	Danvers	Sept. 6, "	1,700
Lincoln . .	Olivia M. Woods	Everett	Sept. 1908	600
Industrial . .	N. E. Gillespie	Blake Mfg. Co.	Mar. 1911	1,000
Girls' Industrial . . .	Mary H. Brown	Boston	Sept. 6, "	1,600
Girls' Industrial . . .	Mary Donoghue	Boston	Oct. 16, "	800
Girls' Industrial . . .	Lucy Dorr	{ L. P. Hollander & Co.	Oct. 16, "	700
Girls' Industrial . . .	Marion P. Crawford	{ Transfer'd from Carr School	Nov. 1911	750
Girls' Industrial . . .	Cornelia B. Rodman	Boston	Oct. 16, '11	1,000
Drawing Supervisor }	Clara M. Gale	New Bedford	Sept. 6, "	900
Supervisor of Manual Arts }	Harry L. Jones	Somerville	Feb. 1911	300*

\* In addition to salary as teacher in High School.



**TABLE 21 (Continued).—ASSISTANTS IN SERVICE DECEMBER, 1911.**

Hanscom . . .	Agness M. Travis
Burns . . .	Mary C. Buck
Proctor . . .	} Annie Sanburn
Lowe . . .	
Bingham . . .	Mary L. Ennis
Hodgkins . . .	Elinor Neilon
Hodgkins . . .	Julia T. Delay

**CADETS.**

Name.	High School and Year.	Normal School and Year.
Elizabeth M. Delay	Somerville English High, 1907	Framingham, 1911
Gladys A. Kingsley	Somerville English High, 1909	Bradford Academy, 1911

**TABLE 22.—LEAVE OF ABSENCE OF TEACHERS.**

March 10, 1911, Mary E. Richardson, for remainder of school year ending June 30, 1911.

September 6, 1911, Bessie Sutton, until January 1, 1912.

October, 1911, Ethel F. Morang, for school year ending June 30, 1912.

September 6, 1911, Grace S. Russell, until January 1, 1912.

September 6, 1911, Grace J. Alexander, for school year ending June 30, 1912.

September 6, 1911, Edith G. Watts, for school year ending June 30, 1912.

TABLE 23.—TRANSFER OF TEACHERS.

TEACHERS.	From	To
	Katherine Pike . . . . .	Bennett
Lucia Alger . . . . .	Bell	Cummings
Carrie T. Lincoln , . . . .	Durell	Carr

TABLE 24.—NUMBER OF TEACHERS  
FOR A SERIES OF YEARS.

YEAR.	High School.	Grammar School.	Primary School.	Special Teachers.	Assistants not in Charge of Room.	Men.	Women.	Total.
1886	9	62	48	1	0	9	111	120
1887	10	64	48	1	0	9	114	123
1888	10	66	52	4	7	9	130	139
1889	10	60	56	4	7	10	127	137
1890	10	78	58	5	7	12	146	158
1891	12	86	63	5	13	12	167	179
1892	13	90	67	5	10	12	173	185
1893	14	88	63	5	19	12	177	189
1894	15	91	66	6	11	12	177	189
1895	28	91	73	5	12	19	186	209
1896	30	102	74	6	14	22	208	230
1897	31	109	85*	6	18	22	227	249
1898	32	112	87*	7	13	23	229	252
1899	36	119	92*	7	9	23	240	263
1900	40	127	96*	7	6	24	249	273
1901	44†	130	94*	7	8	26	257	283
1902	45†	140	91*	7	9	26	266	292
1903	46†	143	96*	7	14	25	281	306
1904	48‡	152	98*	7	9	27	285	312
1905	48‡	153	100*	7	7	27	288	315
1906	54‡	157	99*	7	9	29	297	326
1907	57‡	160	97*	9	14	32	305	337
1908	58‡	164	97*	10	16	34	311	345
1909	59‡	166	99*	10	16	36	314	350
1910	63‡	165	87*	13	11	41	298	339
1911	62‡	164	86*	20	11	40	303	343

\* Including four kindergartners,

† Including two secretaries,

‡ Including one secretary.

**TABLE 25.—BOOKS AUTHORIZED FOR USE, 1911.****For Evening Schools.***As text-books.*

The New American Citizen, Frances S. Mintz... Macmillan Company

**For High Schools.***As reference books.*

Government of the United States, Guitteau,  
Houghton Mifflin Company  
The Economic History of the United States, Bogart,  
Longmans, Green & Co.  
Elements of Economics, Bullock..... Silver, Burdett & Co.

*As text-books.*

German Composition, Paul R. Pope..... Henry Holt & Co.  
Im Vaterland, Paul V. Bacon..... Allyn & Bacon  
English Composition, Charles Lane Hanson..... Ginn & Co.  
Enlarged Practice Book in English Composition, Alfred M. Hitch-  
cock ..... Henry Holt & Co.  
A Spanish Grammar, Hills and Ford..... D. C. Heath & Co.  
A Practical Course in Touch Typewriting, Charles E. Smith,  
Isaac Pitman & Sons

TABLE 26.—GRADUATION EXERCISES, 1911.

**High Schools.**

The graduation exercises of the high schools occurred on Thursday, June 22, at the First Methodist Episcopal Church, in the presence of a large audience of parents and friends.

The formal address to graduates was given by Alexander Meiklejohn.

At the close of the address, the chairman of the committee, Henry H. Folsom, presented diplomas to the 277 members of the graduating classes.

**Order of Exercises.**

- Henry H. Folsom, Chairman of School Board, presiding.
1. Singing.  
    "Bridal Chorus" ("Lohengrin"). Wagner
  2. Prayer.  
    Rev. Chester A. Drummond.
  3. Singing.  
    Unison Solo: "Nazareth." Gounod
  4. Address to Graduates.  
    Professor Alexander Meiklejohn, Dean of Brown University.
  5. Singing.  
    "A Summer Fancy" (Valse lente). Henry Hadley
  6. Presentation of Diplomas to Graduates of the Latin School.
  7. Singing.  
    Excerpts from Cantata, "Melusina." Hofmann  
    (a) Prologue.  
    (b) Chorus: "To the Castle."  
    (c) Epilogue.
  8. Presentation of Diplomas to Graduates of the English School.
  9. Singing.  
    Bass Soli and Chorus: "Carmen." Bizet

Diplomas will be presented to graduates by Henry H. Folsom, Chairman of the School Board.

Pianist, Miss Mary Ingraham; organist, Joshua Phippen; conductor, S. Henry Hadley.

All music arranged by Mr. Hadley, teacher of music in the high and grammar schools.



**Latin High School Graduates.**

Mabelle Louise Blaser.	Mildred Hastings Vinton.
Dorothy Geierstein Bonney.	Helen Weekes.
Florence Cornelia Bowen.	Ruth Lida Whitehouse.
Mildred Grace Brown.	Mildred Lothrop Winship.
Charlotte Marie Cann.	
Marion Hope Carpenter.	Oliver Plunkett Arnold.
Ethel Nickerson Carr.	Winthrop Dale Barker.
Ethel Vose Chisholm.	Maxwell Fish Barnes.
Marion Eleanor Clough	Douglas Martyn Beers.
Hazel Reid Cobb.	Norman Lauer Beers.
Bessie Sara Cohen.	Mitchel Louis Bernson.
Mabel Gertrude Cohen.	Raymond White Blanchard.
Alice Elizabeth Cummings.	Stanley Bowlby.
Ruth Cummings.	James Lawrence Brown, Jr.
Elizabeth Agnes Currie.	Richard Augustine Burke.
Julia Frances Currier.	Earle Eddy Clough.
Anna Louise DeAvellar.	Russell John Coogan.
Dorothy Derby.	Frederick William Costa.
Ethel May Dooley.	Robert Campbell Cowan.
Ruth Bragdon Dunbar.	Arthur Irving Donahue.
Marion Frances Estee.	Walter Hazen Duncan.
Christine Elizabeth Evarts.	Frank Henry Fallis.
Helen Thyrsa Field.	Thomas Francis Fitzpatrick
Florence Elizabeth Fox.	John William Garrick.
Edith May Gardner.	Harold Edgar Giles.
Ruth Anna Gillis.	Walter Everett Graves.
Mary Elizabeth Golden.	Clayton Marden Hager.
Katherine Elizabeth Griffin.	Ralph Dudley Harrington.
Annie Louise Gullion.	Herford Carter Hartwell.
Gladys Balch Hastings.	George Alexander Haskell.
Beatrice Anne Heckbert.	Clarence Lee Hoyt.
Gertrude Mellen Hooper.	John Henry Marshall.
Ellen Gertrude Hopkins.	George Harold Martin.
Elizabeth Jacobs.	Malcolm Royal McKenny.
Helen Marie Kaula.	John Medina, Jr.
Miriam Reed Kingman.	William Joseph Meskill.
Edna Florence Knight.	Melvin John Messer, Jr.
Palmyra Mary Lemos.	Laurence MacLean Middlemas
Margaret Elizabeth McDonald.	Carl Wallace Miller.
Julia Estelle Merrill.	Norville Livingstone Milmore.
Ruth Atherton Merrill.	Parker Newhall.
Lillian Shurtleff Moore.	John Francis O'Donoghue.
Agnes Catherine Muldoon.	Arthur Olson.
Mary Theresa Muldoon.	Ralph Oliver Phillips.
Hazel Valentine Paris.	Cameron Brooks Reed.
Ethel Lorinda Peabody.	Theron John Reed.
Ruth Brooks Peirce.	Matthew Lawrence Ring.
Grace Louise Perry.	Edward Mathes Robinson.
Alice Reynolds.	Ira Augustus Russ.
Margaret Lillian Rich.	Homer Aaron Sargent.
Grace Margaret Rockwell.	William Andrew Sharp.
Henrietta Ethel Sargent.	John Berchmans Sheerin.
Edith Catherine Stackpole.	Irving Proctor Taylor.
Ruth Patience Stone.	Phillips Tead.
Velma Belle ShROUT.	Andreas Henry Tomfohrde.
Rosamond Tarleton.	Donald Hay Whitney.
Eleanor Pierce Turner.	Arthur Phillips Williams.

**English High School Graduates.**

Mildred Evelyn Anderson.  
 Hazel Loraine Baker.  
 Loretta Martina Baker.  
 Marion Imogene Blair.  
 Fannie Reynolds Bloomer.  
 Marjorie Evangeline Boss.  
 Susie Bowman.  
 Maizie Elizabeth Bradley.  
 Margaret Mary Breen.  
 Viola Alberta Brittain.  
 Ruth Ulrina Burns.  
 Gladys Adeline Cameron.  
 Zillah Campbell.  
 Laura Belle Chase.  
 Emma Lena Clark.  
 Florence Regina Cole.  
 Stella Emelia Conti.  
 Mary Eliza Cutler.  
 Donna Beatrice Damrell.  
 Louise Frances Deady.  
 Mary Josephine Dewire.  
 Sara Eliza DeWolf.  
 Ruth Heminway Dillon.  
 Bessie Pearl Doctoroff.  
 Mary Gertrude Donnelly.  
 Ruth Adeline Donnelly.  
 Meta Pearl Eisenhauer.  
 Winifred Mabel Eldredge.  
 May Theresa Frisbee.  
 Mary Louise Gallagher.  
 Eliza Karekin Giragosian.  
 Catherine Eleanor Glynn.  
 Ida Golden.  
 Elsie Flavilla Graves.  
 Janet Matson Anderson Grieve.  
 Edith Emery Hagan.  
 Marion Lovina Heath.  
 Katherine Teresa Hickey.  
 Gladys Estelle Hopkins.  
 Mae Agnes Hughes.  
 Lottie Louise Hunt.  
 Selina Abigail Hunt.  
 Gertrude Isabella Innes.  
 Esther Maria Johnson.  
 Mildred Hadley Jones.  
 Rachel Elizabeth Kilgore.  
 Helen Torrey Lamb.  
 Helen Hewitt Linnell.  
 Olive Eleanor Long.  
 Vera Ethel Macdougall.  
 Mary Gertrude Madigan.  
 Theresa Magnusson.  
 Mary Loretta Mahoney.  
 Elizabeth Susan Mazoni.  
 Marguerite Mary McCarthy.  
 Marie Marguerite McCarthy.  
 Katherine E. McDonough.  
 Agnes Josephine McNeil.  
 Amy Frances Merrill.  
 Helen Kathryn Miller.  
 Mary Louise Morris.  
 Emily Powell Morton.  
 Esther Nickles.  
 Sara Marie Nolan.  
 Ethel May Orcutt.  
 Nettie Irene Patten.  
 Mary Frances Pecheur.  
 Ilene Catherine Ritchie.  
 Mary Barrows H. Robertson.  
 Marion Louise Ronan.  
 Ruth Evelyn Sargent.  
 Gertrude Alice Saunders.  
 Bernice Claire Scott.  
 Ethel Mae Sherman.  
 Beulah Elizabeth Sprague.  
 Marguenite C. E. Stetefeld.  
 Rachel Adelaide Stevenson.  
 Helena Ward Stockford.  
 Ethel Florence Strom.  
 Charlotte May Swallow.  
 Jane Austin Thomas.  
 Edna Caroline Tomfohrde.  
 Edith Evelyn Trickey.  
 Mary Josephine Turnbull.  
 Winnifred Catherine Waugh.  
 Gladys Eleanor Wells.  
 Marion Frances Wilson.  
 Amy Beach Wood.  
 Elsie Lillian Wyman.  
 Irma Beatrice Young.  
 Ruth Lee Young.  
 Chester Samuel Anderson.  
 Norman Stanley Atwood.  
 Bagdasar Kregor Baghdigian.  
 Percy William Baker.  
 Lester Whiting Ball.  
 Harry Burton Benson.  
 John Carl Berquist.  
 Frank Conant Berry.  
 Lawrence Wenzell Bickford.  
 Walter Donald Bloomer.  
 Everett James Boothby.  
 Leroy Gile Brackett.  
 Fred Arthur Calkin.  
 George Edward Chandler.  
 Wilfred Warren Chandler.  
 Vernal Lincoln Chapman.  
 Charles Moore Clarke.  
 Edward Harold Cole.  
 Charles Dennis Collins.  
 Raymond Alonzo Cushing.  
 Samuel Ernest Cutler.  
 Lester Winthrop Dearborn.  
 Robert Earl Dickson.  
 Howard Walter Eaton.  
 Raymond Henry Farr.  
 William Harmon Farrow.

Ernest Morton Fisher.  
 Joseph Samuel Fogerty.  
 Erving Nelson Fox.  
 John Smith Fyfe.  
 John White Glover.  
 Edward Loron Graves.  
 Charles Emory Hamann.  
 Walter Scott Hamilton.  
 Laurence Rockwell Heath.  
 Carl Nestor Holmes.  
 Leslie Edgar Knox.  
 John Warren Laurie.  
 Arthur Whiting Leighton.  
 Minott White Lewis.  
 James Joseph Lynch.  
 John Edward Lynch.  
 Roy Vincent Macdougall.  
 Frederick Stanley Morison.  
 James Alexander Morrison.  
 Robert Stuart Murdoch.  
 Walter Lawrence Murphy.  
 Edwin Waldemar Nelson.  
 Harry Dadman Nelson.  
 John Austin Pierce.

Otis Roberts Prior.  
 Denton William Randall.  
 Everett Lenox Reed.  
 Herbert Fellows Rich.  
 Clayton Earle Robinson.  
 George Francis Rose.  
 Francis William Rourke.  
 Walter Eldon Sidebottom.  
 Harry Bennett Smith.  
 Earl Frederick Snow.  
 Frank Charles Stackpole.  
 Frederick Walter Stetson.  
 Alfred Bernard Sullivan.  
 Walter Daniel Sullivan.  
 William John Tattan.  
 Horace Prescott Tucker.  
 Harold Sumner Turner.  
 Arthur Scott Waldron.  
 Harry Ernest Waldron.  
 Benjamin Alpheus Ward, Jr.  
 Maitland Sylvester Wellington.  
 Thomas Joseph Woods.  
 Leigh Washburn Wright.

#### TABLE 27.—GRAMMAR SCHOOL GRADUATES.

Graduation exercises of the grammar schools were held in the several grammar school buildings, on the afternoon of Wednesday, June 21. A short address, class singing, and awarding of diplomas constituted the programme.

##### Ederly School.

Addie F. Allison.  
 Edna D. Atwood.  
 Gertrude L. Babson.  
 Myron A. Bruce.  
 William H. D. Cameron.  
 Rina M. Collins.  
 Martha J. Conway.  
 Doris B. Cresto.  
 Teresa R. Crocker.  
 Helen E. Dearborn.  
 Arthur Joseph DeCelles.  
 Myra J. Eaton.  
 Marion L. Frizzell.  
 Nellie F. Fyler.  
 Walter C. Glines.  
 Anna Marion Haggens.  
 Theodore I. Hall.  
 Claire R. Hasty.  
 Mary L. Hatton.  
 Wilbur M. Hazen.

Forrest C. Hemeon.  
 Ruth Marguerite Henriques.  
 Ebba C. Johnson.  
 Clarence I. Langdon.  
 Norman J. MacLeod.  
 Helen Rosaline Milne.  
 Annie E. Murray.  
 Orilla M. Myott.  
 Mildred Perry.  
 Gladys L. Pierce.  
 U. Esther Pineo.  
 Doris May Powers.  
 William L. Preston.  
 Edwin F. Ray.  
 Marion A. V. Shaw.  
 Albert James Stackpole.  
 Ralph B. Stewart.  
 James M. Stuart, Jr.  
 Lawrence W. Taylor.  
 M. Irene Tobin.

##### PROMOTED TO THE HIGH SCHOOL IN FEBRUARY.

Helen Elizabeth Anderson.  
 Edna May DeCelles.  
 Ruth Anna Gifford.  
 Harold E. Hatch.

Blanche Muriel Hawkesworth.  
 Agnes Patrick.  
 Robert Scott, Jr.  
 Walter Joseph Swett.



**Pope School.**

Warren Lincoln Adams.	Catherine Helen MacPherson.
Henry C. Ashton.	Margaret Josephine McCauley.
Lillian J. Ball.	Walter E. McLean.
John Charles Bell.	Mildred Alice McQuinn.
Margaret Bryan.	Alma Vera Oberbeck.
George L. Callahan.	Elmer Knapp Pilsbury.
Charles Robert Campbell.	Rose C. Reardon.
Margaret H. Campbell.	Dennis Regan.
Ethel G. Carvell.	Annie Isabella Ryley.
Margaret M. Cousens.	Mildred Sanderson.
Mary M. Daley.	Alice Savransky.
Harold Thayer DeLancey.	Mary E. Sears.
Ernest Armand Giroux.	Mary Josephine Siggins.
Mildred B. Glawson.	Florence Edna Spaulding.
Annie Gertrude Haggie.	Marie Katherine Thomas.
George Joseph Healey.	Walter A. Towle.
Gertrude M. Kelley.	Richard G. M. Waters.
Lillian V. Kurth.	Bernice M. Whitney.
Theodora T. Lima.	William John Wilson.

**PROMOTED TO THE HIGH SCHOOL IN FEBRUARY.**

Florence G. Bowen.	Selma M. Hannam.
Aldred G. Evans.	Richard W. Van Ummersen.
Eugene B. Frisby.	

**Carr School.**

Evelyn C. Baker.	Elmira L. Jordan.
Etella M. V. Boudreau.	Ellen M. Kennedy.
Inez F. Boudreau.	Louis Kreem.
Dorothy G. Bowers.	Alvina E. LeBlanc.
Leo J. Brennan.	Martha Perry Lincoln.
Margaret Mary Brennan.	George R. MacMaster, Jr.
Thomas W. Caless.	Elizabeth L. Maloney.
Andrew Campbell.	Thomas Edward Meskill.
Catherine A. M. Collins.	George James Murphy.
George F. Conway.	William M. Murphy.
Philip Edward Conway.	Arvid L. Olson.
Hazel A. Cook.	Elizabeth C. O'Neill.
Francis L. Coyne.	Beatrice E. Osborn.
George C. Davis.	Mario J. Padovani.
Henry Staniford Derby.	Olga H. Padovani.
Mabelle E. Dolan.	Manuel V. Parece.
Margaret C. Donovan.	Lillian May Porter.
Edwin H. Down.	Theresa A. Pratt.
George P. Down.	Gladys I. Rowell.
Mary Agnes Dunleavy.	Arthur Steeves.
Alice E. Fitzgibbon.	George O. Teakles.
Edward Fitzpatrick.	Marion B. Temple.
Elizabeth A. Fitzpatrick.	Blanche M. Theriault.
Harold Densmore Grant.	Hazel May Thorpe.
Ruby A. Harper.	Albert E. Watson.
Joseph T. Holmes.	Esther G. White.
Wilfred L. Holmes.	Marion V. Wilson.
Jennie Louise Hunt.	

**PROMOTED TO THE HIGH SCHOOL IN FEBRUARY.**

William F. Bennett, Jr.	Doris D. Farr.
Josephine A. Donahue.	Agnes M. Hurd.



**Brown School.**

Guy Empson Boodry.	Robert A. Mayer.
Doris Bowman.	Hazel M. Mitchell.
Fred Burton.	Ethel Margaret Moffatt.
Dorothy Sayward Calder.	Roland Arthur Moore.
George Sumner Catlin.	Jessie Belle Morrell.
Marion Burgess Dearborn.	Esther Kathryn Murphy.
Benjamin T. Egan.	Reta Edith Myers.
Edward William Fudge.	Lucy Augusta Ohse.
Cora Elizabeth Gay.	Russell Smith Palmer.
Ralph Giles.	Leo E. Phillips.
Annie Irene Graves.	Helen A. Roberts.
Leslie Burnam Gretter.	Raymond Everett Saunders.
Mary Dorothea Griffin.	Howard Errington Spencer.
Blanche Lillian Jolley.	Karl Donaldson Whitmore.
Sidney Perham Lapham.	Ethel M. Wood.
Helen Aloyse Mahoney.	Frances Matthews.

**PROMOTED TO THE HIGH SCHOOL IN FEBRUARY.**

L. Helen Barnard.	Hazel F. Morrill.
Jennie R. Bernson.	Daniel Joseph Norander.
Florence I. Bowdidge.	Elizabeth M. Parks.
Alice May Donovan.	Edith M. Perry.
Eustace B. Fiske.	Leola Frances Rametti.
Lillian Merle Hardy.	Eleanor J. Sutherland.
Herbert Emanuel Lindgren.	Alma Joy Wood.
Lydia Mildred Lindgren.	

**Morse School.**

Howard F. Allen.	M. Gertrude McCarthy.
Willard Day Allen.	Maurice E. McCarthy.
George Anderson.	Helen C. McDonald.
Ruth F. Bacon.	William McLellan.
Joseph J. Begley.	Ethel G. McNeill.
Susan A. Begley.	Charles H. Meserve.
Frank H. Bertucci.	Hazel Thelma Moore.
James A. Bowe.	Beatrice B. Noonan.
Ralph M. Brooks.	Laura Agatha Perron.
Francis W. Conway.	Forrest L. Pitman.
Lutina L. Cunha.	George J. Prentice.
Antonio Damore.	Martin T. Roberts.
John E. Darcy.	Leslie A. Russell.
Dorothy Q. Dickinson.	Minnie M. Schoenle.
Ruth E. Donaldson.	James C. Semple.
Harold Leslie Elwell.	Miriam A. Sherman.
Rose M. Fenochetti.	Beatrice L. Simmons.
Abbie M. Fortunati.	Albert L. Smith.
Umberto A. Fortunati.	Katharine Smith.
Francis John Gillis.	Thomas P. Smith.
Katharine A. Harrington.	Helen Snow.
Charles F. Hasselgren.	Ralph K. Snow.
Agnes Heavern.	Amy E. Spratlin.
Hattie Hemmerlin.	Mildred W. Stevens.
Bertha Elvira Hyden.	George H. Toomey.
Warren A. Kennedy.	Robert J. Toomey.
William Kerr.	Harry E. Waugh.
Harold Albert Kullberg.	Ethel Hilder Werner.
David J. Lanigan.	Madelene Stewart Wiley.
Irma MacLachlan.	Mabel Worcester.
Grace E. Mahoney.	

**PROMOTED TO THE HIGH SCHOOL IN FEBRUARY.**

Violette Ella Cann.

Margaret Mary Hanlon.

**Hodgkins School.**

William C. Allen.  
 Frank O. Berg.  
 Chester E. Berquist.  
 Hugh G. Berquist.  
 Anthony Bianchi.  
 Madge Bishop.  
 Melville B. Bowen.  
 Mabel A. Boyd.  
 Harold C. Breckenridge.  
 Arthur G. Burtnett.  
 Waldo B. Clark.  
 Fred Crandall.  
 Helen E. Crane.  
 Thomas A. Cushman, Jr.  
 Mabel L. Darrah.  
 J. Merrill Davis.  
 Isabel Dearborn.  
 Herbert E. Farrow.  
 Albert R. Fitch.  
 Gordon B. Fitch.  
 Hattie W. Fraser.  
 Doris Greenwood.  
 Stella R. Hart.  
 Doris A. Haseltine.  
 Gladys M. Hawes.  
 Leslie G. Howe.  
 Eleanor W. Jones.  
 Ruth V. Jones.  
 James C. Kellsey.  
 Arthur H. Kirkpatrick.  
 Edwin J. Lane.

Harold A. Lee.  
 H. Bayfield Linkletter.  
 Ilda J. MacLeod.  
 Helen A. McCoubry.  
 Estelle H. McLean.  
 Lloyd A. Mason.  
 Martin Mickelson.  
 George H. Morison.  
 Joseph A. Mulloney.  
 Ralph Orne.  
 Alan M. Painten.  
 Marguerite W. Phelan.  
 F. Pearl Proudfoot.  
 Ethel H. Ramsdell.  
 Charles Reed.  
 Wadsworth Reeves.  
 Alice E. Rice.  
 Blanche L. Richards.  
 Arthur L. Rondina.  
 Orin Roundy.  
 Mina Sherman.  
 Chester N. Shaffer.  
 Edwin W. Simmons.  
 Elsie Simmons.  
 Ethel L. Veinott.  
 Theodore F. Walter.  
 Marion A. Waltz.  
 Alfred W. Watkins.  
 Walter A. Wright.  
 Mary Wylie.  
 Marion M. Wyman.

**PROMOTED TO THE HIGH SCHOOL IN FEBRUARY.**

Leonard E. Arkerson.  
 John Chipman.  
 Lucile M. Cobb.  
 Carl G. Erickson.  
 Myrton F. Evans.  
 Olive F. Foster.

Lillian B. Fowler.  
 Carita B. Hunter.  
 Edna Noyes.  
 Raymond C. Smith.  
 Josephine F. Ungroski.

**Prescott School.**

Bessie Geneva Carpenter.  
 John Leo Carroll.  
 Ruth G. Chamberlin.  
 Bernard L. Chapin.  
 Francis H. Crowley.  
 Maud E. Decker.  
 Waldo P. Decker.  
 Amy A. Fletcher.  
 Margaret M. Flynn.  
 Mary Ford.  
 Grace O. Goodspeed.  
 Pearl E. Graves.

Thelma Gray.  
 John M. Hall.  
 Matthew F. Hayden.  
 Annie S. Henderson.  
 Anne E. Howard.  
 Grace L. Johnson.  
 Warren F. Keeble.  
 Charles T. McCaffrey.  
 Alfred J. McGonnell.  
 Joseph E. O'Donnell.  
 Cecil L. Pingree.  
 Emma J. P. Raymond.

Benjamin F. Robbins.  
 Carl Stuart Rose.  
 Guy A. Sampson.  
 Eva Isabel Savage.  
 Charles Theodore Schulz.  
 Annie Mae Small.

Jennie C. Smith.  
 Benjamin Harrison Stevens.  
 Christina Olner Thomas.  
 Mary J. Thornton.  
 Frank Tierman.

### Glines School.

Fred Paul Alletzhausser.  
 Charles Rupert Ansell.  
 Howard Clifton Atwood.  
 Evelyn Lillian Bailey.  
 Florence I. Barnes.  
 Lillian Mary Basill.  
 Nathan Benjamin.  
 Gladys Nellie Blake.  
 Arthur Elmer Brown.  
 Alfred Arthur Cadario.  
 William Joseph Cahalan.  
 Mabel Campbell.  
 Martha Frances Candage.  
 Mary Helen Candage.  
 Maria Stone Carreiro.  
 Agnes Margaretta Carroll.  
 Mabel Lillian Carroll.  
 Charles Whiting Chase.  
 Elsie Marie Chick.  
 Mildred Josephine Chick.  
 Ernest William Church.  
 Mae Jackson Clouse.  
 Lillian Cohen.  
 Rosa Cohen.  
 Alice May Dill.  
 Edward F. Dixon.  
 Janet Eastman.  
 George Russell Estee, Jr.  
 Albert R. Fallen.  
 Catherine Agnes Finigan.  
 Anna Lavinia Fisher.  
 Belle Richmond Foster.  
 Gardiner Newcomb Fretch.  
 Gerard Friel.  
 Ruth Gove Fuller.  
 Catherine Gilcs.

Horace Edward Gillmore, Jr.  
 Arthur Chester Gillon.  
 Helen Louise Goudie.  
 William Mark Hanna.  
 Lillian Belle Henley.  
 Ervin Lester Higgins.  
 Marion Howe.  
 C. Herbert Jefferson.  
 Warren Bradbury Jennings.  
 J. Bernice Jensen.  
 Robert Burckes Jones.  
 Anna Elizabeth Laforet.  
 Isaac Lauren Laird.  
 Beatrice Emily Leaker.  
 Clarence Burlin Lord.  
 Gertrude Mary Lynch.  
 Ronald Scribner Macdonald.  
 Abbie F. Marr.  
 Raymond Joseph McCarthy.  
 Ruth Agnes Miller.  
 Charles Earl Herbert Moore.  
 Ray Elmer Nichols.  
 Arthur Balfour Nickerson.  
 Grace E. Pfaff.  
 William Harold Quinlan.  
 Ethel Reed.  
 Lewis A. Rich.  
 Wylie Johnson Richardson.  
 Harold Stephen Ryan.  
 Lawrence Leo Shea.  
 Horace Decater Snow.  
 Grace Bond Summers.  
 Thomas Hudson Taylor.  
 Anna Sarah Walker.  
 Margaret Wilcy.

### PROMOTED TO THE HIGH SCHOOL IN FEBRUARY.

Leonard T. Bacr.  
 Clayton Cary Ellis.

Mason Bernard Fleming.  
 Adele H. Milne.

### Highland School.

James Ashman.  
 Madeline Armond Ballard.  
 Roy A. Berg.  
 Hazel C. Bowe.  
 Howard Vilno Blanchard.  
 John Edward Brady.  
 Evelyn J. Buckman.  
 Cecilia Bullard.

Ina W. Caldwell.  
 David A. Carlson.  
 Royal A. Carman.  
 Dorothy S. Collieson.  
 Alice G. Crowe.  
 Florence B. Dalton.  
 Marguerite Danforth.  
 Francis P. Downing.

Helen Louise Dwyer.  
 Doris C. Engstrom.  
 Maybelle Feindel.  
 Irving W. Fillmore.  
 Jean A. Finlayson.  
 Granville H. Flagg.  
 Mary Ellen Foley.  
 Marion Ruth Foster.  
 Raymond Carroll Gage.  
 Clifford Keene Gillette.  
 Sidney H. Given.  
 Gustino Rose Gnecco.  
 Dorothea Gray.  
 Florence Hall.  
 Harold E. Hamlin.  
 Ella M. Hardy.  
 Alice G. Harrison.  
 Beatrice H. Hayden.  
 Ernest L. Haywood.  
 Eugene C. Henderson.  
 Florence Herring.  
 Alfred Hibbert.  
 Richard H. Hopkins.  
 Marion G. Hughes.  
 Carrie M. Hutchins.  
 Marjorie Jackson.  
 Francis Erburn Keay.  
 Paul J. Keenan.  
 Naomi L. Keene.  
 James Bryden Kellock.  
 Joseph A. Kennedy.  
 Charles B. Kendall.  
 Frank H. Kimber.  
 George H. Lane.  
 Laura W. Lewis.

Thomas B. Marshall.  
 Margaret V. Martin.  
 Edith B. McCarthy.  
 G. Stanley Miles.  
 Olivia Mortensen.  
 Mildred Muller.  
 Ruby Adell Nelson.  
 Almira B. Palmer.  
 Olivette M. Pigott.  
 Harold L. Pinkham.  
 Kenneth C. Reynolds.  
 Mary E. Ritchie.  
 Angelina M. Santas.  
 John C. Silver.  
 Catherine G. Sharkev.  
 Murial E. Shattuck.  
 Myrtle E. Shattuck.  
 Louise M. Skinner.  
 Florence G. Smallwood.  
 Hazel French Stanley.  
 Lillian Stewart.  
 Gertrude E. Tapper.  
 Mildred Ruth Titus.  
 Frank Clarence Travers.  
 Fred E. Trefren.  
 Elmer H. Trump.  
 Mildred H. Twombly.  
 Merrill G. Wallace.  
 William Russell Warner.  
 Howard Whitney Warren.  
 Marie P. Washburn.  
 Oscar A. Westerberg.  
 Gladys F. Young.  
 Grace S. Young.

**PROMOTED TO THE HIGH SCHOOL IN FEBRUARY.**

Marguerite F. Atwood.  
 Dorothy Blackall.  
 Walter F. Coleman.  
 Margaret F. Malcomson.

Florénce E. Marshall.  
 Hazel H. Moore.  
 Carl A. Tholander.  
 Mae G. Weldon.

**Knapp School.**

Alma C. A. Aldridge.  
 William Eliot Andersen.  
 Peter J. Arnold.  
 William Beattie.  
 Harry Isadore Berman.  
 Bertha Louise Blomquist.  
 Alice Elizabeth Blouin.  
 Elizabeth Anna Boggs.  
 Arthur Laurence Bradley.  
 George Joseph Bratton.  
 Maxime Charles Brazeau.  
 Elsie Macdonald Bremner.  
 Elbridge Gerry Brooks.  
 Catherine J. Burke.  
 Lon Hamilton Burns.  
 S. Mabel Carlin.

William Clarke.  
 Thomas James Collins.  
 Lucy Alinda V. Comfort.  
 Margaret Veronica Conneilly.  
 Herbert W. Corliss.  
 Gregory James Cunningham.  
 Rita Eleanor Dawson.  
 Helen Gertrude Dewire.  
 Ada M. Donnelly.  
 Edward James Donovan.  
 John P. Dromgoole.  
 Lottie M. Eaton.  
 Ella Pauline Evenson.  
 Elsie Maude Everton.  
 Benjamin Flayderman.  
 Helena A. Forrest.



Rose Viola Friel.  
 Grace Elizabeth Glynn.  
 Evelyn M. Grady.  
 Grace Evelyn Gummo.  
 Josephine Wallingford Hill.  
 Beulah Jennie Hoar.  
 John Joseph Hogan.  
 Jessie Esther Hozid.  
 Ella May Hudson.  
 Mary D. Knowles.  
 Helen Grace Koschwitz.  
 Walter O. Larsen.  
 John Joseph Leahy.  
 Anna Gertrude Madden.  
 Lillian B. Magown.  
 Margaret E. L. Malsbenden.  
 Edgar Alexander Marchant.  
 Blanche Eva Marcille.  
 Herbert Sterling Martin.  
 Mary Agnes McCarthy.  
 George Vincent McCauley.  
 Agnes Mary McNamara.  
 Mary Agatha Miller.  
 Frederick J. Moody.  
 Samuel Edmond Nason.

Arthur Bernhard Olson.  
 E. Evelyn Pearlman.  
 Lena Elizabeth Pearlman.  
 Mabel Agnes Peck.  
 Mabel Emma Reilly.  
 Bertha Adrian Riley.  
 Joseph D. Rondina.  
 Charles Herbert Roosa.  
 Anna Russell.  
 William Sanders.  
 Louis J. Schwalb.  
 Hazen Elwyn Shattuck.  
 Mary E. Smith.  
 Maria José Sousa.  
 Louis Specter.  
 Anton Steidle.  
 Madeline Alice Sullivan.  
 Mary Elizabeth Sullivan.  
 Henry G. Taff.  
 Amedeo Tangherlini.  
 Birdie Christina Tyler.  
 John J. Walsh.  
 Samuel Weiner.  
 Samuel Wermont.  
 Harold George Wilson.

#### Forster School.

Martha Aldrich.  
 Helen V. Anderson.  
 Irene E. Andrews.  
 Grace I. Annis.  
 Miriam Beers.  
 Helen M. Bennett.  
 Eleanor J. Bent.  
 Gladys W. Booth.  
 Annie J. Brown.  
 Esther P. Bryant.  
 Royden L. Burbank.  
 Ellen A. Coolen.  
 Hazel E. Craft.  
 Doris L. Crenner.  
 Curtis F. Day.  
 Agnes Donnelly.  
 Everett F. Doten.  
 Forrest D. Drew.  
 Beatrice N. Dugmore.  
 Dorothy Dunton.  
 Morton S. Enslin.  
 George A. Farrell.  
 Lewena M. Fermoyle.  
 Esther L. Fielding.  
 Harold C. Fitz.  
 Mera L. Flint.  
 Marjorie French.  
 Effie M. Garland.  
 Harold J. Gerrior.  
 Elizabeth B. Graham.  
 Margery Haggerty.  
 I. Chesterfield Hall.

Charlotte I. Halpin.  
 George F. Halpin.  
 Edwin K. Harding.  
 Mary E. Hession.  
 William E. Higham.  
 Alan G. Hill.  
 Frank A. Hutchinson.  
 Arthur O. Jackson.  
 Frederick R. Kenney.  
 Hazel M. Lawrence.  
 Grace M. Lebert.  
 Fred M. Leighton.  
 Dorothy M. Lewis.  
 J. Norman MacCorkle.  
 George A. Macomber, Jr.  
 Katherine A. Madigan.  
 Veronica C. Madigan.  
 Laura M. Mason.  
 Alva G. Maynard.  
 Dorothy M. McCoy.  
 Melvin S. McLeod.  
 Lincoln Moore.  
 Joseph H. Morrill.  
 Lillian A. F. Murray.  
 Ida O. Myott.  
 Raymond H. Newcomb.  
 Marguerite A. O'Connell.  
 Charlotte L. Perry.  
 Melba Peters.  
 Donald I. Pitman.  
 Alice T. Reardon.  
 Mary G. Reynolds.

Marion Rich.  
 Barbara Sawyer.  
 William R. Sawyer.  
 Walter T. Selg.  
 Robert H. Sharkey.  
 Frank L. Sibley.  
 Evelyn A. Smith.  
 Irene I. Smith.  
 Hazel A. Stark.

Ethel M. Stevens.  
 Clarence M. Super.  
 Doris Underhill.  
 Edward A. Waldron, Jr.  
 Helen Wiley.  
 Rizpah M. Williams.  
 Paul B. Woodbridge.  
 Ruth S. Woodbridge.  
 James E. Worthley.

### Bingham School.

Hyman Baker.  
 James T. Burke.  
 Mary Veronica Cahill.  
 Gertrude E. Cody.  
 George W. Cronin.  
 Francis H. Davis.  
 Lillian Emma DeLorme.  
 Alice M. Doherty.  
 Helen Louise Doherty.  
 Oscar E. Dubord.  
 Grace V. Ducey.  
 Anna Louise Gurvin.  
 Margaret M. Hallion.  
 Jenny Constance Hansen.  
 Adele V. Jodkois.  
 Esther Josephine Johansen.

Eva A. Kiliotaitis.  
 George M. Kennedy.  
 Joseph E. Lucas.  
 Alice Frances Martin.  
 Charles Montier.  
 Anna Collette Mullarkey.  
 Leon A. Nowlin.  
 Leonard A. Nowlin.  
 Russell M. Palmer.  
 Marie A. Quessy.  
 Clement L. Robinson.  
 Marie Salomon.  
 Grace W. Sandberg.  
 Thomas P. Savage.  
 Walter J. Sullivan.  
 Ethel R. Benoit.

### PROMOTED TO THE HIGH SCHOOL IN FEBRUARY.

Marcella M. Garrick.  
 Beatrice H. Gutoski.  
 James L. Kiley.

Frank A. Magno.  
 John T. Robinson.

### Bell School.

Charles David Applin.  
 Ruth Evelyn Babcock.  
 Caroline Harriett Bennett.  
 Jason Frederick Bickford.  
 Avlen J. Blunden.  
 Ethel L. Blunden.  
 Frank Merton Bradley.  
 Maude Beatrice Bridges.  
 Elsie Dorothy Brodil.  
 Eliot Hoxie Bryant.  
 Estelle M. Cameron.  
 Marion Spring Clark.  
 Alice Nellie Clarke.  
 Alice Rose Clarke.  
 Russell Wallace Conklin.  
 Alice Margaret Cumming.  
 John Anthony Cumming.  
 Haldeen Rose DeLay.  
 George Donovan, 2d.  
 Freida May Ernst.  
 Lulu June Ernst.  
 William F. Fitzgerald.  
 Emma Francis Foster.  
 Mary Lois Frazee.

Helen R. Glenn.  
 Marion Frances Goss.  
 Mary Louise Gow.  
 Ruth Miller Hall.  
 Edna May Hart.  
 Constance Frances Hastings.  
 Walter LeRoy Herget.  
 Alice Newcomb Higgins.  
 Laura Etta Hildebrand.  
 Mabel Anna Joy.  
 Muriel Baldwin Leahy.  
 Philip Merritt LeGallee.  
 Joseph P. Lemos.  
 George H. Lincoln.  
 Florence S. Long.  
 Mary Ursula Madden.  
 Bernard L. Maxwell.  
 William Albert McCarthy.  
 Charles Aloysius McElroy.  
 Catherine A. M. McLaughlin.  
 Alexander F. McQueston.  
 George Edward Mitchell.  
 Raymond Douglass Morrison.  
 Geneva May Mugford.

Dorothy Bertha Murphy.  
Frank O. J. Nardini.  
Charles Augustus Perkins.  
Willis Hubbard Pond.  
Mildred Lydia Redden.  
Clara L. Sanborn.  
Della Frances Savary.  
Edith Eugenie Scriven.  
Donald Borden Smith.  
Marjorie Dean Spencer.  
Mildred Howard Sprague.

Lindsley Richard Sterling.  
Harold Arnett Todd.  
Raymond Martin Vorce.  
Joseph B. Walsh.  
Robert E. Walsh.  
Phillip Kimball Watson.  
William James Welch.  
Ralph Waldron Williams.  
Thelma M. Winchenbaugh.  
Helen Gertrude Wingate.

**PROMOTED TO THE HIGH SCHOOL SEPTEMBER 7, 1910.**

Grace Elston.  
June Mathilde Moody.

Alice Edna Winton.

**Table 28.—ORGANIZATION OF SCHOOL BOARD, 1912.****School Committee.**

HENRY H. FOLSOM, . . . . .	Chairman
GEORGE C. MAHONEY, . . . . .	Vice-Chairman

**Members.**

		Term expires January.
EX-OFFICIIS.		
CHARLES A. BURNS, Mayor,	27 Thurston street	1913
JOSEPH O. KNOX, President Board of Aldermen,	109 Rogers ave.	1913
WARD ONE.		
EMORY F. CHAFFEE,	109 Pearl street	1913
MRS. MARY G. WHITING,	61 Mt. Vernon street	1914
WARD TWO.		
THOMAS M. CLANCY,	52 Springfield street	1913
DANIEL H. BRADLEY,	19 Concord avenue	1914
WARD THREE.		
ALBERT C. ASHTON,	33 Columbus avenue	1913
GEORGE E. WHITAKER,	75 Walnut street	1914
WARD FOUR.		
GEORGE W. FOSTER,	7 Evergreen avenue	1913
CHARLES A. KIRKPATRICK,	27 Sewall street	1914
WARD FIVE.		
J. WALTER SANBORN,	183 Central street	1913
HENRY H. FOLSOM,	103 Central street	1914
WARD SIX.		
MRS. MARY R. BREWER,	170 Summer street	1913
FREDERICK A. P. FISKE,	44 Cherry street	1914
WARD SEVEN.		
MRS. LILLA H. TAINTER,	46 Chester street	1913
GEORGE C. MAHONEY,	97 College avenue	1914

**Superintendent of Schools.**

CHARLES S. CLARK.

Office: City Hall Annex, Highland avenue.

Residence: 82 Munroe street.

The Superintendent's office will be open on school days from 8 to 5; Saturdays, 8 to 10. His office hours are from 4 to 5 on school days, and 8 to 9 on Saturdays.

Office telephone, 314; house telephone, 12.

Superintendent's office force:—

Justin W. Lovett, 13 Hudson street.

Mary A. Clark, 42 Highland avenue.

Mildred A. Merrill, 26 Cambria street.

**Board Meetings**

January 29.	April 29.	September 30.	December 27.
February 26.	May 27.	October 28.	January 3, 1913
March 25.	June 24.	November 25.	

8.15 o'clock.



**TABLE 28.—ORGANIZATION OF SCHOOL BOARD, 1912.—Concluded.****Standing Committees, 1912.**

Note.—The member first named is chairman.

High Schools.—Sanborn, Mahoney, Clancy, Ashton, Foster, Fiske, Mrs. Whiting.

District I.—Chaffee, Mrs. Whiting, Clancy.  
PRESCOTT, HANSCOM, BENNETT.

District II.—Clancy, Bradley, Chaffee.  
KNAPP, PERRY, BAXTER.

District III.—Ashton, Whitaker, Mrs. Whiting.  
POPE, BELL, CUMMINGS.

District IV.—Foster, Kirkpatrick, Sanborn.  
EDGERLY, GLINES.

District V.—Sanborn, Folsom, Kirkpatrick.  
FORSTER, BINGHAM.

District VI.—Mrs. Brewer, Fiske, Folsom.  
CARR, MORSE, PROCTOR, DURELL, BURNS, BROWN.

District VII.—Mrs. Tainter, Mahoney, Fiske.  
HIGHLAND, HODGKINS, LINCOLN, LOWE.

Finance.—Kirkpatrick, Sanborn, Clancy, Chaffee, Whitaker, Foster, Folsom, Burns, Knox.

Text-Books and Courses of Study.—Whitaker, Chaffee, Bradley, Kirkpatrick, Folsom, Mrs. Tainter, Mrs. Brewer.

Industrial Education.—Foster, Sanborn, Kirkpatrick, Mrs. Whiting, Ashton, Clancy, Mrs. Tainter.

School Accommodations.—Mahoney, Bradley, Chaffee, Fiske, Mrs. Brewer, Kirkpatrick, Sanborn, Burns, Knox.

Teachers.—Fiske, Whitaker, Bradley, Mrs. Tainter, Folsom.

Playgrounds and School Hygiene.—Mrs. Whiting, Mrs. Brewer, Mahoney, Clancy, Ashton.

Rules and Regulations.—Bradley, Fiske, Mahoney,

TABLE 29.—TEACHERS IN SERVICE JANUARY, 1912.

NAME AND RESIDENCE.	Salary.	Began Service.
<b>HIGH SCHOOL.</b>		
Central Hill.		
JOHN A. AVERY, Head Master, 22 Dartmouth Street . . . . .	\$3,100	1895
Everett W. Tuttle, Master, 62 Highland Avenue . . . . .	2,000	1895
Frank M. Hawes, Master, 257 School Street . . . . .	2,000	1879
Charles T. Murray, Master, 28 Franklin Street . . . . .	2,000	1887
Harry L. Jones, Sub-Master, 137 Powder House Boulevard . . . . .	1,700	1896
Howard W. Poor, Sub-Master, 27 Mt. Vernon Street, Reading . . . . .	1,700	1896
Harry F. Sears, Sub-Master, Melrose Highlands . . . . .	1,700	1901
George M. Hosmer, Sub-Master, 13 Arlington Street . . . . .	1,700	1901
William W. Obear, Sub-Master, 86 Belmont Street . . . . .	1,700	1906
William D. Sprague, Sub-Master, 16 Pleasant Avenue . . . . .	1,800	1906
Frank H. Wilkins, Sub-Master, 14 Heath Street . . . . .	1,700	1906
Laurence A. Sprague, Sub-Master, West Newton . . . . .	1,500	1906
John M. Jaynes, Sub-Master, 29 Putnam Street . . . . .	1,400	1901
Roy W. Hatch, Sub-Master, West Medford . . . . .	1,600	1909
Guy C. Blodgett, Sub-Master, 12 Highland Avenue . . . . .	1,300	1910
Seth A. Loring, Sub-Master, No. Wilmington . . . . .	1,300	1911
Walter I. Chapman, Sub-Master, 18 Central Street . . . . .	1,300	1911
Augustus B. Tripp, Sub-Master, 67 Wallace Street . . . . .	1,050	1909
S. Thomas Hall, Sub-Master, 26 Vinal Avenue . . . . .	1,050	1910
Clarence L. Foster, Assistant, 48 Hudson Street . . . . .	1,000	1911
Arthur W. Wathen, Laboratory Assistant, 37 Madison Street . . . . .	700	1911
Frances W. Kaan, Assistant, 133 Central Street . . . . .	1,200	1882
A. Marion Merrill, Assistant, 66 Highland Avenue . . . . .	1,200	1895
Helen L. Follansbee, Assistant, 40 Vinal Avenue . . . . .	1,200	1900
Mrs. Lena Gilbert, Assistant, 51 Elmwood Street . . . . .	1,000	1892
Mrs. Mary J. Wolcott, Assistant, Arlington . . . . .	1,000	1895
Mrs. Mary C. Thurston, Assistant, 271 Medford Street . . . . .	1,000	1898
Harriet E. Tuell, Assistant, 10 Harvard Place . . . . .	1,000	1899
Elizabeth Campbell, Assistant, 15 Pleasant Avenue . . . . .	1,000	1902
A. Laura Batt, Assistant, 66 Highland Avenue . . . . .	1,000	1895
M. Helen Teele, Assistant, Arlington . . . . .	1,000	1895
Clara A. Johnson, Assistant, 177 Central Street . . . . .	1,000	1897
Elizabeth H. Hunt, Assistant, Cambridge . . . . .	1,000	1908
Mabel G. Curtis, Assistant, Cambridge . . . . .	1,000	1903
Mary E. Hadley, Assistant, Arlington Heights . . . . .	1,000	1907
Natalie A. Smith, Assistant, 60 Albion Street . . . . .	1,000	1909
Eudora Morey, Assistant, Boston . . . . .	900	1874
Bessie D. Davis, Assistant, 13 Mt. Vernon Street . . . . .	900	1901
Ella D. Gray, Assistant, 147 Walnut Street . . . . .	900	1901
Nellie H. Swift, Assistant, 82 Boston Street . . . . .	900	1904
Ruth Tousey, Assistant, 106 Professors Row . . . . .	900	1904
Anna Pushee, Assistant, 10 Harvard Place . . . . .	900	1904
Bessie L. Forbes, Assistant, 92 Orchard Street . . . . .	900	1899
Bertha A. Raymond, Assistant, 85 Central Street . . . . .	900	1900
Blanche S. Bradford, Assistant, 161 Summer Street . . . . .	900	1903
Grace E. Burroughs, Assistant, 83 Munroe Street . . . . .	900	1906
F. Gertrude Perkins, Assistant, 21 Highland Avenue . . . . .	900	1906
Mabel Butman, Assistant, 49 Boston Street . . . . .	900	1906
Grace Gatchell, Assistant, 49 Vinal Avenue . . . . .	900	1906
Flora E. Anderson, Assistant, 8-A Hancock Street . . . . .	900	1907
Grace E. W. Sprague, Assistant, Cambridge . . . . .	900	1908
Kate M. Monro, Assistant, 44 Albion Street . . . . .	900	1909
A. Marguerite Browne, Assistant, Cambridge . . . . .	900	1908
Esther Parmenter, Assistant, 10 Evergreen Avenue . . . . .	850	1910
Annie C. Woodward, Assistant, 150 School Street . . . . .	800	1906
Edith L. Hurd, Assistant, 125 Central Street . . . . .	850	1910
Nancy B. Kimball, Assistant, Malden . . . . .	850	1910
Julia T. Connor, Assistant, 59 Church Street . . . . .	850	1911
Hattie M. Baker, Assistant, 70 Pearson Avenue . . . . .	700	1911
Bertha Bray, Assistant, 98 Professors Row . . . . .	800	1911
Mildred W. Clark, Assistant, Cambridge . . . . .	600	1911
Mabell M. Ham, Clerk, 41 Boston Street . . . . .	700	1906

TABLE 29.—Teachers in Service January, 1912.—Continued.

Grade.	NAME AND RESIDENCE.	Salary.	Began Service.
(WILLIAM H.) PRESCOTT SCHOOL.			
Pearl and Myrtle Streets.			
9.	SAMUEL A. JOHNSON, Master, 83 Thurston Street . . . . .	\$1,900	1893
9.	Elizabeth M. Warren, 46 Vinal Avenue . . . . .	775	1897
8.	Susie M. Hosmer, 31 Thurston Street . . . . .	700	1899
8.	Emma M. Cate, 15 Fletcher Street, Winchester . . . . .	700	1882
7.	Edyth M. Grimshaw, Readville . . . . .	700	1909
7.	May C. Eaton, Malden . . . . .	700	1911
6.	Mary L. Abbott, 102 Walnut Street . . . . .	700	1910
6.	Florence A. Eaton, 56 Walnut Street . . . . .	700	1906
5.	Georgiana Smith, 56 Walnut Street . . . . .	700	1906
4.	Clara Taylor, 36 Flint Street . . . . .	700	1871
3.	Elizabeth L. Marvin, 41 Greenville Street . . . . .	700	1898
2.	Louise E. Pratt, 110 Pearl Street . . . . .	700	1889
1.	A. Louise Bean, 8 Hamlet Street . . . . .	700	1904
SANFORD HANSCOM SCHOOL.			
Webster and Rush Streets.			
6, 5.	ELIZABETH M. COLLINS, Principal, 2 Madison Street . . . . .	\$1,300	1901
Asst.	Mrs. Agness M. Travis, Winthrop Highlands . . . . .	700	1908
5.	Mary V. Williams, 73 High Rock Street, Lynn . . . . .	700	1908
4.	Mary B. Nelson, South Lincoln, Mass. . . . .	700	1906
4, 3.	Frances E. Robinson, 89 Cross Street . . . . .	700	1908
3.	Jennie M. Twiss, 67 Berkeley Street . . . . .	700	1903
2.	Maude A. Nichols, 15 Pleasant Avenue . . . . .	700	1906
2.	Mattie L. Littlefield, 65 Glen Street . . . . .	700	1897
1.	Phenie L. DuGar, 46 Vinal Avenue . . . . .	700	1907
1.	Alice M. Saben, 110 Pearl Street . . . . .	525	1903
Kind'n.	Elizabeth J. Baker, 78 Highland Avenue . . . . .	600	1907
Asst.	Florence M. Shaw, 68 Central Street . . . . .	425	1909
Ungraded Class	Mrs. Nellie W. McPheters, 130 Sycamore Street . . . . .	500	1911
INDUSTRIAL SCHOOL FOR BOYS (Day).			
Davis Bldg., Tufts Street.			
	E. Minor Morse, Principal, 34 Ware Street . . . . .	\$1,500	1910
	Charles W. Hum, 18 Bartlett Street, Malden . . . . .	1,600	1910
	Nehemiah E. Gillespie, 25 Stone Avenue . . . . .	1,000	1911
	Ethel F. Strom, clerk, 53 Ash Avenue . . . . .	320	1911
CLARK BENNETT SCHOOL.			
Poplar and Maple Streets.			
6, 5.	ELIZABETH M. COLLINS, Principal, 2 Madison Street . . . . .	\$1,300	1912
Asst.	Kate B. Gifford, 66 Highland Avenue . . . . .	750	1902
5.	Mrs. Bertha T. Moore, 9 Hamlet Street . . . . .	700	1911
4.	Katherine C. Connolly, 101 School Street . . . . .	700	1897
4, 3.	Mrs. Nettie L. Fay, 12 Grand View Avenue . . . . .	700	1901
3.	Nellie F. Eaton, 15 Pleasant Avenue . . . . .	700	1906
3, 2.	Eleanor W. Nolan, 13 Pleasant Avenue . . . . .	700	1909
2.	Isadore E. Taylor, 36 Flint Street . . . . .	700	1883
1.	Bertha M. Martindale, 21 Highland Avenue . . . . .	700	1902
1.	Mrs. Cora B. Gowen . . . . .	700	1906
Kind'n.	Caroline G. Baker, 40 Benton Road . . . . .	600	1896

TABLE 29.—Teachers in Service January, 1912.—Continued.

Grade.	NAME AND RESIDENCE.	Salary.	Began Service.
GEORGE L. BAXTER SCHOOL.			
Bolton Street.			
5.	MARY G. BLACKWELL, Principal, 45 Ibbetson Street . . . . .	\$825	1900
4.	Etta R. Holden, 12 Warren Avenue . . . . .	700	1908
3.	Julia A. Mahoney, 16 Parker Street . . . . .	700	1904
2.	Agatha G. F. Commins, 24 Hanson Street . . . . .	700	1901
1.	Maria D. McLeod, 1 Highland Park, Cambridgeport . . . . .	700	1906
Kind'n.	Eleanor A. Connor, 59 Church Street . . . . .	600	1903
Asst.	Martha W. Delay, 48 Beacon Street . . . . .	275	1911
OREN S. KNAPP SCHOOL.			
Concord Avenue.			
9.	JOHN SHERBURNE EMERSON, Master, 3 Preston Road . . . . .	\$1,900	1894
9.	Mary J. Malaney, 18 Pleasant Avenue . . . . .	775	1908
9, 8.	Bessie N. Page, 9 Preston Road . . . . .	700	1911
8.	Nellie Theresa McCarthy, Woburn . . . . .	700	1909
8.	Minnie A. Holden, 25 Munroe Street . . . . .	700	1906
7.	Clara B. Parkhurst, 22 Highland Avenue . . . . .	700	1889
7.	Clara B. Sackett, 91 Summer Street . . . . .	700	1891
7, 6.	Edith Hersey, 154 Washington Avenue, Chelsea . . . . .	700	1899
6.	Florence M. Hopkins, 50 Craigie Street . . . . .	700	1907
5.	Nona E. Blackwell, 45 Ibbetson Street . . . . .	600	1906
4.	Annie E. Robinson, 151 Summer Street . . . . .	700	1876
3.	L. Gertrude Allen, 230 Washington Street . . . . .	700	1884
2.	Minnie Alice Perry, 267 Medford Street . . . . .	700	1891
1.	M. Edith Callahan, Woburn . . . . .	650	1911
ALBION A. PERRY SCHOOL.			
Washington Street, near Dane.			
6.	CATHERINE E. SWEENEY, Principal, 633 Broadway . . . . .	\$825	1901
5.	Mary A. Mullin, 27 Shawmut Street . . . . .	600	1910
4.	Irene Vincent, 47 Vinal Avenue . . . . .	700	1903
3.	Alice L. Reid, 37 Spring Street . . . . .	600	1910
2.	Charlotte Holmes, 49 Laurel Street . . . . .	700	1899
1.	Mrs. Sarah E. Murphy, 21 Fountain Avenue . . . . .	700	1906
CHARLES G. POPE SCHOOL.			
Washington and Boston Streets.			
9.	GEORGE M. WADSWORTH, Master, Whitman . . . . .	\$1,900	1891
9.	Florence A. Chauey, 56 Boston Street . . . . .	775	1892
9, 8.	Alice I. Norcross, 90 Russell Avenue, Watertown . . . . .	700	1885
8.	Harriet M. Clark, 10 Vernon Street, West Medford . . . . .	700	1893
7.	Mrs. Blanche G. North, 103 Kidder Avenue . . . . .	700	1893
7.	M. Abbie Tarbett, 11 Washington Street, Stoneham . . . . .	700	1906
6.	Edith A. Maxwell, 17 Pleasant Avenue . . . . .	700	1906
6.	Lena F. Shaw, 23 Abbott Street, Dorchester . . . . .	700	1905
5.	Lizzie W. Parkhurst, 22 Highland Avenue . . . . .	700	1885
4.	Annie G. Sheridan, 84 Prospect Street . . . . .	700	1886
3.	M. Katherine Davis, 11 Harvard Place . . . . .	700	1904
2.	Florence E. Locke, 9 Prospect Hill Avenue . . . . .	700	1899
1.	Alice B. Frye, 131 Buckman Street, Everett . . . . .	700	1904



TABLE 29. — Teachers in Service January, 1912. — Continued.

Grade.	NAME AND RESIDENCE.	Salary.	Began Service.
LUTHER V. BELL SCHOOL.			
Vinal Avenue.			
9.	HARLAN P. KNIGHT, Master, 61 Putnam Street . . . . .	\$1,900	1897
9.	Alice L. Davis, 40 Vinal Avenue . . . . .	775	1895
9, 8.	Grace E. Weeks, 32 Vinal Avenue . . . . .	725	1899
8, 7.	Rena S. Hezelton, 26 Cambria Street . . . . .	700	1909
7.	Eva R. Barton, Stoneham . . . . .	700	1904
7.	Mary F. Osborne, 67 Boston Street . . . . .	700	1908
6, 5.	Mrs. Mabel T. Totman, 17 Pleasant Avenue . . . . .	700	1893
6.	Julia A. Simmons, Boston . . . . .	650	1911
5.	Emma F. Schuch, 25 Tufts Street . . . . .	700	1874
4.	Ella H. Bucknam, 211 Summer Street . . . . .	700	1897
3.	Blanche L. Paine, 11 Landers Street . . . . .	700	1905
(JOHN A.) CUMMINGS SCHOOL.			
School Street, near Highland Avenue.			
3.	FANNIE L. GWYNNE, Principal, 65 School Street . . . . .	\$775	1886
4.	Daisy W. Cushman, 40 Vinal Avenue . . . . .	700	1906
2.	Angeline Cam, Hotel Woodbridge . . . . .	700	1897
1.	Lucia Alger, 17 Gibbens Street . . . . .	700	1889
(JOHN G.) EDGERLY SCHOOL.			
Cross and Bonair Streets.			
9:	CHARLES E. BRAINARD, Master, 82 Munroe Street . . . . .	\$1,900	1889
9.	M. Eva Warren, 151 Walnut Street . . . . .	775	1906
9, 8.	Annie L. Dimpsey, Hotel Woodbridge . . . . .	700	1891
8.	Mary E. Richardson, 6 Everett Avenue . . . . .	700	1893
7.	Mabel C. Mansfield, 6 Everett Avenue . . . . .	700	1893
7.	Isabelle M. Gray, 23 Webster Street . . . . .	700	1897
6.	Edith M. Snell, 4 Vine Street, Melrose . . . . .	700	1900
5.	G. Hortense Pentecost, 154 Walnut Street . . . . .	700	1905
5, 4.	J. Louise Smith, 196 Washington Street, Lynn . . . . .	700	1896
4.	Lillian Nealley, 109 Glen Street . . . . .	700	1882
3.	Alice W. Cunningham, 62 Highland Avenue . . . . .	700	1901
1.	Martha M. Power, 37 Gleason Street, West Medford . . . . .	700	1890
JACOB T. GLINES SCHOOL.			
Jaques Street, near Grant Street.			
9	MARY E. NORTHUP, Master, 9 Forster Street . . . . .	\$1,900	1878
9.	Mary E. Stiles, 9 Forster Street . . . . .	775	1883
8.			
7.	Lilla M. Marble, 9 Bradford Avenue . . . . .	700	1902
6.	Louise V. Richardson, 61 Heath Street . . . . .	700	1907
6.	Ellen A. Boynton, 10 Grant Street . . . . .	700	1891
5.	Margaret A. Orr, 15 Blagden Street, Boston . . . . .	700	1890
4.	Mary A. Goddard, 9 Winter Hill Circle . . . . .	700	1893
4, 3.	Mrs. Carrie Armitage, 57 Madison Street . . . . .	700	1899
3.	Florence E. Baxter, 49 Hudson Street . . . . .	700	1891
2.	Anna G. Welch, 22 Fenwick Street . . . . .	700	1897
1.	Leslie Caverly, 210 Washington Avenue, Chelsea . . . . .	700	1908
1.	Isabel J. Tift, 37 Madison Street . . . . .	700	1892
Kind'n.	Mrs. Etta D. Ellsworth, Trinity Court, Boston . . . . .	600	1897
Asst.	Ida M. Kane, 28 Fellsway West . . . . .	425	1905

TABLE 29.—Teachers in Service January, 1912.—Continued.

Grade.	NAME AND RESIDENCE.	Salary.	Began Service.
(CHAKLES) FORSTER SCHOOL.			
Sycamore Street and Evergreen Avenue.			
9.	FRED C. BALDWIN, Master, 106 Sycamore Street . . . . .	\$600	1893
7.	Ernest R. Hager, Acting Master, 11 Sewall Street . . . . .	1,300	1910
7.	Irene S. Nightingale, 12 Court Street, Arlington . . . . .	775	1895
8.	Emma G. Blanchard, 146 Mass. Ave., Boston, Suite 622 . . . . .	725	1902
9.	Emma M. Damon, 63 Walnut Street . . . . .	700	1908
9.	Philena A. Parker, 228 Broadway . . . . .	700	1908
	M. Edna Merrill, 228 Broadway . . . . .	700	1909
6.	Mrs. Mina P. Bickford, 216 Park Street, Medford . . . . .	700	1903
6.	Elizabeth F. Clement, 29 Kidder Avenue . . . . .	700	1884
5.	Mary I. Bradish, 81 Magoun Avenue, Medford . . . . .	700	1899
5.	Elizabeth S. Brown, 11 Dartmouth Street . . . . .	700	1897
4.	Laura R. Cunningham, 62 Highland Avenue . . . . .	700	1904
4.	Annie S. Gage, 32 Marshall Street . . . . .	700	1881
3.	Mrs. Annie J. Ireland, Winchester . . . . .	700	1909
3.	Martha L. Hale, 157 Highland Avenue . . . . .	700	1899
2, 1.	Cora J. Demond, 146 Massachusetts Avenue, Boston . . . . .	700	1900
1.	Grace Shorey, 23 Forster Street . . . . .	700	1892
(NORMAN W.) BINGHAM SCHOOL.			
Lowell Street, near Vernon Street.			
9.	HARRY F. HATHAWAY, Master, 495 Broadway . . . . .	\$1,900	1890
9.	Elizabeth J. O'Neil, 82 Benton Road . . . . .	775	1894
8.	Elizabeth J. Mooney, 168 Summer Street . . . . .	700	1904
8.	Jane Batson, 15 Florence Street, Malden . . . . .	700	1900
7.	Naomi E. Stevens, 149 Hancock Street, Cambridge . . . . .	700	1902
7.	Mary E. Hughes, Billerica . . . . .	700	1911
6.	Lucy K. Hatch, 103 Glenwood Road . . . . .	700	1892
6.	Mary F. Mead, 35 Kidder Avenue . . . . .	700	1905
5.	Harriet F. Ward, 96 Sycamore Street . . . . .	700	1895
5.	Helen L. Galvin, Braintree . . . . .	700	1903
4.	Eva M. Barrows, 469 Broadway . . . . .	700	1903
4, 3.	Bessie J. Baker, Malden . . . . .	700	1905
3.	Harriet M. Bell, 34 Bow Street . . . . .	700	1904
3.	Nellie R. Bray, Medford Hillside . . . . .	700	1897
3, 2.	Clara L. Griffiths, 39 Ames Street . . . . .	700	1902
2, 1.	Priscilla A. Merritt, 96 Oxford Street . . . . .	700	1885
1.	Mabel E. Mansir, 77 Albion Street . . . . .	700	1894
Asst.	Mary L. Ennis, 785 Broadway . . . . .	350	1911
MARTIN W. CARR SCHOOL.			
Beech Street.			
9.	CHARLES G. HAM, Master, Watertown . . . . .	\$1,900	1898
9.	May E. Berry, 14 Billingham Street . . . . .	775	1880
8.	Clara D. Eddy, 71 Central Street . . . . .	725	1902
8.	Mrs. Mary E. Soule, 124 Summer Street . . . . .	700	1901
7.	Harriet A. Hills, 14 Billingham Street . . . . .	700	1874
7.	M. Florence Eustis, 53 Laurel Street . . . . .	700	1906
6.	Marie T. Smith, 15 Day Street . . . . .	700	1898
6.	Susie L. Luce, 21 Francesca Avenue . . . . .	700	1896
6, 5.	Leila L. Rand, 87 Raymond Street, Cambridge . . . . .	700	1908
5.	Mary A. Haley, 117 Summer Street . . . . .	700	1867
5.	Grace T. Merritt, 47 Cherry Street . . . . .	700	1897
4.	Elizabeth S. Forster, 11 Preston Road . . . . .	700	1895
4.	Katherine Pike, 35 Laurel Street . . . . .	700	1906
3.	Lillian M. Wentworth, 248 Highland Avenue . . . . .	700	1911
3.	*Ethel F. Morang, 38 Cambria Street . . . . .	700	1898
3.	Carrie T. Lincoln, 79 Marshall Street . . . . .	700	1893
2.	Annie B. Russell, 45 Russell Street . . . . .	700	1901
1.	Pearl F. Dame, 1 Ellsworth Street . . . . .	600	1906
1.	Lena Munroe, 211-A Summer Street . . . . .	525	1910

\* Leave of absence.

TABLE 29.—Teachers in Service January, 1912.—Continued.

Grade.	NAME AND RESIDENCE.	Salary.	Began Service.
<b>GIRLS' INDUSTRIAL SCHOOL.</b>			
41 Atherton Street.			
	Mary Henleigh Brown, Director, Everett St., Cambridge . . . . .	\$1,600	1911
	Cornelia B. Rodman, 134 Newbury Street, Boston . . . . .	1,000	1911
	Mary Donoghue, 21 St. James Avenue . . . . .	800	1911
	Lucy Dorr, 56 Westland Avenue, Boston . . . . .	700	1911
	Marion P. Crawford, 124 Summer Street . . . . .	750	1911
<b>(ENOCH R.) MORSE SCHOOL.</b>			
Summer and Craigie Streets.			
9.	MINA J. WENDELL, Master, 211-A Summer Street . . . . .	\$1,900	1882
9.	Alice E. Jones, . . . . .	775	1897
9, 7.	Mrs. Harriette C. Hamilton, 219 Summer Street . . . . .	725	1900
8.	Mrs. Clara A. Ball, 12 State Street, Cambridge . . . . .	700	1906
7.	Lennie W. Bartlett, 11 Preston Road . . . . .	700	1893
6.	Blanche E. Thompson, 108 School Street . . . . .	700	1906
5.	Lizzie E. Hill, 40 Magnolia Street, Dorchester . . . . .	700	1890
4.	Elva A. Cutler, 12 Billingham Street . . . . .	600	1911
4, 3.	Flora B. Temple, 11 Laurel Street . . . . .	600	1911
3.	Mrs. Agnes C. Rice, 20 Spring Hill Terrace . . . . .	700	1900
2.	*Grace S. Russell, 1097 Broadway . . . . .	700	1900
2.	Frances E. Welch, 303 Highland Avenue . . . . .	525	1911
1.	Emma M. McKinley, 65 Grove Street . . . . .	600	1907
<b>GEORGE O. PROCTOR SCHOOL.</b>			
Hudson Street.			
6.	NORA F. BYARD, Principal, 27 College Avenue . . . . .	\$900	1884
6.	Alice G. Hosmer, 42 Boston Street . . . . .	700	1906
5.	Abbie A. Gurney, 4 Ossipee Road . . . . .	700	1888
4.	Ella P. McLeod, corner Forrest and Beacon Streets . . . . .	700	1888
3.	Edith L. Hunnewell, 23 Milton Street . . . . .	700	1894
2.	Mary S. Richardson, 13 Bartlett Street . . . . .	700	1906
1.	L. Margaret Potter, 56 Norfolk Street, Cambridge . . . . .	700	1905
<b>GEORGE W. DURELL SCHOOL.</b>			
Beacon and Kent Streets.			
4.	ABIGAIL P. HAZELTON, Principal, 23 Greene Street . . . . .	\$775	1902
3.	*Bessie I. Sutton, 99 Gainsboro Street, Boston . . . . .	700	1907
3.	Helen C. Berthrong, 99 Orchard Street . . . . .	600	1911
2.	Cora F. Woodward, 49 Linden Avenue . . . . .	650	1908
1.	Mary Winslow, 23 Hall Street . . . . .	700	1887
<b>MARK F. BURNS SCHOOL.</b>			
Cherry Street, near Highland Avenue.			
7.	LAURA J. BROOKS, Principal, 31 Stevens Street, Stoneham . . . . .	\$900	1883
6.	Cara M. Johnson, 38-A Orchard Street, Cambridge . . . . .	700	1897
5.	Eva E. Perkins, 54 Benton Road . . . . .	600	1911
4.	Margaret D. Hellyar, Oak Street, Greenwood . . . . .	650	1909
3.	Annie L. Brown, 281 Summer Street . . . . .	700	1885
3, 2.	Mary E. Lacy, 63 Cherry Street . . . . .	700	1890
2.	Ardelle Abbott, 71 Craigie Street . . . . .	700	1896
1.	Alice E. Morang, 38 Cambria Street . . . . .	700	1893

\* Leave of absence.



TABLE 29.—Teachers in Service January, 1912.—Continued.

Grade.	NAME AND RESIDENCE.	Salary.	Began Service.
<b>BENJAMIN G. BROWN SCHOOL.</b>			
Willow Avenue and Josephine Avenue.			
9.	GEORGE I. BOWDEN, Master, 92 Monument St., West Medford	\$1,800	1908
9.	Annie G. Smith, 59 Maple Street, Malden	775	1901
8.	Mrs. Phebe E. Mathews, 159 Morrison Avenue	700	1897
7.	*Edith G. Watts, Arlington Heights	700	1904
7.	Harriet M. Loomis, Everett	700	1911
6.	Alice R. Gould, 12 Fosket Street	600	1911
5.	*Grace J. Alexander, 70 Highland Avenue	700	1900
5.	Frances D. Way, Roxbury	600	1911
4.	Mary T. Ford, 10 Powder House Terrace	700	1911
4, 3.	Ida M. Record, 17 Gibbens Street	700	1899
3, 2.	Anna B. Lattin, 5 Irving Street	600	1910
2.	Mrs. Grace H. Bliss, 78 Ossipee Road	700	1900
1.	Rena H. Wiley, 148 Boston Avenue	700	1906
<b>HIGHLAND SCHOOL.</b>			
Highland Avenue and Grove Street.			
9.	FRANK W. SEABURY, Master, 18 Winslow Avenue	\$1,700	1911
9.	Grace M. Clark, 10 Vernon Street, West Medford	775	1893
9.	Marguerite Burns, 2 Park Avenue	725	1907
8.	Mary L. Bryant, 24 Hall Avenue	700	1903
8.	Mrs. Nellie G. Stewart, 223 Morrison Avenue	700	1908
8.	Sarah E. Pray, 126 Orchard Street	700	1877
7.	Elsie M. Ross, 14 Irving Street	700	1908
7.	Mrs. Grace T. Lonergan, 86 Morrison Avenue	600	1911
6.	Lillian F. Richardson, 33 Wallace Street	700	1904
6.	Marie Clifford, 10 Mellen Street, Cambridge	700	1907
5.	Marion Allen, Danvers	650	1911
5.	Mary H. Joyce, 76 Boston Street	700	1891
4.	Eva A. Wilson, 51 Avon Street	600	1911
<b>WILLIAM H. HODGKINS SCHOOL.</b>			
Holland Street.			
9.	ARTHUR L. DOE, Master, 104 Powder House Boulevard	\$1,900	1896
9.	Edith W. Emerson, 135 Central Street	775	1896
9.	N. Irene Ellis, 15 Kidder Avenue	725	1903
8.	Alice S. Hall, 135 Central Street	700	1896
8.	Ethel M. Paige, Melrose Highlands	700	1909
7.	Lilla E. Mann, 96 Wallace Street	700	1902
7.	Mrs. Gertrude W. Leighton, 26 Gibbens Street	700	1895
6.	Luanna B. DeCatur, 14 Irving Street	700	1909
6.	Beatrice A. Randall, 14 Oxford Street, Cambridge	700	1905
6.	Isabel M. Brunton, 19 Hanson Street	525	1910
5.	Flora A. Burgess, Arlington Heights	700	1894
5.	Catherine A. Burden, 406 Highland Avenue	700	1902
4.	Genieve R. Barrows, Waban	700	1905
4.	Katherine M. Fox, Stoneham	700	1896
2.	Jennie M. Patterson, Mattapan	700	1903
1.	Elizabeth L. Hersey, 4 Concord Sq., Boston	700	1896
Asst.	Elinor Neilon, 14 Cambria Street	350	1911
<b>(CHARLES S.) LINCOLN SCHOOL.</b>			
Broadway, near Teele Square.			
3.	ELIZA H. LUNT, Principal, 50 Curtis Street	\$775	1889
3.	Olivia M. Woods, 116 Powder House Boulevard	600	1908
2.	Almena J. Mansir, 77 Albion Street	700	1899
1.	Annie H. Hall, 97 College Avenue	700	1906
1.	Louise K. Simm, Waverley	500	1909

\*Leave of absence.



TABLE 29.—Teachers in Service January, 1912.—Concluded.

Grade.	NAME AND RESIDENCE.	Salary.	Began Service.
MARTHA PERRY LOWE SCHOOL.			
Morrison Avenue, near Grove Street.			
4.	MAY E. SMALL, Principal, 12 Day Street, Cambridge . . . . .	\$900	1900
3.	Alice M. Dorman, 159 Morrison Avenue . . . . .	700	1903
3.	Maude C. Valentine, 1098 Broadway . . . . .	700	1901
3.	Stella M. Holland, 46 Chester Street . . . . .	700	1903
2.	Mrs. Jane M. Taaffe, 159 Morrison Avenue . . . . .	700	1888
2.	Katherine E. Hourahan, 396 Highland Avenue . . . . .	700	1892
2, 1.	Clara G. Hegan, 100 School Street . . . . .	700	1897
1.	Martha A. Jencks, 96 Orchard Street . . . . .	700	1898
EVENING SCHOOL PRINCIPALS.			
	WILLIAM D. SPRAGUE, High . . . . .	\$6.00	
	JOHN S. EMERSON, Bell . . . . .	4.00	
	CHARLES E. BRAINARD, Highland . . . . .	3.00	
CADET TEACHERS.			
	Elizabeth M. Delay, 32 Line Street . . . . .	\$200	1911
	Gladys A. Kingsley, 240 Highland Avenue . . . . .	200	1911
SPECIAL TEACHERS.			
MUSIC.			
13-7.	S. Henry Hadley, 46 Pearl Street . . . . .	\$1,700	1868
6-1.	Charlotte D. Lawton, 11 East Newton Street, Boston . . . . .	1,000	1898
DRAWING.			
9-1.	Clara M. Gale, 7 Westwood Road . . . . .	900	1911
SEWING.			
8-5.	Mary L. Boyd, 74 Heath Street . . . . .	700	1888
8-5.	Emma J. Ellis, 54 Marshall Street . . . . .	700	1900
8-5.	Bertha P. Paul, 23 Monmouth Street . . . . .	700	1900
PENMANSHIP.			
9-1.	William A. Whitehouse, 182 Highland Avenue . . . . .	1,500	1895
MANUAL TRAINING.			
9, 8.	Harry L. Jones, 137 Powder House Boulevard . . . . .	300	1911
9, 8.	Andrew Bjurman, 15 Fairview Terrace, Maplewood . . . . .	1,400	1907
9, 8.	Willis E. Higgins, Waltham . . . . .	1,400	1907
ATYPICAL.			
	Mary A. Holt, 72 Boston Street . . . . .	775	1910
ASSISTANT IN PROCTOR AND LOWE.			
	Annie Sanburn, 20 Ashburton Place, Boston . . . . .	700	1906
ASSISTANT IN BURNS.			
	Mary C. Buck, 12 Powder House Terrace . . . . .	350	1899

TABLE 30.—OFFICERS, ETC., IN SERVICE JANUARY, 1912.

NAME AND ADDRESS.	Salary.
Charles S. Clark, 82 Munroe Street . . . . .	\$3,500
CLERKS.	
Justin W. Lovett, 13 Hudson Street . . . . .	1,300
Mary A. Clark, 42 Highland Avenue . . . . .	750
Mildred A. Merrill, 26 Cambria Street . . . . .	600
TRUANT OFFICERS.	
Benjamin R. Jones, 25 Loring Street . . . . .	1,300
*Jairus Mann, 80 Porter Street . . . . .	50

\*Died February 4, 1912.

TABLE 31.—SCHOOL JANITORS, JANUARY, 1912.

School.	Name.	Residence.	Salary.
High School, S . . . . .	John H. Kelley	7 Madison St.	\$25.00
High School, assistant . . . . .	Joseph Young	47 Oxford St.	19.50
High School, assistant . . . . .	William H. Kelley	10 Lee St.	16.00
High School, assistant . . . . .	Lewis G. Keen	56 Prescott St.	20.00
High School, fireman . . . . .	Edwin Adler	22 Robinson St.	16.00
Prescott, S, 12 . . . . .	George A. McGunnigle	50 Pearl St.	17.00
Hanscom, S, 10 . . . . .	John J. Kilty	662 Somerville Ave.	15.00
Davis, F, 4 . . . . .	George H. Clapp	35-A Franklin St.	12.00
Bennett, S, 12 . . . . .	Daniel T. Campbell	85 Lexington Ave.	17.00
Baxter, S, 6 . . . . .	Israel Winterbottom	2 Bolton St.	12.00
Knapp, S, 12 . . . . .	John Lane	5-A Belmont St.	16.00
Perry, S, 6 . . . . .	Henry C. Bradford	72 Boston St.	12.00
Pope, S, 12 . . . . .	Hiram A. Turner	16 Gibbens St.	17.00
Bell, S, 12 . . . . .	William Meskill	53 Partridge Ave.	17.00
Cummings, F, 4 . . . . .	George W. Libby	215 Pearl St.	12.00
Edgerly, S, 12 . . . . .	Charles P. Horton	22 Everett Ave.	16.00
Glines, S, 14 . . . . .	Roy C. Burckes	249 School St.	18.25
Forster, S, 18 . . . . .	George W. Coombs	34 Tufts St.	18.00
Forster, assistant . . . . .			
Bingham, S, 16 . . . . .	John F. O'Brien	347 Lowell St.	21.00
Carr, S, 16 . . . . .	James W. Rich	206 Highland Ave.	23.00
Morse, F, 12 . . . . .	John W. Cremen	69 Oxford St.	17.00
Proctor, S, 8 . . . . .	George O. Marshall	19 Wesley St.	13.50
Durell, S, 4 . . . . .	Ellsworth C. Lundgren	50 Harrison St.	12.00
Burns, S, 8 . . . . .	Charles Gallaway	160 Hudson St.	13.50
Brown, S, 10 . . . . .	O. M. Pote	23 Howe St.	15.00
Highland, S, 12 . . . . .	E. Parker Cook	398 Highland Ave.	16.00
Hodgkins, S, 14 . . . . .	John Shea	49 Paulina St.	17.00
Lincoln, S, 4 . . . . .	Thomas C. Dame	1 Ellsworth St.	12.00
Lowe, S, 8 . . . . .	John F. Richardson	190 Morrison Ave.	13.50

Buildings heated by steam are marked "S," by furnace "F." The numbers show the number of rooms.

The high school is heated by a single plant in the East building.



TABLE B.—Distribution of Pupils, 14 but Not 15, October 1, 1911.

	NUMBER OF GRADES													Total
	1	2	3	4	5	6	7	8	9	10	11	12	13	
High.....	..	..	..	..	..	..	..	..	..	264	61	10	..	335
Prescott.....	..	..	..	..	2	4	8	14	18	..	..	..	..	46
Hanscom.....	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Bennett.....	..	..	2	1	..	1	..	..	..	..	..	..	..	4
Baxter.....	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Knapp.....	..	..	..	..	..	1	8	12	19	..	..	..	..	40
Perry.....	..	..	..	..	1	1	..	..	..	..	..	..	..	2
Pope.....	..	..	..	..	..	5	9	16	23	..	..	..	..	53
Bell.....	..	..	..	..	..	2	6	1	14	..	..	..	..	23
Cummings.....	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Edgerly.....	..	..	..	..	..	3	12	25	22	..	..	..	..	62
Glines.....	..	..	..	..	1	..	5	13	12	..	..	..	..	31
Forster.....	..	..	..	..	..	1	7	8	25	..	..	..	..	41
Bingham.....	..	..	..	..	1	6	12	18	21	..	..	..	..	58
Carr.....	..	..	..	1	2	6	9	12	11	..	..	..	..	41
Morse.....	..	..	..	1	1	1	3	13	22	..	..	..	..	41
Proctor.....	..	..	..	..	..	2	..	..	..	..	..	..	..	2
Durell.....	..	..	..	1	..	..	..	..	..	..	..	..	..	1
Burns.....	..	..	..	..	..	1	1	..	..	..	..	..	..	2
Brown.....	..	..	..	..	..	..	2	9	11	..	..	..	..	22
Highland.....	..	..	..	1	..	5	7	22	31	..	..	..	..	66
Hodgkins.....	1	..	..	..	1	1	8	20	23	..	..	..	..	54
Lincoln.....	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Lowe.....	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total by grades.....	1	..	2	5	9	40	97	183	252	264	61	10	0	924
P.C. by ".....	.001	..	.002	.005	.01	.043	.105	.198	.273	.285	.066	.011	0	.999



**TABLE C. — LIST OF AUTHORIZED TEXT-BOOKS IN THE HIGH SCHOOL.****English.**

Addison and Milton, Macaulay.....	Sibley & Ducker
American Literature, Painter.....	Sibley & Ducker
Composition and Rhetoric, Scott and Denney.....	Allyn & Bacon
Elements of Rhetoric, Carpenter.....	Allyn & Bacon
English Composition, Hanson.....	Ginn & Co.
English Composition and Literature, Webster,	Houghton Mifflin Company
Enlarged Practice Book in English Composition, Hitchcock,	Henry Holt & Co.
Foundations of Rhetoric, Hill.....	Harper & Brothers
Lessons in English, Lockwood.....	Ginn & Co.
Studies in English Composition, Keeler and Davis.....	Allyn & Bacon
Outlines of Rhetoric, Genung.....	Ginn & Co.
Addison, Macaulay.....	Allyn & Bacon
Alhambra, Irving.....	American Book Company
Ancient Mariner, Coleridge.....	Houghton Mifflin Company
American Poems, Scudder.....	Houghton Mifflin Company
American Prose, Scudder.....	Houghton Mifflin Company
As You Like It, Shakespeare.....	Sibley & Ducker
Browning, Selections from.....	Ginn & Co.
Bunker Hill Orations, Webster.....	Sibley & Ducker
Burke on Conciliation.....	Ginn & Co.
Burns, Representative Poems of, with Carlyle's Essay, Burns,	Ginn & Co.
Byron, Selections from.....	Ginn & Co.
Christmas Carol, Dickens.....	Houghton Mifflin Company
Cranford, Gaskell.....	Ginn & Co.
David Copperfield, Dickens.....	Ginn & Co.
Deserted Village, Goldsmith.....	Houghton Mifflin Company
Eighteenth Century Poetry.....	University Publishing Company
English Literature, Brooke.....	Macmillan Company
English Humorists, Thackeray.....	Henry Holt & Co.
Essays of Elia, Lamb.....	Ginn & Co.
Essays, Selected, Emerson.....	Allyn & Bacon
Essay on Burns, Carlyle.....	Ginn & Co.
Essays on Lord Clive and Warren Hastings, Macaulay....	Ginn & Co.
Essays on Milton, Macaulay.....	Sibley & Ducker
Essays on Culture, etc., Emerson.....	Houghton Mifflin Company
Essays on the Choice of Books, Carlyle....	Houghton Mifflin Company
Evangeline, Longfellow.....	Houghton Mifflin Company
Franklin's Autobiography, Franklin.....	Macmillan Company
Golden Treasury, Palgrave.....	Macmillan Company
Goldsmith, Life of, Irving.....	Houghton Mifflin Company
Hamlet, Shakespeare.....	Ginn & Co.
History of Literature, Simonds.....	Houghton Mifflin Company
Homer's Illiad, Pope.....	American Book Company
House of Seven Gables, Hawthorne.....	Houghton Mifflin Company
Henry Esmond, Thackeray.....	Ginn & Co.
Henry V., Shakespeare.....	Ginn & Co.
Idylls of the King, Tennyson.....	Ginn & Co.
In Memoriam, Tennyson.....	Houghton Mifflin Company
Introduction to American Literature, Painter.....	Sibley & Ducker
Ivanhoe, Scott.....	Ginn & Co.

Joan of Arc, De Quincey.....	Ginn & Co.
Inland Voyage, Stevenson.....	Ginn & Co.
Johnson, Life of, Macaulay.....	Sanborn & Co.
Julius Caesar, Shakespeare.....	American Book Company
L'Allegro, Milton.....	Ginn & Co.
Lays of Ancient Rome, Macaulay.....	D. C. Heath & Co.
Lady of the Lake, Scott.....	D. C. Heath & Co.
Last of the Mohicans, Cooper.....	Houghton Mifflin Company
Lorna Doone, Blackmore.....	Ginn & Co.
Lyrics, Milton.....	Houghton Mifflin Company
Macbeth, Shakespeare.....	Ginn & Co.
Merchant of Venice, Shakespeare.....	Ginn & Co.
Midsummer Night's Dream, Shakespeare.....	Ginn & Co.
Palamon and Arcite, Dryden.....	Ginn & Co.
Paradise Lost, Milton.....	Ginn & Co.
Pilgrim's Progress, Bunyan.....	Ginn & Co.
Princess, The, Tennyson.....	Sibley & Ducker
Questions on English Literature, Mason.....	Macmillan Company
Quentin Durward, Scott.....	American Book Company
Second Essay on the Earl of Chatham, Macaulay.....	Ginn & Co.
Sesame and Lilies, Ruskin.....	Ginn & Co.
Sketch Book, Irving.....	American Book Company
Silas Marner, Eliot.....	Sibley & Ducker
Sir Roger De Coverley Papers, Addison and Steele,	Macmillan Company
Sohrab and Rustum, Arnold.....	Ginn & Co.
Tales of a Traveler, Irving.....	American Book Company
Tale of Two Cities, Dickens.....	Ginn & Co.
Twelfth Night, Shakespeare.....	American Book Company
Twice Told Tales, Hawthorne.....	Houghton Mifflin Company
Treasure Island, Stevenson.....	Ginn & Co.
Travels with a Donkey, Stevenson.....	Ginn & Co.
Vicar of Wakefield, Goldsmith.....	American Book Company
Vision of Sir Launfal, Lowell.....	Sibley & Ducker
Washington's Farewell Address.....	Sibley & Ducker
Woodstock, Scott.....	American Book Company

### History and Civics.

Ancient History, Botsford.....	Macmillan Company
Ancient History for Beginners, Botsford.....	Macmillan Company
Ancient History, Myers.....	American Book Company
Ancient History, West.....	Allyn & Bacon
Civil Government in the United States, Fiske,	Houghton Mifflin Company
Eastern Nations and Greece, Myers.....	American Book Company
English History, Coman and Kendall.....	Macmillan Company
English History, Montgomery.....	Ginn & Co.
Essentials of Ancient History, Wolfson.....	American Book Company
General History, Myers.....	American Book Company
History of England, Andrews.....	Allyn & Bacon
Short History of Roman People, Allen.....	Ginn & Co.
History of Rome, Myers.....	American Book Company
History of Rome, Botsford.....	Macmillan Company
History of Rome, Morey.....	American Book Company
History of Greece, Botsford.....	Macmillan Company
History of Greece, Myers.....	American Book Company
History of Greece, Morey.....	American Book Company
Mediaeval and Modern History, Myers.....	American Book Company
Outlines of Mediaeval and Modern European History,	D. C. Heath & Co.

Rome, Its Rise and Fall, Myers.....American Book Company  
 Student's American History, Montgomery.....Ginn & Co.  
 Student's History of United States, Channing.....Macmillan Company  
 Government of the United States, Guitteau.Houghton Mifflin Company

### Mathematics.

Academic Algebra, Wells.....D. C. Heath & Co.  
 College Algebra, Wells.....D. C. Heath & Co.  
 College Algebra, Wentworth.....Ginn & Co.  
 Complete Trigonometry, Wells.....D. C. Heath & Co.  
 Elements of Algebra, Wentworth.....Ginn & Co.  
 Elementary Algebra, Wentworth.....Ginn & Co.  
 Essentials of Algebra, Wells.....D. C. Heath & Co.  
 Essentials of Solid Geometry, Wells.....D. C. Heath & Co.  
 Essentials of Plane Geometry, Wells.....D. C. Heath & Co.  
 Exercise Book in Algebra, McCurdy.....D. C. Heath & Co.  
 Higher Algebra, Wells.....D. C. Heath & Co.  
 New School Algebra, Wentworth.....Ginn & Co.  
 New Four-Place Logarithm Tables, Wells.....D. C. Heath & Co.  
 New Plane and Spherical Trigonometry, Wells.....D. C. Heath & Co.  
 Plane Geometry, Avery.....B. H. Sanborn & Co.  
 Plane Geometry, Schultz and Sevenoak.....Macmillan Company  
 Plane and Solid Geometry, Schultz and Sevenoak..Macmillan Company  
 Plane Geometry, Wells.....D. C. Heath & Co.  
 Solid Geometry, Wentworth.....Ginn & Co.

### Commercial.

Accounting and Business Practice, Moore and Miner.....Ginn & Co.  
 Twentieth Century Practical Business Dictation, Part I., Pitman,  
     Isaac Pitman & Sons  
 Business Arithmetic, Moore and Miner.....Ginn & Co.  
 Commercial Law, Williams and Rogers.....American Book Company  
 A Practical Course in Touch Typewriting, Smith..Isaac Pitman & Sons  
 Geography of Commerce, Trotter.....Macmillan Company  
 New Illustrated Banking, Williams and Rogers,  
     American Book Company  
 Modern Illustrative Bookkeeping, Williams and Rogers,  
     American Book Company  
 Practical Shorthand, Chandler.....Chandler  
 Elements of Business Law, Huffcutt.....Ginn & Co.

### Elocution.

Evolution of Expression, Vol. I.  
 Evolution of Expression, Vol. II.  
 Evolution of Expression, Vol. III.  
 Evolution of Expression, Vol. IV.

### Science.

Animal Studies, Jordan, Kellogg, and Heath.....D. Appleton & Co.  
 Astronomy, Todd.....American Book Company  
 Compend of Geology, Le Conte.....American Book Company  
 Descriptive Chemistry, Newell.....D. C. Heath & Co.  
 High School Physics, Carhart and Chute.....Allyn & Bacon  
 Elements of Natural Philosophy, Avery.....B. H. Sanborn & Co.  
 Elements of Astronomy, Young.....Ginn & Co.  
 Experimental Chemistry, Newell.....D. C. Heath & Co.  
 First Book in Geology, Shaler.....D. C. Heath & Co.  
 Foundations of Botany, Bergen.....Ginn & Co.



Practical Zoölogy, Colton.....	D. C. Heath & Co.
Progressive Problems in Physics, Miller.....	D. C. Heath & Co.
Physical Geography, Tarr.....	Macmillan Company
Physics, Hall and Bergen.....	Henry Holt & Co.
School Physics, Avery.....	Sheldon & Co.
Text-Book of Physics, Wentworth and Hill.....	Ginn & Co

### German.

Anno 1870, Silenkron.....	D. C. Heath & Co.
Auf der Sonnenseit, Seidel.....	D. C. Heath & Co.
Aus dem Staat Friedrich's des Grossen, Freytag (Hager), D. C. Heath & Co	
Ballads, Schiller, Ed. Henry Johnson.....	D. C. Heath & Co.
Das Lied von der Glocke, Goethe, Ed. Otis.....	Henry Holt & Co.
Der Prozess, Benedix.....	Henry Holt & Co.
Der Neffe als Onkel, Schiller (Raddatz).....	Allyn & Bacon
Der Fluch der Schönheit, Riehl, Ed. Thomas.....	D. C. Heath & Co.
Der Zerbrochene Krug, Schokke.....	D. C. Heath & Co.
Die Journalisten, Freytag (Gregor).....	Ginn & Co.
Der Schwiegersohn, Baumbach.....	D. C. Heath & Co.
Die Schonsten Deutschen Lieder, Wenckebach.....	Henry Holt & Co.
Dichtung und Wahrheit, Goethe (Bushheim).....	D. C. Heath & Co.
Eingeschneit, Frommel.....	D. C. Heath & Co.
German Reader, Brandt.....	Allyn & Bacon
German Grammar, Joynes-Meissner.....	D. C. Heath & Co.
German Grammar, Wesselhoeft.....	D. C. Heath & Co.
German Grammar, Otto.....	Henry Holt & Co.
Essentials of German, Vos.....	Henry Holt & Co.
German Composition (New), Pope.....	Henry Holt & Co.
German Composition, Harris.....	D. C. Heath & Co.
German Dictionary, Heath.....	D. C. Heath & Co.
German and French Poems, Selected.....	Henry Holt & Co.
Germelshausen, Friedrich Gerstächer, Ed. Carl Osthaus, D. C. Heath & Co.	
Geissbub von Engelberg, Lohnmeyer.....	D. C. Heath & Co.
Glück Auf, Müller and Wenckebach.....	Ginn & Co.
Heine's Harzreise, Heine (Vos).....	D. C. Heath & Co.
Hermann und Dorothea, Goethe, Ed. W. F. Hewett.....	D. C. Heath & Co.
Hermann und Dorothea, Goethe, Ed. Allen.....	Ginn & Co.
Historische Erzählungen, Hoffman.....	D. C. Heath & Co.
Höher als die Kirche, Hilheim, Ed. S. W. Clarry....	D. C. Heath & Co.
Immensee, Storm, Ed. Bernhardt.....	D. C. Heath & Co.
Im Vaterland, Bacon.....	Allyn & Bacon
Kinder und Hausmärchen, Grimm.....	Gutersloh
L'Arrabiata, Paul Heyse, Ed. William Bernhardt...	D. C. Heath & Co.
Leberecht Hühnchen, Seidel.....	D. C. Heath & Co.
Märchen und Erzählungen, H. A. Guerber.....	D. C. Heath & Co.
Minna von Barnhelm, Lessing, Ed. Primer.....	D. C. Heath & Co.
Robinson, der Jüngere, Campe.....	D. C. Heath & Co.
Scientific German Reader, G. F. Dippold.....	Ginn & Co.
German Selections for Sight Translation, Georgina F. Monde, D. C. Heath & Co.	
Syllabus, Bierwirth.....	Henry Holt & Co.
Wilhelm Tell, Schiller (Carruth).....	Macmillan Company
Wilhelm Tell, Schiller (Deering).....	D. C. Heath & Co.

### French.

Complete French, Chardenal.....	Allyn & Bacon
Elements of French, Aldrich and Foster.....	Ginn & Co.



- Exercises in French Syntax and Composition, Bouvet,  
D. C. Heath & Co.
- French Composition, Grandgent.....D. C. Heath & Co.
- French Dictionary, Heath.....D. C. Heath & Co.
- French Reader, Super.....D. C. Heath & Co.
- French Grammar, Frasier and Squair.....D. C. Heath & Co.
- First Scientific Reader, Bowen.....D. C. Heath & Co.
- Introductory French Prose Composition, Francois,  
American Book Company
- Selections for Sight Translation, Bruce.....D. C. Heath & Co.
- Simple French, Francois and Gibraud.....Henry Holt & Co.
- Athalie, Racine.....D. C. Heath & Co.
- Contes et Nouvelles, Lazarre.....D. C. Heath & Co.
- Contes et Legendes, Guerber.....American Book Company
- Colomba, Merimée.....D. C. Heath & Co.
- Contemporary French Authors, Mellé.....Ginn & Co.
- Dix Contes Modernes.....Ginn & Co.
- Fleurs de France, Fontaine.....D. C. Heath & Co.
- Guy de Maupassant, Selections from.....Ginn & Co.
- Histoire de la Litterature Francaise, Duval.....D. C. Heath & Co.
- L'Abbé Constantin, Halévy.....D. C. Heath & Co.
- L'Avare, Moliere.....Henry Holt & Co.
- L'Abbé Daniel, Theuriet.....Henry Holt & Co.
- L'Enfant de la Lune, Mairet.....American Book Company
- L'Evasion de Duc de Beaufort, Dumas.....D. C. Heath & Co.
- La Bataille des Dames, Scribe et Legouvé.....D. C. Heath & Co.
- La Belle Nivernaise, Daudet.....D. C. Heath & Co.
- La Chute, Hugo.....D. C. Heath & Co.
- La Cigale Chez les Fourmis, Legouve and Labiche..D. C. Heath & Co.
- La Mare au Diable, Sand.....D. C. Heath & Co.
- La Mère de la Marquise, About.....Jenkins Company
- La Mère Michel et Son Chat, Bedollière.....Ginn & Co.
- La Petite Fadette, Sand.....D. C. Heath & Co.
- La Poudre aux Yeux, Labiche et Martin.....Henry Holt & Co.
- La Tâche du Petite Pierre, Moiret.....American Book Company
- La Tulipe Noire, Dumas.....D. C. Heath & Co.
- Le Bourgeois Gentilhomme, Molière.....Hachette
- Le Cid, Corneille.....D. C. Heath & Co.
- Le Malade Imaginaire, Molière.....Ginn & Co.
- Le Main Malheureux, Anonymous.....D. C. Heath & Co.
- Le Petit Chose, Daudet.....D. C. Heath & Co.
- Le Petit Tailleur Bouton.....
- Le Roi des Montagnes, About.....D. C. Heath & Co.
- Le Siège de Berlin et Autres Contes, Daudet.....Jenkins Company
- Le Siège de Paris, Sarcey.....D. C. Heath & Co.
- Le Tour du Monde en Quatre-Vingts Jours, Verne..D. C. Heath & Co.
- Le Violon de Faïence, Champfleury.....D. C. Heath & Co.
- Le Voyage de M. Perrichon, Labiche et Martin....D. C. Heath & Co.
- Les Contes de Fées, Joynes.....D. C. Heath & Co.
- Les Miserables, Hugo.....Ginn & Co.
- Les Precieuses Ridicules, Molière.....D. C. Heath & Co.
- Les Premieres Lectures, Lazare.....Ginn & Co.
- Les Trois Mousquetaires, Dumas.....Ginn & Co.
- Madame Thérèse, Erckmann-Chatrion.....Ginn & Co.
- Madame de Sévigné, Selected Letters of, Syms,  
American Book Company
- Mademoiselle de la Seiglière, Sandeau.....Henry Holt & Co.
- Monte Cristo, Dumas.....D. C. Heath & Co.
- Michel Strogoff, Verne.....Henry Holt & Co.
- Modern French Lyrics, Bowen.....D. C. Heath & Co.

Napoléon, Fortier.....	Ginn & Co.
Peppino, Ventura.....	Jenkins Company
Quatre-Vingt Treize, Hugo.....	Ginn & Co.
Readings from French History, Super.....	Allyn & Bacon
Sans Famille, Malot.....	D. C. Heath & Co.
Simplicité, Tuckerman.....	American Book Company

### Latin.

Caesar's Gaelic Wars, Harkness and Forbes..	American Book Company
Caesar's Gaelic Wars, Allen and Greenough.....	Ginn & Co.
Caesar's Gaelic Wars, Kelsey.....	Allyn & Bacon
Cicero's Orations, Kelsey.....	Allyn & Bacon
Cicero's Orations, Allen and Greenough.....	Ginn & Co.
Cornelius Nepos, Lindsay.....	American Book Company
First Book in Latin, Tuell and Fowler.....	Sanborn & Co.
First Latin Book, Collar and Daniell.....	Ginn & Co.
Gate to Caesar, Collar.....	Ginn & Co.
Gate to Vergil, Gleason.....	Ginn & Co.
Latin Composition, Bennett.....	Allyn & Bacon
Latin Composition, Daniell.....	Sanborn & Co.
Latin Grammar, Allen and Greenough.....	Ginn & Co.
Latin Grammar, Bennett.....	Allyn & Bacon
Latin Grammar, Harkness.....	American Book Company
Metamorphoses (Ovid), Gleason.....	American Book Company
Metamorphoses (Ovid), Peck.....	Ginn & Co.
Practical Latin Composition, Collar.....	Ginn & Co.
Sight Reading, Tomlinson.....	Ginn & Co.
Vergil, Comstock.....	Allyn & Bacon
Vergil, Greenough and Kittredge.....	Ginn & Co.

### Greek.

Anabasis (Xenophon's), Goodwin and White.....	Ginn & Co.
First Greek Book, White.....	Ginn & Co.
Greek Grammar, Goodwin.....	Ginn & Co.
Greek Reader, Goodwin.....	Ginn & Co.
Greek Composition, Woodruff.....	Sibley & Co.
Hellenica Xenophon, Manatt.....	Ginn & Co.
Iliad, Seymour, Books I-III, I-VI.....	Ginn & Co.
Iliad, Benner, Selections.....	D. Appleton & Co.
Lexicon, Siddell and Scott.....	American Book Company

### Spanish.

A Spanish Grammar, Hills and Ford.....	D. C. Heath & Co.
A Spanish Reader, Bransby.....	D. C. Heath & Co.

### Miscellaneous.

Bible	
Classical Atlas	
Collegiate Dictionary	
Euterpean, Tufts.....	Silver, Burdett & Co.
Glee and Chorus Book	
International Dictionary, Webster	
Laurel Song Book, Tomlins.....	C. C. Birchard & Co.
Mechanical Drawing, Tracy.....	Harper & Brothers
Standard Dictionary	
Worcester's Dictionary (small), Worcester	
Webster's Dictionary (small), Webster	

**AUTHORIZED BOOKS FOR GRAMMAR AND PRIMARY SCHOOLS****Arithmetics.**

First Lessons in Numbers.....Benjamin H. Sanborn & Co.  
 Walton and Holmes's, Book I.....American Book Company  
 Walton and Holmes's, Book II.....American Book Company  
 Walton and Holmes's, Book III.....American Book Company  
 Walton and Holmes's, Book IV.....American Book Company

**Commercial.**

Single Entry Bookkeeping, Meservey.....Thompson, Brown & Co.

**Dictionaries.**

Clarendon Dictionary.....American Book Company  
 International Dictionary, Webster.....G. & C. Merriam Company  
 Standard Dictionary  
 Student's Dictionary  
 Webster's High School Dictionary.....G. & C. Merriam Company  
 Webster's Common School Dictionary  
 Webster's Collegiate Dictionary  
 Worcester's Dictionary

**Geographies.**

Elementary Physical Geography, Tarr.....Macmillan Company  
 First Steps in Geography, Frye.....Ginn & Co.  
 Grammar School Geography, Part I., Frye.....Ginn & Co.  
 Grammar School Geography, Part II., Frye.....Ginn & Co.  
 Grammar School Geography, Complete, Frye.....Ginn & Co.  
 Grammar School Geography, Tilden.....B. H. Sanborn & Co.  
 Home Geography, Long.....American Book Company  
 Natural School Geography, Part I.....American Book Company  
 Natural School Geography, Part II.....American Book Company  
 Physical Geography, Maury.....University Publishing Company  
 First Book in Geography, Part I., Tarr and McMurry,  
 Macmillan Company  
 First Book in Geography, Part II., Tarr and McMurry,  
 Macmillan Company

**Histories.**

American History, Sheldon-Barnes.....D. C. Heath & Co.  
 Beginners' History, Montgomery.....Ginn & Co.  
 First Book in American History, Eggleston..American Book Company  
 History of the United States, Eggleston.....American Book Company  
 History of the United States, Fiske.....Houghton Mifflin Company  
 History of the United States, Thomas.....D. C. Heath & Co.  
 Leading Facts of United States History, Montgomery.....Ginn & Co.  
 Our Country's Story, Tappan.....Houghton Mifflin Company  
 School History of the United States, McMaster,  
 American Book Company

**Language.**

Elements of Composition and Grammar, Southworth and Goddard,  
 B. H. Sanborn & Co.  
 First Lessons in Language, Southworth and Goddard,  
 B. H. Sanborn & Co.

**Music.**

Laurel Music Reader, Tomlins.....C. C. Birchard & Co.  
 Normal First Music Reader, Tufts and Holt.....Silver, Burdett & Co.  
 Normal Second Music Reader, Part I., Tufts and Holt,  
 Silver, Burdett & Co.



Normal Second Music Reader, Part II., Tufts and Holt,	Silver, Burdett & Co.
Normal Second Music Reader, Parts I. and II., Tufts and Holt,	Silver, Burdett & Co.
Silver Song Series	
The Cecilian, Book I., Tufts.....	Silver, Burdett & Co.
The Cecilian, Book II., Tufts.....	Silver, Burdett & Co.
The Cecilian, Book III., Tufts.....	Silver, Burdett & Co.
The Cecilian, Book IV., Tufts.....	Silver, Burdett & Co.

### Spellers.

Graded City Speller, Second Grade, Part I., Chancellor,	Macmillan Company
Harrington's Speller, Part I.....	American Book Company
Harrington's Speller, Part II.....	American Book Company
Harrington's Speller, Complete.....	American Book Company
Quincy Word List, Parlin.....	Silver, Burdett & Co.
Word Builder, Gage and O'Loughlin.....	B. H. Sanborn & Co.

### Physiologies.

Child's Book of Health, Blaisdell.....	Ginn & Co.
Control of Body and Mind, Gulick.....	Ginn & Co.
Emergencies, Gulick.....	Ginn & Co.
Good Health, Gulick.....	Ginn & Co.
Health for Little Folks, Blaisdell.....	Ginn & Co.
How to Keep Well, Blaisdell.....	Ginn & Co.
Our Bodies and How We Live, Blaisdell.....	Ginn & Co.
Physiology and Health, No. 1, Hunt.....	American Book Company
Physiology and Health, No. 2, Hunt.....	American Book Company
The Body at Work, Gulick.....	Ginn & Co.
Town and City, Gulick.....	Ginn & Co.

### Reading and Literature.

Aldine Primer, Spaulding and Bryce.....	Newson & Co.
Aldine First Reader, Spaulding and Bryce.....	Newson & Co.
Aldine Second Reader, Spaulding and Bryce.....	Newson & Co.
Aldine Third Reader, Spaulding and Bryce.....	Newson & Co.
Aldine Fourth Reader, Spaulding and Bryce.....	Newson & Co.
Aldine Fifth Reader, Spaulding and Bryce.....	Newson & Co.
Aldine Short Stories for Little Folks, Spaulding and Bryce,	Newson & Co.
Aldine That's Why Stories, Spaulding and Bryce.....	Newson & Co.
Arnold Primer.....	Silver, Burdett & Co.
Cyr's Primer.....	Ginn & Co.
Cyr's Reader, by grades, Book I.....	Ginn & Co.
Cyr's Reader, by grades, Book II.....	Ginn & Co.
Cyr's Reader, by grades, Book III.....	Ginn & Co.
Cyr's Reader, by grades, Book IV.....	Ginn & Co.
Cyr's Reader, by grades, Book V.....	Ginn & Co.
Cyr's Reader, by grades, Book VI.....	Ginn & Co.
Cyr's Reader, by grades, Book VII.....	Ginn & Co.
Cyr's Reader, by grades, Book VIII.....	Ginn & Co.
Cyr's Dramatic Reader.....	Ginn & Co.
Davis's Second Reader.....	University Publishing Company
Graded Literature, Book I., Judson and Bender....	C. E. Merrill & Co.
Graded Literature, Book II., Judson and Bender....	C. E. Merrill & Co.
Graded Literature, Book III., Judson and Bender....	C. E. Merrill & Co.
Graded Literature, Book IV., Judson and Bender....	C. E. Merrill & Co.
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Graded Literature, Book VI., Judson and Bender..	C. E. Merrill & Co.
Graded Literature, Book VII., Judson and Bender..	C. E. Merrill & Co.
Graded Literature, Book VIII., Judson and Bender..	C. E. Merrill & Co.
Hawthorne Reader, Book I.....	Globe School Book Company
Hawthorne Reader, Book II.....	Globe School Book Company
Hawthorne Reader, Book III.....	Globe School Book Company
Hawthorne Reader, Book IV.....	Globe School Book Company
Hawthorne Reader, Book V.....	Globe School Book Company
Holton Primer.....	Rand, McNally & Co.
Sprague Classic Reader, Book I.....	Educational Publishing Company
Sprague Classic Reader, Book II.....	Educational Publishing Company
Sprague Classic Reader, Book III.....	Educational Publishing Company
Sprague Classic Reader, Book IV.....	Educational Publishing Company
Sprague Classic Reader, Book IV., Part 1,	Educational Publishing Company
Sprague Classic Reader, Book IV., Part 2,	Educational Publishing Company
Sprague Classic Reader, Book V.....	Educational Publishing Company
Sprague Classic Reader, Book V., Part 1,	Educational Publishing Company
Sprague Classic Reader, Book V., Part 2,	Educational Publishing Company
Ward's Primer.....	Silver, Burdett & Co.
Ward's First Reader.....	Silver, Burdett & Co.
Ward's Second Reader.....	Silver, Burdett & Co.
Ward's Third Reader.....	Silver, Burdett & Co.
Ward's Additional Primer.....	Silver, Burdett & Co.
Ward's Additional First Reader.....	Silver, Burdett & Co.
Wide Awake Primer, Murray.....	Little, Brown & Co.
Wide Awake First Reader, Murray.....	Little, Brown & Co.

### Supplementary Reading.

Action, Imitation, and Fun Series, Pratt-Chadwick,	Educational Publishing Company
Bow-Wow and Mew-Mew	
Hop O' My Thumb	
Jack and the Beanstalk	
Jack the Giant Killer	
Little Red Riding Hood	
Puss-in-Boots	
The Little People's Sound Primer	
The Little Red Hen	
The Three Pigs	
The Three Bears	
The Three Little Kittens	
Aesop's Fables, Stickney.....	Ginn & Co.
Baldwin's Fairy Stories and Fables.....	American Book Company
Beacon Lights of Patriotism, Carrington.....	Silver, Burdett & Co.
Child Life, Primer, Blaisdell.....	Macmillan Company
Child Life, No. 1, Blaisdell.....	Macmillan Company
Child Life in Tale and Fable, No. 2, Blaisdell.....	Macmillan Company
Child Life in Many Lands, No. 3, Blaisdell.....	Macmillan Company
Child Life in Literature, No. 4, Blaisdell.....	Macmillan Company
Child Life, Fifth Reader, Blaisdell.....	Macmillan Company
Colonial Massachusetts, Dawes.....	Silver, Burdett & Co.
Each and All, Andrews.....	Ginn & Co.
Fable and Folk Stories, Scudder.....	Houghton Mifflin Company
Finch Primer.....	Ginn & Co.
Four Great Americans, Baldwin.....	American Book Company

- Four American Patriots, Burton.....American Book Company  
 Great Artists, No. 1, Keyson.....Educational Publishing Company  
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 Geographical Readers, Carpenter.....American Book Company  
     North America  
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 Geographical Readers, Book I., Carroll.....Silver, Burdett & Co.  
 Geographical Readers, Book II., Carroll.....Silver, Burdett & Co.  
 Geographical Readers, Book III., Carroll.....Silver, Burdett & Co.  
 Geographical Readers, Book IV., Carroll.....Silver, Burdett & Co.  
 Grimm's Fairy Tales.....Houghton Mifflin Company  
 Heroic Ballads, Montgomery.....Ginn & Co.  
 History Reader for Elementary Schools, Wilson...Macmillan Company  
 Lights to Literature, No. 1, Lane.....Rand, McNally & Co.  
 Lights to Literature, No. 2, Lane.....Rand, McNally & Co.  
 Lights to Literature, No. 3, Lane.....Rand, McNally & Co.  
 Lights to Literature, No. 4, Lane.....Rand, McNally & Co.  
 Lights to Literature, No. 5, Lane.....Rand, McNally & Co.  
 Lights to Literature, No. 6, Lane.....Rand, McNally & Co.  
 Lights to Literature, No. 7, Lane.....Rand, McNally & Co.  
 Lights to Literature, No. 8, Lane.....Rand, McNally & Co.  
 Little Betty Marigold.....C. M. Clark Publishing Company  
 Little Daffydowndilly, Hawthorne.....Houghton Mifflin Company  
 Masterpieces of American Literature.....Houghton Mifflin Company  
 Noble Deeds of Our Fathers, Watson,  
     Lothrop, Lee & Shepard Company  
 New Education Reader, Book I., Demarest and Van Sickle,  
     American Book Company  
 New Education Reader, Book II., Demarest and Van Sickle,  
     American Book Company  
 New Education Reader, Book III., Demarest and Van Sickle,  
     American Book Company  
 Seven Little Sisters, Andrews.....Ginn & Co.  
 Stepping Stones to Literature, No. 1, Arnold and Gilbert,  
     Silver, Burdett & Co.  
 Stepping Stones to Literature, No. 2, Arnold and Gilbert,  
     Silver, Burdett & Co.  
 Stepping Stones to Literature, No. 3, Arnold and Gilbert,  
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 Stepping Stones to Literature, No. 8, Arnold and Gilbert,  
     Silver, Burdett & Co.

Stories of American Life and Adventure, Eggleston,	American Book Company
Stories of Great Americans, Eggleston.....	American Book Company
Stories from New England History, Hawthorne,	Houghton Mifflin Company
Stories of the English, Guerber.....	American Book Company
Stickney's First Reader.....	Ginn & Co.
Stickney's Second Reader.....	Ginn & Co.
Stickney's Third Reader.....	Ginn & Co.
Stickney's Fourth Reader.....	Ginn & Co.
Stickney's Alternate Fourth Reader.....	Ginn & Co.
Stickney's Fifth Reader.....	Ginn & Co.
Sunbonnet Babies' Primer, Grover.....	Rand, McNally & Co.
Sunshine Primer, Noyes and Guild.....	Ginn & Co.
The World and Its People Series, Dunton.....	Silver, Burdett & Co.
Book I., First Lessons	
Book II., Glimpses of the World	
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Wonder Book, Hawthorne.....	American Book Company
Five-Cent Classics	
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#### AUTHORIZED BOOKS FOR EVENING SCHOOLS.

English for Foreigners, O'Brien.....	Houghton Mifflin Company
First Book for Non-English-Speaking People, Cunningham,	D. C. Heath & Co.
Second Book for Non-English-Speaking People, Harrington	
and Moore.....	D. C. Heath & Co.
Reading and Language Lessons for Evening Schools, Chancellor,	American Book Company
The New American Citizen, Mintz.....	Macmillan Company







**Table of Truancies and Absenteeism by Ages and Grades.**

GRADE.	BY AGES.											Totals.
	6	7	8	9	10	11	12	13	14	15	16 or Over	
I. . . . .	3	3	5	3	1	..	..	2	..	..	..	17
II. . . . .	..	9	3	..	1	2	..	..	2	3	1	21
III. . . . .	..	..	12	12	10	1	..	1	..	..	..	36
IV. . . . .	..	..	2	11	17	13	11	9	4	..	..	67
V. . . . .	..	..	..	2	9	14	26	6	6	..	..	63
VI. . . . .	..	..	..	..	..	8	9	22	12	2	..	53
VII. . . . .	..	..	..	..	..	3	6	29	12	10	..	60
VIII. . . . .	..	..	..	..	..	..	..	14	12	7	..	33
IX. . . . .	..	..	..	..	..	..	..	1	3	2	..	6
X. . . . .	..	..	..	..	..	..	..	1	5	6	..	12
XI. . . . .	..	..	..	..	..	..	..	..	2	2	3	7
XII. . . . .	..	..	..	..	..	..	..	..	..	1	..	1
Industrial . . . . .	..	..	..	..	..	..	..	..	6	13	2	21
Ungraded . . . . .	..	..	1	..	..	..	..	..	2	..	2	5
	3	12	23	28	38	41	52	85	66	46	8	402

**Truants and Absentees by Schools.**

School.	No. of Truants.
High .....	20
Prescott .....	31
Hanscom .....	4
Bennett .....	33
Baxter .....	6
Knapp .....	18
Perry .....	5
Pope .....	15
Bell .....	9
Cummings .....	2
Edgerly .....	11
Glines .....	6
Forster .....	12
Bingham .....	19
Carr .....	45
Morse .....	12
Proctor .....	6
Durell .....	6
Burns .....	6
Brown .....	8
Highland .....	3
Hodgkins .....	20
Lincoln .....	1
Lowe .....	5
Industrial School for Boys.....	21
Highland Evening .....	5
Parochial .....	73
Total .....	402

## PUBLIC LIBRARY.

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\*Resigned June, 1911.

†Qualified October 10, 1911, for unexpired term of Mr. Burgess.

## REPORT OF THE TRUSTEES.

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To the Honorable, the Mayor, and the Board of Aldermen of the City of Somerville:—

Gentlemen,—The thirty-ninth annual report of the trustees of the public library is herewith respectfully submitted.

The year has been marked by the loss from his place of our librarian, Sam Walter Foss, of beloved memory. The library grew, under his charge, to great usefulness and power, and served this community both in study and in recreation. As his successor, Drew B. Hall has been chosen librarian.

Our public library must meet the needs of a great and increasing population, having in its proportion of readers and library users few equals in the country. For the first time the gross yearly circulation has exceeded half a million. To meet this demand all our resources have, by every possible device, been strained to the utmost. The accommodations of the central building have been in many ways readjusted better to serve readers and students and home users of books. Facility of distribution has been promoted by permitting the drawing of any reasonable number of books of non-fiction, by methods of renewing books by mail, telephone, or in person, and of reserving desired volumes. A selected and annotated list of 2,000 of the most used novels has been issued; and a very full and careful seventy-page catalogue listing the music scores and works about music both in the central and branch collections. The library staff and its work have been reorganized with a notable increase of competence and efficiency. A well-considered scheme for a graded service has been adopted, seeking to attract and develop a corps of assistants which shall be appointed, promoted, and retained for educational and technical qualifications and efficiency.

But after all is done, the library is fairly strangled, its work impaired, and its growth arrested by lack of sufficient and suitable accommodations at the central building. Years ago the trustees called attention to the increased difficulty of doing the library's business in its outgrown quarters. The growth since then, both of population and readers, has exceeded all expectation, so that relief from crowded conditions is immediately necessary. Though book stacks and shelves will hold but few more volumes, the worst crowding is in the accommodations offered the users of the building. The reading room seats but twenty-four (24) persons; the reference room is so isolated that few persons realize there is such a department; the art and Americana rooms, containing large and very valuable collec-

tions on these special subjects, were visited by but eighty-six and sixty-seven persons respectively during the twelve months of 1911. The increase in circulation has kept pace, during the last twenty-five years, with the increase of books, so that it is now seven times as great, but the use of the reference collection, for serious study, has not increased, for the accommodations in this department have not been enlarged or in anywise made more attractive.

The working space for the staff is entirely inadequate to the very large amount of detail necessary to the cataloguing of 8,000 volumes a year, the use, repair, and accounting for a collection of 100,000 volumes, from which a circulation of 530,000 volumes is rolled up in a twelve-month. There are but eight desks and two places at the loan counter for the eighteen persons who do desk work; neither are there any lockers for personal effects, and only hooks in a dark semi-public hall-way 3x8 feet for the wraps of eighteen (18) assistants.

A small boy once asked a librarian for a book that would tell "how to get educated and how to stay so." This is exactly the function of a public library; not only to educate people, but to keep them educated by giving them constantly the very best. It should be not so much a storehouse of knowledge as a distributing center of knowledge, treating all persons and all questions alike. To do this we must have proper facilities.

The attention of the city government and the interest of the citizens is called to the duty of providing such material enlargement as shall enable the library to continue its great work and hold its leading place among American libraries.

Our thanks are due to the members of the staff for their splendid co-operation in one of the most successful years of the library's existence.

Respectfully submitted,  
(Signed) THOMAS M. DURELL,  
President.

Adopted by the board of trustees January 30, 1912.

Attest:

DREW B. HALL,  
Secretary.



**THE PUBLIC LIBRARY.**  
**Central Building, Highland Avenue.**

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The Reference Room and the Circulating Department: Week days  
(excepting holidays), 9 A. M. to 9 P. M.  
The Reading Room: Week days (excepting holidays), 9 A. M. to 9  
P. M.; Sundays, 2 to 6 P. M.  
The Children's Room: Week days for reading and circulation, 9 A. M.  
to 8 P. M.; Sundays (for reading only), 2 to 6 P. M.

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**WEST SOMERVILLE BRANCH.**

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All departments: Week days, 1 to 9 P. M.; and on Saturdays, 9 A. M.  
to 1 P. M. in addition.

East Somerville Agency, corner Franklin and Pearl Streets.  
Union Square Agency, 26 Union Square.  
South Somerville Agency, 518 Somerville Avenue.

**Librarian.**

\*SAM WALTER FOSS.

†DREW B. HALL.

**Assistant Librarian.**

NELLIE M. WHIPPLE.

**Library Assistants.**

Mabel E. Bunker, Reference and Art Librarian.  
Bessie S. Cobb, West Somerville Branch.  
Bessie L. Duddy, Stenographer.  
Ruth S. Fales, West Somerville Branch.  
Edith B. Hayes, Assistant Cataloguer.  
Esther M. Mayhew, Cataloguer.  
A. Myrtle Merrill, Binding and Circulating Departments.  
Zoe E. Nelson, Circulating Department.  
Myrtle Nicholson, Circulating and Cataloguing Departments.  
Ethel M. Nute, West Somerville Branch.  
A. Lisette Parker, Circulating Department.  
Alice W. Sears, Librarian, West Somerville Branch.  
Helen Spear, Circulating Department.  
Anna L. Stone, Children's Librarian.  
Ruby G. White, Agencies, and Circulating Department.  
Mary S. Woodman, School Librarian.

Charles A. Southwick, Janitor, Central.  
Thomas O'Day, Janitor, West Somerville Branch.  
William Mullanny, Messenger.

**Substitutes and Pages, on Special and Part Time.**

Annie M. Currie.	Mary L. Foss.
Edgar L. Kaula.	Richard Barlow.
Oscar Cederlund.	Thomas A. West.
Dudley Holden.	Ronald Moore.

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\*Deceased, February 26, 1911.

†Qualified, May 5, 1911.

## REPORT OF THE LIBRARIAN.

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To the Trustees of the Somerville Public Library:—

I herewith submit the thirty-ninth annual report of the librarian for the calendar year 1911:—

### Growth.

To Central 6,917 volumes were added, to West Somerville 1,763, a total of 8,680, of which 4,430 were new to the library and 4,250 were duplicates or replacements. During the last half of the year figures were kept showing the number of volumes added to each of the various classes, as has never been done before. While the results do not account for every volume added, they indicate that about forty per cent. of the purchases, or 3,500 volumes in round numbers, were fiction; of the 930 volumes added in October 366 were fiction. So great is the wear and tear of our circulation that 2,538 volumes were worn out and rejected from Central and 440 from West Somerville, a total of 2,978, which, subtracted from the additions as above, brings the net increase down to 5,702; which, added to the 98,164 in the library on January 1, 1911, make the gross total January 1, 1912, for the first time exceed the one hundred thousand mark in the sum of 103,866 volumes.

The processes incident to the invoicing, classifying, cataloguing, and preparing for circulation of so many thousands of additions, and the equally time-consuming processes of withdrawing worn-outs have required more painstaking and detail work than ever from the cataloguing force. Besides these regular duties, the special ones of preparing the catalogues of select fiction and of music have fallen to this department. The accommodations afforded by the catalogue room are totally inadequate to the yearly increasing requirements, which are accomplished only with grave risk of error and at the expenditure of an undue amount of labor and time.

### Registration.

The number of readers' personal cards issued on the present registration during the last four years numbers just short of 30,000. Many of these cards, of course, are no longer in use; some of them are in the hands of other persons than those to whom they were issued; and the presence of thousands of unused readers' cards and records in the library's files add considerably to their bulk and to the difficulty of working them quickly and carefully. For these and certain minor reasons, it would be well during the coming year to begin re-registration on some plan by which cards would automatically

expire at the end of some chosen period, such as three years, and then be renewed.

During this year 3,917 new readers' cards were issued, 2,576 from Central and 1,341 from West Somerville, not including 415 special "vacation" cards.

#### Use of Books.

The circulation, or home use, from Central was 219,679, actual count; at West Somerville 127,160; at the East Somerville agency 12,403; at the Union-square agency 8,631, a total of actually counted use of 367,873. There were in school-rooms, Sunday schools, fire stations, and other places of deposit from 1,300 to 9,000 volumes at any one time according to the season of the year. The use of these estimated on the "old" basis, of one circulation per volume every fortnight, amounted to 162,133 for the year. The total, therefore, of the actually-counted circulation plus this estimate was 530,006. On the same basis in 1910 the total was 489,363, with actually-counted circulation 352,272, and an estimate 137,091. I do not look for a large increase over the circulation of last year except at the new reading rooms in East Somerville and Union square. For these neighborhoods, which have hardly been reached heretofore, will doubtless develop a large "new business."

The reference work, on the other hand, has not shown the increase it ought to; in fact, there has been a steady decrease during the last dozen years. The accommodations for readers in the building have not during that time been increased, and are lamentably small for a population and circulation the size of Somerville's. The reference room is, by common consent, badly placed and arranged, and there seems to be no doubt that its service to the public would be much greater if it were situated on the ground floor, so that it would be more often noticed and more easily reached.

Methods of renewing books by mail, telephone, or in person when the first period of loan has expired have been introduced; also of reserving a volume which is desired, but seems always "out." Facility of distribution has also been promoted by permitting the drawing of any reasonable number of books of non-fiction, so that now a reader may draw on one card one novel, two unbound periodicals, and any number of non-fiction. Many readers avail themselves of these efforts to "get the right book to the right person," and gratefully express their appreciation.

#### Publications and Exhibitions.

Sixteen collections of photographs, or engravings, have been shown during the year. They exhibited, among other subjects: The Rise of Architecture in Italy, Transportation



without Steam or Electricity, Eighteenth Century Color Prints, James McNeill Whistler, The Yosemite Valley, Japanese Color Prints, Mount Shasta, American warships. Attention is again called to the deplorable lack of wall space suitable for these exhibitions. Very few visitors now see them in the small passageway on the second floor, where they must be hung.

The regular bulletin was issued monthly as heretofore.

A select and annotated list of 2,000 of the most used and worthy novels was issued in the fall, and there is now just ready a very carefully prepared seventy-page catalogue of music scores and books about music in both the central and branch collections. These contain several thousand scores of the greatest permanent and popular interest. During the compilation of the catalogue upwards of 800 volumes and scores recommended in the American Library Association's special list for library purchase were added to round out certain departments.

The local newspapers have been of great assistance in calling attention to the library in frequent notices of its aims and doings.

#### **The Staff.**

A well-considered "Scheme of Service," grading the various employees, has been adopted. It provides that the staff of the library "shall be appointed, promoted, and retained for educational and technical qualifications and efficiency," as determined by examinations suitable to the position in question, and by carefully kept experience ratings covering the work already done by the candidate. The salary of the lowest grade has been increased from \$200 to \$360, and the schedule made 40.5 hours per week. This time is regularly "divided into eleven periods, nine day and two evening, not exceeding two periods being required in one day," and is now so arranged that twenty-four hours, from noon of one day to noon of the next, are free during the less busy days in the middle of the week.

To his co-workers on the staff the librarian wishes to render most sincere thanks for their ready and loyal support in the beginnings of new undertakings.

To the trustees he is particularly grateful for their personal confidence, as well as for their official assistance and support in the accomplishments of the past six months, and in various projects under consideration, but not yet brought to the stage of completion.

Very respectfully,

DREW B. HALL,  
Librarian,

December 30, 1911,



### ACCESSIONS.

In Central January 1, 1911, including Agencies and Deposits . . . . .		88,921
Added, new titles . . . . .	3,401	
Added, duplicates . . . . .	3,516	
Total additions . . . . .	6,917	
Worn out . . . . .	2,538	
Net gain . . . . .		4,379
In Central January 1, 1912 . . . . .		93,300
In West Somerville Branch January 1, 1911 . . . . .		9,243
Added, new titles . . . . .	1,029	
Added, duplicates . . . . .	734	
Total additions . . . . .	1,763	
Worn out and withdrawn . . . . .	440	
Net gain . . . . .		1,323
In West Somerville Branch January 1, 1912 . . . . .		10,566
Total volumes in Public Library . . . . .		103,866

### DEPOSITS.

#### Volumes on Deposit from Three Months to a Year.

In 191 School Rooms . . . . .		7,432
In Sunday Schools, Clubs, etc. . . . .		1,606
Total out on deposit . . . . .		9,038
Circulation, estimated on "old" basis that each volume is used once during each fortnight it is out on deposit . . . . .		162,133

### CIRCULATION.

Central . . . . .		219,679
West Somerville Branch . . . . .		127,160
East Somerville Agency . . . . .		12,403
Union Square Agency . . . . .		8,631
Actual counted circulation . . . . .		367,873
Estimated circulation of Deposits as above . . . . .		162,133
Total Volumes circulated for home use . . . . .		530,006

## FINANCIAL STATEMENT.

### CENTRAL.

**Including Agencies, Deposits, and Cataloguing, etc., for Branches.**

#### RECEIPTS.

City Appropriation . . . . .	\$17,000 00
Dog Tax . . . . .	3,949 82
Books lost and paid for . . . . .	7 05
Fines . . . . .	895 15
	\$21,852 02

#### EXPENDITURES.

Books . . . . .	\$6,216 49
Music . . . . .	726 68
Periodicals . . . . .	668 37
Binding . . . . .	2,786 73
Printing . . . . .	729 20
Stationery and Supplies . . . . .	329 95
Fittings . . . . .	409 87
Salaries . . . . .	9,281 41
Agencies . . . . .	352 68
Express . . . . .	203 95
Postage and Telephone . . . . .	97 23
Sundries . . . . .	49 46
	\$21,852 02

\$21,852 02

### WEST SOMERVILLE BRANCH.

#### RECEIPTS.

City Appropriation . . . . .	\$5,000 00
Fines . . . . .	501 53
	\$5,501 53

#### EXPENDITURES.

Books . . . . .	\$2,091 44
Music . . . . .	214 74
Periodicals . . . . .	334 43
Binding . . . . .	683 38
Printing . . . . .	6 00
Stationery and Supplies . . . . .	89 43
Fittings . . . . .	5 63
Salaries . . . . .	2,008 26
Express . . . . .	35 37
Postage and Telephone . . . . .	26 82
Sundries . . . . .	6 03
	5,501 53

5,501 53

### EAST SOMERVILLE READING ROOM.

#### RECEIPTS.

City Appropriation . . . . .	\$195 35
------------------------------	----------

#### EXPENDITURES.

Books . . . . .	\$90 65
Periodicals . . . . .	104 70
	195 35

195 35

Amount carried forward . . . . .	\$27,548 90
----------------------------------	-------------

### ACCESSIONS.

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Added, duplicates . . . . .	734	
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Total out on deposit . . . . .		9,038
Circulation, estimated on "old" basis that each volume is used once during each fortnight it is out on deposit . . . . .		162,133

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Music . . . . .	726 68
Periodicals . . . . .	668 37
Binding . . . . .	2,786 73
Printing . . . . .	729 20
Stationery and Supplies . . . . .	329 95
Fittings . . . . .	409 87
Salaries . . . . .	9,281 41
Agencies . . . . .	352 68
Express . . . . .	203 95
Postage and Telephone . . . . .	97 23
Sundries . . . . .	49 46
	\$21,852 02

\$21,852 02

### WEST SOMERVILLE BRANCH.

#### RECEIPTS.

City Appropriation . . . . .	\$5,000 00
Fines . . . . .	501 53
	\$5,501 53

#### EXPENDITURES.

Books . . . . .	\$2,091 44
Music . . . . .	214 74
Periodicals . . . . .	334 43
Binding . . . . .	683 38
Printing . . . . .	6 00
Stationery and Supplies . . . . .	89 43
Fittings . . . . .	5 63
Salaries . . . . .	2,008 26
Express . . . . .	35 37
Postage and Telephone . . . . .	26 82
Sundries . . . . .	6 03
	5,501 53

5,501 53

### EAST SOMERVILLE READING ROOM.

#### RECEIPTS.

City Appropriation . . . . .	\$195 35
------------------------------	----------

#### EXPENDITURES.

Books . . . . .	\$90 65
Periodicals . . . . .	104 70
	195 35

195 35

Amount carried forward . . . . .	\$27,548 90
----------------------------------	-------------



Amount brought forward . . . . . \$27,548 90

**UNION SQUARE READING ROOM.**

RECEIPTS.

City Appropriation . . . . . \$184 45

EXPENDITURES.

Books . . . . . \$184 45

Isaac Pitman Art, Books and Pictures . . . . .

184 45  
57 37

Total expended under the Trustees . . . . . \$27,790 72

On account of building maintenance, the  
Commissioner of Public Buildings, re-  
ceived:—

For Central . . . . . \$3,750 00

For West Somerville Branch . . . . . 1,750 00

5,500 00

Total operating expenses . . . . . \$33,290 72

**BOARD OF HEALTH.**

**1911.**

---

WESLEY T. LEE, M. D., Chairman.

JACKSON CALDWELL.

WILLIAM P. FRENCH.

**Clerk and Agent to Issue Burial Permits.**

GEORGE H. GALPIN.

**Agent.**

CALEB A. PAGE.

**Medical Inspector.**

FRANK L. MORSE, M. D.

**Inspector of Animals and Provisions.**

CHARLES M. BERRY, V. S.

**Inspector of Milk and Vinegar.**

HERBERT E. BOWMAN, Ph. G.

**Plumbing Inspector.**

DUNCAN C. GREENE.

**Superintendent of Collection of Refuse and Garbage.**

EDGAR T. MAYHEW.

## REPORT OF THE BOARD OF HEALTH.

OFFICE OF THE BOARD OF HEALTH, }  
City Hall, January 1, 1912. }

To His Honor, the Mayor, and the Board of Aldermen:—

Gentlemen,—We respectfully submit the following as the thirty-fourth annual report of the board of health, in which is presented a statement, tabulated and otherwise, of the sanitary condition of the city and the business of the board for the year ending December 31, 1911:—

### Nuisances.

A record of nuisances abated during the year, in compliance with notices issued by the board, or under the board's direction, is presented in the following table:—

Complaints investigated and cause removed:—	
Animals kept in cellar . . . . .	2
Ashes and rubbish in yard . . . . .	42
Buildings, foul odor in . . . . .	4
Cellars, water in . . . . .	16
Cellars filthy . . . . .	6
Committing nuisances in buildings . . . . .	4
Complaints investigated, no cause found . . . . .	26
Dumping grounds, papers blown from . . . . .	1
Fish, foul odors from . . . . .	5
Garbage thrown in yards . . . . .	9
Garbage collected unlawfully . . . . .	1
Manure heaps, foul odor from . . . . .	12
Milk rooms, screens not on . . . . .	23
Plumbing unsanitary . . . . .	14
Poultry yards as a nuisance . . . . .	11
Privy vaults, foul odor from . . . . .	1
Sewer openings, foul odor from . . . . .	1
Slops thrown on ground or from window . . . . .	9
Stables offensive . . . . .	26
Stores (bakeries) whitewashed . . . . .	12
Screens not on carts . . . . .	8
Screens not on fruit store . . . . .	1
Screens not on bakeries . . . . .	5
Standing water, foul odor from . . . . .	3
Standing water under stables . . . . .	7
Tenements overcrowded . . . . .	4
Tenements filthy . . . . .	3
Tenements unsanitary . . . . .	2
Unlicensed animals . . . . .	6
Unclassified . . . . .	8
Water-closets, foul odors from . . . . .	37
Water-closets without water . . . . .	4
Yards filthy . . . . .	106
Total . . . . .	419
Number of nuisances abated . . . . .	419
Number of nuisances referred to board of 1911 . . . . .	8
Number of nuisances complained of . . . . .	427

In addition to the above, 269 dead animals have been re-

moved from the public streets, and many nuisances have been abated on verbal notice from the agent, without action by the board, of which no record has been made. Each spring the whole city is examined, and cellars, yards, and alleyways where rubbish and filth have collected are required to be cleaned.

*Glanders.*—Forty-seven cases of glanders have been reported during the year. Prompt action was taken in every case, and forty-one of the horses were killed, six being released from quarantine by order of the cattle commissioners.

#### Permits.

The record of permits to keep cows, swine, goats, and hens, and to collect grease is as follows:—

*Cows.*—Thirty-one applications were received for permits to keep seventy-three cows. Twenty-seven permits to keep sixty-five cows were granted, and four permits were refused.

*Swine.*—Eighteen applications were received for permits to keep thirty-seven swine, sixteen of which were granted to keep thirty-four swine. The fee is one dollar for each swine.

*Goats.*—Three applications were received for permits to keep three goats, all of which were granted. The fee is one dollar for each goat.

*Hens.*—One hundred and two applications for permits to keep 1,690 hens were received. Eighty-three permits to keep 1,358 hens were granted, and nineteen permits were refused.

*Grease.*—Twelve applications were received for permits to collect grease. Twelve permits were granted. The fee is two dollars. Five of the parties licensed reside in Somerville, two in Charlestown, three in Cambridge, one in Boston, and one in Malden.

*Melting and Rendering.*—Four parties have been licensed to carry on the business of melting and rendering, under the provisions of the revised laws of 1902, chapter 75, section 111, for which a fee of one dollar is charged.

#### Pedlers.

Three hundred and three certificates of registration were issued to hawkers and pedlers during the year under the provisions of ordinance number 29—an increase of 114 over the year 1910. Each pedler is required to present a statement from the sealer of weights and measures, showing that his measures have been properly sealed, before a certificate is issued to him. Pedlers are also required to present their vehicles at the police station the first Monday of each month for inspection by the agent of the board, that he may see if they are kept in a clean condition, and are properly marked with the owner's name and number.



Since May 3, 1911, in pursuance of action taken by the board on that date all pedlers have been required to pay a fee of one dollar for each certificate of registration issued. The majority of the pedlers had renewed their certificates prior to this date for the year 1911, and, therefore, there were only \$74 realized from this source. As is shown by the number of certificates issued there will be a large increase in this revenue the coming year.

#### Ashes and Offal.

The collection and disposal of ashes, garbage, and other refuse materials was under the control of the board of health, and a competent superintendent was employed to take charge of this department. December 30, 1911, an ordinance was passed, to take effect January 1, 1912, transferring the collection of refuse and garbage to the highway department.

To do this work eighty-four men are employed, and the department owns and uses thirty-six horses, twenty ash carts, five paper wagons, and fourteen garbage wagons.

*Ashes.*—The ashes and non-combustible materials are deposited upon the city dumps at Winter Hill and West Somerville. The contract awarded to Paul N. Raymond for the use of the incinerator plant and the materials brought there by the board of health wagons was terminated in April, and the contract awarded to Demenico Stefano at \$85 per month from September 1.

During the year 53,020 loads of ashes and 3,140 loads of refuse material have been collected and disposed of.

The arrangement of districts and days of collection is as follows:—

##### DISTRICT NO. 1—MONDAY COLLECTION.

All the territory between Boston and Cambridge lines and the following line: Beginning at Mystic avenue, running through Cross street, Prospect-hill avenue, Stone avenue, across Union square to Webster avenue, Prospect street to Cambridge line.

##### DISTRICT NO. 2—TUESDAY COLLECTION.

All the territory between the line of District No. 1 and the following line: Beginning at Mystic avenue, through Temple street, across Broadway, through Marshall street, to Medford street, Walnut street, to Bow street, Somerville avenue to Hawkins street, Washington street, Perry street, Wyatt street, to Concord avenue, to Cambridge line.

##### DISTRICT NO. 3—WEDNESDAY COLLECTION.

All the territory between the line of District No. 2 and the following line: Beginning at Mystic avenue, Medford line to Main street, to Broadway, to Central street, to Somerville avenue, Park street to Cambridge line.

##### DISTRICT NO. 4—THURSDAY COLLECTION.

All the territory between the line of District No. 3 and the following line: Medford line, Broadway to Cedar street, to Elm street, Mossland street, to Cambridge line,

## DISTRICT NO. 5—FRIDAY COLLECTION.

All the territory between the line of District No. 4 and the following line: Medford line, Warner street to College avenue, to Davis square, Elm street, to Russell street, to Cambridge line.

## DISTRICT NO. 6—SATURDAY COLLECTION.

All the territory west of the line of District No. 5.

*Offal.*—During the year the board has continued to dispose of the city offal at its garbage plant adjacent to the city stables. This offal is sold direct to farmers and others, and is handled in a thoroughly sanitary and satisfactory manner. The demand for the garbage has exceeded the supply, and in its disposal there has been an entire absence of objectionable features. The financial returns to the city are large.

During the year 8,100 loads of offal have been collected.

Two collections are made in each district weekly, and during the summer months an extra collection is made at hotels, stores, and other establishments producing large quantities of offal.

A communication was received from the board of aldermen, as follows:—

In Board of Aldermen, March 23, 1911.

Resolved: That, in the opinion of this board, it is advisable that a change be made in the rules of the board of health relative to removal of ashes, rubbish, and house dirt, to provide that barrels or other receptacles containing same for removal shall be placed on the outer edge of the sidewalk, as formerly, or on the land of the tenant or occupant at the line of the sidewalk, as in the opinion of this board the benefit received from the present system is not sufficient to warrant the additional expense, and such change is desirable as a matter of economy.

A true copy of a resolution adopted by the board of aldermen March 23, 1911.

Attest:

FREDERIC W. COOK,  
City Clerk.

In the opinion of the board of health it was not advisable to at once make such a decided change, but on the first of October the change was made, after sending out circular notices to the citizens as follows:—

Notice: On and after October 2, 1911, all receptacles containing ashes and refuse to be removed by the city teams must be placed on the outer edge of the sidewalk before the arrival of the teams on the day of collection. Employees of the city will not be allowed to enter the premises for the purpose of removing ashes or refuse to the sidewalk, or of replacing empty receptacles, after that date. No change will be made in the days of collection in the various districts or in the present method of collecting garbage.

Per order of the board of health.

DR. WESLEY T. LEE, Chairman,  
JACKSON CALDWELL,  
WILLIAM P. FRENCH.

The above plan for collecting ashes and refuse has been followed since the date of issuing the notice, and up to the present time no communications have been received by the board of health objecting to the change.

#### Stables.

Under the provisions of sections 69 and 70 of chapter 102 of the revised laws of 1902, nine petitions for licenses to erect and use stables were received, and all were granted.

#### Board of Infants.

Seventeen parties, whose applications were first approved by this board, have been licensed by the state board of charity to care for thirty-seven children, in this city, under the provisions of chapter 83 of the revised laws of 1902.

#### Deaths.

There were 1,035 deaths and seventy-five stillbirths in the city during the year, as specified in the following table, which shows a decrease of deaths under the previous year of eight.

Deaths at Somerville hospital during the year . . . . .	73
Deaths at hospital for contagious diseases and tuberculosis . . . . .	34
Deaths at home for aged poor (Highland avenue), . . . . .	36
Deaths at city home . . . . .	9
Deaths at other institutions . . . . .	10

#### DEATHS BY AGES.

AGES.	Total.	Male.	Female.
Under one . . . . .	166	96	70
One to two . . . . .	31	18	13
Two to three . . . . .	13	6	7
Three to four . . . . .	8	4	4
Four to five . . . . .	6	1	5
Five to ten . . . . .	17	8	9
Ten to fifteen . . . . .	9	3	6
Fifteen to twenty . . . . .	13	7	6
Twenty to thirty . . . . .	55	24	31
Thirty to forty . . . . .	81	29	52
Forty to fifty . . . . .	102	57	45
Fifty to sixty . . . . .	115	57	58
Sixty to seventy . . . . .	165	75	90
Seventy to eighty . . . . .	164	80	84
Eighty to ninety . . . . .	80	32	48
Ninety and over . . . . .	10	3	7
Total . . . . .	1,035	500	535







MORTALITY IN SOMERVILLE IN 1911.—Concluded.

	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Total.
<b>V. DISEASES OF THE DIGESTIVE SYSTEM.</b>													
Acute indigestion . . . . .	1	....	....	1	1	1	1	1	..	1	....	....	7
Colitis . . . . .	....	2	....	....	....	....	3	1	3	....	....	....	9
Gastritis . . . . .	....	....	....	....	....	....	....	....	....	....	....	1	1
Peritonitis . . . . .	....	2	1	2	....	1	....	1	....	....	....	....	7
Diarrhœa . . . . .	....	....	....	....	....	....	2	1	1	....	....	....	4
Cholera infantum . . . . .	....	....	....	....	....	....	3	4	....	....	....	....	7
Ptomaine poisoning . . . . .	....	....	....	....	....	....	....	....	....	....	....	1	1
Gastric ulcer . . . . .	....	....	....	....	....	....	....	....	....	....	....	1	1
Enteritis . . . . .	1	....	1	1	1	....	3	9	2	1	3	1	23
Hernia . . . . .	....	1	....	....	....	....	....	1	....	....	1	....	3
Intestinal obstruction . . . . .	....	....	1	....	....	....	....	....	....	....	....	....	1
Ulcer of duodenum . . . . .	....	....	....	....	....	....	....	....	....	....	1	....	1
Appendicitis . . . . .	....	....	2	1	....	....	....	....	....	....	....	....	3
Cirrhosis liver . . . . .	2	1	....	....	2	....	....	1	1	....	....	....	7
Hemorrhage of rectum . . . . .	....	....	....	....	....	....	....	....	....	....	....	1	1
Pylorus stenosis . . . . .	....	....	....	....	....	....	....	....	....	1	....	....	1
<b>VI. DISEASES OF GENITO-URINARY SYSTEM.</b>													
Bright's disease . . . . .	1	2	1	1	4	2	1	....	1	....	1	....	14
Uraemia . . . . .	....	....	....	....	....	....	....	....	....	2	....	1	3
Nephritis . . . . .	1	3	6	2	3	6	2	3	2	6	2	3	39
Hemorrhage of bladder . . . . .	1	....	....	....	....	....	....	....	....	....	....	....	1
<b>VII. CHILDBIRTH.</b>													
Childbirth . . . . .	....	....	1	....	....	....	....	....	1	....	....	....	2
<b>VIII. DISEASES OF THE SKIN AND CELLULAR TISSUE.</b>													
Abscess . . . . .	....	....	....	....	....	....	1	....	....	....	....	....	1
Fistula . . . . .	....	....	....	....	....	....	....	....	1	....	....	....	1
Gangrene . . . . .	2	....	....	3	1	....	....	....	....	....	....	1	7
<b>IX. MALFORMATIONS.</b>													
Hydrocephalus . . . . .	....	....	....	1	....	....	....	....	....	....	....	....	1
<b>X. EARLY INFANCY.</b>													
Malnutrition . . . . .	1	....	1	....	2	....	2	....	....	1	1	2	10
Asphyxia neonatorum . . . . .	....	....	1	....	1	....	1	....	....	....	1	....	4
Premature birth and congenital debility . . . . .	1	3	7	5	2	3	1	....	3	2	2	2	31
Hemorrhage of cord . . . . .	....	1	....	....	....	....	....	....	....	....	....	....	1
Hemorrhage of bowel . . . . .	....	....	1	....	....	....	....	....	....	....	....	....	1
<b>XI. OLD AGE.</b>													
Old age . . . . .	2	2	2	5	2	4	3	1	2	....	....	2	25
Senile dementia . . . . .	....	1	1	....	1	....	....	....	....	....	....	....	3
Arterio-sclerosis . . . . .	6	6	3	3	3	5	4	4	3	1	5	3	46
<b>XII. VIOLENCE.</b>													
Drowning . . . . .	....	....	....	....	1	....	....	....	....	....	....	....	1
Railroad . . . . .	1	1	1	1	....	1	....	1	3	1	....	....	10
Suicide . . . . .	1	....	....	....	....	....	....	....	....	....	1	....	2
Burning . . . . .	....	1	....	1	1	1	....	....	....	....	1	1	6
Suffocation . . . . .	....	1	1	....	....	....	....	....	....	....	1	....	3
Fall down stairs . . . . .	....	....	....	....	....	....	....	....	....	....	1	....	1
Fracture of hip . . . . .	....	....	....	....	....	....	....	1	1	....	....	....	2
Fracture of skull . . . . .	1	....	....	....	....	....	....	1	1	....	1	1	5
Fracture of ribs . . . . .	....	....	....	1	....	....	....	....	....	....	1	....	2
Air embolism . . . . .	....	....	....	....	....	....	....	....	....	1	....	....	1
Gunshot wounds . . . . .	....	....	....	....	....	....	1	....	....	....	....	1	2
<b>Total . . . . .</b>	<b>94</b>	<b>116</b>	<b>98</b>	<b>91</b>	<b>82</b>	<b>80</b>	<b>81</b>	<b>89</b>	<b>75</b>	<b>65</b>	<b>78</b>	<b>86</b>	<b>1035</b>

Population (estimated) . . . . . 80,000  
 Death rate per thousand . . . . . 12.93

**Diseases Dangerous to the Public Health.**

This board has adjudged that the diseases known as actinomycosis, anterior poliomyelitis, Asiatic cholera, cerebrospinal meningitis, diphtheria, glanders, leprosy, malignant pustule, measles, ophthalmia neonatorum, scarlet fever, smallpox, tetanus, trachoma, trichinosis, tuberculosis, typhoid fever, typhus fever, varicella, whooping-cough, and yellow fever are infectious, or contagious, and dangerous to the public health and safety within the meaning of the statutes. Physicians are required to report immediately to the board every case of either of these diseases coming under their care, and postal cards conveniently printed and addressed are supplied to them for the purpose. On receipt of a card from a physician, the superintendent of schools, the principal of the school in the district in which the patient resides, and the librarian of the public library are notified, and state board of health.

*Scarlet Fever.*—One hundred nine cases of scarlet fever have been reported during the year, three of which resulted fatally. In 1910 there were 336 cases, five of which resulted fatally.

*Diphtheria.*—One hundred eighty-three cases of diphtheria have been reported during the year, fifteen of which were fatal. In 1910 there were 226 cases, twenty of which proved fatal. Anti-toxin has been provided by the state board of health, and placed by this board in central locations for use by physicians in cases where people are unable to purchase the same. Culture tubes for diphtheria and sputum bottles for suspected tuberculosis have been obtainable at the same stations.

Warning cards are used in dealing with scarlet fever and with diphtheria, and the premises are fumigated by the use of the formaldehyde gas regenerator, immediately after the termination of the case. An inspection is made by the agent of the board of the premises where diphtheria is reported, and all sanitary defects discovered are required to be remedied as soon as possible.

*Tuberculosis.*—One hundred fifty-four cases of tuberculosis have been reported during the year. There were seventy-seven deaths from this disease.

*Typhoid Fever.*—Forty-three cases of typhoid fever have been reported during the year, six of which have proved fatal. In 1910 there were fifty-seven cases reported, six of which were fatal.

*Typhus Fever, Cholera.*—No cases of typhus fever or cholera have been reported the past year.

*Smallpox.*—One case of smallpox has been reported during the year, which proved fatal.

Number of persons with diphtheria or scarlet fever taken in ambulance to hospital by agent . . . . .	128
Number of cases of scarlet fever and diphtheria for which houses were placarded . . . . .	292
Number of premises disinfected by agent . . . . .	720

It will be seen by the foregoing figures that, in addition to the 562 premises infected with scarlet fever or diphtheria, 428 other premises were disinfected. Thirty-one disinfections were made at the request of attending physicians whose patients had been ill with typhoid fever or cancer. Two hundred ten schoolrooms were disinfected, 140 for scarlet fever, seventy for diphtheria, and 125 premises for tuberculosis, in compliance with the regulations passed by this board.

Many library books have also been disinfected, and quantities of infected bedding and other material have been burned.

### TABLES.

The prevalence of scarlet fever, diphtheria, and typhoid fever in the city during the several months of the year 1911 is shown by the following table, and in the table next following is given the number of deaths from these three diseases, by months, during the last ten years:—

#### Scarlet Fever, Diphtheria and Typhoid Fever Reported in 1911.

MONTHS.	SCARLET FEVER.			DIPHTHERIA.			TYPHOID FEVER.		
	Cases Reported.	Number of Deaths.	Percentage of Deaths.	Cases Reported.	Number of Deaths.	Percentage of Deaths.	Cases Reported.	Number of Deaths.	Percentage of Deaths.
January . . . . .	14	1	7.1	22	1	4.5	4	1	25.
February . . . . .	15	....	....	20	4	20.	1	1	100.
March . . . . .	12	1	8.3	15	1	6.6	1	....	....
April . . . . .	9	....	....	17	1	5.8	3	....	....
May . . . . .	12	....	....	17	1	5.8	1	....	....
June . . . . .	11	....	....	23	1	4.4	0	....	....
July . . . . .	2	....	....	7	1	14.2	3	....	....
August . . . . .	1	....	....	13	1	7.7	7	2	14.2
September . . . . .	1	....	....	10	2	20.	3	2	25.
October . . . . .	7	....	....	15	1	6.6	3	....	....
November . . . . .	17	1	5.8	14	1	7.1	10	....	....
December . . . . .	8	....	....	10	....	....	2	....	....
Total . . . . .	109	3	2.7	183	15	8.2	43	6	13.9



**Deaths from Scarlet Fever, Diphtheria and Typhoid Fever in the Last Ten Years.**

MONTHS.	SCARLET FEVER.										DIPHTHERIA.										TYPHOID FEVER.									
	1902.	1903.	1904.	1905.	1906.	1907.	1908.	1909.	1910.	1911.	1902.	1903.	1904.	1905.	1906.	1907.	1908.	1909.	1910.	1911.	1902.	1903.	1904.	1905.	1906.	1907.	1908.	1909.	1910.	1911.
January . . .	4	..	..	..	..	3	..	2	..	1	4	1	3	3	..	1	1	4	5	1	..	3	1	..	..	..	..	..	1	
February . . .	1	2	1	1	..	2	..	1	..	..	..	2	3	2	2	..	..	4	3	4	..	1	..	..	..	..	..	1	1	
March . . .	..	..	1	1	..	..	1	3	..	1	..	3	..	..	..	1	3	..	1	1	1	1	1	..	..	..	..	..	..	
April . . .	..	..	..	1	..	..	2	1	..	..	1	1	1	5	..	2	2	2	1	..	..	..	1	3	..	..	1	1	..	
May . . .	..	..	..	..	..	1	1	..	..	..	2	2	3	1	2	..	1	1	2	1	1	1	1	1	1	2	..	1	..	
June . . .	..	1	..	1	..	..	..	1	..	..	1	1	1	1	1	..	1	2	2	1	1	1	1	2	1	1	1	1	..	
July . . .	..	..	..	..	..	..	..	..	2	..	..	1	1	..	..	1	1	2	2	1	1	1	1	1	1	..	..	..	..	
August . . .	..	..	..	1	..	2	..	..	..	..	1	2	1	..	..	..	..	3	1	1	1	1	2	..	..	..	..	2	..	
September . . .	..	..	..	..	..	..	..	..	..	..	2	2	..	1	..	..	..	2	2	1	1	2	..	1	1	1	1	1	..	
October . . .	..	..	..	..	..	1	1	..	..	..	2	2	..	2	2	..	..	2	2	1	1	2	..	1	2	4	1	4	..	
November . . .	1	..	..	..	..	1	1	..	..	1	3	2	..	3	1	1	2	1	..	1	..	..	3	3	..	3	1	2	1	..
December . . .	1	3	1	..	..	2	..	..	2	..	5	2	2	3	1	4	2	3	1	..	1	1	1	1	..	..	1	..	..	
Total . . .	3	10	3	4	1	12	4	9	5	3	19	19	14	17	15	9	11	27	20	15	6	10	11	9	11	11	9	8	6	6

**Table of Deaths During the Last Ten Years.**

Year.	No. of Deaths.	Rate per 1,000.
1902 . . . . .	890	13.69
1903 . . . . .	955	14.25
1904 . . . . .	964	13.87
1905 . . . . .	968	13.83
1906 . . . . .	1,004	13.94
1907 . . . . .	997	13.47
1908 . . . . .	903	11.96
1909 . . . . .	988	13.08
1910 . . . . .	1,043	13.45
1911 . . . . .	1,035	12.93
Average death rate per 1,000 for ten years . . . . .		13.44

**Table Showing the Five Principal Causes of Death in Somerville in 1911.**

HEART DISEASE.		PNEUMONIA.		APOPLEXY.		TUBERCULOSIS.		CANCER.	
Number of Deaths.	Number per 10,000 of Pop.	Number of Deaths.	Number per 10,000 of Pop.	Number of Deaths.	Number per 10,000 of Pop.	Number of Deaths.	Number per 10,000 of Pop.	Number of Deaths.	Number per 10,000 of Pop.
128	16	121	15.1	91	11.4	77	9.6	66	8.2



### Medical Inspection of Schools.

The medical inspection of the schools of Somerville, which was instituted in December, 1907, has been continued during the year. The value of the system has been constantly demonstrated, and the work has been done in a very satisfactory manner. There has been harmony of action between the board of health and the school board, and the school principals and teachers have very generally co-operated with the inspectors in making the system as successful as possible.

The inspectors make daily visits to the schools under their charge, and to them are referred all children who show evidences of disease or abnormal conditions. Children who are found to be unfit to remain in school are sent home, accompanied by a slip properly filled out advising that the family physician be consulted. The inspectors also make an annual inspection of all the children in the schools, and any defects discovered are called to the attention of the parents. Monthly inspections of the school buildings and premises are made, and suggestions or criticisms are referred to the proper authorities. Every effort is made to protect the health of the children and to co-operate with the parents in keeping the children in as normal a condition as possible.

It is extremely desirable that one or more school nurses should be employed to supplement and make more effective the work of the inspectors, and it is to be hoped that funds will be available to carry out this project.

In accordance with the provisions of the statute, tests of sight and hearing are made by the principals or teachers.

During the year 5,804 children have been referred to the inspectors during their daily visits, and 1,022 have been sent home because of illness.

The following list will show the classes of diseases and defects which have been found in the schools, except defects of sight and hearing:—

#### LIST OF DISEASES AND NUMBER OF CASES REPORTED.

1. Infectious diseases:—	
Measles . . . . .	16
Whooping cough . . . . .	5
Chicken pox . . . . .	22
Mumps . . . . .	2
Total . . . . .	45
2. Diseases of the nose and throat:—	
Enlarged tonsils and adenoids . . . . .	747
Inflammatory diseases . . . . .	91
Other abnormal conditions . . . . .	11
Total . . . . .	849

3. Diseases of the eyes:—		
Inflammatory conditions of the eyes and lids	104	
Foreign bodies and injuries . . . . .	9	
Other abnormal conditions . . . . .	82	
Total . . . . .		195
4. Diseases of the ears:—		
Inflammatory condition . . . . .	13	
Other abnormal conditions . . . . .	10	
Total . . . . .		23
5. Diseases of the skin:—		
Pediculosis . . . . .	1,093	
Impetigo . . . . .	59	
Scabies . . . . .	19	
Eczema . . . . .	28	
Tinea . . . . .	16	
Herpes . . . . .	11	
Miscellaneous conditions . . . . .	58	
Total . . . . .		1,284
6. Miscellaneous diseases:—		
Constitutional diseases . . . . .	4	
Diseases of the digestive system . . . . .	52	
Diseases of the respiratory system . . . . .	127	
Diseases of the circulatory system . . . . .	23	
Diseases of the lymphatic system . . . . .	76	
Diseases of the nervous system . . . . .	9	
Diseases of the urinary system . . . . .	4	
Wounds and injuries . . . . .	15	
Other conditions . . . . .	106	
Total . . . . .		416
Total number of diseases reported . . . . .		2,812
Vaccinations performed . . . . .		702

The districts and inspectors are as follows:—

*District No. 1.*—Prescott, Hanscom, Davis, and Edgerly schools. Inspector, Dr. Francis Shaw, 57 Cross street.

*District No. 2.*—Baxter, Knapp, Perry, and Bell schools. Inspector, Dr. Edward J. Dailey, 46 Bow street.

*District No. 3.*—Bennett, Pope, Cummings, and Proctor schools. Inspector, Dr. L. H. Raymond, 144 Highland avenue.

*District No. 4.*—Morse, Carr, Durell, and Burns schools. Inspector, Dr. W. L. Bond, 322 Highland avenue.

*District No. 5.*—Brown, Bingham, and Forster schools. Inspector, Dr. H. M. Stoodley, 383 Highland avenue.

*District No. 6.*—Lincoln, Hodgkins, Highland, and Lowe schools. Inspector, Dr. H. Cholerton, 94 College avenue.

*District No. 7.*—Glines and High schools. Inspector, Dr. R. F. Gibson, 76 College avenue.

*Parochial Schools.*—Inspector, Dr. M. W. White, 42 Bow street.

### **Hospital for Contagious Diseases.**

*Scarlet Fever and Diphtheria.*—The hospital has continued to demonstrate its value to the city during the past year. The institution is now well equipped and in every way modern and convenient.

Miss Edith M. Grant has continued as matron, and has done excellent work. The hospital has been carried on economically, and in every particular the results have been satisfactory to the board.

The statistical report is included in the report of the medical inspector.

### **Tuberculosis Hospital.**

The tuberculosis hospital has been in operation since March 8 of the year 1911, and has proved conclusively the necessity and desirability of such an institution in our city.

There have been eighty-five patients received at the hospital.

The conditions shown and the results obtained in the cases received prove, also, the need of continued work along this line on a broader basis. Recent figures show that there are approximately 40,000 cases of tuberculosis in Massachusetts, and that there are accommodations for not more than 4,000 patients. The state is making every effort to save its people, and each city and town should feel itself, in a manner, responsible for the progress of this work. It is to the credit of the city of Somerville that we are among the first who have established a hospital for tuberculosis, and that our hospital has been approved by the trustees of hospitals for tuberculosis.

The good work accomplished and the outlook for the coming year promise even greater results in the future, both from the standpoint of the work actually done, and the help rendered to the patients, and, last, but by no means least, the information and instruction, which is a great factor in the treatment of this disease, is being steadily pursued and given out, that those who are discharged from the hospital may know how to safeguard and care for others as well as themselves, and prevent, so far as is possible, the spread of tuberculosis in the city.

Indeed, the matter of the enlargement of the tuberculosis hospital will have to be considered in the near future, so great has the necessity become to admit more patients than can at present be accommodated.

### **Bacteriological Department.**

The work of this department was performed by Frank L. Morse, M. D., medical inspector of the board, whose report is appended to this report.

Specimens will be received at the laboratory at the city hall

daily, including Sunday, at any time, and they will be examined and reported upon the morning following their reception.

#### SPECIMENS AND ANTI-TOXIN.

Outfits for specimens for tuberculosis, diphtheria, and typhoid fever, and diphtheria anti-toxin and vaccine lymph may be obtained at the laboratory and at the following places:—

Adams Pharmacy, Willow and Highland avenues.  
 Claude Curtis, 154 Perkins street.  
 Bay State Pharmacy, 173 Washington street.  
 Edward E. Edwards, 25 Union square.  
 Fred W. Gay, 524 Somerville avenue.  
 John Morrison, Highland avenue, corner Cedar street.  
 Percy A. Hall, 2 Studio building, Davis square.  
 Henry W. Perry, 529 Medford street, Magoun square.  
 Eugene B. Carpenter, 10 Broadway.  
 Richardson Pharmacy, 310 Broadway.  
 George E. Wardrobe, 693 Broadway.  
 Willis S. Furbush & Co., 1153 Broadway.

After the specimen is collected, it must be taken to the culture station or sent directly to the laboratory at the city hall.

#### Undertakers.

Under the provisions of section 44 of chapter 78 of the revised laws of 1902, twenty-four persons have been duly licensed as undertakers.

#### Examiners of Plumbers.

The public statutes provide for a board of examiners of plumbers, consisting of a chairman of the board of health, the inspector of buildings, and an expert at plumbing, to be appointed by the board of health. This board appointed Duncan C. Greene, the inspector of plumbing, to fill the place of expert. The number of licenses granted will be found in the report of the inspector of buildings.

#### Financial Statement for 1911.

##### HEALTH DEPARTMENT.

##### CREDIT.

Appropriation . . . . .	\$6,400 00
Transferred from Excess and Deficiency . . . . .	2,000 00
Transferred from Interest account . . . . .	800 00
Receipts:—	
Fees received for permits . . . . .	141 00
Received from other departments . . . . .	21 50
Received from Jenney Mfg. Co. for barrels returned . . . . .	5 45
Sundry cities and towns and commonwealth of Massachusetts, for care of diseases dangerous to public health . . . . .	183 25
Total credit . . . . .	<hr/> \$9,551 20



DEBIT.	
Salaries . . . . .	\$3,726 03
Repairing vehicles . . . . .	50 55
Repairing harnesses . . . . .	10 95
Horseshoeing . . . . .	28 00
Books, stationery, printing, and postage . . . . .	300 96
Bacteriological laboratory . . . . .	48 28
Board of agent's horse . . . . .	311 50
Telephones . . . . .	108 52
Care of diseases dangerous to the public health (settled in Somerville) . . . . .	4,926 48
Incidentals . . . . .	218 50
	<hr/>
Total debit . . . . .	9,729 77
	<hr/>
Amount overdrawn . . . . .	\$178 57

### Refuse and Garbage Disposal.

CREDIT.	
Appropriation . . . . .	\$50,000 00
Transferred from Interest account . . . . .	18,000 00
Transferred from Overlay and Abatement . . . . .	1,725 00
Sale of offal . . . . .	9,505 90
Sale of manure . . . . .	50 00
Use of incinerator . . . . .	483 55
	<hr/>
Total credit . . . . .	\$79,764 45
DEBIT.	
Salary of superintendent . . . . .	\$1,400 00
Collecting refuse . . . . .	43,448 28
Collecting garbage . . . . .	19,382 53
Burying dead animals . . . . .	98 25
Stable expenses . . . . .	3,007 95
Four new pungs . . . . .	300 00
One new dump cart . . . . .	250 00
Repairing wagons . . . . .	538 76
Tools and repairing the same . . . . .	128 86
Harnesses and repairing the same . . . . .	391 75
Five new horses . . . . .	1,490 00
Horse doctoring . . . . .	217 50
Board of superintendent's horse . . . . .	289 11
Horseshoeing . . . . .	879 39
Hay and grain . . . . .	6,754 93
Incidentals . . . . .	251 06
	<hr/>
Total debit . . . . .	\$79,128 37
	<hr/>
Amount unexpended . . . . .	\$636 08

### Inspection of Animals and Provisions.

CREDIT.	
Appropriation . . . . .	\$1,225 00
DEBIT.	
Salary of inspector of animals and provisions . . . . .	\$1,200 00
Sundry expenses . . . . .	34 03
	<hr/>
Total debit . . . . .	\$1,234 03
	<hr/>
Amount overdrawn . . . . .	\$9 03

**Inspection of Milk and Vinegar.**

CREDIT.	
Appropriation . . . . .	\$1,000 00
License fees . . . . .	287 50
Analytical work . . . . .	264 00
	<hr/>
Total credit . . . . .	\$1,551 50
DEBIT.	
Salary of inspector of milk and vinegar . . . . .	\$1,200 00
Office expenses . . . . .	150 69
Maintenance of inspector's auto . . . . .	137 30
	<hr/>
Total debit . . . . .	\$1,487 99
	<hr/>
Amount unexpended . . . . .	\$63 51

**Inspection of School Children.**

CREDIT.	
Appropriation . . . . .	\$1,550 00
DEBIT.	
Salaries of inspectors . . . . .	\$1,500 00
Somerville Journal Co., printing . . . . .	8 00
	<hr/>
Total debit . . . . .	\$1,508 00
	<hr/>
Balance unexpended . . . . .	\$42 00

**Contagious Hospital Account.**

CREDIT.	
Appropriation . . . . .	\$1,000 00
Transferred from Excess and Deficiency . . . . .	3,000 00
Transferred from Interest account . . . . .	2,000 00
Transferred from Overlay and Abatement . . . . .	850 00
Received from sundry persons, cities and towns, and commonwealth of Massachusetts . . . . .	3,751 52
	<hr/>
Total credit . . . . .	\$10,601 52
DEBIT.	
Salaries of employees . . . . .	\$4,898 59
Supplies . . . . .	1,111 03
Groceries and provisions . . . . .	3,784 82
Incidentals . . . . .	463 83
	<hr/>
Total debit . . . . .	\$10,258 27
	<hr/>
Amount unexpended . . . . .	\$343 25

**Tuberculosis Hospital.**

CREDIT.	
Appropriation . . . . .	\$1,000 00
Transferred from Excess and Deficiency . . . . .	611 63
Transferred from Interest account . . . . .	200 00
	<hr/>
Amount carried forward . . . . .	\$1,811 63

Amount brought forward . . . . .	\$1,811 63	
Received from sundry persons, cities and towns, and commonwealth of Massachusetts . . . . .	1,057 21	
	<hr/>	
Total credit . . . . .		\$2,868 84
	DEBIT.	
Salaries of employees . . . . .	\$1,828 42	
Supplies . . . . .	781 69	
Incidentals . . . . .	43 65	
	<hr/>	
Total debit . . . . .		\$2,653 76
		<hr/>
Balance unexpended . . . . .		\$215 08

**RECAPITULATION.****Appropriations Unexpended.**

Refuse and Garbage Disposal . . . . .	\$636 08	
Inspection of Milk and Vinegar . . . . .	63 51	
Inspection of School Children . . . . .	42 00	
Contagious Hospital . . . . .	343 25	
Tuberculosis Hospital . . . . .	215 08	
	<hr/>	
Total unexpended . . . . .		\$1,299 92

**Appropriations Overdrawn.**

Health Department . . . . .	\$178 57	
Inspection of Animals and Provisions . . . . .	9 03	
	<hr/>	
Total overdrawn . . . . .		\$187 60
		<hr/>
Net amount unexpended . . . . .		\$1,112 32

WESLEY T. LEE, M. D., Chairman,  
 JACKSON CALDWELL,  
 WILLIAM P. FRENCH,

Board of Health.

## REPORT OF THE MEDICAL INSPECTOR.

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Somerville, January 10, 1912.

To the Board of Health of the City of Somerville:—

Gentlemen,—I herewith present the report of the medical inspector for the year 1911, including the statistics of the contagious disease hospital and the bacteriological laboratory.

**Scarlet Fever.** During the year 109 cases of this disease were reported in the city, a decrease of 225 in number over the previous year. Every case has been inspected, before the house was fumigated, and ninety-two visits were made at residences to determine when desquamation was complete.

**Diphtheria.** During the year 183 cases of diphtheria have been reported in the city, a decrease from the previous year, when 226 cases were reported. The same restrictions are placed upon all cases, and before patients are released from quarantine two successive negative cultures must be obtained. It is optional with the attending physician to take the first culture, but the second must be taken by the medical inspector, and during the year 205 visits were made at houses for this purpose.

**Typhoid Fever.** During the year forty-three cases of this disease were reported, a decrease of fourteen cases from the previous year.

**Tuberculosis.** One hundred and fifty-four cases of tuberculosis were reported during the year, an increase of five over the year previous. In November, 1906, following a conference with the overseers of the poor, these cases, which had been previously cared for medically by the city physician, were transferred to the board of health and the medical inspector instructed to care for them. During 1911 such cases have been transferred to the new tuberculosis hospital for treatment.

### **Contagious Disease Hospital.**

In September, 1906, following a change in the city charter, the city physician, who, up to this time, had treated the cases at the hospital, was relieved of this duty, and the care of the patients transferred to the medical inspector on October 1. During 1911 this arrangement has continued, 342 visits having been made at the hospital during the year.

**Scarlet Fever.** During the year forty-two cases of scarlet fever were admitted, two of which proved fatal. Fourteen of these cases were among males, and twenty-eight among females. Nine were under five years of age, seventeen from five to ten years, and the remainder were over ten years. Vomiting was a constant symptom, it occurring in twenty-five cases, and a sore throat in twenty-three cases. In seven cases the rash occurred on the first day of the illness, in nineteen cases on the



second day, and in four instances on the third day. There was membrane present on the tonsils in thirteen cases; in twelve cases the disease was complicated with nephritis; in six cases with rheumatism, in two cases with discharging ears, in ten with enlarged cervical glands, and in addition four had diphtheria. The average stay in the hospital was thirty-nine days.

Another patient was admitted with scarlet fever, and after admission showed an eruption of varicella, she being promptly isolated. The patient in the next crib, however, had the disease fourteen days later.

Four other patients were attended by their own physicians.

**Diphtheria.** During the year eighty-six cases of diphtheria were admitted, nine of which proved fatal. Of these patients, thirty-seven were among males and forty-nine among females. Twenty-six were under five years of age; thirty-one were from five to ten, and the remainder were over ten. Two entered the hospital on the first day of their illness, and all recovered. Forty-two entered the second day of the illness, and one died; eighteen on the third day, with one death; ten on the fourth day, with two deaths; four on the fifth day, with two deaths; one on the sixth day, recovering; two on the seventh day, with two deaths; and one on the tenth day, with one death. The importance of early treatment with anti-toxin is thus very obvious. Of the laryngeal cases seven came to intubation, four of whom recovered. In twenty-seven patients the membrane extended over both tonsils, uvula and palate, three of whom died from systemic infection involving both the heart and kidneys. The throat was clear of membrane in eleven cases on the second day, in eighteen cases on the third, in eleven cases on the fourth, in four cases on the fifth, in seven on the sixth, in four on the seventh, in one on the eighth, in two on the ninth, one on the tenth, and one on the eleventh. In forty-nine patients eruptions appeared on the body due to the use of the anti-toxin, and in three patients joint pains occurred from the same cause. The average stay in the hospital was nineteen days. Of the nine deaths during the year, three died within twenty-four hours of admission and were hopeless at that time, and were complicated with cardiac paralysis. One case was complicated with measles two days after admission and died. Three cases of varicella were discovered when the patients were admitted, and two cases of scarlet fever developed among patients. Two cases were attended by their own physicians.

#### **Tuberculosis.**

In March the tuberculosis hospital, accommodating eighteen patients, was completed by the building commissioner and transferred to the board, the first patient being admitted March 8. During the remainder of the year eighty-five patients ill with this disease have been admitted, and twice dur-

ing this period the hospital has reached its normal capacity, which indicates its well-founded need.

Many of these patients were in the advanced stage of the disease, thus removing from the patients' homes the danger of infection of the members of the family. Twenty-one deaths have been recorded.

Other patients have been discharged with the disease arrested, and others have been transferred to the state hospitals for treatment. The need of this department will be more marked during the coming year, and recommendations should be made to provide for its enlargement.

Eleven other patients have been admitted during the year as follows: Four cases of measles, one of whooping cough, one of erysipelas, one of varicella, one of pneumonia, one of head cold, one of appendicitis accompanied by measles, and one of smallpox, the two latter proving fatal.

DISEASE.	Admission by Months.												Total admitted.	Discharged.	Died.	Remaining January 1, 1912.	
	Remaining January 1, 1911.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.					December.
Scarlet fever . . . .	4	6	5	5	3	4	2	..	..	7	2	6	2	42	37	2	7
Diphtheria . . . .	5	10	10	7	11	9	9	2	4	2	10	8	4	86	77	9	5
Tuberculosis . . . .	..	..	..	14	2	13	10	7	7	8	7	7	10	85	50	21	14
Totals . . . .	9	16	15	26	16	26	21	9	11	17	19	21	16	213	164	32	26

Patients Treated at the Contagious Hospital.

**Bacteriological Department.**

During the year 1911 887 examinations were made of cultures for the diphtheria organism, 212 examinations made of sputum from patients suspected of having tuberculosis, and 100 examinations to detect the Widal reaction in typhoid fever.

**Diphtheria.** Eight hundred and eighty-seven cultures have been examined for diphtheria, 458 being in males, and 429 in females. Diphtheria being a disease of children, 367 of these examinations have been made in children under five years of age, 198 in those from five to ten years of age, 157 from ten to twenty, and 162 in adults over twenty years. In three cases the age of the patient was not stated. Three hundred and seventy-two examinations were made for the diagnosis of the case, fifty-three proving positive and 319 negative. Of the positive results, twenty-four were of cases in which the attending physician's diagnosis of diphtheria was confirmed, ten in which the clinical diagnosis was not diphtheria, and nineteen in which no definite diagnosis was made. Of the 319 negative examinations, thirty were obtained in which the clinical diagnosis was diphtheria, 116 in which the diagnosis was not diphtheria, and 172 in which no diagnosis had been made.

Five hundred and fifteen cultures were taken for release of patients from quarantine, 124 of which were positive and 391 negative. The importance of taking release cultures is demonstrated by these figures, these patients showing the presence of the bacilli in the throat after the clinical evidence of the disease had disappeared. In one examination there was no growth upon the serum tube.

**Tuberculosis.** Two hundred and twelve examinations have been made of sputum suspected of containing the tubercle bacillus, fifty of which were positive and 162 negative. In seventy-seven cases a definite diagnosis of this disease had been made by the attending physician, but in forty-five of them the organism could not be detected. In the remainder of the cases, sixty-five were stated as not showing evidence of the disease, seven being positive, and in seventy cases no statements were made giving information as to its character, fourteen of which were positive. Ninety-three were males and 119 females. Although printed directions accompany each outfit, telling how the specimen should be obtained, it has not been unusual for specimens to be sent to the laboratory containing only saliva from the mouth, with no excretion from the lungs or bronchial tubes. Physicians should be urged to give definite instructions to each patient, relating to the collection of the sputum, for in some instances a negative report would mislead both physician and patient. Consumption to-day is recognized as an infectious disease, and all persons afflicted with it should be instructed in the modern methods for preventing its



spread. In some cases this is not done by the attending physician, and during the past eight years your board has required that this disease be reported to you, as other infectious diseases are, and that printed instructions and advice be sent to each patient ill with the disease. The decrease in the death rate of consumption, and the cure of persons afflicted with it, is due to the improved and intelligent manner with which cases are treated, and the prevention of further spread of the disease is a subject which is of importance to all local boards of health.

**Typhoid Fever.** One hundred examinations of the blood of patients suspected of having typhoid fever have been made, twenty-nine of which proved positive. In thirty-four cases a positive diagnosis of this disease had been made by the attending physician, in seven cases it was stated not to be typhoid fever, and in the remainder no statement was made relating to the diagnosis. Of the negative results, ten were diagnosed as typhoid, seven were said not to be typhoid, and in fifty-four no diagnosis was made. Fifty-eight were males and forty-two females.

**Summary for Nine Years, 1903, 1904, 1905, 1906, 1907, 1908, 1909, 1910, 1911.**

**Diphtheria Cultures.**

	No. Examined.	Males	Females	0-5	5-10	10-20	Over 20	Age not stated	No growth
1903	817	387	430	282	199	125	185	26	5
1904	1,429	629	800	537	400	231	261	34	29
1905	792	346	446	204	260	139	170	19	4
1906	968	407	561	282	370	158	152	6	6
1907	971	423	548	224	346	185	210	6	3
1908	1,293	542	751	278	421	238	150	6	3
1909	1,537	694	843	375	657	206	284	15	9
1910	1,062	448	614	341	247	235	222	17	6
1911	887	459	429	367	198	157	162	3	1

	For Diagnosis	Clinical Diagnosis Positive	Diph. Negative	Clin. Diag. Positive	not Diph. Negative	Clin. Diag. Positive	not stated Negative
1903	360	56	35	11	122	27	109
1904	406	72	37	11	96	59	131
1905	263	15	23	10	76	36	103
1906	419	55	60	14	130	47	107
1907	462	45	34	10	104	52	217
1908	524	57	48	14	96	92	217
1909	637	54	28	18	121	117	299
1910	540	24	31	14	144	52	275
1911	372	24	30	10	116	19	172

	For Release	
	Positive	Negative
1903	95	362
1904	233	761
1905	139	386
1906	85	464
1907	98	408
1908	136	630
1909	165	726
1910	75	447
1911	124	391



**Sputum for Tuberculosis.**

	No. Examined	Males	Females	Tuberculosis		Clin. Diag. Tuberculosis	
				Positive	Negative	Positive	Negative
1903	137	66	71	26	111	15	21
1904	124	54	70	28	96	14	29
1905	162	69	93	22	140	11	38
1906	175	95	80	9	166	7	44
1907	227	100	127	7	220	4	79
1908	173	84	89	14	159	9	59
1909	192	100	92	14	178	10	69
1910	185	88	97	36	149	18	46
1911	212	93	119	50	162	32	45

	Clinical Diagnosis not stated		Tuberculosis		Clinical Diagnosis not stated	
	Positive	Negative	Positive	Negative	Positive	Negative
1903			9	61	2	29
1904			11	43	3	24
1905			5	59	6	43
1906			1	85	1	37
1907			2	84	1	57
1908			3	63	2	43
1909			3	65	1	44
1910			12	73	6	30
1911			7	58	14	56

**Blood for Typhoid Fever.**

	No. Examined	Males	Females	Typhoid Fever		Clin. Diag. Typhoid Fever	
				Positive	Negative	Positive	Negative
1903	72	39	33	27	45	18	7
1904	76	53	23	32	44	18	4
1905	78	45	33	26	50	11	1
1906	94	57	37	24	70	14	15
1907	110	58	52	45	65	25	10
1908	110	59	51	31	79	20	14
1909	150	89	61	52	98	33	24
1910	120	65	55	24	96	18	18
1911	100	58	42	29	71	24	10

	Clin. Diag. not stated		Typhoid Fever		Clin. Diag. not stated	
	Positive	Negative	Positive	Negative	Positive	Negative
1903			2	6	7	32
1904			0	6	14	34
1905			1	5	14	44
1906			0	8	10	47
1907			0	3	20	52
1908			0	6	11	59
1909			0	5	19	69
1910			0	5	6	73
1911			0	7	5	54

Respectfully submitted,

FRANK L. MORSE,

Medical Inspector.

## REPORT OF INSPECTOR OF ANIMALS AND PROVISIONS.

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OFFICE OF THE BOARD OF HEALTH, CITY HALL, }  
Somerville, Mass., January 1, 1912. }

To the Board of Health of the City of Somerville:—

Gentlemen,—I herewith submit the report of the inspector of animals and provisions for the year 1911. The following is a statement of the number of animals killed during the year at the five slaughtering establishments in the city:—

Swine, 1,147,894; sheep, 423,535; calves, 64,268; cattle, 25,753.

The work of all these establishments, being under the inspection of the United States government, requires only the inspection of the premises by the local inspector, who reports very favorably on the same. Somerville is one of the largest quarantine stations for the export of animals in the United States, the number exported last year being: Cattle, 24,032; sheep, 6,180.

The total number of neat cattle kept in the city is 212; swine, 142; cows, sixty-seven; and goats, three, all of which have been inspected by me during the year. Under Chapter 381 of the Acts of 1911, all stables where neat cattle are kept have been visited several times this year, and all are now in good sanitary condition. All dairy rooms have also been visited with Mr. Bowman, the milk inspector, and all doors and windows have been screened, the premises cleaned and white-washed, and the ventilation improved. All of the factories, workshops, and laundries have been visited several times during the year, first-aid medicine chests installed, and proper sanitary conditions insisted upon in cases where needed. All stables have been visited and the owners required to disinfect and otherwise clean them as needed. There have been 2,978 horses examined in stables to determine the existence of contagious diseases. Forty-seven were quarantined, and of this number forty-one were killed and six released.

All of the blacksmith shops of the city have been disinfected to prevent the prevalence of contagious diseases. Four hundred and fifty-six visits have been made to the ninety-eight barber shops and 592 visits to the ninety bakeries in the city, all of which will now be found in good condition.

There have been 2,961 visits made to stores and markets, and 1,069 pedlers' carts have been inspected from which fish, provisions, and produce were sold. The following articles have been condemned and destroyed:—

**Meats.**

Fresh beef, 1,834 pounds; corned beef, 2,425 pounds; poultry, 3,577 pounds; mutton, 995 pounds; liver, 184 pounds; pork, 578 pounds; swine, whole, 23; sausage, 124 pounds; pigs' feet, 174 pounds; tripe, 325 pounds; veal, 111 pounds; lard, 40 pounds.

**Fish.**

Clams, 4½ gallons; haddock, 783 pounds; halibut, 430 pounds; herring, whole, 368; mackerel, whole, 50; oysters, 7½ gallons; lobsters, 22 pounds; pollock, 248 pounds; salmon, 48 pounds.

**Fruit and Vegetables.**

Apples, 12 bushels; asparagus, 374 bunches; bananas, 73 dozen; blueberries, 32 quarts; green beans, 14 baskets; beets, 3½ bushels; cabbage, 1½ barrels; cantaloupes, 70 crates; carrots, 2½ bushels; celery, 93 bunches; currants, 20 pounds; dates, 10 pounds; grapes, 12 pounds; grape fruit, 4 crates; greens, 60 bushels; lemons, 1 box; lettuce, 3 boxes; onions, 6½ bushels; oranges, 12 boxes; parsnips, 1 bushel; green peas, 3 bushels; white potatoes, 31 bushels; rhubarb, 585 pounds; sweet potatoes, 3 barrels; raisins, 25 pounds; radishes, 2 bushels; squash, 771 pounds; strawberries, 14 crates; tomatoes, 37 crates; turnips, 54 bushels.

**Miscellaneous.**

Bread, 54 loaves; cake, 15 loaves; canned goods, 85 packages; crackers, 170 packages; cereals, 826 packages; butter, 60 pounds; cheese, 15 pounds; eggs, 30 dozen; corn meal, 100 pounds; flour, 165 bags, 24½ pounds each; honey, 10 pounds; pickles, 22 gallons; salt, 300 pounds; sugar, 230 pounds; spices, 55 pounds; tea, 30 pounds; coffee, 60 pounds.

I have performed other duties as required by your board.

Respectfully submitted,

CHARLES M. BERRY,

Inspector of Animals and Provisions.

## REPORT OF THE INSPECTOR OF MILK AND VINEGAR.

OFFICE OF THE INSPECTOR OF MILK AND VINEGAR, }  
City Hall, January 1, 1912. }

To the Board of Health of the City of Somerville:—

Gentlemen,—I herewith present my annual report for the year ending December 31, 1911.

On the page following, table A shows partially the work accomplished by this department during 1911. Early in the year a regulation in regard to the washing of all milk containers was approved by the board of health and became operative as Section No. 19 of the Milk Rules and Regulations adopted in 1910. The regulation is as follows:—

Section 19. All persons engaged in the sale of milk, cream, skim-milk or buttermilk having the possession or custody of a bottle, can or other receptacle used in the sale, delivery or transportation of milk, cream, skimmed milk or buttermilk, shall cause every such bottle, can or receptacle to be cleaned immediately after the same has been emptied, and no such person shall deliver, receive or have in his possession or custody any such bottle, can or receptacle so used which has not been cleaned as aforesaid.

Copies of this regulation were printed on heavy cardboard, and with the assistance of the agent of the board and the inspector of animals and provisions a copy was posted in each store where milk is sold. In addition, several thousand small cards were printed and distributed to the milk peddlers to be handed to the consumer.

With the assistance of Dr. Charles M. Berry, agent of the cattle bureau, screens have been installed in each milk stable in this city. In all cases where bacteriological, chemical, or sanitary notices have been sent out, subsequent inspections have been made to see that the improvements were permanent.

During the year thirty-seven dealers have discontinued selling milk and eighty-three stores have changed owners.

At the present time one-sixth of the dealers in Somerville sell bottled milk, which is about double the number selling in bottles at the beginning of 1911, the remainder selling loose milk, i. e., from dip tanks or cans.

Dealers who were found selling loose milk not of good standard quality were advised to discontinue this unsanitary and dangerous method and to sell milk in sealed bottles only.

Twenty-seven dealers did so, and without exception had no further trouble.

The dealer should be particular to carry both quarts and pints. When a quart bottle is opened and part sold, the same danger exists from contamination and careless mixing as when loose milk is sold.

It would greatly assist this department if consumers would refuse to purchase milk from dealers who handle it in any other manner.



TABLE A.—SHOWING WORK ACCOMPLISHED DURING 1911.

Months.	License Issued.	License Fees.	Analytical Fees.	Cash paid City Treas.	Analyses on Account.	Total Income for Dept.	Chemical Collections.	Bact. Collections.	Total Collections.	Samples left at Office.	Total Analyses.	Chem. Notices.	Bact. Notices.	Sanitary Notices.	Total Notices.
January	8	\$4.00	\$10.00	\$14.00	\$9.00	\$23.00	110	104	214	38	252	11	7	7	25
February	14	7.00	6.00	13.00	5.50	18.50	71	127	198	23	221	8	12	8	28
March	16	8.00	9.50	17.50	18.50	36.00	74	129	203	56	259	4	12	5	21
April	14	7.00	6.50	13.50	7.00	20.50	94	108	202	23	223	10	14	6	30
May	331	165.50	12.00	177.50	32.50	210.00	57	95	152	89	241	4	2	6	12
June	110	55.00	11.00	66.00	19.00	85.00	84	60	144	60	204	18	2	10	30
July and Aug.	29	14.50	19.50	34.00	26.50	60.50	114	141	255	131	386	4	6	49	59
September	15	7.50	.....	7.50	17.50	25.50	88	60	148	35	183	20	2	8	30
Oct. and Nov.	32	16.00	4.00	20.00	29.00	49.00	136	120	256	66	322	13	4	12	29
December	6	3.00	5.00	8.00	17.50	25.50	88	80	168	35	203	6	1	12	19
Total	575	\$287.50	\$83.50	\$371.00	\$182.00	\$553.00	916	1,024	1,940	556	2,494	98	62	123	283

During the year 25 samples, including milk, butter, and vinegar, were analyzed without charge.

### Infant Mortality.

The infant mortality of Somerville is low when compared with cities of equal size. The claim has been made that nine-tenths of the deaths from enteric diseases are caused by dirty milk. This is not true in Somerville.

During the months of July, August, and September there were twenty-six deaths in Somerville of children under eighteen months of age from digestive troubles. Of this number, only two were fed on cow's milk, previous to receiving medical treatment, one was breast-fed and the balance had been fed on proprietary foods, condensed milk, crackers, cereals, potatoes, etc.

These deaths were of course due to improper feeding, but only a very small percentage could be traced to fresh cow's milk.

### Quality.

The quality of the milk sold in large cities like our own has for the past few years been steadily improving, and has never been so good as at the present time. We are able to select from the different grades milk to meet all requirements. The price varies from nine cents to sixteen cents per quart; the better the milk and the more sanitary the handling, the higher the price. When the consumer realizes that cheap milk is the most expensive, because the most dangerous, that clean, fresh milk is worth all it costs, and that he gets several times the amount of nutriment that he can in any other article of food for the same money, then there will be a demand which will be promptly filled; in other words, we have at present the supply of clean, fresh milk, but not the demand on account of a few cents extra cost.

### Dealers.

I wish to call the attention of the milkmen to the fact that in many cases the bottles are not subjected to a sufficiently high temperature to kill bacteria if it is present.

In taking the temperature of the water used in bottle washing, I find both the soapy and the rinse water to be between 90 and 100 degrees Fahrenheit. This is not high enough. Pathogenic bacteria are not killed at a temperature under 145 degrees Fahrenheit. If bottles are contaminated with infectious material and pollute the wash water, any number of bottles may become infected, and an epidemic started in this manner. This danger may be overcome by having the last water at least 145 degrees Fahrenheit and keeping the bottles in it for twenty minutes. If the temperature is higher they will require less time.

### **Bacteriology.**

During the year 1,024 samples were examined bacteriologically. Many of these samples were plated with Agar and counts taken, and all were examined microscopically. In many cases where the samples were found to be contaminated, investigations were carried on to determine the type of bacteria causing the trouble. Where it was impossible to accomplish this result, the dairy supplying the milk was subjected to a rigid inspection.

During the winter considerable trouble has been experienced from frozen milk, and the death of several infants has been laid to this cause, whether with good reason or not remains to be proven, however, extreme temperatures should be avoided in handling such a perishable article of food, and when frozen milk is received great care should be exercised in thawing. There are certain organisms which increase at extremely low temperatures. If more care had been exercised to prevent the milk freezing on the wagons, some of this trouble might have been avoided.

Most of the difficulty found by this department is due to careless handling, and very little from direct contamination from infected animals. Carelessness at the farm, in transportation, by the milk distributor, and last, but by no means least, the consumer are some of the causes.

While it is the place of the municipality to see that the public obtain PURE, CLEAN MILK, it is the consumer's place to see that it is kept CLEAN.

The records of this department are open to the public, and any information required can be readily obtained by applying at this office.

### **Condensed Milk.**

Owing to the increasing popularity of this article of food, it is fitting that a word should be said in regard to its purity and chemical contents. When diluted as directed by the label, condensed milk is supposed to represent cow's milk of good standard quality and to be practically free from bacteria. Professor James O. Jordan and Dr. Mott, of the Boston board of health, carried on some extensive experiments which were very enlightening.

Samples were purchased in the open market, diluted with sterile water as per directions on label, and then analyzed both chemically and bacteriologically. Twenty-six samples were examined chemically, and only four proved to be above standard in butter fat and three in total solids, leaving twenty-two out of twenty-six examined of inferior quality chemically. These same samples contained from 900 to 10,000,000 bacteria per cubic centimetre (one-fourth teaspoonful) when examined bacteriologically at the same laboratory, and this in a product



supposed to be sterile and advertised as a perfect food for infants. Another point is the cost of this article per quart when prepared according to directions. By many it is supposed to be much cheaper than raw milk. From figures compiled by the same chemists, after diluting fifteen different brands in the proper proportion to make milk corresponding to the Massachusetts standard, it is shown that only one brand cost as low as nine cents per quart, which is the prevailing price at present for ordinary market milk. The samples examined ranged from nine to fifteen cents per quart, so it will be seen that, from an economical as well as a health point of view, it is a questionable practice to use this article as a food for infants.

#### **Oleomargarine.**

There are eight dealers licensed to sell butterine in Somerville until May 31, 1912.

#### **Vinegar.**

The standard of cider vinegar was reduced by the legislature of 1911, and stands at present as follows: Solids, 1.8 per cent.; acetic acid, 4.5 per cent. All the samples submitted to this department were of good standard quality.

Samples of milk not of good standard quality were obtained from the following dealers during 1911:—

- Josephine Wray, 57 Lawrence street, Somerville, Mass.
- A. Biller, 352 Lowell street, Somerville, Mass.
- David Grell, 504 Broadway, Somerville, Mass.
- Michael A. Mullen, 101 Washington street, Somerville, Mass.
- Sarah M. Sands, 161 Washington street, Somerville, Mass.
- Robert C. Ware, 676 Broadway, Somerville, Mass.
- Frank S. Cummings, 251 Elm street, Somerville, Mass.
- Ralph R. Kelly, 59 Washington street, Somerville, Mass.
- Joel S. Bacon, 268-B Broadway, Somerville, Mass.
- Papkee Brothers, Winchester street, Medford, Mass.
- Ida H. Riedell, 502 Medford street, Somerville, Mass.
- Frank I. Wilson, 198 Highland avenue, Somerville, Mass.
- J. G. Blackley, 257 Highland avenue, Somerville, Mass.
- B. Cohen, 318 Highland avenue, Somerville, Mass.
- W. Perlman, 92 Webster avenue, Somerville, Mass.
- B. F. Banks, 6 Gilman street, Somerville, Mass.
- Ida M. Daley, 148 Cross street, Somerville, Mass.
- Samuel Rigby, 362 Somerville avenue, Somerville, Mass.
- Carl E. Lyndell, 48 Holland street, Somerville, Mass.
- Helen F. Estes, 547 Somerville avenue, Somerville, Mass.
- Alfred L. Rogers, 23 Holland street, Somerville, Mass.
- J. F. McEvoy, 526 Somerville avenue, Somerville, Mass.
- Mary A. Atwater, 77 Summer street, Somerville, Mass.
- Annie Brennan, Summer street, Somerville, Mass.
- Margaret L. Hanley, 417 Somerville avenue, Somerville, Mass.
- John O'Shaughnessey, 67 Derby street, Somerville, Mass.
- Catharine McCarthy, 65 Grant street, Somerville, Mass.
- T. F. Ronayne, 37 Albion street, Somerville, Mass.
- Woodbury & Hager, 41 Sewall street, Somerville, Mass.



T. Noonan, 67 Hinckley street, Somerville, Mass.  
 Francis C. Brown, 44 Russell street, North Cambridge, Mass.  
 Isabelle Anderson, 3-A Beacon street, Somerville, Mass.  
 Nora F. Fewer, 68 Oak street, Somerville, Mass.  
 Patrick F. Toole, 25 Marion street, Somerville, Mass.  
 Elizabeth Mahoney, 1 Adrian street, Somerville, Mass.  
 Cambridge Baking Company, 289 Beacon street, Somerville, Mass.  
 Frank F. Shackford, 202 Washington street, Somerville, Mass.  
 Biller Brothers, 328 Beacon street, Somerville, Mass.  
 T. A. Dewire, 244 Beacon street, Somerville, Mass.  
 Stephen S. Shea, 307 Beacon street, Somerville, Mass.  
 Nora O'Brien, 211 Washington street, Somerville, Mass.  
 Fred W. Lock, 210 Washington street, Somerville, Mass.  
 H. P. Hood & Sons, Rutherford avenue, Charlestown, Mass.  
 Graustein & Co., Rutherford avenue, Charlestown, Mass.  
 D. Whiting & Co., Rutherford avenue, Charlestown, Mass.  
 J. W. Applin, 147 Glen street, Somerville, Mass.  
 C. L. Libby, 183-A Pearl street, Somerville, Mass.  
 F. S. Barnard, 11 Cutter avenue, Somerville, Mass.  
 C. A. Bent, 9 Endicott avenue, Somerville, Mass.  
 F. E. Giles, 341 Summer street, Somerville, Mass.  
 Fred Smith, Derby street, Somerville, Mass.  
 F. E. Edgerly, 17 Veazie street, Somerville, Mass.  
 W. F. Webb, 11 Highland road, Somerville, Mass.  
 John L. Pichett, 48 Broadway, Arlington, Mass.  
 Rudolph H. Koehler, 298 Broadway, Somerville, Mass.  
 Nathan Schwartz, 50 Cross street, Somerville, Mass.  
 George W. Clark, 140 Broadway, Somerville, Mass.  
 Samuel Leftman, 28 Webster street, Somerville, Mass.  
 Walter S. Blewett, 74½ Cross street, Somerville, Mass.  
 Bedford Creamery, 75 Cross street, Somerville, Mass.  
 Sarah N. Hall, 1328 Broadway, Somerville, Mass.  
 Terrance J. Owens, 1344 Broadway, Somerville, Mass.  
 A. P. Chase & Co., 1248 Broadway, Somerville, Mass.  
 A. W. Cummings, 11 Cutter avenue, Somerville, Mass.  
 Thomas Aldham, 484 Medford street, Somerville, Mass.  
 Mary A. King, 366 Medford street, Somerville, Mass.  
 D. L. Webb, 527 Medford street, Somerville, Mass.  
 Herbert C. Proverbs, 296-A Pearl street, Somerville, Mass.  
 H. G. Applin, 213 Pearl street, Somerville, Mass.  
 Charles E. Miller, 237 Pearl street, Somerville, Mass.  
 Theresa M. Farrell, 177-A Pearl street, Somerville, Mass.  
 Margaret Gurvin, 6 Wilson avenue, Somerville, Mass.  
 John W. Richards, 729 Broadway, Somerville, Mass.  
 Annie Von Sneiden, 376-A Highland avenue, Somerville, Mass.  
 Alexander Stewart, 15 Union square, Somerville, Mass.  
 Harry S. Campbell, 60 Union square, Somerville, Mass.  
 Rose Baume, 362 Somerville avenue, Somerville, Mass.  
 John Kee, 382 Somerville avenue, Somerville, Mass.  
 Rinn & Finn, Union square, Somerville, Mass.  
 Alfred P. Girard, 4 Highland avenue, Somerville, Mass.  
 J. L. Brown & Sons, 138 Willow avenue, Somerville, Mass.  
 Charles A. Fuchs, 71 Concord avenue, Somerville, Mass.  
 William E. O'Brien, 66 Prospect street, Somerville, Mass.  
 Salome Finlay, 1298 Broadway, Somerville, Mass.  
 D. A. Page, 410-B Somerville avenue, Somerville, Mass.  
 George W. Wood, 92 School street, Somerville, Mass.  
 J. R. F. Hanson, 29 Summer street, Somerville, Mass.  
 Oscar J. Lingley, 65 Avon street, Somerville, Mass.

William F. Waite, 11 Bowers avenue, Somerville, Mass.  
Surabian Brothers, 208 Elm street, Somerville, Mass.  
Walter S. Blewett, 5 Davis square, Somerville, Mass.

**Appreciation.**

I wish to express my appreciation to the members of the health department and others who have cheerfully co-operated with me in the carrying on of my work, and also to the Somerville press, who have kindly given me space to express my views on the milk question.

Respectfully submitted,

HERBERT E. BOWMAN,  
Inspector of Milk and Vinegar.

## **SUPPORT OF POOR DEPARTMENT,**

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### **Board of Overseers of the Poor.**

EDWARD B. WEST, President.  
ALBERT W. EDMANDS, Vice-President.  
HENRY F. CURTIS, M. D.

### **Committees.**

ON FINANCE, INVESTIGATION AND RELIEF, AND CITY HOME—Mr. West,  
Mr. Edmands and Dr. Curtis.

### **Secretary.**

CORA F. LEWIS.

### **General Agent.**

CHARLES C. FOLSOM.

### **City Physician.**

C. CLARKE TOWLE, M. D.

### **Warden and Matron, City Home.**

Mr. and Mrs. J. FOSTER COLQUHOUN.

### **Office.**

City Hall Annex, Highland Avenue.

## REPORT OF OVERSEERS OF THE POOR.

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Somerville, Mass., December 31, 1911.

To His Honor, the Mayor, and the Board of Aldermen of the City of Somerville:—

Gentlemen,—In accordance with our usual custom and the requirements of the city ordinance, we beg herewith to submit our annual report for the year 1911, containing the report of the general agent for the miscellaneous account and that of the warden of the city home, showing receipts and expenditures. The much-needed addition to the city home, providing proper accommodations for our temporarily sick or disabled, is now in process of construction, and we would extend our thanks to his honor, the mayor, and the board of aldermen for their generous appropriation.

Beyond ordinary repairs, there seems little need for additional expense at the home this year.

We recognize and are glad to testify to the careful and economical management of the different departments. After twenty-three years of able and most conscientious service, seventeen years as its president, E. B. West retires from our board. For these many years of most faithful service our city is certainly under much obligation. Other members of this board and those in this department feel that they voice the feeling of our city in extending to him our most hearty thanks, to which we would add our feeling of personal appreciation and regard.

Very respectfully,

E. B. WEST,  
A. W. EDMANDS,  
H. F. CURTIS, } *Overseers  
of the  
Poor.*



## REPORT OF GENERAL AGENT.

---

Somerville, Mass., December 31, 1911.

To the Board of Overseers of the Poor, Somerville, Mass.:—

Gentlemen,—As the board has kept in touch with the work of the department during the year, there is nothing remarkable to report at this time. We have expended during the year \$24,169.59 in both accounts, or \$363.28 more than in 1910.

We have expended in the miscellaneous department for the benefit of poor families as follows: Food, \$4,705.25; fuel, \$573.48; medicine, \$245.26; the board of sundry persons in private families, \$1,018.98; burials, \$143; paid other towns and cities the sum of \$2,689.45; cash paid out,—mostly in emergency cases,—\$160.34; paid Massachusetts Hospital School, for care, treatment, and schooling of two boys, the sum of \$326.28. The two accounts, City Home and Miscellaneous, closed the year with a balance of \$70.34. An out of town bill is left unpaid, amounting to \$500. Another matter is unsettled which may call for nearly as much more, so I think it would be well to ask for at least \$1,000 more in 1912 than we had in 1911.

As usual, a large majority of the families whom we are aiding are composed of widows and small children. Frequently we are called upon to help a family when the husband has deserted, and sometimes when the man is out of work. If he happens to be a man along in years he is generally willing to do some work for the aid given for his family, but if a young man he is apt to object, and sometimes refuses. In such cases it will hardly do to let the family suffer, so we do the best we can in the case, and bring as much pressure to bear as possible for him to either work at the city farm or some other place to pay toward the support of the family. If there was some steady place for the wife to work to pay for what she receives, I think she would do so willingly in many cases, but she generally has all she can do at home.

On the whole, we have had a very busy year. The settlement of all hospital cases has to be looked up; notices sent, if they are not city cases; bills made, etc.; also the board of health cases all have to be passed upon unless they pay their own bills. This work is increasing to such an extent that we will be obliged, I think, to have extra help in the office a large part of the time.

Owing to an accident to Miss Lewis, who has been employed as secretary for many years, Miss Kenneson, a civil

service girl, took her place, and, although the secretary was able to resume her work after being absent about three months, yet it seemed necessary to retain Miss Kenneson, as there was plenty to do, especially as we have been revising our 8,000 histories and have them about half done at the close of the year.

The relations in the department have been very harmonious and pleasant, and I wish again at this time to thank all the members of the board for the pleasant relations that have existed.

Tables showing details are annexed.

Very respectfully,

C. C. FOLSOM,  
General Agent.

**Table No. 1.**  
**FULL SUPPORT (DURING THE YEAR).**

In city home (men 43, women 22)	65
In city home December 31, 1911 (men 24, women 12)	36
In private families	4
In Somerville hospital	246
In hospitals for the sick in other towns, cities, and state	68
In care of state division minor wards	3

**Table No. 2.**  
**PARTIAL SUPPORT (OUTDOOR RELIEF).**

Families	249
Persons aided (not including hospital cases)	870
Burials	11
Permits to state infirmary	13
Average expense to the city for each (ambulance for one, carriage for two)	\$1.74

**Table No. 3.**  
**REIMBURSEMENTS.**

Commonwealth of Massachusetts	\$1,030 62
City of Boston	562 05
"    " Cambridge	809 05
"    " Everett	39 36
"    " Fall River	14 29
"    " Malden	41 43
"    " Marlboro	7 30
"    " Medford	173 42
"    " New Bedford	10 66
"    " Northampton	40 79
"    " Newton	142 53
"    " Quincy	92 13
"    " Springfield	37 30
"    " Taunton	47 57
"    " Waltham	70 00
"    " Woburn	52 82
"    " Worcester	7 14
Town of Andover	7 14
"    " Arlington	6 00
"    " Brookline	2 50
"    " Burlington	78 20
"    " Hanover	34 00
"    " Leominster	30 73
"    " Lynnfield	45 71
"    " Rutland	42 86
"    " Saugus	40 35
"    " Walpole	62 86
"    " Watertown	41 46
"    " Weston	57 49
"    " Whitman	30 00
Soldiers' relief (for medicine)	30 55

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\$3,688 31

Table No. 4.

## SOMERVILLE HOSPITAL (PATIENTS ON CITY BEDS).

Patients having settlement in Somerville . . . . .	131
Patients having settlement in other cities and towns . . . . .	47
Patients having no settlement (chargeable to state) . . . . .	88
Total number of patients sent to hospital . . . . .	266
Money paid hospital by the city for patients settled in Somerville . . . . .	\$5,000 00
Amount reimbursed to the city and paid to the hospital for patients not settled in Somerville . . . . .	1,830 72
Total paid to the hospital . . . . .	<u>\$6,830 72</u>

Table No. 5.

## POPULATION AND GROSS EXPENDITURES, 1883 TO 1911, INCLUSIVE.

Year.	Population (Estimated).	Expenditures.
1883 . . . . .	27,000 . . . . .	\$15,959.80
1884 . . . . .	28,000 . . . . .	17,272.52
1885 . . . . .	*29,992 . . . . .	16,430.32
1886 . . . . .	32,000 . . . . .	14,341.83
1887 . . . . .	34,000 . . . . .	13,430.89
1888 . . . . .	36,000 . . . . .	13,375.98
1889 . . . . .	39,000 . . . . .	14,610.92
1890 . . . . .	*40,117 . . . . .	15,261.14
1891 . . . . .	43,000 . . . . .	15,980.49
1892 . . . . .	46,000 . . . . .	17,015.30
1893 . . . . .	48,000 . . . . .	17,799.58
1894 . . . . .	50,000 . . . . .	19,733.13
1895 . . . . .	*52,200 . . . . .	20,755.46
1896 . . . . .	54,000 . . . . .	21,999.79
1897 . . . . .	56,000 . . . . .	25,681.47
1898 . . . . .	57,500 . . . . .	28,522.21
1899 . . . . .	60,000 . . . . .	28,924.39
1900 . . . . .	*61,643 . . . . .	{ Miscellaneous, \$23,697.62 } { City Home, 5,528.83 } 29,226.45
1901 . . . . .	62,500 . . . . .	{ Miscellaneous, \$29,171.15 } { City Home, 6,622.43 } 35,793.58
1902 . . . . .	63,500 . . . . .	{ Miscellaneous, \$28,667.04 } { City Home, 7,396.64 } 36,063.68
1903 . . . . .	65,500 . . . . .	{ Miscellaneous, \$30,470.20 } { City Home, 7,548.39 } 38,018.59
1904 . . . . .	69,500 . . . . .	{ Miscellaneous, \$20,476.54 } { City Home, 6,563.11 } 27,039.65
1905 . . . . .	*69,272 . . . . .	{ Miscellaneous, \$17,527.88 } { City Home, 7,474.36 } 25,002.24
1906 . . . . .	72,000 . . . . .	{ Miscellaneous, \$18,237.53 } { City Home, 6,806.79 } 25,044.32
1907 . . . . .	74,000 . . . . .	{ Miscellaneous, \$17,852.20 } { City Home, 7,001.23 } 24,853.43
1908 . . . . .	75,500 . . . . .	{ Miscellaneous, \$17,955.34 } { City Home, 6,875.56 } 24,830.90
1909 . . . . .	75,500 . . . . .	{ Miscellaneous, \$16,843.17 } { City Home, 7,562.83 } 24,406.00
1910 . . . . .	*77,236 . . . . .	{ Miscellaneous, \$16,110.42 } { City Home, 7,695.89 } 23,806.31
1911 . . . . .	78,000 . . . . .	{ Miscellaneous, \$16,327.56 } { City Home, 7,842.03 } 24,169.59

\*Census.



### Overseers of the Poor of Somerville.

#### SINCE THE REORGANIZATION IN 1885.

†Hon. Mark F. Burns, chairman ex-officio . . . . .	1885		1888 inclusive
†Colonel Herbert E. Hill . . . . .	1885		1889 “
†Charles S. Lincoln, Esq., chairman . . . . .	1885		1887 “
Hon. Edward Glines . . . . .	1885		1887 “
†Charles G. Brett (president 1888-1892) . . . . .	1885	April	1893 “
Edward B. West (president May, 1894, to date) . . . . .	1888	to date*	“
†Daniel C. Stillson . . . . .	1888	April	1892 “
†Hon. Charles G. Pope, chairman ex-officio . . . . .	1889		1891 “
Nathan H. Reed (president 1893 to April, 1894) . . . . .	1890	April	1894 “
†Hon. William H. Hodgkins, chairman ex-officio . . . . .	1892		1895 “
James G. Hinckley . . . . .	May 1892		1894 “
Albert W. Edmands . . . . .	May 1893	to date*	“
Herbert E. Merrill . . . . .	May 1894		1909 “
†Ezra D. Souther . . . . .	1895	Feb.	1898 (Died)
Hon. Albion A. Perry, chairman ex-officio . . . . .	1896		1898 inclusive
James H. Butler . . . . .	March 1898		1899 “
Hon. George O. Proctor, chairman ex-officio . . . . .	1899		
Henry F. Curtis, M. D. . . . .	1910	to date*	“

\*Present member.

†Deceased.

**Table No. 7.**

#### RECAPITULATION (MISCELLANEOUS).

Appropriation . . . . .	\$12,500 00	
Reimbursements . . . . .	3,688 31	
	<hr/>	
Total receipts . . . . .		\$16,188 31
Total expenditures . . . . .		16,327 56
		<hr/>
Overdraw . . . . .		\$139 25
Net expenditures . . . . .		\$12,639 25

Table No. 6.

## EXPENDITURES, IN DETAIL, FOR THE YEAR 1911.

1911.	Medicine.	Board.	Groceries.	Somerville Poor in Other Cities and Towns.	Boots and Shoes.	Dry Goods.	Burials.	Salaries.	Fuel.	Sundries.	Cash Paid Out.	Telephone.	Stationery and Printing.	Somerville Hospital.	State Infirmary.	Nursing.	Mass. Hospital School.	Total.
January . .	\$22.05	\$141.95	\$650.25	\$391.02	\$11.75	. . .	\$35.00	\$351.33	\$137.40	\$5.00	\$21.05	\$20.57	. . .	. . .	. . .	. . .	. . .	\$1,787.37
February .	47.38	44.00	443.50	22.72	. . .	. . .	15.00	331.99	102.55	6.00	20.55	5.50	\$7.55	. . .	. . .	\$10.50	. . .	1,057.24
March . . .	12.81	117.67	415.00	79.85	. . .	. . .	. . .	352.66	93.89	. . .	15.75	6.32	. . .	\$400.00	. . .	5.25	. . .	1,499.20
April . . . .	9.98	91.79	460.50	. . .	. . .	. . .	20.00	297.33	3.23	9.00	14.29	17.20	4.00	. . .	. . .	7.50	. . .	934.82
May . . . .	18.45	47.65	399.50	656.25	. . .	. . .	35.00	298.83	1.73	4.00	18.30	9.50	. . .	266.66	\$149.31	. . .	. . .	1,905.18
June . . . .	35.73	98.99	320.00	114.28	10.50	. . .	. . .	355.66	. . .	1.00	16.96	7.93	13.90	133.33	. . .	3.25	. . .	1,111.53
July . . . .	16.30	83.41	416.00	654.89	. . .	. . .	8.00	357.16	. . .	.50	10.90	2.00	. . .	133.33	. . .	8.50	\$101.14	1,792.13
August . .	7.20	47.65	289.50	424.21	. . .	. . .	. . .	357.16	. . .	3.00	9.95	15.06	16.75	133.33	68.97	. . .	. . .	1,372.78
September	8.75	64.43	394.00	. . .	. . .	. . .	. . .	355.66	. . .	2.87	1.84	8.57	. . .	133.33	. . .	11.00	70.28	1,050.73
October . .	47.62	155.36	320.00	137.14	4.50	. . .	. . .	357.16	. . .	. . .	13.80	9.59	. . .	133.33	. . .	7.50	103.43	1,289.43
November .	18.99	62.93	358.00	43.38	. . .	. . .	30.00	355.66	174.98	4.90	8.85	8.74	6.83	133.33	. . .	3.75	. . .	1,210.34
December .	. . .	63.15	239.00	165.71	. . .	. . .	. . .	357.24	59.70	.90	8.10	. . .	7.50	364.08	. . .	. . .	51.43	1,316.81
Totals . .	\$245.26	\$1,018.98	\$4,705.25	\$2,689.45	\$26.75	. . .	\$143.00	\$4,127.84	\$573.48	\$37.17	\$160.34	\$110.98	\$56.53	\$1,830.72	\$218.28	\$57.25	\$326.28	\$16,327.56



## REPORT OF WARDEN OF CITY HOME.

City Home, January 1, 1912.

To the Overseers of the Poor, Somerville, Mass.:—

Gentlemen,—I submit the following as the report of the warden of the city home for the year ending December 31, 1911:—

**Table No. 1.**  
**REIMBURSEMENTS.**

Farm produce sold . . . . .	\$3,744 16	
Board of sundry persons . . . . .	1,298 88	
Waldo Brothers, overcharge . . . . .	8 58	
		\$5,051 62

**Table No. 2.**  
**LIVING EXPENSES.**

Salaries and wages . . . . .	\$2,932 31	
Groceries and provisions . . . . .	2,229 38	
Dry goods . . . . .	205 36	
Boots and shoes . . . . .	56 10	
Grain and hay . . . . .	790 39	
Seed . . . . .	60 31	
House furnishings . . . . .	124 60	
Kitchen furnishings . . . . .	54 08	
Sundries . . . . .	247 89	
Farm sundries . . . . .	146 27	
Cash paid by warden, car fares for warden, inmates, and laborers . . . . .	-67 35	
Medicine . . . . .	86 52	
Shoeing horses . . . . .	32 50	
Repairs on wagons . . . . .	10 20	
Telephone . . . . .	47 87	
General repairs . . . . .	22 70	
Pig account . . . . .	358 65	
Live stock . . . . .	189 00	
Ice . . . . .	35 43	
		\$7,696 91

Credits:—

Farm produce . . . . .	\$3,744 16	
Board of sundry persons . . . . .	1,298 88	
Waldo Brothers, overcharge . . . . .	8 58	
		5,051 62
Net living expenses . . . . .		\$2,645 29

**Table No. 3.**

Number of weeks' board of inmates . . . . .	1,751	
Number of males admitted during 1911 . . . . .	29	
Number of females admitted during 1911 . . . . .	16	
Number of males discharged during 1911 . . . . .	20	
Number of females discharged during 1911 . . . . .	10	
Number of males supported during 1911 . . . . .	42	
Number of females supported during 1911 . . . . .	25	
Number of males died during 1911 . . . . .	5	
Number of females died during 1911 . . . . .	3	
Number of inmates in home December 31, 1911 . . . . .	35	



**Table No. 4.****FARM ACCOUNT.****REIMBURSEMENTS.**

Farm produce sold . . . . .	\$3,744 16	
Produce used at city home . . . . .	250 00	
Milk used at city home . . . . .	306 60	
		<hr/>
		\$4,300 76

**EXPENSES.**

Wages for help . . . . .	\$1,012 25	
Feed for three cows . . . . .	370 54	
Feed for one horse . . . . .	107 66	
Shoeing one horse . . . . .	10 84	
Repairs on wagons . . . . .	10 20	
Swill and bedding . . . . .	358 65	
Farm sundries . . . . .	146 27	
Live stock . . . . .	189 00	
Seed . . . . .	60 31	
		<hr/>
		\$2,265 72
Balance . . . . .		<hr/>
		\$2,035 04

**Table No. 5.****PERMANENT REPAIRS.**

Removing and rebuilding:—		
Pig yards . . . . .	\$29 36	
Hot bed fence . . . . .	39 20	
Shed and piping . . . . .	55 08	
Greenhouse . . . . .	21 48	
		<hr/>
		\$145 12
Living expenses . . . . .		7,696 91
		<hr/>
Total expenditures . . . . .		\$7,842 03

**Table No. 6.**

Appropriation . . . . .	\$3,000 00
Reimbursements . . . . .	5,051 62
Net expenditures . . . . .	2,790 41
	<hr/>
Total receipts . . . . .	\$8,051 62
Total expenditures . . . . .	7,842 03
	<hr/>
Balance . . . . .	\$209 59

Respectfully submitted,

J. FOSTER COLQUHOUN,  
Warden.

## REPORT OF THE CITY PHYSICIAN.

---

OFFICE OF THE CITY PHYSICIAN,  
Somerville, January 1, 1912.

To His Honor, the Mayor, and the Board of Aldermen:—

Gentlemen,—The following summary is submitted as representing the work of your city physician during the year 1911:—

Office consultations and treatments . . . . .	616
Total outside visits . . . . .	1,163
Confinements . . . . .	14
Vaccinations . . . . .	119
Visits at city home . . . . .	47
Attended at police station . . . . .	41
Examinations:—	
For legal department . . . . .	11
For highway department . . . . .	13
For police department . . . . .	3
For fire department . . . . .	2

Very respectfully,

C. CLARKE TOWLE,  
City Physician.

# REPORT OF THE CITY ENGINEER.

OFFICE OF THE CITY ENGINEER,  
CITY HALL, SOMERVILLE, January 25, 1912. }

To His Honor, the Mayor, and the Board of Aldermen:—

Gentlemen,—In accordance with the provisions of the city charter, the following report of the work done and expense incurred for the year ending December 31, 1911, by the departments and appropriations under my charge and supervision, including Engineering, Grade Crossings, Sewers Construction, Sewers Maintenance, Public Grounds and Parks, and other public works, is herewith presented.

## ENGINEERING DEPARTMENT.

### City Engineer Account.

#### Statement of Expenses, 1911.

Salary of City Engineer . . . . .	\$3,000 00	
Salaries of assistants (see itemized statement following) . . . . .	7,536 60	
Stakes, tools, and general supplies (outside work) . . . . .	139 35	
Draughting materials and office supplies (inside work) . . . . .	152 17	
Car fares . . . . .	183 17	
Maintenance of automobile . . . . .	488 71	
Setting stone bounds . . . . .	36 14	
Telephone, postage, expressing, and incidentals . . . . .	113 49	
Total debit . . . . .		\$11,649 63
CREDIT.		
Appropriation . . . . .	\$11,500 00	
Amount received for making acceptance plans . . . . .	40 00	
Amount received from other departments, services rendered . . . . .	125 00	
Total credit . . . . .		\$11,665 00
Balance unexpended . . . . .		\$15 37

#### Classification of Expenses, Assistants' Salaries.

Sewers,—comprising surveys, estimates, profiles, lines, grades, titles, plans, assessments, and all engineering work relating to sewers . . . . .		\$1,266 30
Highways,—comprising plans, estimates, titles, profiles, lines and grades, inspection of paving, and all other engineering relating to the department . . . . .		982 70

Sidewalks,—comprising profiles, lines, grades, measurements, titles, costs, and assessments . . . . .	697 40
Bridges and Grade Crossings,—comprising surveys, plans, profiles, estimates, lines and grades, etc. . . . .	132 90
Water Works,—comprising lines, grades, locations of mains, gates, hydrants and services, and other matters relating to the department . . . . .	443 40
Public Grounds and Parks,—comprising surveys, plans, estimates, profiles and grades, including laying out of parks and playgrounds and boulevards . . . . .	777 30
Public Buildings,—comprising surveys, estimates, lines and grades, and other work relating to construction and laying out of grounds . . . . .	103 80
Street Numbering,—comprising locations of buildings, plans, and affixing street numbers on houses . . . . .	236 50
Street Lines and Grades,—comprising establishing of lines, grades, and miscellaneous data given parties for building and grading . . . . .	181 80
City Survey,—comprising establishing of street lines, acceptance plans, and miscellaneous survey work for city map, etc. . . . .	756 20
Middlesex Registry,—comprising copying of plans and abstracts from deeds and examination of titles filed at East Cambridge, also tracings of street acceptance and sewer taking plans filed for record . . . . .	175 10
Private Corporations, Railway, Telephone, Electric Light, and Gas Light Companies,—comprising grades, plans, profiles, and office notes, locations of poles and conduits . . . . .	143 40
Stone Bounds,—locating and setting . . . . .	147 50
Office Work,—comprising records of all locations, indexing, typewriting, bookkeeping, calculations, reports, and general draughting . . . . .	814 50
Miscellaneous Work,—comprising preliminary surveys, designs, sketches, etc., relating to various schemes for different committees . . . . .	141 20
Vacations, Holidays, and Sickness . . . . .	536 60
Total . . . . .	<hr/> \$7,536 60

### Office Records and Value of Instruments.

Number of survey note-books, sewer permit books, deed books, calculation books, and record books,—three hundred and thirty.	
Number of plans, including sewers, highways, parks, house lots, etc.,—six thousand six hundred and twenty-five.	
Value of field instruments, tools, and office instruments,—	\$2,500 00

The number of assistants employed during the year on engineering work varied from seven to fifteen.

**General Work.** A varied line of city work is carried on each year under the Engineering department, including the designing and superintending of the construction and maintenance of sewers, parks, playgrounds, boulevards, bridges, and



other public works as may be authorized; the making of such surveys, plans, estimates, descriptions and specifications, and contracts for work as the mayor, board of aldermen, or any committee or department may require; the custody of all plans and profiles; and all data relating to the laying out, widening, or discontinuing of streets, and the engineering work for all departments of the city.

The city ordinances require that the city engineer must be consulted on all work where the advice of a civil engineer would be of service; and no structure of any kind can be placed upon, beneath, or above any street by any department of the city, corporation, or individual, until a plan is furnished showing the location, and approved by him.

During the year the department made plans and established grades for the acceptance, under the betterment act, of eight new public streets, a total length of 4,152 feet.

Four plans have been made of private streets for acceptance as public streets during the year, as ordered, but not as yet made public, and there are plans for acceptance of ten other private streets, previously made, on file in the office that for various reasons are still unaccepted as public ways.

Stone bounds have been set in Portland cement concrete at a number of street intersections and angles to define and preserve the true lines of public streets, and this work should be continued as much as possible each year.

#### **Stone Bounds Set in 1911.**

Fairmount avenue, southwest side, northwest side Curtis street.  
 Fairmount avenue, southwest side, northwest side Watson street.  
 Hill street, southeast side, southwest side Fairmount avenue.  
 Hinckley street, southeast side, northeast side Richardson street.  
 Hinckley street, southeast side, southwest side Wilton street.  
 Langmaid avenue, southeast side, northeast side Broadway.  
 Langmaid avenue, southeast side, southwest side Heath street.  
 Paulina street, northwest side, northeast side Holland street.  
 Paulina street, northwest side, southwest side Broadway.  
 Victoria street, northwest side, southwest side Broadway.  
 Victoria street, northwest side, southwest side Woodstock street.

In the report of 1907 a table was compiled from old reports, maps, and office notes, showing the location of stone bounds, as set, for defining street lines and angles; the year when set, and whether existing or removed at the present time, from 1860 to 1907, inclusive, and in the following reports a list of bounds set during each year. There are at the present time 571 stone bounds set in the city for defining street lines.

The total length of public streets in the city is 76.665 miles, and private streets 20.051 miles. (See table in this report for location, width, length, etc.)

### Streets Accepted as Public Highways in 1911, under the Betterment Act.

NAME OF STREET.	WARD.	FROM	To	Width in Feet.	Length in Feet.	Date of Acceptance.
Conwell ave. . .	7	Curtis st. . .	North st. . . .	40	1,346	Dec. 30
Dearborn rd. . .	7	Boston ave. . .	College ave. . .	50	469	Dec. 30
Fremont st. . .	5	Meacham st. . .	Northeasterly . .	40	460	Dec. 28
Garrison ave. . .	7	Broadway . . .	} Land of City of Cambridge. . .	40	460	Dec. 28
I.eland st. . . .	2	Washington st. .		Dane ave. . . .	40	359
Lowell st. . . .	6	Summer st. . . .	Crown st. . . .	40	351	Dec. 28
*Prichard ave. .	6	Boston ave. . .	Frederick ave. .	40	517	Dec. 30
Shawmut pl. . .	1	Shawmut st. . .	Alston st. . . .	30	190	Dec. 30
<b>Total . . . .</b>	..	. . . . .	(0.786 miles)	..	4,152	. . . .

\*Eliminated December 30, 1911.

### Length of Public Streets in Each Ward.

	Miles.
Ward one . . . . .	9.530
Ward two . . . . .	8.601
Ward three . . . . .	7.479
Ward four . . . . .	9.390
Ward five . . . . .	11.622
Ward six . . . . .	12.611
Ward seven . . . . .	17.417

Total length of public streets in the city, 76.650

A number of street names have been changed and plans made showing a re-numbering of the buildings, and all old numbering plans revised, new houses plotted, and numbers assigned.

Some of the old main thoroughfares should be re-numbered throughout their entire length, so as to eliminate half numbers and letters now being used, as many of these old streets have outgrown their original numbering.

There are many streets, avenues, courts, and places in the city of the same or very similar name, which should be changed to prevent the confusion and inconvenience now existing.

Mystic avenue between the Boston line and Austin street (excepting the area used by the street railway), a length of 1,100 feet, has been paved with granite blocks, averaging four and one-half inches in depth, grouted with pebbles and cement, laid with a sand and cement cushion one inch in thickness, on a Portland cement concrete base four inches in thickness. The street railway tracks were laid by the company and paved with granite blocks at their expense.

The remaining length of this avenue to the Medford line is a state highway.

This pavement was laid by contract at the following cost:—

Bruno & Petitti, contractors:—

Laying 3,251 square yards granite block paving, concrete base . . . . .	\$8,940 25	
Extra work grouting old pavement . . . . .	79 06	
	<hr/>	
Cost of work done by contract . . . . .		\$9,019 31
City,—re-laying sidewalks, etc. . . . .		102 82
		<hr/>
Total cost of work . . . . .		\$9,122 13

CREDIT.

By old granite gutter paving . . . . .		\$119 90
		<hr/>
Net cost of pavement to the city . . . . .		\$9,002 23

Average cost, \$2.81 per square yard for cement-grouted granite block pavement laid on concrete base, including all incidental work.

Vitrified brick pavement has been extended in a number of streets, the brick blocks being furnished by the city. In these streets the railway tracks were re-laid by the company at their expense, the granite block pavement between the tracks being laid on a concrete base and grouted with Portland cement, the cost of the work being as follows:—

Elm street, extending from Chester street to Cutter square, a length of 390 feet:—

C. W. Dolloff & Co., contractors:—

Laying 1,176 square yards vitrified brick block paving, concrete base . . . . .	\$1,470 00	
Extra work, re-laying crossings, etc. . . . .	53 12	
	<hr/>	
Cost of work done by contract . . . . .		\$1,523 12
City,—furnishing 47,800 vitrified brick blocks . . . . .		1,520 04
re-laying sidewalks, etc. . . . .		68 89
		<hr/>
Total cost of work . . . . .		\$3,112 05

CREDIT.

By old granite gutter paving . . . . .		\$58 77
		<hr/>
Net cost of pavement to city . . . . .		\$3,053 28

Average cost, \$2.65 per square yard for cement-grouted vitrified brick block pavement laid on concrete base, including all incidental work.

Holland street, extending from Davis square to Irving street, a length of 682 feet:—

C. W. Dolloff & Co., contractors:—

Laying 2,003.5 square yards vitrified brick block paving, concrete base . . . . .	\$2,504 37	
Extra work, re-laying crossings, etc. . . . .	128 55	
	<hr/>	
Cost of work done by contract . . . . .		\$2,632 92
City,—furnishing 81,400 vitrified brick blocks . . . . .		2,612 52
re-laying sidewalks, etc. . . . .		160 46
		<hr/>
Total cost of work . . . . .		\$5,405 90



Average cost, \$2.70 per square yard for cement-grouted vitrified brick block pavement laid on concrete base, including all incidental work.

Teele square and vicinity, extending on Broadway, from Westminster street to Clarendon avenue, and on Holland street, from Broadway to Moore street, a length of 692 feet:—

C. W. Dolloff & Co., contractors:—

Laying 2,316.5 square yards vitrified brick block paving, concrete base . . . . .	\$2,895 63	
Extra work, re-laying crossings, etc. . . . .	91 67	
	<hr/>	
Cost of work done by contract . . . . .		\$2,987 30
City,—furnishing 93,900 vitrified brick blocks . . . . .		3,229 56
re-laying sidewalks, etc. . . . .		167 19
		<hr/>
Total cost of work . . . . .		\$6,384 05

Average cost, \$2.75 per square yard for cement-grouted vitrified brick block pavement laid on concrete base, including all incidental work.

Ball square, extending on Broadway, from Boston avenue to Willow avenue, a length of 425 feet:—

C. W. Dolloff & Co., contractors:—

Laying 1,871 square yards vitrified brick block paving, concrete base . . . . .	\$2,338 75	
Extra work, re-laying crossings, etc. . . . .	35 86	
	<hr/>	
Cost of work done by contract . . . . .		\$2,374 61
City,—furnishing 75,900 vitrified brick blocks . . . . .		2,725 23
re-laying sidewalks, etc. . . . .		28 46
		<hr/>
Total cost of work . . . . .		\$5,128 30

Average cost, \$2.74 per square yard for cement-grouted vitrified brick block pavement laid on concrete base, including all incidental work.

Broadway, on the southwesterly side, extending from Arthur street to School street, a length of 2,060 feet, has been constructed with trap-rock, using "tarvia" for a binder, the work being done by the Highway department, day labor, at the following cost:—

City, Highway Department (day labor):—

Constructing 8,000 square yards pavement:—

Labor, teaming, rolling . . . . .	\$3,997 37
Stone used (2,634 tons) . . . . .	3,434 07
"Tarvia" used (27,436 gallons) . . . . .	1,922 28

Total cost of work . . . . .	<hr/>	\$9,353 72
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Average cost, \$1.17 per square yard for street construction with bituminous wearing surface.

Beacon street, extending from Buckingham street to Washington street, a length of 1,000 feet, has been improved,



using the same form of construction as described on Broadway, at the following cost:—

City, Highway Department (day labor):—

Constructing 3,111 square yards pavement:—

Labor, teaming, rolling . . . . .	\$2,252 40
Stone used (1,127 tons) . . . . .	1,527 37
“Tarvia” used (14,372 gallons) . . . . .	991 80

Total cost of work . . . . .	<u>\$4,771 57</u>
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Average cost, \$1.53 per square yard for street construction with bituminous wearing surface.

The total length of permanent paved streets in the city amounts to 9.6 miles.

The policy recently adopted of permanently constructing the city's main thoroughfares in preference to side streets has commenced to show good results.

In a few years' time, by the continuation of permanently constructing the remaining roadways, namely, on Broadway (Winter Hill to the Arlington line), Summer, Elm, Holland, Beacon, and Washington streets, the city will have main thoroughfares that will compare favorably with any city in the state.

Six new streets have been constructed during the year, with a “tarviated” trap-rock surface, a length of 2,179 feet (0.41 mile), costing \$4,069.46, where betterment assessments have been levied on the abutting property amounting to \$2,870.23; the average cost of this construction being \$0.95 per square yard.

Four streets have been constructed, “tarvia” being used as a binder, a length of 3,069 feet (0.58 mile), where no assessments were levied.

Ten streets have been re-macadamized or re-surfaced, a length of 10,745 feet (2.03 miles).

### Table of Street Construction.

	Square Yds.	Miles.
*Streets paved with granite blocks . . . . .	96,749	3.86
Streets paved with Hassam pavement . . . . .	36,802	1.80
Streets paved with asphalt . . . . .	10,410	0.73
Streets paved with vitrified brick . . . . .	13,564	0.64
Streets paved with bitulithic . . . . .	14,689	0.88
Combination pavement (concrete base with bituminous top) . . . . .		1.63
Streets macadamized (“tarvia” bound) . . . . .		11.04
**Streets macadamized (water bound) . . . . .		54.96
Streets graveled or unimproved . . . . .		20.99
Total . . . . .		<u>96.58</u>

\*Also 31.9 miles (single track) electric railway, paved with granite, asphalt, bitulithic.

\*\*Includes 3.29 miles boulevard and 1.16 miles state highway.

Table Showing Sidewalks Constructed (not exceeding one-half cost assessed on abutters) and Paved Gutters Laid in Connection Therewith in 1911.

STREET	Ward.	SIDE.	FROM	TO.	WIDTH OF SIDEWALK IN FEET.	MATERIAL.				Total Cost.	PAVED GUTTERS.		
						Gravel and Edgestone. Lineal Feet.	BRICK.		GRANOLITHIC.		Sq. Yards.	Cost.	
						Lin. Feet.	Sq. Yards.	Lin. Feet.	Sq. Yards.				
Ashland	6	Westerly	Summer street	Sartwell avenue	5.00	497.1				\$620.02	165.7	\$415.21	
Beacon	6	Southwesterly	Forest street	Oxford street (where not laid)	11.00			170.6	266.1	526.11			
Forest	6	Northwesterly	Beacon street	Cambridge line	6.67			111.0					
Bowdoin	2	Both	Washington street	Lincoln park	6.67		657.7	449.8		513.04			
Broadway	7	Southerly	College avenue	Wallace street	11.00	Gran. 8.0, sod rem. width			842.3	774.7	1,365.11		
Broadway	6	Northeasterly	Bristol road	Boston avenue	11.00				286.6	340.0	437.75		
Broadway	7	Northerly	Pearson road	Bristol road	11.00	Gran. 8.0, sod rem. width			278.5	250.9	460.40		
Broadway	6	Both	Approaches to bridge	North Somerville		424.5				446.03	141.5	256.28	
Cedar	6	Westerly	Spencer avenue	B. & M. R. R.	6.67			423.9	281.3	400.56			
Cedar	5	Easterly	Highland avenue	Hudson street	6.67		179.6	121.5		137.39			
Chandler	7	Both	Chapel street	Park avenue	6.67				1,203.6	666.8	1,030.44		
Chandler	7	Both	William street	Chapel street (where not laid)	6.67		107.3	71.6		95.13			
Chapel	7	Southwesterly	College avenue	Chandler street	6.67				265.5	179.3	304.32		
Cleveland	6	Southwesterly	Central street	Harvard street	6.67				457.6	310.2	464.05		
Evergreen avenue.	5	Both	Sycamore street	School street (where not laid)	6.67				1,173.7	782.6	1,163.14		
Fremont avenue	2	Both	Bowdoin street	Lincoln p'kway	5.00	417.0				347.53	139.0	304.52	
Grove	7	Both	Highland avenue	Morrison ave. (where not laid)	6.67	503.3	653.9	429.3		958.29	167.7	435.90	
Hawthorne	7	Northeasterly	Willow avenue	Cutter avenue	5.00				789.7	379.1	650.95		
Hawthorne	7	Southwesterly	Willow avenue	Cutter avenue	5.00				817.3	397.6	771.87		
Highland avenue.	7	Southwesterly	Willow avenue	Grove street	10.00		711.7	738.5		922.17			
Highland avenue.	6	Southwesterly	Cedar street	Hancock street	10.00		438.3	455.4		581.52			
Irving	7	Northwesterly	Broadway	Holland street	6.67				1,179.7	787.0	1,229.50		
James	4	Both	Pearl street	Veazie street	6.67		654.4	430.6		506.76			
Jay	7	Southerly	Holland street	Howard street	6.67					408.8	275.8	409.16	
Kingston	7	Both	Thorndike street.	Cambridge line	6.67					766.3	530.9	861.92	
Liberty avenue	7	Both	Broadway	Hall avenue	6.67	1,928.1					2,085.56	642.7	1,438.85
Liberty avenue	7	Northwesterly	Appleton street	Powder House terrace	6.67								
Liberty avenue	7	Southeasterly	Appleton street	Mallet street	6.67				1,973.3	1,297.5	1,942.21		
Linden avenue	6	Westerly	Elm street	Summer street	7.50		1,059.8	840.4			1,291.54		
Lovell	7	Both	Broadway	Electric avenue	6.67	728.6					808.40	242.9	609.16
Mallet	7	Both	Willow avenue	Liberty avenue	6.67	1,122.3					1,185.33	374.1	880.30
Medford	2	Southwesterly	In front of estate No. 46		8.33		28.6	21.1			29.02		
Medford	2	Westerly	In front of estate No. 16-18		8.33		43.4	37.6			44.49		
Melvin	4	Both	Broadway	Bonair street (where not laid)	6.67		165.0	109.7			122.69		
Merriam	2	Both	Somerville avenue	Charlestown street	5.00	1,011.0					897.67	337.0	688.15
Merriam	2	Easterly	Washington street	Somerville avenue	6.67		375.40	253.10			298.00		
Morrison avenue.	6	Both	Cedar street	Willow avenue	8.33	2,336.0					2,729.05	778.7	2,177.10
Mystic avenue	1	Both	Boston line	Near Austin street	10 & 11	914.2					1,037.24		
*Mystic	2	Both	Washington street	Somerville avenue	6.67	639.7					621.29	229.9	454.96
Mystic	1	Easterly	Mystic avenue	Est. M. M. Shedd, Trustee	6.67		242.3	170.5			194.20		
Norwood avenue	5	Both	Broadway	Medford street	6.67				726.2	485.8	701.42		
Oxford	3	Southwesterly	Central street	Hersey street	6.00				657.2	388.5	573.62		
Parker	2	Both	Washington street	Fremont avenue	5.83	419.6					338.19	139.9	294.84
Partridge avenue	5	Northwesterly	Medford street	Vernon street	7.67								
Pearson avenue	6	Both	Morrison avenue.	Boston avenue (where not laid)	7.50				924.9	601.3	923.53		
Pembroke	5	Northeasterly	Sycamore street	Central street	6.67						401.4	265.9	369.38
Pembroke	5	Southwesterly	Sycamore street	Central street	6.67						411.7	278.9	407.38
Princeton	5	Both	Alpine street	where already laid	6.67	938.7					1,090.52	312.9	721.58
South	2	Northerly	In front of estate A. S. Scotti		5.00		55.7	27.2			36.77		
Stone avenue.	3	Both	Columbus avenue	Prospect Hill Pkwy	5.87						207.7	118.2	226.26
Summer	6	Northeasterly	Cedar street.	Cherry street (where not laid)	7.50				421.2	317.5	530.00		
Summer.	6	Northeasterly	In front of estate No. 249		7.50						47.0	35.5	60.50
Summit	7	Southwesterly	Billingham street	College avenue	6.67						407.1	274.6	407.73
Summit	7	Northeasterly	Billingham street	where already laid	6.67						261.6	174.1	275.45
Sycamore	5	Westerly	Pembroke street	R. R. bridge	6.67						502.2	449.7	813.20
Temple	4	Southerly	Jaques street	Sydney street	11.00	Gran. 8.0, sod rem. width					408.7	276.0	385.44
Tennyson	5	Northerly	Medford street	Pembroke street	6.67						276.6	172.2	237.52
Thorndike	7	Both	Kingston street	Subway	6.67								
Trull	5	Westerly	Medford street	Vernon street	6.67		1,063.3	711.5			1,083.58		
Veazie	4	Northeasterly	Walnut street	Marshall street	5.83 & 6.67						570.99		
Walter	4	Both	Walnut street	Mortimer place	6.67	960.2					1,091.42	320.1	604.30
Warwick	5	Both	Cedar street	Warwick place	6.67	1,284.1					1,398.50	428.0	1,008.84
Washington	1	Southerly	Estates Nos. 34 - 36		11.50		55.7	65.3			78.53		
West	7	Both	Highland avenue	Hawthorne street	5.00	363.2					331.35	121.1	290.39
Westminster	7	Both	Broadway	Electric avenue	6.67				779.4	516.9	762.08		
Willow avenue	7	Northwesterly	Highland avenue	Morrison avenue	8.33	Gran. 5.0, sod rem. width					694.60		
Winslow avenue	7	Both	College avenue	Clifton street (where not laid)	6.67	1,419.5					1,309.48	473.2	976.21

Total assessment, \$22,032.88.

Net cost to city, \$22,032.86.

15,957.1

7,417.0

5,534.4

18,569.9

12,459.1

\$44,065.74

5,014.4

\$11,496.59

\* Mystic street changed to Merriam street.

Amount of edgestone and sidewalks, brick, granolithic and tar, in front of private estates

1,913.0

Totals . . . Gravel sidewalks, 2,628 miles. Brick sidewalks, 1,405 miles. Granolithic sidewalks, 3,879 miles.





Lines and grades have been given for setting 15,957.1 linear feet (3.022 miles) of new edgestone, and 5,534.4 square yards (1.405 miles) of new brick sidewalks, and 12,459.1 square yards (3.517 miles) of granolithic sidewalks have been laid, and measurements taken for computing assessments; also on private streets 0.36 of a mile of granolithic sidewalks have been laid by private parties.

In connection with setting edgestone 5,014.4 square yards of new paved gutters have been laid, at an average cost of \$2.29 per square yard, and a number of driveways and crossings have been constructed, all requiring lines, grades, and measurements. (See tables for cost of new work, 1911, and total lengths of sidewalks constructed in the city to date.)

The average cost for the year has been as follows:—

For setting edgestone with gravel sidewalk . . . . .	\$1.06 per linear foot
Laying brick sidewalk, complete . . . . .	1.30 per square yard
Laying granolithic sidewalk, complete . . . . .	1.54 per square yard

And the cost of materials used, furnished by contract:—

Edgestone (straight) delivered at work . . . . .	\$0.58 per linear foot
Edgestone (circle) delivered at work . . . . .	0.75 per linear foot
Bricks delivered at work . . . . .	13.20 per M.
Cement (Portland) on cars . . . . .	1.11 per barrel (net)
Sand and gravel on cars . . . . .	0.66 per cubic yard
Crushed stone on cars . . . . .	1.10 per ton

In sections of the city where brick sidewalks have been laid many years, and must necessarily be re-laid on account of deterioration and unevenness, granolithic should be substituted in the place of brick.

#### Miles of Edgestone, Gravel, Granolithic and Brick Sidewalks in Each Ward.

	Edgestone.	Gravel Sidewalk.	Brick Sidewalk.	Granolithic Sidewalk.
Ward one . . . . .	17.609	4.749	11.960	0.900
Ward two . . . . .	14.421	8.110	6.300	0.011
Ward three . . . . .	13.979	1.772	11.511	0.696
Ward four . . . . .	14.301	3.093	9.854	1.354
Ward five . . . . .	20.574	6.800	12.142	1.632
Ward six . . . . .	22.338	7.514	10.612	5.628
Ward seven . . . . .	23.345	8.954	8.260	7.383
Total miles in the city . . . . .	126.567	40.992	70.639	17.604

A considerable quantity of stone still remains on the two parcels of ledge property owned by the city, situated in West Somerville, that can be quarried and used for the foundation of streets and on sidewalk work, to the city's advantage. By using the stone from these two ledges and purchasing trap-rock, the city will have a sufficient supply of good road material for a number of years to come.



Lines and grades have been given for laying 6,301 linear feet of new city water mains, varying in size from two inches to twenty inches in diameter. Two hundred and thirty-four new house services, gates, hydrants, water posts, and blow-offs have been located and recorded, sketches and plans made showing the same, and the large water works map corrected to date, and a large number of old meters and services have been located and recorded.

A set of block plans should be made covering the entire city area from accurate surveys made during the past twenty-five years, and compared section by section with the deed dimensions and areas recorded in the assessors' department, and in this manner the correct areas of land determined.

This set of plans would also be of value to the water department and various other departments, and would more than pay for the cost of making; five of these sectional plans have already been made.

Plans have been made and photographs taken where accidents have occurred on the city work or where boundaries were in dispute, and special plans and data prepared for the city solicitor's use in court cases and hearings.

All plans of estates in Somerville recorded at the Registry of Deeds, East Cambridge, including land court plans, have been copied, also titles examined, abstracts from deeds made for the purpose of assessments, and the proportional part of the cost of new work computed, and schedules of assessments made out showing the property owners. Copies have been made of all city plans where land has been taken for highways or sewers, and these have been filed and recorded at the Registry, East Cambridge, as required by law.

Plans have been made by the various companies and corporations, and filed in the city engineer's office, showing the locations of gas mains, poles, tracks, and conduits in this city, which have been granted by the board of aldermen during the year; and the work of placing overhead wires in conduits underground and removing all poles from streets should be extended as rapidly as possible.

At the present time there are underground in the city's streets 14.4 miles of telephone conduits, 7.1 miles of electric light conduits, 1.4 miles of electric railway conduits, and about 5.1 miles of underground conduits used for the city's wires.

The Cambridge and Charlestown gas companies have extended their mains in the city's streets 3.1 miles the past year.

Heavy explosions have occurred in the city's streets from underground conduits, owned by private corporations. The city ordinances should be so changed that in the future all

underground work constructed by these companies should be rigidly inspected by a competent man employed by the city, so as to eliminate as far as possible faulty construction.

The Boston Elevated Railway Company have made extensive repairs in their roadbed in this city during the past year, replacing the old tracks with new and heavier rails, filling the space between the ties with Portland cement concrete, and grouting the granite block pavement with cement in sections of Broadway, Holland street, Elm street, and Medford street. Also new curves and special work have been laid at the junction of Cross street and Medford street, and tracks re-laid on Webster avenue and Newton street on account of the grade crossing work.

Where double car tracks have been laid in streets, leaving narrow roadways on either side, it is impossible to maintain a macadam surface, even at a heavy expense yearly, and these streets should be permanently paved with a suitable pavement, adapted to the character of the surroundings and amount of traffic and conditions encountered.

There are 31.9 miles of electric railroad (single track location) laid at the present time in the city's streets; and in watering the main thoroughfares, time and expense could be saved by utilizing this trackage for running street-sprinkler cars, the same as operated in a number of cities throughout the state.

**Bridges and Grade Crossings.** An act of the legislature was approved April 5, 1911, authorizing the city of Somerville and town of Arlington, any time within five years, to lay out, construct, and maintain a public way and bridge over Alewife brook, connecting Woodstock street in Somerville with Henderson street in Arlington, subject to the approval of the Metropolitan Park Commission, and assess betterments for the same. No appropriation has been made for this work.

The location of this proposed bridge would be on land already taken by the state for the improvement of Alewife brook, and when this work is further developed probably this connection will be satisfactorily planned.

### Grade Crossings Account.

#### STATEMENT OF EXPENSES, 1911.

Account overdrawn, 1910 . . . . .	\$33,760 16
Extra legal services (City Solicitor) . . . . .	2,875 26
Paid various parties for appraisal of property and damages and repairing property . . . . .	1,635 85
Paid for damages and land and buildings taken . . . . .	103,830 19
Photographs . . . . .	27 00
	<hr/>

\$142,128 46

## CREDIT.

Received from Boston & Albany Railroad Company, decree of court . . . . .	\$1,466 93	
Received from Commonwealth of Massachusetts, apportionment of damages, decree of court . . . . .	32,198 29	
Received from Boston Elevated Railway, decree of court . . . . .	16,046 45	
Received from Boston & Maine Railroad Company, decree of auditor . . . . .	53,102 68	
	<hr/>	\$102,814 35
Overdrawn, 1911 . . . . .		\$39,314 11

The work of abolishing grade crossings on the Fitchburg division of the Boston & Maine railroad in Somerville is progressing, the Webster-avenue crossing having been practically completed the past year. This work included the building of a new station for Union square, and a separate bridge was constructed over the Fitchburg railroad tracks, east of the street, for carrying the state and city water mains.

Probably work will be commenced at the Medford-street and Park-street crossings the coming year.

The construction work for the elimination of these dangerous grade crossings will be continued for a number of years as decreed by the court, and the total cost of the work, as completed, will be apportioned as follows: The steam railroad company, sixty-five per cent.; the state, twenty-five per cent.; and the city, ten per cent., except at the Webster-avenue crossing, where the steam railroad and city pay the same percentage of cost as at other crossings, the state twelve and one-half per cent., and the street railway company twelve and one-half per cent.

The plans for abolishment of these crossings were described in previous annual reports, and at two streets the plan adopted is the same as proposed by the city's scheme presented to the commission; at the other three streets the plan adopted is just the reverse of the city's scheme, as presented.

**Perambulation of City Boundary Lines.** November 23, 1912, representatives appointed from the city of Somerville and city of Boston examined the boundary marks defining the division line between these two cities, and reported their findings in due form to the board of aldermen.

Some of these stone monuments are to be reset, and three, which have been removed, are to be replaced with new stones.

A contemplated change in the boundary line between Somerville and Medford is under consideration by committees representing both cities, and probably an exchange of territory can be made that will be equally advantageous.



**SEWERS.****Construction Account.****STATEMENT OF EXPENSES, 1911.**

Constructing "separate system" sewers (assessments levied) . . . . .	\$1,921 30	
Constructing "separate system" sewers (no assessments) . . . . .	2,102 46	
Constructing "combined system" sewers (assessments levied) . . . . .	1,755 09	
Constructing "combined system" sewers (no assessments) . . . . .	255 74	
Constructing storm drain across athletic field to Alewife brook . . . . .	568 21	
Constructing catch basins and manholes, street drainage . . . . .	3,228 86	
Constructing cement shed . . . . .	361 60	
Sundry expenses, books and printing . . . . .	11 00	
Materials on hand December 30, 1911 . . . . .	1,409 57	
		<hr/>
Total expenditure . . . . .	\$11,613 83	
Transferred to Public Buildings construction, building public buildings . . . . .	1,816 45	
Transferred to Paved Gutters and Crossings . . . . .	5,000 00	
Transferred to Recreation Field, Alewife brook . . . . .	5,000 00	
		<hr/>
Total debit . . . . .		\$23,430 28
		CREDIT.
Balance unexpended December 31, 1910 . . . . .	\$5,281 94	
Appropriation, 1911 . . . . .	20,000 00	
Assessments levied, sewers constructed, 1911 . . . . .	3,451 14	
Amounts received from other departments . . . . .	27 43	
Materials on hand December 31, 1910 . . . . .	679 53	
		<hr/>
Total credit . . . . .		\$29,440 04
		<hr/>
Balance unexpended . . . . .		\$6,009 76

The greater part of the new construction work has been done by contract, and the remainder by the city employing day labor where old structures were to be remodeled or replaced by some difficult construction work.

All materials have been furnished by the city, and the prices paid for supplies, for the season, have been by contract with the lowest bidder as follows:—

Akron sewer pipe (3 ft. lengths),	31 3-5% discount from list price, on cars
Sewer pipe fittings . . . . .	83% discount from list price, on cars
Portland cement, per barrel . . . . .	\$1.11 on cars (net)
Sand, per cubic yard . . . . .	0.66 on cars
Sewer bricks, per M. . . . .	7.20 at yard
Iron manhole and catch basin castings, per hundred weight, . . . . .	1.37 on cars
Catch basin traps, each . . . . .	1.80 at foundry



A number of sewers have been constructed as petitioned for in various sections of the city, or as considered necessary for the improvement of the drainage system, and portions of the cost of construction assessed on the abutting estates under orders adopted by the board of aldermen.

Short lines of storm drains and overflows from congested sewers have been constructed during the year in the most needed districts.

The "separate system" sewers (those built for house drainage only) have been extended in a number of streets in the older districts, and this system should be extended yearly until all the flooded districts in the city have two complete systems of drainage, the old sewer to be used for storm and surface water. The city pays the entire cost of these new sewer extensions for house drainage, and wherever constructed the house plumbing should be changed where necessary, and the house drains and conductor, or surface water drains, re-connected with both systems as soon as possible.

New sewers and drains were constructed during the year varying in size from eight-inch pipe to twelve-inch pipe, and thirty-inch brick in the following localities:—

"Separate system" sewers in:—

Bailey street,—North street to West Adams street.

Clarendon avenue,—extension of 1910 work, north-easterly.

Harold street,—Marion street to Dimick street.

North street,—Conwell avenue to Medford city line.

West Adams street,—Conwell avenue to Medford city line.

West Quincy street,—Bailey street to Medford city line.

"Combined system" sewers in:—

Columbia street,—extension of 1910 work to Webster avenue.

Line street,—extension of 1904 work, southeasterly.

Lowell circle,—Lowell street, northwesterly.

Mt. Vernon avenue,—Mt. Vernon terrace to Main street.

Mt. Vernon terrace,—Mt. Vernon avenue, easterly.

Snow place,—(Belmont square) Belmont street to angle, thence northerly and southerly.

Summer street,—Linden avenue to Porter street.

Veazie street,—Marshall street, southeasterly.

Waldo avenue,—Dimick street to Beacon street.

Storm drain:—

Across "Somerville Field,"—Powder House boulevard to Alewife brook.

**TABULAR STATEMENT OF SEWERS AND STORM DRAINS BUILT IN 1911.**

LOCATION.					ITEMS OF CONSTRUCTION AND COST.																			
NAME OF STREET.	FROM	TO	CONTRACTOR.	MATERIAL EXCAVATED.	Average Cut.	SEWER.		SUB-DRAIN.		Cubic yards Rock Excavation.	Price per cubic yard, Rock.	Manholes.	Average cost Manholes.	Inlets.	PIPE SEWER, COST PER LINEAL FOOT.						Total cost.	Assessment.	Cost to City.	
						Size in inches.	Length in feet.	Size in inches.	Length in feet.						Excavating, Re-filling, and Pipe Laying.		Price, including Sub-drain where laid.	Inspection.	Miscellaneous.	Average cost per lineal foot.				
															Main Sewer.	Sub-drain								
*Bailey street . . . . .	North street . . . . .	Near West Adams st. . . . .	Bartholomew Burke . . . . .	Hardpan and rock . . . . .	5.3	8	358.1	6	358.4	98.9	\$2.40	1	\$38.00	54	\$0.38	\$0.20	\$0.12	\$0.06	.....	\$1.53	\$547.65	.....	\$547.65	
*†Clarendon avenue . . . . .	Uncompleted work 1910	Northeasterly . . . . .	Day labor . . . . .	Sand and rock . . . . .	9.0	8	89.0	.....	.....	30.0	.....	1	.....	32	.....	.....	.....	.....	.....	.....	422.22	\$423.75	.....	.....
†Columbia street . . . . .	Uncompleted work 1910	Centre of Webster ave. . . . .	Day labor . . . . .	Filling . . . . .	9.0	30	73.5	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	255.74	.....	255.74	
*Harold street . . . . .	Marion street . . . . .	Near Dimick street . . . . .	John D. Collins . . . . .	Filling and clay . . . . .	7.0	8	279.3	.....	.....	.....	.....	1	47.00	24	0.50	.....	0.21	0.04	\$0.01	0.92	258.20	257.63	0.57	.....
Line street . . . . .	Sewer built in 1904	Southeasterly . . . . .	Day labor . . . . .	Clay . . . . .	9.5	8	210.3	.....	.....	.....	.....	1	34.00	19	.....	.....	.....	.....	.....	1.91	400.83	200.00	200.83	
Lowell circle . . . . .	Lowell street . . . . .	Northwesterly . . . . .	Bartholomew Burke . . . . .	Hardpan . . . . .	5.5	8	136.0	.....	.....	.....	.....	1	34.00	4	0.42	.....	0.23	0.07	0.01	0.98	133.84	133.71	0.13	.....
Mount Vernon avenue and . . . . .	Mount Vernon terrace . . . . .	Near Main street . . . . .	Bartholomew Burke . . . . .	Hardpan . . . . .	9.0	8	72.8	.....	.....	.....	.....	1	39.00	4	0.60	.....	0.21	0.03	.....	1.16	282.08	278.53	3.50	.....
Mount Vernon terrace . . . . .	Mount Vernon avenue . . . . .	Easterly . . . . .	Bartholomew Burke . . . . .	Hardpan . . . . .	8.4	8	169.5	.....	.....	.....	.....	1	39.00	14	0.60									
*North street . . . . .	Conwell avenue . . . . .	Bailey street . . . . .	Bartholomew Burke . . . . .	Hardpan . . . . .	9.0	10	484.8	8	485.0	14.1	2.40	2	41.50	74	0.65	0.20	0.37	0.06	.....	1.46	1,240.88	1,222.60	18.28	.....
	Bailey street . . . . .	Medford line bound 17 . . . . .	Bartholomew Burke . . . . .	Hardpan . . . . .	8.5	8	363.7	6	361.2	.....	.....	1	41.50	58	0.63	0.20								
Across Recreation Field (storm drain)	Powder House boulevard	Alewife Brook . . . . .	Day labor . . . . .	Filling . . . . .	4.0	10 12	475.0	.....	.....	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	1.20	568.21	.....	568.21
Snow Place (Belmont Square)	Belmont street . . . . .	Angle, thence N'y & S'y	Bartholomew Burke . . . . .	Hardpan and rock . . . . .	6.2	8	230.0	.....	.....	20.7	2.60	1	31.00	10	0.42	.....	0.22	0.06	0.01	1.08	248.28	247.53	0.75	.....
Summer street . . . . .	Linden avenue . . . . .	Near Porter street . . . . .	Bartholomew Burke . . . . .	Hardpan . . . . .	7.7	8	322.2	.....	.....	0.5	4.00	1	38.00	26	0.58	.....	0.21	0.04	.....	0.95	307.36	306.34	1.02	.....
Veazie street . . . . .	Marshall street . . . . .	Southeasterly . . . . .	Bartholomew Burke . . . . .	Filling and hardpan . . . . .	5.5	8	169.3	.....	.....	.....	.....	1	36.00	10	0.38	.....	0.22	0.02	.....	0.83	140.04	139.85	1.09	.....
Waldo avenue . . . . .	Dimick street . . . . .	Near Beacon street . . . . .	T. F. Crimmings & Son . . . . .	Hardpan . . . . .	8.2	8	225.0	.....	.....	1.0	4.00	1	36.00	16	0.63	.....	0.22	0.04	0.01	1.07	241.81	241.20	0.61	.....
*West Adams street . . . . .	Conwell avenue . . . . .	Near city line (Medford)	T. F. Crimmings & Son . . . . .	Hardpan and rock . . . . .	5.0	8	699.0	6	699.0	76.2	2.50	4	32.00	90	0.34	0.20	0.17	0.03	.....	1.19	834.82	.....	834.82	
*West Quincy street . . . . .	Bailey street . . . . .	Near Medford line . . . . .	Bartholomew Burke . . . . .	Hardpan and rock . . . . .	7.4	8	287.0	6	287.0	188.5	2.40	1	38.00	44	0.42	0.20	0.12	0.06	.....	2.51	719.99	.....	719.99	
Total length and cost of new sewers and drains built in 1911,					4,644.5 (0.880 miles.)													\$6,602.80	\$3,451.14	\$3,151.66				

\* Separate system sewers.  
 † Commenced 1910; completed 1911. Total cost of Clarendon avenue sewer \$1,338.08

Total length of public sewers in the city, January 1, 1912 . . . . . 469,017.7 feet.  
 Total length of private sewers in the city, January 1, 1912 . . . . . 34,748.0 feet.  
 Total length of sewers in the city, January 1, 1912 . . . . . 503,765.7 feet, = 95.410 miles. (26.853 miles separate system sewers.)  
 Total length of storm drains in the city, January 1, 1912 . . . . . 35,638.3 feet, = 6.750 miles.  
 Total length of the city drainage system, January 1, 1912 . . . . . 102.160 miles.  
 Total length of Met. sewerage system mains running through the city . . . . . 3.368 miles.



**Summary of Work.** Sixteen new sewers and drains have been constructed during the year, a total length of 4,644.5 linear feet (0.880 mile), at a cost of \$6,602.80; plans have been made showing these sewers in detail, and assessments levied on a portion of them, amounting to \$3,451.14. (See tabular statement of sewers and drains for 1911, showing itemized statement of work and cost.)

The total length of the city's drainage system is 102.16 miles, 26.853 miles being on the "separate system" and 6.75 miles of storm drains, and the entire cost of construction has amounted to about \$1,257,866, exclusive of the amount paid to the state for assessments for the construction of the North Metropolitan sewerage system.

Forty-seven new catch basins have been constructed in the highways during the year, at an average cost of \$61.25 per basin, and six removed, making a total of 1,638 basins in the city for street drainage purposes, constructed and maintained as follows:—

By the city (sewer division):—

Located in streets and subways . . . . .	1,585 basins
Located in city boulevard . . . . .	29 "
Located in parks (12), other city lots (12) . . . . .	24 "
<hr/>	
Total catch basins constructed and maintained by city . . . . .	1,638
By Boston & Maine Railroad Company on railroad locations . . . . .	31 basins
By state, located in boulevards . . . . .	52 "
	<hr/>
	83

Total catch basins in the city for storm drainage purposes . 1,721

**Metropolitan Sewer Connections.** All of the city's ten connections with the North Metropolitan sewerage system are in good condition. No new main connections have been required.

At the Somerville-avenue-Poplar-street connection with the Metropolitan sewer, records compiled from an automatic recording clock placed in the "regulator chamber" on the combined system show this outlet to have been cut off as follows:—

Year 1911, completely closed 512 hours, partly closed 125 hours.

In previous years the following:—

Year 1910, completely closed	382 hours,	partly closed	190 hours.
" 1909,	" 459	" "	" 683 "
" 1908,	" 469	" "	" 605 "
" 1907,	" 206	" "	" 534 "
" 1906,	" 289	" "	" 331 "
" 1905,	" 297	" "	" 548 "
" 1904,	" 279	" "	" 922 "
" 1903,	" 180	" "	" 167 "
" 1902,	" 376	" "	" 377 "
" 1901,	" 386	" "	" 225 "
" 1900,	" 353	" "	" 114 "



The city's assessment for the Metropolitan sewer system for the past year was \$42,090.54 on construction account and \$22,160.32 for maintenance, and the total amount paid the commonwealth of Massachusetts for this state sewer has been \$821,791.70 (1892-1911, both years inclusive). The total length of the Metropolitan sewerage system mains running through the city amounts to 3.368 miles.

**New Work.** The separate system sewers should be extended in the old sections of the city each year, as the appropriation will allow. The construction of the storm drainage system commenced in the year 1905 should be continued in the vicinity of North Somerville, where buildings and new streets are being rapidly constructed, the outlet for this district being through the city of Medford into Mystic river; and in connection therewith, the boundary line between Somerville and Medford should be changed in the vicinity of Pearson road and Boston avenue, so that this outlet, Two Penny brook, can be improved by Somerville and the covered channel extended to the Boston & Maine railroad, to conform with the work already done within the present city limits.

A large storm overflow drain has been contemplated for some time at the East Cambridge line, across private lands from Somerville avenue, discharging into the head of Miller's river; and this matter of improving the city's drainage system should be carried out without further delay.

Some agreement should be made whereby a storm drain and sewer may be constructed in the railroad valley along the location of the Southern division of the Boston & Maine railroad, between Gilman square and Cedar street, this being the natural outlet for a number of the city's streets and house lots which at the present time have either very poor or no means of drainage.

There are about six and one-half miles of old private sewers connected with the sewerage system that should be released to the city, so that they can be thoroughly repaired or re-constructed and put in a good sanitary condition, and be maintained in the future by the city.

#### **Maintenance Account.**

##### **STATEMENT OF EXPENSES, 1911.**

Maintenance of sewers, including cleaning and flushing (102.16 miles) . . . . .	\$3,565 03
Maintenance of catch basins, cleaning and flushing (1,638) . . . . .	7,382 52
Changing line and grade and repairing catch basins . . . . .	480 21
Changing line and grade and repairing man-holes . . . . .	323 28
	\$11,751 04
Amount carried forward . . . . .	

Amount brought forward . . . . .	\$11,751 04	
Repairing old sewers . . . . .	400 26	
Inspection and location of house drains . . . . .	61 72	
New tools and supplies . . . . .	400 78	
Repairs of tools and property . . . . .	114 32	
Sundry expenses, car fares, telephone, books, etc. . . . .	131 60	
Maintenance of sewer department yards and buildings . . . . .	560 50	
Work and materials furnished other depart- ments and companies . . . . .	347 29	
Total debit . . . . .		\$13,767 51
	CREDIT.	
Appropriation . . . . .	\$13,000 00	
Amounts received from other departments and companies,—labor materials fur- nished . . . . .	347 29	
Received from sale of cement bags, old iron, old hose, etc. . . . .	420 67	
Total credit . . . . .		\$13,767 96
Balance unexpended . . . . .		\$ 45
Value of tools and property on hand used in maintenance of sewers . . . . .		\$705 00

A permanent force of men and teams are kept continually at work flushing, cleaning, and repairing the city's drainage system, catch basins, etc., the expense necessarily increasing yearly as lengths of sewers, drains, and catch basins are added to the system.

About 6,185 cubic yards of deposit have been removed from the catch basins and sewers during the year, at an average cost of \$1.19 per cubic yard, and the average cost per mile for cleaning and flushing the drainage system, including catch basins, has amounted to \$107.16.

Seventy-nine catch basins and fifty-eight manholes have been repaired and grade or line changed.

A number of repairs have been made on some of the old sewers, alterations made in the outlets, and overflows and extra manholes built for the purpose of improving the system.

Three hundred and forty-five permits have been issued to licensed drain layers for connecting buildings with the main sewers, fifty-four being for repairs or alterations; all of the work being done under the supervision of the city's inspector.

At the present time there are ten persons licensed as drain layers by the city and under bonds, for the purpose of laying these private drains.

There are to date about 14,643 private drain connections with the city's drainage system.

During the year the sewer department has done considerable miscellaneous work for other city departments and outside companies where alterations and new construction work

have been required, furnishing materials and labor, and being reimbursed for the same to the amount of \$347.29.

### PARKS AND PLAYGROUNDS.

At the present time there are nineteen separate parcels of land located in all parts of Somerville, used for parks and playgrounds, amounting to 70.4 acres, and also a boulevard about one and one-third miles in length maintained by the city. Included in this total area are playgrounds where the land is owned by private parties and leased to the city, for use, in the following localities: On Fellsway east, 2.5 acres; Knowlton street, 1.5 acres; and the cemetery lot, .7 acre.

Four of the larger pleasure parks, namely, Central Hill, Prospect Hill, Powder House park, and Broadway park, are beautifully-laid-out spots in a thickly-settled city, and famous for what they represent historically.

At the present time there are eight baseball "diamonds" and three football fields in use and under the city's supervision, as well as numerous smaller playgrounds, on which are located an outdoor gymnasium, running tracks, tennis courts, and various kinds of athletic apparatus for recreation and rest, where children can play and enjoy themselves and are safe from the dangers of a thickly-settled city.

This area of parks and playgrounds compares favorably with other cities, Somerville being very small in area and the most densely populated city in the state, averaging about 18,500 in population to a square mile.

The larger areas have been policed by regular officers from the police department, when required, the expense being paid from the police appropriation; trees and shrubs added to the various grounds, and bulbs, plants, and flowers furnished in their seasons, and during the winter time ponds flooded for skating when the weather was favorable, and a hockey rink maintained.

Several fields have been maintained for ball playing, and are constantly in use by the many athletic teams, the games being arranged for and regularly scheduled on the various grounds throughout the season, about three hundred games being provided for by schedule the past year.

Broadway and Lincoln parks have field houses constructed of concrete, with red-tiled roofs; are heated, lighted, and equipped with toilet rooms, etc., and on several of the playgrounds similar buildings should be erected in place of some of the old wooden structures. Additional apparatus should be erected on some of the principal parks and playgrounds for the smaller children's pleasure, where a regular park employee can have the care of the same. Some of the smaller playground areas



should be enclosed by wire fencing for the protection of children.

At the westerly end of Lincoln park, a wading pool having an area of not over 3,000 square feet could be constructed, with a concrete bottom and side walls, at a small cost. This would be a source of much enjoyment to a very large number of children in the immediate vicinity, and maintained exclusively for their use.

In certain localities of the city well-lighted playgrounds, during the summer evenings, should be maintained for the young men and women working in the factories daily.

The city has become so densely populated that portions of some of the larger park areas should be utilized for public recreation and physical training purposes: Broadway park (northerly end), ball field and children's playground; Central Hill park, tennis courts and children's playground; Tufts park, children's playground, gymnastic apparatus, etc.

The Playgrounds Association has continued its good work in the city, and funds contributed by citizens and a sum of \$1,600 appropriated by the city for the special equipment of grounds and supervision of playfields during the summer months has been expended under the direction of the school committee.

Certain areas were used in the city's parks, playgrounds, and schoolyards, which had been equipped with swings, sand boxes, and various kinds of gymnastic apparatus, and instructors were employed during the months of July and August. Many children enjoyed themselves at these outdoor kindergarten schools, while the larger boys were instructed in baseball, basket ball, and other games, and in the use of gymnastic apparatus, teams being formed and athletic competitions held between the various teams.

Probably better results, in this city, could be obtained by establishing a system with a permanent director of athletics and gymnastics to have charge and instruct in every form of athletics and recreation, including all sports and games for the high schools, grammar schools, and all others using the city's playfields and buildings.

During the past year the city's lease expired whereby an area of land owned by the trustees of Tufts College has been used as an enclosed athletic field for the last ten years. The city was fortunate in obtaining, permanently, from the Metropolitan Park Commission a large tract of land, which has been named "The Somerville Field," located in the northwesterly part of the city, bordered by Powder House boulevard and Alewife brook.

About 5.5 acres have been laid out and graded for playing baseball and football, and a reinforced grand stand constructed,



with a seating capacity of about 4,500 persons, the total expenditure being as follows:—

**Cost of Constructing Reinforced Concrete Grand Stand and Football and Baseball Fields.**

Excavating material and constructing concrete foundations for piers below grade 12 (503 cubic yards concrete), day labor and materials . . . . .	\$2,807 73	
Constructing grand stand, reinforced concrete (315 cubic yards concrete), as per agreement . . . . .	4,682 50	
Constructing front seat, centre entrance, and end walls of grand stand (36 cubic yards concrete) . . . . .	397 28	
Wire lathing, coloring and finishing curtain walls on rear and ends of stand . . . . .	341 40	
Labor, placing girders, reinforcement for concrete, and miscellaneous work . . . . .	260 75	
Lumber, 6"x12" girders and 2" plank for seats, foot rests, etc. . . . .	1,541 77	
Labor and hardware, building seats . . . . .	998 53	
Building dressing-room and ticket offices, labor and materials . . . . .	245 73	
Iron and steel used in reinforcement . . . . .	318 80	
Painting and numbering seats . . . . .	93 76	
Supervision . . . . .	100 00	
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Total cost grand stand (including dressing-room and ticket offices) . . . . .		\$11,788 25
Sod for football field and baseball "diamond" (70,000 square feet) . . . . .	\$500 00	
Loam, labor, \$1,350, and teaming, \$1,569.31 (6,750 cubic yards) . . . . .	2,919 31	
Sub-grading field, spreading loam, sodding, seeding, rolling, and miscellaneous work (220,000 square feet = 5.1 acres), labor, \$3,209.26, and teaming, \$414.50 . . . . .	3,623.76	
Grass seed and oats . . . . .	117 90	
Enclosing playfield with temporary wire fence and fencing off playfield,—labor and hardware, \$406.43, lumber, \$102.54, wire meshing, \$201.49, canvas, \$84.11 . . . . .	794 57	
Flag poles, labor erecting, and flags . . . . .	181 53	
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		\$8,137 07
		<hr/>
Total expenditure, 1911, new recreation field . . . . .		\$19,925 32

An unusually heavy foundation had to be constructed for this grand stand, on account of the location being in the old channel of the brook, the course of which has been changed about 300 feet westerly, and adding materially to the cost of the work.

At the dedication of this new field, where teams representing the high schools of Somerville and Brockton played a football game, more than 10,000 people were within the enclosure, and at the Thanksgiving day game 12,000 people attended.

The net proceeds from the high school games, above all expenditures, for the football season of 1911 amounted to about \$2,500.

If this area is laid out and completed as designed, Somerville will have the finest recreation field owned by any city, and would include areas for baseball, football, basket ball, tennis, croquet, playfield for children, outdoor gymnasium, running track, swimming pool, and boating and skating on the brook, a concrete grand stand and field houses, equipped with shower baths, lavatories, dressing rooms, lockers, etc. In the 1910 report a plan was published showing the proposed laying-out.

An area owned by the city, and known as the Collins and Ham ledge property, located on Clarendon Hill, near the Cambridge boundary line, might be developed in the future into a pretty pleasure park, similar in nature to the Powder House park; also, the Holland-street ledge property, owned by the city, and situated in West Somerville, could be developed in the future by laying out a portion of the area for streets and house lots, and the remainder used for a children's playground.

There are a number of vacant lots in the city, owned by private parties, large enough for the purpose of establishing recreation grounds and breathing spaces, which undoubtedly could be obtained for short-term leases by payment of the taxes to the owner of the property, and be of great benefit to a large number in the congested parts of the city.

With all these various parcels of land referred to properly developed in the future as parks, playgrounds, and resting places, the city will be amply provided for in this line, and second to none in the state.

The city's assessment for Metropolitan parks and boulevards for the year 1911 amounted to \$19,300.23 on construction account, \$18,497.03 being the proportional cost for maintaining the same; in addition to this, the city's special assessment for the Charles River Basin amounted to \$13,049.66 on construction account and \$2,581.74 for maintenance; for the improvement of Alewife brook, \$901.67, and for the maintenance of Wellington bridge across Mystic river, \$813.98.

The total of the above assessments amounts to \$55,144.31, being Somerville's proportional payment to the state on account of the Metropolitan park system for the year 1911.

The total assessment paid to the state for parks and boulevards amounts to \$363,575.44 January 1, 1912, and the only length of state boulevard at present constructed in this city consists of seven-tenths of a mile of double roadway, located in the easterly part of the city, and extending between Broadway and Mystic river, and four-tenths of a mile bordering Mystic river at the West Medford line.

In the 1910 report a table was published showing the area,

year acquired, cost of land, cost of construction, present valuation, etc., of all city parks and playgrounds.

The old enclosed athletic field located on land owned by Tufts College and leased to the city for a period of ten years was abandoned by the city July 1, 1911, according to the terms of the lease. The cost of constructing this field, grading, enclosing with board fence, building wooden grand stand, dressing rooms, etc.,

Amounted to . . . . .	\$5,779 95
Cost of maintenance, 1901-1911 . . . . .	6,733 12

Total expenditure by the city, ten years . . . . .	\$12,513 07
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CREDIT.

Received from High School Athletic Association during the ten years, for use of field . . . . .	\$3,370 73
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**PARKS AND PLAYGROUNDS.**

**Maintenance Accounts.**

**STATEMENT OF EXPENSES, 1911.**

(Playgrounds.)		(Parks.)
Broadway Park (15.9 acres):—		
\$196 72	Maintenance of grounds, pond, and general care of property, labor and teams . . . . .	\$857 22
	Trimming and spraying trees . . . . .	98 55
	Drinking fountain, alterations . . . . .	66 29
4 50	Tools and supplies . . . . .	145 61
	Repairing tools and property . . . . .	88 39
	Plants, flowers, bulbs, etc. . . . .	211 65
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\$201 22		\$1,467 71
Broadway Parkway (2.0 acres):—		
	Maintenance of grounds, labor and teams . . . . .	\$242 90
	Plants, flowers, etc. . . . .	60 00
		<hr/>
		\$302 90
Central Hill Park (13.1 acres):—		
\$41 30	Maintenance of grounds and general care of property, labor and teams . . . . .	\$1,196 27
	Re-surfacing concrete walks . . . . .	252 90
	Trimming and spraying trees . . . . .	45 04
	Tools and supplies . . . . .	136 56
	Repairing tools and property . . . . .	72 05
	Plants, flowers, bulbs, shrubs, etc. . . . .	268 40
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\$41 30		\$1,971 22
Lincoln Park (8.3 acres):—		
\$669 15	Maintenance of playground and general care of property, labor and teams . . . . .	\$540 80
	Repairing flag pole . . . . .	44 54
12 59	Tools and supplies . . . . .	81 12
86 89	Repairing property and tools . . . . .	66 45
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\$768 63		\$732 91

(Playgrounds.)	(Parks.)
Prospect Hill Park (2.6 acres):—	
\$27 00	Maintenance of grounds and observation tower, labor and teams . . . . . \$978 73
	Tools and supplies . . . . . 50 80
	Repairing tools and property . . . . . 62 75
	\$1,092 33
Tufts Park (4.5 acres):—	
\$35 98	Maintenance of grounds and Old Powder House, labor and teams . . . . . \$651 86
	Tools and supplies . . . . . 26 88
	Repairing tools and property . . . . . 79 09
	Plants, flowers, bulbs, etc. . . . . 132 85
	\$890 68
Paul Revere Park (.02 acre):—	
	Maintenance of grounds, labor . . . . . \$26 35
Belmont Street Park (0.4 acre):—	
	Maintenance of grounds, labor and teams . . . . . \$114 81
	Repairing tools and property . . . . . 7 28
	Plants, flowers, bulbs, etc. . . . . 73 20
	\$195 29
Powder House Square Parkway (0.2 acre):—	
	Maintenance of area between streets, labor . . . . . \$111 42
	Shrubs, etc. . . . . 8 25
	\$119 67
Powder House Boulevard (1 1-3 miles long):—	
	Maintenance of roadway, walks, and grass plots, labor and teams . . . . . \$297 50
	Trimming and spraying trees . . . . . 97 70
	Improvement of roadway with "tarvia" . . . . . 268 93
	\$664 13
Cemetery, Somerville avenue (0.7 acre):—	
	Maintenance of grounds, labor and teams . . . . . \$104 82
	Trimming and spraying trees . . . . . 10 61
	\$115 43
Old Athletic Field, Tufts College land (4.4 acres leased, lease expired July, 1911):—	
\$309 30	Maintenance of playfield and care of property, labor and teams . . . . . \$67 41
6 00	Supplies . . . . .
112 55	Repairing property, fence, seats, etc.
\$427 85	
"Somerville Field," at Alewife Brook (11.5 acres, new 1911):—	
\$561 44	Maintenance of playfield and care of property, labor and teams . . . . . \$29 72
	Trees and shrubs . . . . . 53 50
109 79	Tools and supplies . . . . . 50 33
35 78	Repairing tools and property . . . . . 15 50
191 56	Temporary fencing and dressing room . . . . . 176 29
	Dedication of new field, band, printing, labor, etc.
243 25	
\$1,141 82	\$325 34



(Playgrounds.)		(Parks.)
	Playground, Cedar street and Broadway (4.3 acres):—	
\$338 65	Maintenance of playfield, labor and teams .	\$23 35
	Shrubs, etc. . . . .	41 25
51 09	Gymnastic apparatus, swings, etc.	
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\$389 74		\$64 60
	Playground, Glen street and Oliver street (0.9 acre + 1.5 acres leased):—	
\$126 91	Maintenance of playfield, labor and teams .	\$27 00
12 80	Supplies and repairs . . . . .	4 79
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\$139 71		\$31 79
	Playground, Kent street and Somerville avenue (0.8 acre):—	
\$64 37	Maintenance of playfield, labor and teams .	\$29 67
16 00	Swings, basket ball, etc.	
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\$80 37		
	Playground, Beacon street, near Washington street (0.2 acre):—	
\$26 75	Maintenance of grounds, labor and teams .	\$17 80
	Repairing fence . . . . .	59 52
		<hr/>
		\$77 32
	Playground, Webster avenue, near Cambridge line (0.2 acre):—	
\$20 75	Maintenance of grounds, labor	
	Playground, Poplar street and Joy street (0.5 acre):—	
\$22 76	Maintenance of grounds, labor	
	Playground, Mason street and Broadway (0.3 acre):—	
\$22 50	Maintenance of grounds, labor	
	Playgrounds, Fellsway East (2.5 acres, leased):—	
\$46 35	Maintenance of playfield, labor	
7 90	Supplies	
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\$54 25		
	Total expenditure, maintenance (70.4 acres) 65.7 acres city property + 4.4 acres leased land, 0.7 acre cemetery and 1.36 miles boulevard, and 0.54 mile parkway, roads	
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\$3,400 63		\$8,174 75

Playgrounds and Recreation.	CREDIT.	Parks.
	Appropriation for parks . \$7,900 00	
	Received from other de- partments, labor, etc. . 275 00	
	<u>          </u>	<u>\$8,175 00</u>
	\$3,000 00 Appropriation for playgrounds	
	400 79 Received, partial receipts from "Somerville Field"	
<u>\$3,400 79</u>		
\$0 16	Balance unexpended . . . . .	\$0 25
	(Expenditure, 1911, under direction of school committee, for summer playgrounds, city ap- propriation, \$1,600.00.)	

**Appended Table.**

Annexed to this report is a table giving names of all streets in the city, public and private, lengths, widths, and the total mileage; in the 1910 report tables were given showing old names of certain streets as formerly known, and names of public squares in the city.

Respectfully submitted,

ERNEST W. BAILEY,  
City Engineer.

TABLE SHOWING THE LOCATION, LENGTH AND WIDTH OF  
PUBLIC AND PRIVATE STREETS.

STREET.	FROM	To	Public or Private.	Width in Feet.	LENGTH.	
					Public.	Private.
Abdell . . . . .	Somerville ave. .	Southwesterly . .	Private.	25	....	203
Aberdeen road .	Cedar st. . . . .	Highland ave. . .	Private.	40	....	411
Aberdeen road ext.	Angle . . . . .	Westerly . . . . .	Private.	30	...	67
Acadia pk. . . .	Somerville ave. .	Northeasterly . .	Private.	40	....	256
Adams . . . . .	Broadway . . . .	Medford st. . . .	Public.	40	907	....
Addison pl. . .	Somerville ave. .	Southwesterly . .	Private.	20	....	150
Adelaide rd. . .	Somerville ave. .	Easterly . . . . .	Private.	20	....	138
Adrian . . . . .	Marion st. . . . .	Joseph st. . . . .	Public.	40	579	....
Albion pl. . . . .	Albion st. . . . .	Northeasterly . .	Private.	10	....	166
Albion ct. . . . .	Albion st. . . . .	Southwesterly . .	Private.	16	....	116
Albion . . . . .	Central st. . . . .	Cedar st. . . . .	Public.	40	2,742	....
Albion . . . . .	Broadway . . . . .	Medford line . . .	Private.	50	...	100
Albion ter. . . .	Albion st. . . . .	Southwesterly . .	Private.	25	....	100
Aldersey . . . .	Walnut st. . . . .	Vinal ave. . . . .	Public.	40	508	....
Aldrich . . . . .	Pearl st. . . . .	B. & L. R. R. . .	Public.	40	611	....
Alfred . . . . .	Broadway . . . . .	Medford line . . .	Private.	50	....	50
Allen . . . . .	Somerville ave. .	Charlestown st. .	Private.	25	....	680
Allen ct. . . . .	Park st. . . . .	Northwesterly . .	Private.	20	....	150
Alpine . . . . .	Cedar st. . . . .	Southeasterly . .	Public.	30	667	....
Alpine . . . . .	Alpine st. . . . .	Lowell st. . . . .	Public.	40	688	....
Alston . . . . .	Cross st. . . . .	Shawmut pl. . . .	Public.	40	567	....
Ames . . . . .	Bartlett st. . . .	Robinson st. . . .	Public.	40	580	....
Appleton . . . .	Willow ave. . . .	Clifton st. . . . .	Public.	40	548	....
Appleton . . . .	Clifton st. . . . .	Liberty ave. . . .	Public.	40	120	....
Arlington . . . .	Franklin st. . . .	Lincoln st. . . . .	Public.	40	452	....
Arnold ave. . . .	Porter st. . . . .	Southeasterly . .	Private.	15	....	127
Arnold ct. . . . .	Beacon st. . . . .	Northeasterly . .	Private.	10	....	115
Arthur ct. . . . .	Linden st. . . . .	Easterly . . . . .	Private.	about 10	....	100
Arthur . . . . .	Broadway . . . . .	Bonair st. . . . .	Public.	40	438	....
Ash ave. . . . .	Meacham st. . . .	East Albion st. . .	Public.	40	534	....
Ash ave. . . . .	East Albion st. . .	Northeasterly . .	Private.	40	....	151
Ashland . . . . .	Summer st. . . . .	Sartwell ave. . . .	Public.	30	478	....
Atherton . . . . .	Central st. . . . .	Spring st. . . . .	Public.	40	741	....
Auburn ave. . . .	Cross st. . . . .	B. & L. R. R. . .	Private.	30	....	600
Austin . . . . .	Broadway . . . . .	Mystic ave. . . . .	Public.	40	716	....
Autumn . . . . .	Broadway . . . . .	Bonair st. . . . .	Public.	20	408	....
Avon . . . . .	School st. . . . .	Central st. . . . .	Public.	40	1,360	....
Avon pl. . . . .	Cross st. . . . .	B. & L. R. R. . .	Private.	25	....	150
Bailey . . . . .	North st. . . . .	West Adams st. . .	Private.	40	....	420
Banks . . . . .	Elm st. . . . .	Summer st. . . . .	Public.	40	639	....
Bartlett . . . . .	Vernon st. . . . .	Broadway . . . . .	Public.	40	1,550	....
Bartlett . . . . .	Washington st. . .	Southerly . . . . .	Private.	20	...	200
Barton . . . . .	Broadway . . . . .	Russell road. . . .	Private.	40	....	382
Bay State ave. . .	Broadway . . . . .	Fosket st. . . . .	Public.	40	1,237	....
Beach ave. . . . .	Webster ave. . . .	Columbia st. . . . .	Private.	about 20	....	200
Beacon pl. . . . .	Beacon st. . . . .	Northeasterly . .	Private.	15	...	200
Beacon . . . . .	Cambridge line . .	Somerville ave. . .	Public.	66	6,007	....
Beacon ter. . . .	Somerville ave. . .	Northeasterly . .	Private.	24	....	110
Bean's ct. . . . .	Cutter st. . . . .	Southeasterly . .	Private.	16	....	100
Beckwith circle .	Beacon st. . . . .	Southwesterly . .	Private.	20	....	120
Bedford . . . . .	South st. . . . .	Cambridge line . .	Public.	30	165	....
Beech . . . . .	Somerville ave. . .	Atherton st. . . . .	Public.	40	323	....
Bellevue ter. . . .	Albion st. . . . .	Northeasterly . .	Private.	20	....	90
Belknap . . . . .	Broadway . . . . .	Russell road. . . .	Private.	40	....	449
Belmont . . . . .	Somerville ave. . .	Highland ave. . . .	Public.	40	2,192	....
Belmont pl. . . .	Belmont st. . . . .	Southeasterly . .	Private.	25	....	175
Belmont sq. . . .	Belmont st. . . . .	Southeasterly . .	Private.	30	....	75
Belmont sq. . . .	Belmont ter. . . .	No'es'ly & so'ws'y	Private.	20	....	145
Belmont ter. . . .	Belmont st. . . . .	Easterly . . . . .	Private.	15	....	137
Benedict ave. . . .	Broadway . . . . .	Benedict st. . . . .	Private.	20	....	200
Benedict . . . . .	Union st. . . . .	Austin st. . . . .	Public.	40	585	....
Bennett ct. . . . .	Bennett st. . . . .	Prospect st. . . . .	Private.	10	....	100
Bennett . . . . .	Prospect st. . . . .	Bennett ct. . . . .	Private.	40 to 25	....	400
Benton road . . . .	Summer st. . . . .	Hudson st. . . . .	Public.	40	1,208	....
Berkeley . . . . .	School st. . . . .	Central st. . . . .	Public.	40	1,360	....
Berwick . . . . .	Hinckley st. . . . .	Northwesterly . .	Private.	20	....	170
Bigelow . . . . .	Boston st. . . . .	Munroe st. . . . .	Public.	50	208	....
Billingham . . . .	Broadway . . . . .	William st. . . . .	Public.	40	563	....
Bishop's pl. . . . .	Glen st. . . . .	Easterly . . . . .	Private.	10	....	75

Table Showing the Location, Length and Width of Public and Private Streets. — Continued.

STREET.	FROM	TO	Public or Private.	Width in Feet.	LENGTH.	
					Public.	Private.
Blakeley ave. . . .	Fellsway east . . .	Cross st. . . . .	Private.	40	....	630
Bleachery ct. . . .	Somerville ave. . .	Fitchburg R. R. . .	Private.	30	....	450
Bolton . . . . .	Oak st. . . . .	Houghton st. . . . .	Public.	40	476	....
Bonair . . . . .	Cross st. . . . .	Walnut st. . . . .	Public.	40	1,535	....
Bond . . . . .	Broadway . . . . .	Jaques st. . . . .	Public.	40	655	....
Bonner ave. . . . .	Washington st. . . .	Columbus ave. . . .	Public.	40	376	....
Boston ave. . . . .	Medford line . . . .	Mystic river . . . .	Public.	60	915	....
Boston ave. . . . .	Broadway . . . . .	Medford line . . . .	Public.	50	80	....
Boston ave. . . . .	Broadway . . . . .	Highland road . . . .	Public.	65	287	....
Boston ave. . . . .	Highland road . . . .	Prichard ave. . . . .	Public.	50	509	....
Boston ave. . . . .	Prichard ave. . . . .	Easterly to angle in st.	Private.	50	....	146
Boston ave. . . . .	Angle in st. south'y	Morrison ave. . . . .	Private.	40	....	1,025
Boston . . . . .	Washington st. . . . .	Prospect Hill ave. . .	Public.	45	640	....
Boston . . . . .	Prospect Hill av. . . .	Walnut st. . . . .	Public.	40	1,242	....
Bow . . . . .	Union sq. . . . .	Wesley sq. . . . .	Public.	60	658	....
Bow . . . . .	Wesley sq. . . . .	Somerville ave. . . .	Public.	50	570	....
Bowdoin . . . . .	Washington st. . . . .	Lincoln park . . . . .	Public.	40	341	....
Bowers ave. . . . .	Cottage ave. . . . .	Elm st. . . . .	Private.	24	....	288
Bow St. pl. . . . .	Bow st. . . . .	Northwesterly . . . .	Private.	40	....	300
Bradford ave. . . . .	School st. . . . .	Southeasterly . . . . .	Private.	40	....	150
Bradley . . . . .	Pearl st. . . . .	Walter st. . . . .	Public.	40	762	....
Brastow ave. . . . .	Lowell st. . . . .	Porter st. . . . .	Public.	40	686	....
Bristol road . . . . .	Broadway . . . . .	Medford line . . . . .	Private.	40	....	98
Broadway . . . . .	Charlestown line . . . .	Cross st. . . . .	Public.	100	2,590	....
Broadway . . . . .	Cross st. . . . .	Marshall st. . . . .	Public.	100 to 200	2,060	....
Broadway . . . . .	Marshall st. . . . .	Main st. . . . .	Public.	100	1,570	....
Broadway . . . . .	Main st. . . . .	Top of hill . . . . .	Public.	100 to 90	1,030	....
Broadway . . . . .	Top of hill . . . . .	Albion st. . . . .	Public.	90	2,540	....
Broadway . . . . .	Albion st. . . . .	Willow ave. . . . .	Public.	90 to 70	1,030	....
Broadway . . . . .	Willow ave. . . . .	Paulina st. . . . .	Public.	70	3,250	....
Broadway . . . . .	Paulina st. . . . .	Arlington line . . . .	Public.	65-60-65	3,220	....
Broadway pl. . . . .	Broadway . . . . .	Southwesterly . . . .	Private.	22	....	250
Bromfield road . . . .	Warner st. . . . .	Dearborn road . . . .	Public.	40	1,262	....
Brook . . . . .	Glen st. . . . .	Cross st. . . . .	Public.	40	504	....
Browning road . . . . .	Sycamore st. . . . .	Central st. . . . .	Public.	40	679	....
Buckingham . . . . .	Beacon st. . . . .	Dimick st. . . . .	Public.	40	292	....
Buena Vista rd. . . . .	Holland st. . . . .	Arlington Br. R. R. . .	Private.	30	....	275
*Burnham . . . . .	Broadway . . . . .	Powder House Blvd. . .	Private.	40	....	537
Burnside ave. . . . .	Elm st. . . . .	Summer st. . . . .	Public.	40	720	....
Cady av. . . . .	Simpson ave. . . . .	Northwesterly . . . .	Private.	40	....	194
Caldwell ave. . . . .	Washington st. . . . .	Southerly . . . . .	Private.	20	....	210
Calvin . . . . .	Beacon st. . . . .	Dimick st. . . . .	Public.	40	263	....
Calvin . . . . .	Dimick st. . . . .	Washington st. . . . .	Public.	30	392	....
Cambria . . . . .	Central st. . . . .	Benton road . . . . .	Public.	40	488	....
Cameron ave. . . . .	Holland st. . . . .	Cambridge line . . . .	Public.	60	1,065	....
Campbell pk. . . . .	Meacham rd. . . . .	Kingston st. . . . .	Public.	40	399	....
Campbell Pk. pl. . . . .	Kingston st. . . . .	Arlington Br. R. R. . .	Private.	20	....	84
Carlton . . . . .	Somerville ave. . . . .	Lake st. . . . .	Public.	40	300	....
Carver . . . . .	Porter st. . . . .	Northwesterly . . . .	Private.	40	....	156
Cedar ave. . . . .	Cedar st. . . . .	Linden ave. . . . .	Private.	22	....	290
Cedar ct. . . . .	Cedar st. . . . .	Southeasterly . . . . .	Private.	15+	....	70+
Cedar St. pl. . . . .	Murdock st. . . . .	Southwesterly . . . .	Private.	20	....	220
Cedar St. pl. . . . .	Cedar n'r Elm st. . . .	Southeasterly . . . . .	Private.	12+	....	80+
Cedar . . . . .	Elm st. . . . .	Broadway . . . . .	Public.	40	4,137	....
Central . . . . .	Somerville ave. . . . .	Summer st. . . . .	Public.	33	1,043	....
Central . . . . .	Summer st. . . . .	Medford st. . . . .	Public.	40	2,539	....
Central . . . . .	Medford st. . . . .	Broadway . . . . .	Public.	45	1,079	....
Centre . . . . .	Albion st. . . . .	B. & L. R. R. . . . .	Private.	35	....	200
Chandler . . . . .	Park ave. . . . .	Broadway . . . . .	Public.	40	1,232	....
Chapel . . . . .	College ave. . . . .	Chandler st. . . . .	Public.	40	273	....
Chapel ct. . . . .	Sycamore st. . . . .	Northwesterly . . . .	Private.	12	....	130
Charles . . . . .	Washington st. . . . .	Southerly . . . . .	Public.	30	166	....
Charlestown . . . . .	Allen st. . . . .	Easterly . . . . .	Private.	15	....	400
Charnwood road . . . .	Willow ave. . . . .	Hancock st. . . . .	Public.	40	589	....
*Chelsea . . . . .	Mystic ave. . . . .	Melrose st. . . . .	Private.	50	....	1,390

\*Proposed.



Table Showing the Location, Length and Width of Public and Private Streets. — Continued.

STREET.	FROM	To	Public or Private.	Width in Feet.	LENGTH.	
					Public.	Private.
Cherry . . . . .	Elm st. . . . .	Highland ave. . . . .	Public.	45	1,450	....
Chester . . . . .	Elm st. . . . .	Cambridge line . . . . .	Public.	40	885	....
Chester ave. . . . .	Medford st. . . . .	Angle . . . . .	Public.	about 22	220	....
Chester ave. . . . .	Angle . . . . .	Cross st. . . . .	Private.	20	....	445
Chester pl. . . . .	Chester st. . . . .	Northwesterly . . . . .	Private.	40	....	200
Chestnut . . . . .	Poplar st. . . . .	Southeasterly . . . . .	Public.	40	537	....
Chetwynd road . . . . .	Curtis st. . . . .	Proposed st. . . . .	Private.	40	....	656
Church . . . . .	Summer st. . . . .	Lake st. . . . .	Public.	40	964	....
City road . . . . .	Broadway . . . . .	Cedar st. . . . .	Private.	45	....	980
Claremon . . . . .	Holland st. . . . .	Mead st. . . . .	Public.	40	560	....
Clarendon ave. . . . .	Broadway . . . . .	Cambridge line . . . . .	Public.	40	1,217	....
Clark . . . . .	Newton st. . . . .	Lincoln parkway . . . . .	Private.	35	....	545
Cleveland . . . . .	Central st. . . . .	Harvard st. . . . .	Public.	40	459	....
Clifton . . . . .	Appleton st. . . . .	Morrison ave. . . . .	Public.	40	200	....
Clifton . . . . .	Morrison ave. . . . .	Arlington Br. R.R. . . . .	Private.	40	....	220
Clyde . . . . .	Cedar st. . . . .	Murdock st. . . . .	Private.	30	....	600
College ave. . . . .	Davis sq. . . . .	Medford line . . . . .	Public.	60	4,080	....
Columbia . . . . .	Webster ave. . . . .	Cambridge line . . . . .	Public.	40	816	....
Columbia ct. . . . .	Columbia st. . . . .	Webster ave. . . . .	Private.	9	....	150
Columbus ave. . . . .	Washington st. . . . .	Walnut st. . . . .	Public.	40	1,425	....
Concord ave. . . . .	Prospect st. . . . .	Wyatt st. . . . .	Public.	40	1,483	....
Concord ave. . . . .	Wyatt st. . . . .	Beacon st. . . . .	Public.	30	472	....
Congress pl. . . . .	Linwood st. . . . .	Somerville ave. . . . .	Public.	50	202	....
Conlon ct. . . . .	Columbia st. . . . .	Easterly . . . . .	Private.	20	....	200
Conwell ave. . . . .	Curtis st. . . . .	North st. . . . .	Public.	40	1,346	....
Conwell . . . . .	Highland ave. . . . .	Southwesterly . . . . .	Public.	35	363	....
Cooney . . . . .	Beacon st. . . . .	Line st. . . . .	Private.	30	....	220
Corinthian road . . . . .	Broadway . . . . .	Cady ave. . . . .	Private.	40	....	640
Cottage ave. . . . .	Russell st. . . . .	Chester st. . . . .	Public.	40	550	....
Cottage circle . . . . .	Cottage ave. . . . .	Southwesterly . . . . .	Private.	25	....	87
Cottage pl. . . . .	Washington st. . . . .	Northwesterly . . . . .	Private.	about 11	....	150
Craigie . . . . .	Somerville ave. . . . .	Summer st. . . . .	Public.	50	1,280	....
Craigie ter. . . . .	16 Craigie st. . . . .	Westerly . . . . .	Private.	25	....	126
Crescent . . . . .	Washington st. . . . .	Pearl st. . . . .	Private.	30 to 38	....	650
Crocker . . . . .	Highland ave. . . . .	Crown st. . . . .	Public.	40	528	....
Cross . . . . .	Medford st. . . . .	Broadway . . . . .	Public.	45	2,680	....
Cross . . . . .	Broadway . . . . .	Mystic ave. . . . .	Public.	40	1,100	....
Cross St. pl. . . . .	Cross st. . . . .	Northwesterly . . . . .	Private.	24	....	150
Crown . . . . .	Porter st. . . . .	Lowell st. . . . .	Private.	30	....	700
Curtis ave. . . . .	Curtis st. . . . .	Proposed st. . . . .	Private.	40	....	654
Curtis . . . . .	Broadway . . . . .	Medford line . . . . .	Public.	40	2,357	....
Cutler . . . . .	Hinckley st. . . . .	Northwesterly . . . . .	Private.	20	....	170
Cutter ave. . . . .	Summer st. . . . .	Highland ave. . . . .	Public.	40	480	....
Cutter pk. . . . .	Cutter ave. . . . .	Northwesterly . . . . .	Private.	12	....	83
Cutter . . . . .	Broadway . . . . .	Webster st. . . . .	Public.	40	730	....
Cypress . . . . .	Central st. . . . .	Beech st. . . . .	Public.	40	262	....
Dana . . . . .	Bonair st. . . . .	Pearl st. . . . .	Public.	40	696	....
Dane . . . . .	Somerville ave. . . . .	Washington st. . . . .	Public.	40	1,341	....
Dane ave. . . . .	Dane st. . . . .	Leland st. . . . .	Public.	30	569	....
Dante terrace . . . . .	Craigie st. . . . .	Westerly . . . . .	Private.	25	....	125
Dartmouth . . . . .	Medford st. . . . .	Broadway . . . . .	Public.	40	1,465	....
Day . . . . .	Elm st. . . . .	Cambridge line . . . . .	Public.	40	908	....
Dearborn road . . . . .	Boston ave. . . . .	College ave. . . . .	Public.	50	469	....
Delaware . . . . .	Aldrich st. . . . .	Pearl st. . . . .	Public.	40	451	....
Dell . . . . .	Glen st. . . . .	Tufts st. . . . .	Public.	40	466	....
Derby . . . . .	Temple st. . . . .	Grant st. . . . .	Public.	40	831	....
Derby . . . . .	Grant st. . . . .	Wheatland st. . . . .	Private.	40	....	200
Dexter . . . . .	Broadway . . . . .	Medford line . . . . .	Private.	50	....	25
Dickinson . . . . .	Springfield st. . . . .	Beacon st. . . . .	Public.	40	770	....
Dickson . . . . .	Broadway . . . . .	Fairmount ave. . . . .	Private.	40	....	271
Dimick . . . . .	Concord ave. . . . .	Calvin st. . . . .	Public.	40	957	....
Dix pl. . . . .	Linwood st. . . . .	Southwesterly . . . . .	Private.	10	....	100
Dover . . . . .	Elm st. . . . .	Cambridge line . . . . .	Public.	40	975	....
Dow . . . . .	PowderHouseBd . . . . .	Ware st. . . . .	Private.	40	....	257
Downer pl. . . . .	Downer st. . . . .	B. & L. R. R. . . . .	Private.	20	....	125
Downer . . . . .	Nashua st. . . . .	Southeasterly . . . . .	Private.	20	....	120

Table Showing the Location, Length and Width of Public and Private Streets. — Continued.

STREET.	FROM	To	Public or Private.	Width in Feet.	LENGTH.		
					Public.	Private.	
Dresden circle	Cutter ave. . . .	Westerly . . . .	Private.	30	...	133	
Durham . . . .	Beacon st. . . .	Hanson st. . . .	Public.	40	423	....	
Dynamo . . . .	Willow ave. . . .	Whipple st. . . .	Private.	30	....	255	
Earle . . . .	South st. . . .	Fitchburg R. R. . .	Private.	30	...	322	
East Albion . . .	Mt. Vernon ave. . .	E. of Moreland st. .	Private.	25	...	188	
East Albion . . .	E. of Moreland st. .	Medford line. . . .	Private.	40	...	490	
Eastman road. . .	Highland ave. . . .	Southwesterly . . .	Public.	40	296	....	
*Edgeworth . . .	Mystic ave. . . .	Melrose st. . . .	Private.	50	....	1380	
Edmands . . . .	Broadway . . . .	near Bonair st. . . .	Public.	40	376	....	
Edmonton ave. . .	Cross st. . . .	Fellsway east . . . .	Private.	40	....	630	
Electric ave. . . .	Mason st. . . .	Packard ave. . . .	Private.	40	....	632	
Electric ave. . . .	Packard ave. . . .	Curtis st. . . .	Public.	40	681	....	
Eliot . . . .	Vine st. . . .	Park st. . . .	Public.	40	291	....	
Ellington road . .	Highland ave. . . .	Northeasterly . . . .	Private.	35	....	120	
Ellington road . .	West st. . . .	Northwesterly . . . .	Private.	30	....	405	
Ellsworth . . . .	Cross st. . . .	Rush st. . . .	Public.	40	230	....	
Elm ct. . . .	Villa ave. . . .	Northwesterly . . . .	Private.	18	....	70	
Elm pl. . . .	Harvard st. . . .	Westerly . . . .	Private.	30	....	190	
Elm . . . .	Somerville ave. . . .	Cherry st. . . .	Public.	63	1,672	....	
Elm . . . .	Cherry st. . . .	White st. . . .	Public.	63 to 60	330	....	
Elm . . . .	White st. . . .	Banks st. . . .	Public.	60	660	....	
Elm . . . .	Banks st. . . .	Beech st. . . .	Public.	60 to 77.5	290	....	
Elm . . . .	Beech st. . . .	Tenney st. . . .	Public.	77.5 to 60	570	....	
Elm . . . .	Tenney st. . . .	Davis sq. . . .	Public.	60	1,429	....	
Elmwood . . . .	Holland st. . . .	Cambridge line . . .	Public.	40	1,057	....	
Elmwood ter. . . .	Elmwood st. . . .	Easterly . . . .	Private.	20	....	190	
Elston . . . .	Elm st. . . .	Summer st. . . .	Public.	40	396	....	
Emerson . . . .	Everett st. . . .	Newton st. . . .	Private.	30	....	170	
Emery . . . .	Fitchburg R. R. . .	South st. . . .	Private.	30	....	335	
Endicott ave. . . .	Broadway . . . .	Woodstock st.(Ext'n)	Private.	40	....	800	
Essex . . . .	Medford st. . . .	Richdale ave. . . .	Public.	40	232	....	
Eustis . . . .	Beacon st. . . .	Cambridge line . . .	Private.	30	....	150	
Everett ave. . . .	Cross st. . . .	Dana st. . . .	Public.	40	845	....	
Everett . . . .	Webster ave. . . .	Newton st. . . .	Private.	30	....	350	
Evergreen ave. . .	Marshall st. . . .	Sycamore st. . . .	Public.	40	1,320	....	
Evergreen sq. . . .	Porter st. . . .	Southeasterly . . . .	Private.	8	...	200	
Exchange pl. . . .	Washington st. . . .	Southerly . . . .	Private.	4.5	....	70	
Fairlee . . . .	Cherry st. . . .	Northwesterly . . . .	Public.	30	144	....	
Fairmount ave. . .	Curtis st. . . .	Northwesterly . . . .	Public.	40	679	....	
Fairview ter. . . .	Sycamore st. . . .	Southwesterly . . . .	Private.	15	....	173	
Farragut ave. . . .	Broadway . . . .	Woodstock st.(Ext'n)	Public.	40	905	....	
†Fellsway . . . .	Mystic ave. . . .	Mystic river . . . .	Public.	70 to 130	2,500	....	
†Fellsway east . .	(Winthrop ave.)	Broadway . . . .	Mystic ave. . . .	Public.	50	1,222	....
†Fellsway west . .	(Chauncey ave.)	Broadway . . . .	Mystic ave. . . .	Public.	50	1,324	....
Fenwick . . . .	Broadway . . . .	Jaques st. . . .	Public.	40	601	....	
Fisk ave. . . .	Hinckley st. . . .	Lowell st. . . .	Private.	20 and 25	....	460	
Fitchburg ct. . . .	Fitchburg st. . . .	Southeasterly . . . .	Private.	10	....	225	
Fitchburg . . . .	Linwood st. . . .	B. & L. R. R. . . .	Private.	40	....	400	
Flint ave. . . .	Flint st. . . .	Northerly . . . .	Private.	40	....	200	
Flint . . . .	Franklin st. . . .	Aldrich st. . . .	Public.	40	1,790	....	
Florence . . . .	Washington st. . . .	Perkins st. . . .	Public.	40	1,304	....	
Florence ter. . . .	Jaques st. . . .	Southwesterly . . . .	Private.	20	....	90	
Forest . . . .	Beacon st. . . .	Cambridge line . . .	Public.	40	117	....	
Forster . . . .	Sycamore st. . . .	Central st. . . .	Private.	30	....	430	
Fosket . . . .	Willow ave. . . .	Liberty ave. . . .	Public.	40	668	....	
Fountain ave. . . .	Cross st. . . .	Glen st. . . .	Public.	30	578	....	
Francesca ave. . . .	College ave. . . .	Liberty ave. . . .	Public.	40	762	....	
Francis . . . .	Porter st. . . .	Conwell st. . . .	Public.	30	180	....	
Franklin ave. . . .	Washington st. . . .	Franklin st. . . .	Public.	20	575	....	
Franklin pl. . . .	Franklin st. . . .	Southeasterly . . . .	Private.	15	....	100	
Franklin . . . .	Broadway . . . .	Washington st . . . .	Public.	40+	2,316	....	
Frederick ave. . .	Willow ave. . . .	Boston ave. . . .	Private.	40	....	1,217	

\* Proposed.

† Metropolitan Park Commission Boulevard.

**Table Showing the Location, Length and Width of Public and Private Streets. — Continued.**

STREET.	FROM	To	Public or Private.	Width in Feet.	LENGTH.	
					Public.	Private.
Fremont ave.	Bowdoin st.	Lincoln pk.	Public.	3)	232	....
Fremont	Main st.	Near E. Albion st.	Public.	49	1,112	....
Fremont	Near E. Albion st.	Mystic ave.	Private.	40	....	335
Garden ct.	Somerville ave.	Fitchburg R. R.	Private.	25	....	370
Garfield ave.	Broadway	Middlesex ave.	Private.	40	....	1,430
Garrison ave.	Broadway	Land of City of Camb.	Public.	40	460	....
Garrison ave.	Land City of Camb.	Woodstock st. (Ext'n)	Private.	40	....	390
George	Broadway	Lincoln ave.	Public.	30	275	....
Gibbens	Central st.	Benton road	Public.	40	492	....
Gibbens	Benton rd.	Northwesterly	Private.	40	....	133
Giles pk.	Walnut st.	Northwesterly	Public.	32.71	167	....
Gill's ct.	Franklin st.	Westerly	Private.	10	....	100
Gilman	Cross st.	Walnut st.	Public.	40	1,430	....
Gilman ter.	Pearl st.	Northeasterly	Public.	40	360	....
Gilson ter.	Linden ave.	Northwesterly	Private.	20	....	124
Glen	Broadway	Tufts st.	Public.	40	2,373	....
Glendale ave.	Cameron ave.	Yorktown st.	Public.	40	410	....
Glenwood road	Vernon st.	Broadway	Public.	40	1,524	....
Glover circle	Meacham road	Southeasterly	Private.	20	....	110
Gorham	Holland st.	Howard st.	Public.	40	763	....
Gould ave.	Porter st.	Southeasterly	Private.	16	....	156
Gove ct.	Cedar st.	Southeasterly	Private.	15	....	145
Grand View ave.	Walnut st.	Vinal ave.	Public.	40	542	....
Granite	Somerville ave.	Osgood st.	Public.	40	411	....
Grant	Broadway	Mystic ave.	Public.	40	1,405	....
Greene	Summer st.	Laurel st.	Public.	40	555	....
Greenville	Medford st.	Munroe st.	Public.	40	660	....
Greenville ter.	Greenville st.	Northerly	Private.	20	....	250
Greenwood ter.	Beacon st.	Northeasterly	Private.	25	....	165
Grove	Elm st.	Morrison ave.	Public.	40	996	....
Hadley ct.	Franklin st.	Westerly	Private.	20	....	150
Hall ave.	College ave.	Liberty ave.	Public.	40	926	....
Hall	Cedar st.	Cherry st.	Public.	30	456	....
Hamlet	Highland ave.	Boston st.	Public.	30	616	....
Hammond	Dickinson st.	Concord ave.	Public.	40	267	....
Hancock	Elm st.	Highland ave.	Public.	40	1,349	....
Hancock	Highland ave.	Lexington ave.	Public.	50	376	....
Hanson ave.	Hanson st.	Easterly	Private.	30	....	252
Hanson	Washington st.	Skehan st.	Public.	30	469	....
Hanson	Skehan st.	Vine st.	Public.	35	347	....
Hardan road	Powder House Bd.	Ware st.	Private.	20 and 40	....	283
Harding	South st.	Cambridge line	Private.	30	....	115
Harold	Dimick st.	Marion st.	Private.	40	....	317
Harrison	Ivaloo st.	Kent st.	Public.	40	644	....
Harrison	Elmwood st.	Southeasterly	Private.	40	....	210
Harvard pl.	Harvard st.	Westerly	Private.	35	....	200
Harvard	Summer st.	Beech st.	Public.	40	717	....
Hathorn	Broadway	Arlington st.	Public.	40	339	....
Hawkins	Somerville ave.	Washington st.	Public.	40	330	....
Hawthorne	Willow ave.	Cutter ave.	Public.	30	807	....
Hayden ter.	Linden ave.	Easterly	Private.	20	....	120
Heath	Temple st.	Bond st.	Public.	45	1,043	....
Heath	Bond st.	Mt. Vernon ave.	Private.	40	....	386
Heath	Mt. Vernon ave.	Moreland st.	Public.	40	364	....
Henderson	Richardson st.	B. & L. R. R.	Private.	20	....	535
Hennessy ct.	Medford st.	Fisk ave.	Private.	20	....	250
Henrietta ct.	Somerville ave.	Northerly	Private.	8 and 20.	....	161
Henry ave.	Highland ave.	Lexington ave.	Public.	40	290	....
Herbert	Chester st.	Day st.	Public.	40	337	....
Hersey	Berkeley st.	Oxford st.	Private.	40	....	230
Highland ave.	Medford st.	Davis sq.	Public.	69	9,135	....
Highland p'th, east	Morrison ave.	Arlington Br. R. R.	Private.	10	....	107
Highland p'th, west	Morrison ave.	Arlington Br. R. R.	Private.	10	....	108
*Highland road	Morrison ave.	Boston ave.	Public.	30, 70 wide)	1,499	....

\*Roadway (only) accepted 30 feet wide, full width of street 70 feet.



**Table Showing the Location, Length and Width of Public and Private Streets.— Continued.**

STREET.	FROM	To	Public or Private.	Width in Feet.	LENGTH.	
					Public.	Private.
Hill . . . . .	Broadway . . . .	Fairmount ave. . .	Public.	40	234	....
Hillside ave. . . .	Pearl st. . . . .	Southwesterly . .	Private.	30	....	150
Hillside cir. . . .	Craigie st. . . . .	Westerly . . . . .	Private.	16	....	151
Hillside pk. . . . .	Walnut st. . . . .	Northwesterly . .	Public.	40	....	196
Hillside rd. . . . .	Conwell ave. . . .	Sunset rd . . . . .	Private.	40	....	632
Hinckley . . . . .	Broadway . . . . .	B. & L. R. R. . . .	Public.	30 and 35	1,081	....
Hodgdon pl. . . . .	Dane ave. . . . .	Northeasterly . .	Private.	about 20	....	150
Holland . . . . .	Davis sq. . . . .	Broadway . . . . .	Public.	60	2,696	....
Holt's ave. . . . .	Oak st. . . . .	Southeasterly . .	Private.	10	....	100
Holyoke road. . . .	Elm st. . . . .	Elm st. . . . .	Public.	40	637	....
Homer sq. . . . .	Bonner ave. . . . .	Northwesterly . .	Public.	30+	200	....
Horace . . . . .	South st. . . . .	Fitchburg R. R. . .	Private.	30	....	510
Houghton . . . . .	Springfield st. . .	Cambridge line. . .	Public.	40	653	....
Howard . . . . .	Thorndike st. . . .	Gorham street . . .	Public.	40	431	....
Howe . . . . .	Marshall st. . . . .	School st. . . . .	Public.	40	445	....
Hudson. . . . .	Central st. . . . .	Cedar st. . . . .	Public.	40	2,760	....
Hunting . . . . .	South st. . . . .	Cambridge line . .	Private.	30	....	125
Ibbetson . . . . .	Somerville ave. . .	Lowell st. . . . .	Public.	40	802	....
Irving . . . . .	Holland st. . . . .	Broadway . . . . .	Public.	40	1,180	....
Ivaloo . . . . .	Beacon st. . . . .	Park st. . . . .	Public.	40	685	....
James . . . . .	Pearl st. . . . .	Veazie st. . . . .	Public.	40	320	....
Jaques . . . . .	Fellsway west . . .	Temple st. . . . .	Public.	40	1,182	....
Jaques . . . . .	Temple st. . . . .	Bond st. . . . .	Public.	45	1,005	....
Jasper pl. . . . .	Walnut st. . . . .	Easterly . . . . .	Private.	20	....	80
Jasper . . . . .	Pearl st. . . . .	Gilman st. . . . .	Public.	40	283	....
Jay . . . . .	Holland st. . . . .	Howard st. . . . .	Public.	40	534	....
Jerome ct. . . . .	Sycamore st. . . . .	Jerome st. . . . .	Private.	10	....	150
Jerome . . . . .	Montrose st. . . . .	Jerome ct. . . . .	Private.	20	....	125
Jerome . . . . .	Lawrence rd. . . . .	Mystic Valley Park'y	Private:	40	....	495
Joseph . . . . .	Newton st. . . . .	Lincoln parkway . .	Public.	40	458	....
Josephine ave. . . .	Morrison ave. . . .	Broadway . . . . .	Public.	45	1,718	....
Joy . . . . .	Washington st. . . .	Poplar st. . . . .	Public.	30	1,121	....
Joy St. pl. . . . .	Joy st. . . . .	Southwesterly . .	Private.	30	....	175
Kenneson road . . . .	Broadway . . . . .	Walnut road . . . .	Private.	30	....	338
Kensington ave. . . .	Broadway . . . . .	Blakeley ave. . . .	Public.	40	455	....
*Kensington ave. . . .	Blakeley ave. . . . .	Middlesex ave. . . .	Private.	40	....	1,150
Kent ct. . . . .	Kent st. . . . .	Northerly . . . . .	Private.	about 25	....	420
Kent . . . . .	Somerville ave. . . .	Fitchburg R. R. . .	Public.	40	292	....
Kent . . . . .	Fitchburg R. R. . .	Beacon st. . . . .	Public.	25	386	....
Kenwood . . . . .	College ave. . . . .	Billingham st. . . .	Public.	40	322	....
Kidder ave. . . . .	College ave. . . . .	Willow ave. . . . .	Public.	40	1,329	....
Kilby . . . . .	Somerville ave. . . .	Southwesterly . .	Private.	20	....	180
Kimball . . . . .	Lowell st. . . . .	Craigie st. . . . .	Private.	40	....	303
Kingman road. . . . .	Washington st. . . .	Fitchburg R. R. . .	Private.	25	....	400
Kingston . . . . .	Meacham road . . . .	Cambridge line. . .	Public.	40	647	....
Knapp . . . . .	School st. . . . .	Granite st. . . . .	Public.	40	379	....
Knowlton . . . . .	Tufts st. . . . .	N'E'y line Est. 37	Public.	40	461	....
Knowlton . . . . .	End of above	Oliver st. . . . .	Private.	40	....	464
Lake . . . . .	Hawkins st. . . . .	Church st. . . . .	Public.	40	840	....
Lamson ct. . . . .	Linwood st. . . . .	Poplar st. . . . .	Private.	20	....	370
Landers . . . . .	School st. . . . .	Westerly . . . . .	Private.	40	....	280
Langmaid ave. . . . .	Broadway . . . . .	Heath st. . . . .	Public.	30	353	....
Latin Way . . . . .	Talbot ave. . . . .	Professors row . . .	Private.	60	....	250
Laurel ave. . . . .	Laurel st. . . . .	Northwesterly . .	Private.	18	....	125
Laurel . . . . .	Somerville ave. . . .	Summer st. . . . .	Public.	40	983	....
Lawrence road . . . .	Medford line . . . .	Mystic Valley Park'y	Private.	40	....	585
Lawson ter. . . . .	Putnam st. . . . .	Easterly . . . . .	Private.	5	....	200
Lee . . . . .	Medford st. . . . .	Richdale ave. . . .	Public.	40	385	....
Leland . . . . .	Washington st. . . .	Dane ave. . . . .	Public.	40	359	....
Leon . . . . .	Concord ave. . . . .	Dickinson st. . . . .	Public.	40	155	....
Leonard pl. . . . .	Joy st. . . . .	Northeasterly . . .	Private.	13+	....	98
Leonard st. . . . .	Broadway . . . . .	Powder House Blvd.	Private.	40	....	445
Lesley ave. . . . .	Highland ave. . . . .	Lexington ave. . . .	Public.	40	333	....

\*Proposed.



Table Showing the Location, Length and Width of Public and Private Streets.— Continued.

STREET.	FROM	TO	Public or Private.	Width in Feet.	LENGTH.	
					Public.	Private.
Leslie pl. . . .	H. ighland ave. . .	Northerly . . .	Private.	12	....	75
Lester ter. . . .	Meacham road . . .	Northwesterly . .	Private.	20	....	190
Lexington ave. . .	Willow ave. . . .	Hancock st. . . .	Public.	50	624	....
Lexington ave. . .	Hancock st. . . .	Angle . . . . .	Public.	45 to 40	147	....
Lexington ave. . .	Angle . . . . .	Cedar st. . . . .	Public.	40	578	....
Liberty ave. . . .	Broadway . . . .	Hall ave. . . . .	Public.	40	1,395	....
Liberty ave. . . .	Hall ave. . . . .	Appleton st. . . .	Public.	40	98	....
Liberty rd. . . .	Morrison ave. . .	Liberty ave. . . .	Private.	16	....	200
Lincoln ave. . . .	Lincoln st. . . .	Mt. Vernon st. . .	Public.	30	478	....
Lincoln parkway .	Washington st. . .	Perry st. . . . .	Public.	40	1,520	....
Lincoln pl. . . .	Lincoln ave. . . .	Northerly . . . .	Private.	9	....	120
Lincoln . . . . .	Broadway . . . .	Perkins st. . . . .	Public.	40	550	....
Linden ave. . . .	Elm st. . . . .	Summer st. . . . .	Public.	45	1,083	....
Linden ave. . . .	Summer st. . . . .	Northeasterly . . .	Private.	45	....	250
Linden circle . . .	Linden ave. . . .	Southeasterly . . .	Private.	24	....	120
Linden pl. . . . .	Linden ave. . . .	Northwesterly . . .	Private.	20	....	160
Linden . . . . .	Somerville ave. . .	Charlestown st. . .	Public.	33	587	....
Line . . . . .	Washington st. . .	Cambridge line . . .	Public.	33	1,727	....
Linehan ct. . . .	Linwood st. . . .	Chestnut st. . . .	Private.	about 15	....	200
Linwood pl. . . .	Linwood st. . . .	Southwesterly . . .	Private.	about 12	....	150
Linwood . . . . .	Somerville ave. . .	Washington st. . .	Public.	50	2,114	....
London . . . . .	Linwood st. . . .	B. & L. R. R. . . .	Private.	40	....	340
Loring . . . . .	Somerville ave. . .	Osgood st. . . . .	Public.	40	413	....
Louisburg pl. . . .	Autumn st. . . . .	Easterly . . . . .	Private.	13	....	90
Lovell . . . . .	Broadway . . . .	Electric ave. . . .	Public.	40	385	....
Lowden ave. . . .	Broadway . . . .	Fosket st. . . . .	Public.	40	1,247	....
Lowell . . . . .	Somerville ave. . .	Summer st. . . . .	Public.	36	1,259	....
Lowell . . . . .	Summer st. . . . .	Medford st. . . . .	Public.	40	3,472	....
Lowell circle . . .	Lowell st. . . . .	Westerly . . . . .	Private.	11 and 27.5	....	143
Lowell ter. . . .	Lowell st. . . . .	Northwesterly . . .	Private.	20	....	150
Madison . . . . .	School st. . . . .	Sycamore st. . . . .	Public.	40	891	....
Main . . . . .	Broadway . . . .	Medford line . . . .	Public.	50	966	....
*Malden . . . . .	Mystic ave. . . . .	Melrose st. . . . .	Private.	50	....	1,360
Mallet . . . . .	Willow ave. . . . .	Liberty ave. . . . .	Public.	40	657	....
Malloy ct. . . . .	Somerville ave. . .	Merriam ave. . . .	Private.	30	....	255
Malvern ave. . . .	Cameron ave. . . .	Yorktown st. . . .	Public.	40	410	....
Manila road . . . .	Beacon st. . . . .	Sacramento st. . . .	Private.	40	....	408
Mansfield . . . .	Somerville ave. . .	Washington st. . . .	Public.	40	735	....
Maple ave. . . . .	School st. . . . .	Southeasterly . . .	Private.	40	....	300
Maple pl. . . . .	Marshall st. . . .	Maple ave. . . . .	Private.	5	....	125
Maple . . . . .	Poplar st. . . . .	Medford st. . . . .	Public.	30	699	....
Mardel circle . . .	Spring st. . . . .	Northwesterly . . .	Private.	8	....	140
Marion . . . . .	Concord ave. . . .	Dimick st. . . . .	Public.	40	1,141	....
Marshall . . . . .	Broadway . . . .	Pearl st. . . . .	Public.	40	1,650	....
Mason . . . . .	Broadway . . . .	Powder House Blvd.	Private.	....	....	683
May pl. . . . .	Hawkins st. . . . .	Easterly . . . . .	Private.	12	....	160
McCarrroll ct. . . .	Clyde st. . . . .	Southwesterly . . .	Private.	25	....	75
McCulphie pl. . . .	Medford st. . . . .	Easterly . . . . .	Private.	10	....	110
McGregor ave. . . .	Wigglesworth st. .	Walnut st. . . . .	Private.	13	....	302
Meacham road . . . .	Dover st. . . . .	Cambridge line . . .	Public.	40	1,060	....
Meacham . . . . .	Mt. Vernon ave. . .	Medford line . . . .	Private.	40	....	800
Mead . . . . .	Cameron ave. . . .	Moore st. . . . .	Private.	40	....	340
Medford . . . . .	Cambridge line . . .	Central st. . . . .	Public.	50	8,047	....
Medford . . . . .	Central st. . . . .	Broadway . . . . .	Public.	55	1,985	....
Melrose . . . . .	Mystic ave. . . . .	Fellsway . . . . .	Private.	50	....	2,310
Melvin . . . . .	Broadway . . . .	Bonair st. . . . .	Public.	40	487	....
Merriam ave. . . .	Merriam st. . . . .	Malloy ct. . . . .	Private.	15	....	255
Merriam . . . . .	Washington st. . . .	Somerville ave. . . .	Public.	40	360	....
Merriam . . . . .	Somerville ave. . . .	Charlestown st. . . .	Public.	30	510	....
Middlesex ave. . . .	Mystic ave. . . . .	Fellsway . . . . .	Public.	60	2,304	....
Milk pl. . . . .	Somerville ave. . . .	Southwesterly . . .	Private.	about 30	....	100
Miller . . . . .	Sacramento st. . . .	Beacon st. . . . .	Private.	33	....	465
Milton . . . . .	Orchard st. . . . .	Cambridge line . . .	Public.	40	223	....
Miner . . . . .	Vernon st. . . . .	Ames st. . . . .	Public.	40	244	....
Mondamin ct. . . .	Ivaloo st. . . . .	Harrison st. . . . .	Private.	25	....	250
Monmouth . . . . .	Central st. . . . .	Westerly . . . . .	Public.	40	267	....
Monmouth . . . . .	End of above . . . .	Harvard st. . . . .	Private.	35	....	200

\*Proposed.

Table Showing the Location, Length and Width of Public and Private Streets. — Continued.

STREET.	FROM	To	Public or Private.	Width in Feet.	LENGTH.	
					Public.	Private.
Montgomery ave.	Broadway . . .	Wellington ave. . .	Public.	40	265	....
Montrose ct. . .	Montrose st. . .	B. & L. R. R. . .	Private.	12	....	110
Montrose . . .	School st. . .	Sycamore st. . .	Public.	40	886	....
Moore . . .	Holland st. . .	Mead st. . .	Public.	40	695	....
Moreland . . .	Main st. . .	Mystic ave. . .	Public.	40	1,471	....
Morgan . . .	Beacon st. . .	Park st. . .	Public.	40	377	....
Morrison ave.	Cedar st. . .	Willow ave. . .	Public.	50	1,366	....
Morrison ave.	Willow ave. . .	College ave. . .	Public.	40	1,690	....
Morrison pl. . .	Morrison ave. . .	Northerly . . .	Private.	20	....	190
Morrison pl. . .	Morrison pl. . .	Easterly . . .	Private.	15	....	175
Mortimer pl. . .	Marshall st. . .	Walter st. . .	Private.	20	....	280
Morton . . .	Glen st. . .	Knowlton st. . .	Public.	40	287	....
Mossland . . .	Somerville ave. . .	Elm st. . .	Public.	40	377	....
Mountain ave.	Linden ave. . .	Porter st. . .	Private.	22	....	310
Mousal pl. . .	North Union st. . .	B. & M. R. R. . .	Private.	20	....	200
Mt. Pleasant ct.	Perkins st. . .	Southwesterly . . .	Private.	40	....	260
Mt. Pleasant . . .	Broadway . . .	Perkins st. . .	Public.	33	584	....
Mt. Vernon ave.	Main st. . .	Meacham st. . .	Private.	50	....	800
*Mt. Vernon ave.	Meacham st. . .	Mystic ave. . .	Private.	50	....	764
Mt. Vernon . . .	Washington st. . .	Pearl st. . .	Public.	40	600	....
Mt. Vernon . . .	Pearl st. . .	Perkins st. . .	Public.	50	473	....
Mt. Vernon . . .	Perkins st. . .	Broadway . . .	Public.	40	590	....
Mt. Vernon ter.	Mt. Vernon ave. . .	Southeasterly . . .	Private.	30	....	162
Munroe . . .	Walnut st. . .	Easterly . . .	Public.	40	375	....
Munroe . . .	End of above . . .	Boston st. . .	Public.	50	1,214	....
Murdock . . .	Cedar st. . .	Clyde st. . .	Private.	30	....	900
Murray . . .	Washington st. . .	Southerly . . .	Private.	30	....	250
Museum . . .	Beacon st. . .	Cambridge line . . .	Public.	40	164	....
Myrtle ct. . .	Myrtle st. . .	Easterly . . .	Private.	10	....	100
Myrtle pl. . .	Myrtle st. . .	Westerly . . .	Private.	20+	....	120
Myrtle . . .	Washington st. . .	Perkins st. . .	Public.	40	1,423	....
Mystic ave. . .	Charlestown line . . .	Union st. . .	Public.	60	378	....
†Mystic ave. . .	Union st. . .	Medford line . . .	Public.	66	6,938	....
Mystic . . .	Benedict st. . .	Mystic ave. . .	Public.	40	336	....
**Mystic Val. Pky.	Medford line . . .	Arlington line . . .	Public.	60	2,336	....
Nashua . . .	Richardson st. . .	B. & L. R. R. . .	Public.	35	637	....
Nevada ave. . .	Village st. . .	Hanson st. . .	Private.	20	....	200
Newberne . . .	Appleton st. . .	Morrison ave. . .	Public.	40	200	....
Newberne . . .	Morrison ave. . .	Arlington Br. R. R. . .	Private.	40	....	173
Newbury park . . .	Newbury st. . .	Southeasterly . . .	Private.	55	....	68
Newbury . . .	Holland st. . .	Cambridge line . . .	Public.	40	1,260	....
Newman pl. . .	Cedar st. . .	Southeasterly . . .	Private.	15	....	100
Newton pl. . .	Newton st. . .	Easterly . . .	Private.	about 10	....	100
Newton . . .	Prospect st. . .	Webster ave. . .	Public.	25	470	....
Newton . . .	Webster ave. . .	Concord ave. . .	Public.	40+	637	....
Norfolk . . .	Webster ave. . .	Cambridge line . . .	Public.	40	283	....
North . . .	Broadway . . .	Medford line b. 17 . . .	Public.	40	1,961	....
North . . .	Medford line b. 17 . . .	Medford line b. 18 . . .	Public.	37 to 42	649	....
North Union . . .	Mystic ave. . .	Northeasterly . . .	Private.	30	....	600
Norton . . .	Nashua st. . .	Southeasterly . . .	Private.	20	....	200
Norwood ave. . .	Broadway . . .	Medford st. . .	Public.	40	350	....
Oak . . .	Prospect st. . .	Angle . . .	Public.	40	665	....
Oak . . .	Angle . . .	Cambridge line . . .	Public.	30	563	....
Oak St. pl. . .	Oak st. . .	Northerly . . .	Private.	4	....	85
Oakland ave. . .	Marshall st. . .	School st. . .	Public.	40	440	....
Olive ave. . .	Linden ave. . .	Peterson ter. . .	Private.	25	....	155
Olive sq. . .	Lake st. . .	Southerly . . .	Private.	about 15	....	100
Oliver . . .	Franklin st. . .	Cross st. . .	Public.	40	1,085	....
Orchard . . .	Cambridge line . . .	Meacham road . . .	Public.	40	1,567	....
Osgood . . .	Granite st. . .	Easterly & west'ly . . .	Private.	40	....	450
Ossipee road . . .	Mason st. . .	Packard ave. . .	Private.	40	....	633
Ossipee road . . .	Packard ave. . .	Curtis st. . .	Public.	40	682	....
Otis . . .	Cross st. . .	Wigglesworth st. . .	Public.	40	1,200	....
Oxford . . .	School st. . .	Central st. . .	Public.	35	1,361	....
Oxford . . .	Beacon st. . .	Cambridge line . . .	Public.	50	100	....

\*Proposed.

\*\*Metropolitan Park Commission Boulevard.

†State Highway Austin St. to Medford line.



**Table Showing the Location, Length and Width of Public and Private Streets. — Continued.**

STREET.	FROM	To	Public or Private.	Width in Feet.	LENGTH.	
					Public.	Private.
Packard ave. . . .	Broadway . . . .	Professors row . . . .	Public.	60	1,758	....
Packard ave. . . .	Professors row . . . .	Medford line . . . .	Private.	60	....	242
Palmer ave. . . .	Franklin st. . . .	Northwesterly . . . .	Private.	20	....	200
Park ave. . . .	College ave. . . .	Wallace st. . . .	Public.	40	....	467
Park pl. . . .	Laurel st. . . .	Easterly . . . .	Private.	30	....	220
Park pl. . . .	Park pl. . . .	Northeasterly . . . .	Private.	20	....	150
Park . . . .	Somerville ave. . . .	Beacon st. . . .	Public.	50	1,238	....
Parker pl. . . .	Porter st. . . .	Northwesterly . . . .	Private.	20	....	150
Parker . . . .	Washington st. . . .	Fremont ave. . . .	Public.	35	....	203
Partridge ave. . . .	Vernon st. . . .	Broadway . . . .	Public.	40	1,467	....
Patten ct. . . .	Cutter st. . . .	Southeasterly . . . .	Private.	8	....	100
Paulina . . . .	Broadway . . . .	Holland st. . . .	Public.	40	....	769
Pearl . . . .	Crescent st. . . .	Mt. Vernon st. . . .	Public.	37	....	341
Pearl . . . .	Mt. Vernon st. . . .	Franklin st. . . .	Public.	50	....	957
Pearl . . . .	Franklin st. . . .	Cross st. . . .	Public.	40	1,060	....
Pearl . . . .	Cross st. . . .	Medford st. . . .	Public.	50	2,447	....
Pearl St. pl. . . .	Pearl st. . . .	Northeasterly . . . .	Private.	20	....	200
Pearl ter. . . .	Pearl st. . . .	Northerly . . . .	Private.	23	....	161
Pearson ave. . . .	Morrison ave. . . .	Boston ave. . . .	Public.	45	1,320	....
Pearson road . . . .	Broadway . . . .	Warner st. . . .	Public.	40	....	564
Pearson road . . . .	Warner st. . . .	Dearborn road . . . .	Private.	40	....	1,090
Pembroke ct. . . .	Pembroke st. . . .	Southwesterly . . . .	Private.	25	....	130
Pembroke . . . .	Central st. . . .	Sycamore st. . . .	Public.	40	....	430
Perkins pl. . . .	Perkins st. . . .	Northeasterly . . . .	Private.	20	....	200
Perkins . . . .	Franklin st. . . .	Charlestown line . . . .	Public.	40	1,336	....
Perry . . . .	Washington st. . . .	Lincoln parkway . . . .	Public.	40	....	606
Peterson ter. . . .	Porter st. . . .	Olive ave. . . .	Private.	7.5	....	155
Pinckney pl. . . .	Pinckney st. . . .	Southeasterly . . . .	Private.	24	....	125
Pinckney . . . .	Washington st. . . .	Perkins st. . . .	Public.	40	1,186	....
Piper ave. . . .	Cedar st. . . .	Westerly . . . .	Private.	26	....	461
Pitman . . . .	Beech st. . . .	Spring st. . . .	Private.	30	....	380
Pitman . . . .	Spring st. . . .	Belmont st. . . .	Private.	26	....	390
Pleasant ave. . . .	Walnut st. . . .	Vinal ave. . . .	Public.	40	....	543
Poplar ct. . . .	Poplar st. . . .	Southeasterly . . . .	Private.	10	....	80
Poplar . . . .	Somerville ave. . . .	Linwood st. . . .	Public.	30	....	351
Poplar . . . .	Linwood st. . . .	Joy st. . . .	Public.	35	....	315
Poplar . . . .	Joy st. . . .	B. & L. R. R. . . .	Private.	35	....	65
Porter ave. . . .	Porter st. . . .	Northwesterly . . . .	Private.	20	....	220
Porter . . . .	Elm st. . . .	Mountain ave. . . .	Public.	45	1,622	....
Porter . . . .	Mountain ave. . . .	Highland ave. . . .	Public.	40	....	415
Powder house boulevard . . . .	Powder house square . . . .	Northwesterly, Mystic river and Medford line . . . .	Public.	80	7,200	....
Powder house ter. . . .	Kidder ave. . . .	Liberty ave. . . .	Public.	40	....	585
Prentiss . . . .	Beacon st. . . .	Cambridge Line . . . .	Private.	35	....	150
Prescott . . . .	Summer st. . . .	Highland ave. . . .	Public.	50	1,110	....
Preston road . . . .	School st. . . .	Summer st. . . .	Public.	40	....	839
Prichard ave. . . .	Morrison ave. . . .	Boston ave. . . .	Public.	40	1,191	....
Princeton . . . .	Alpine st. . . .	Lowell st. . . .	Public.	40	....	648
Princeton . . . .	Lowell st. . . .	Centre st. . . .	Private.	40	....	540
Professors row . . . .	College ave. . . .	Curtis st. . . .	Public.	40	2,000	....
Prospect . . . .	Washington st. . . .	Cambridge line . . . .	Public.	50	2,071	....
Prospect Hill av. . . .	Medford st. . . .	Munroe st. . . .	Public.	40	....	597
Prospect Hill p'k'y . . . .	Munroe st. . . .	Stone ave. . . .	Public.	40	....	400
Prospect pl. . . .	Prospect st. . . .	Newton st. . . .	Private.	20	....	130
Putnam . . . .	Summer st. . . .	Highland ave. . . .	Public.	50	1,262	....
Quincy . . . .	Somerville ave. . . .	Summer st. . . .	Public.	40	781	....
Randolph pl. . . .	Cross st. . . .	Westerly . . . .	Private.	15	....	244
Raymond ave. . . .	Curtis st. . . .	North st. . . .	Public.	40	1,345	....
Record ct. . . .	Broadway . . . .	Southwesterly . . . .	Private.	10	....	110
Reed's ct. . . .	Oliver st. . . .	Southwesterly . . . .	Private.	20	....	105
Remick ct. . . .	Cutter st. . . .	Southeasterly . . . .	Private.	10	....	100
Richardson . . . .	Lowell st. . . .	Hinckley st. l . . . .	Public.	35	....	467
Richardson ter. . . .	Richardson st. . . .	Northeasterly . . . .	Private.	20	....	135
Richdale ave. . . .	School st. . . .	Sycamore st. . . .	Public.	40	....	875
Richmond hi'l's {	Madison st. . . .	Southerly 146' . . . .	Private.	30	....	146
Richmond hi'l's {	Madison st. s'ly 146	Highland ave. . . .	Private.	10	....	140
Roberts . . . .	Hinckley st. . . .	Northwesterly . . . .	Private.	20	....	170

Table Showing the Location; Length and Width of Public and Private Streets.—Continued.

STREET.	FROM	To	Public or Private.	Width in Feet.	LENGTH.	
					Public.	Private.
Robinson . . . .	Central st. . . .	Bartlett st. . . .	Public	40	582	....
Rogers ave. . . .	Morrison ave. . . .	Boston ave. . . .	Public.	45	1,682	....
Roland st. . . .	Waverly st. . . .	Boston line . . . .	Private.	40	....	100
Roseland . . . .	Beacon st. . . .	Cambridge line . . . .	Public.	40	121	....
Rossmore . . . .	Somerville ave. . . .	Washington st. . . .	Public.	40	534	....
Royce pl. . . .	Bonair st. . . .	Northeasterly . . . .	Private.	15+	....	175
Rush . . . .	Broadway . . . .	Flint st. . . .	Public.	40	1,400	....
Russell road . . . .	Broadway . . . .	North st. . . .	Private.	40	....	1,193
Russell . . . .	Elm st. . . .	Cambridge line . . . .	Public.	40	700	....
Sacramento . . . .	Somerville ave. . . .	Fitchburg R. R. . . .	Public.	40	80	....
Sacramento . . . .	Fitchburg R. R. . . .	Beacon st. . . .	Public.	40	290	....
Sacramento . . . .	Beacon st. . . .	Cambridge line . . . .	Private.	40	....	156
Sanborn ave. . . .	Warren ave. . . .	Walnut st. . . .	Public.	40	280	....
Sanborn ct. . . .	Washington st. . . .	Northwesterly . . . .	Private.	30	....	176
Sargent ave. . . .	Broadway . . . .	Walnut st. . . .	Public.	40	1,075	....
Sartwell ave. . . .	Cedar st. . . .	Cherry st. . . .	Private.	35	....	400
Sawyer ave. . . .	Packard ave. . . .	Curtis st. . . .	Private.	40	....	690
School . . . .	Somerville ave. . . .	Highland ave. . . .	Public.	40	1,901	....
School . . . .	Highland ave. . . .	Broadway . . . .	Public.	50	2,500	....
Sellon pl. . . .	Marshall st. . . .	Northwesterly . . . .	Private.	12	....	120
Seven Pines ave . . . .	Cameron ave. . . .	Cambridge line . . . .	Public.	40	92	....
Sewall ct. . . .	Sewall st. . . .	Southwesterly . . . .	Private.	25	..	190
Sewall . . . .	Grant st. . . .	Temple st. . . .	Public.	40	615	....
Shawmut pl. . . .	Shawmut st. . . .	Alston st. . . .	Public.	30	190	....
Shawmut . . . .	Washington st. . . .	Cross st. . . .	Public.	40	575	....
Shedd . . . .	Somerville ave. . . .	Merriam ave. . . .	Private.	40	....	310
Sherman ct. . . .	Sargent ave. . . .	Marshall st. . . .	Private.	10	....	250
Sibley ct. . . .	Cutter st. . . .	Northwesterly . . . .	Private.	10	..	100
Sibley pl. . . .	Cutter st. . . .	Northwesterly . . . .	Private.	10	..	160
Simpson ave. . . .	Broadway . . . .	Holland st. . . .	Private.	40	....	825
Skehan . . . .	Dane st. . . .	Hanson st. . . .	Public.	30	306	....
Skehan . . . .	Hanson . . . .	Durham . . . .	Private.	30	....	414
Skilton ave. . . .	Pearl st. . . .	Pearl st. . . .	Private.	40	....	540
Smith ave. . . .	Beacon st. . . .	Line st. . . .	Private.	25+	....	200
Snow ter. . . .	Jaques st. . . .	Southwesterly . . . .	Private.	16	....	120
Somerville ave. . . .	E. Camb. line . . . .	Union sq. . . .	Public.	75	4,325	....
Somerville ave. . . .	Union sq. . . .	N. Camb. line . . . .	Public.	70	6,793	....
South . . . .	Medford st. . . .	Water st. . . .	Public.	30	989	....
Spencer ave. . . .	Cedar st. . . .	Hancock st. . . .	Public.	40	727	....
Spring ct. . . .	Somerville ave. . . .	Westerly . . . .	Private.	20	....	200
Spring . . . .	Somerville ave. . . .	Summer st. . . .	Public.	40	1,220	....
Springfield . . . .	Concord ave. . . .	Cambridge line . . . .	Public.	40	788	....
Spring Hill ter. . . .	Highland ave. . . .	Belmont st. . . .	Private.	20	....	670
Stanford ter. . . .	Beacon st. . . .	Northeasterly . . . .	Private.	20	....	200
Stickney ave. . . .	Marshall st. . . .	School st. . . .	Public.	40	458	....
St. James ave. . . .	Elm st. . . .	Summer st. . . .	Public.	40	488	....
St. James ave. ext. . . .	Summer st. . . .	Northeasterly . . . .	Private.	30	....	125
Stone ave. . . .	Union sq. . . .	Columbus ave. . . .	Public.	40	676	....
Stone ave. . . .	Columbus ave. . . .	Prospect Hill p'k'y . . . .	Public.	38	107	....
Stone pl. . . .	Stone ave. . . .	Southeasterly . . . .	Private.	30	....	145
Summer . . . .	Bow st. . . .	Elm st. . . .	Public.	45	7,900	....
Summit ave. . . .	Walnut st. . . .	Vinal ave. . . .	Public.	45	532	....
Summit . . . .	College ave. . . .	Billingham st. . . .	Public.	40	262	....
Sumner . . . .	Hinckley st. . . .	Northwesterly . . . .	Private.	20	....	175
Sunnyside ave. . . .	Walnut st. . . .	Wigglesworth st. . . .	Private.	35	....	250
Sunset rd. . . .	Curtis st. . . .	Proposed st. . . .	Private.	40	..	658
Sycamore . . . .	Broadway . . . .	Medford st. . . .	Public.	45	1,275	..
Sycamore . . . .	Medford st. . . .	B. & L. R. R. . . .	Public.	40	667	....
Sycamore . . . .	B. & L. R. R. . . .	Highland ave. . . .	Public.	35	722	....
Sydney . . . .	Grant st. . . .	Temple st. . . .	Public.	40	679	....
Talbot ave. . . .	Packard ave. . . .	College ave. . . .	Private.	50	....	1,409
* Tannery (Ext'n) . . . .	Cambridge line . . . .	Woodstock st (Ext'n) . . . .	Private.	40	....	160
Taunton. . . .	Wyatt st. . . .	Easterly to angle . . . .	Private.	30	....	170
Taunton . . . .	Angle . . . .	Marion st. . . .	Private.	20	....	95
Taylor pl. . . .	Somerville ave. . . .	Southerly . . . .	Private.	15	....	200

\*Proposed.



Table Showing the Location, Length and Width of Public and Private Streets. — Continued.

STREET.	FROM	To	Public or Private.	Width in Feet.	LENGTH.	
					Public.	Private.
Taylor . . . . .	Mystic ave. . . . .	Sydney st. . . . .	Private.	40	....	310
Teele ave. . . . .	Packard ave. . . . .	Curtis st. . . . .	Private.	40	....	685
Temple . . . . .	Broadway . . . . .	Mystic ave. . . . .	Public.	66	1,637	....
Tenney ct. . . . .	Mystic ave. . . . .	Northeasterly . . . . .	Private.	30	....	400
Tennyson . . . . .	Forster st. . . . .	Pembroke st. . . . .	Public.	40	922	....
Thorndike . . . . .	Holland st. . . . .	Arl'ngt'n Br. R. R. . . . .	Public.	40	465	....
Thorndike . . . . .	Arl'gt'n Br. R.R. . . . .	Kingston st. . . . .	Public.	40	115	....
Thorpe . . . . .	Highland ave. . . . .	Southwesterly . . . . .	Public.	30	468	....
Thurston . . . . .	Broadway . . . . .	Richdale ave. . . . .	Public.	40	1,660	....
Timmins pl. . . . .	Dane st. . . . .	Westerly . . . . .	Private.	3.5	....	97
Tower ct. . . . .	Tyler st. . . . .	Northeasterly . . . . .	Private.	25	....	150
Tower . . . . .	Crown st. . . . .	Highland ave. . . . .	Public.	40	559	....
Tremont pl. . . . .	Tremont st. . . . .	Southeasterly . . . . .	Private.	about 10	....	75
Tremont . . . . .	Webster ave. . . . .	Cambridge line . . . . .	Public.	40	589	....
Trull . . . . .	Vernon st. . . . .	Medford st. . . . .	Public.	40	1,050	....
Trull lane . . . . .	Highland ave. . . . .	Oxford st. . . . .	Private.	15	....	200
Tufts parkway . . . . .	College ave. . . . .	College ave. . . . .	Public.	22	900	....
Tufts . . . . .	Washington st. . . . .	Cross st. . . . .	Public.	40	982	....
Tyler . . . . .	Vine st. . . . .	Dane st. . . . .	Public.	40	404	....
Union . . . . .	Broadway . . . . .	Mystic ave. . . . .	Public.	40	345	....
Union pl. . . . .	Linwood st. . . . .	Southwesterly . . . . .	Private.	10	....	100
Upland Park . . . . .	Main st. . . . .	Southwesterly . . . . .	Private.	20	....	175
Veazie . . . . .	Walnut st. . . . .	Bradley st. . . . .	Public.	35	392	....
Veazie . . . . .	Bradley st. . . . .	Marshall st. . . . .	Public.	40	261	....
Vernon . . . . .	Central st. . . . .	Glenwood road . . . . .	Public.	40	764	....
Vernon . . . . .	Glenwood road . . . . .	Partridge ave. . . . .	Public.	40 to 30	190	....
Vernon . . . . .	Partridge ave. . . . .	Lowell st. . . . .	Public.	30	434	....
Victoria . . . . .	Broadway . . . . .	Cambridge line . . . . .	Public.	40	1,036	....
Villa ave. . . . .	Winslow ave. . . . .	Arlington Br. R. R. . . . .	Private.	35	....	200
Village . . . . .	Dane st. . . . .	Vine st. . . . .	Private.	25	....	370
Vinal ave. . . . .	Summer st. . . . .	Highland ave. . . . .	Public.	45	1,425	....
Vinal . . . . .	Richardson st. . . . .	Northeasterly . . . . .	Private.	20	....	200
Vine ct. . . . .	Vine st. . . . .	Northwesterly . . . . .	Private.	25	....	140
Vine . . . . .	Somerville ave. . . . .	Hanson st. . . . .	Private.	40	....	780
Vine . . . . .	Hanson st. . . . .	Beacon st. . . . .	Public.	30	662	....
Virginia . . . . .	Aldrich st. . . . .	Jasper st. . . . .	Public.	40	405	....
Wade ct. . . . .	Cedar st. . . . .	Westerly . . . . .	Private.	20	....	180
Waldo ave. . . . .	Beacon st. . . . .	Dimick st. . . . .	Private.	40	....	277
Waldo . . . . .	Highland ave. . . . .	Hudson st. . . . .	Public.	40	287	....
Walker st. . . . .	Broadway . . . . .	Leonard st. . . . .	Private.	40	....	713
Wallace . . . . .	Holland st. . . . .	Broadway . . . . .	Public.	40	1,342	....
Walnut . . . . .	Bow st. . . . .	Broadway . . . . .	Public.	40	3,948	....
Walnut road . . . . .	Walnut st. . . . .	Kenneson road . . . . .	Private.	40	....	270
Walter pl. . . . .	Walter st. . . . .	Southwesterly . . . . .	Private.	40	....	222
Walter . . . . .	Walnut st. . . . .	{ about 100 ft. N. } { of Bradley st. }	Public.	40	548	....
Ward . . . . .	Medford st. . . . .	Emery st. . . . .	Private.	30	....	450
Ware . . . . .	Curtis st. . . . .	Dow st. . . . .	Private.	40	....	680
Warner . . . . .	Powder House sq. . . . .	Medford line . . . . .	Public.	60	500	....
Warren ave. . . . .	Union sq. . . . .	Columbus ave. . . . .	Public.	40	663	....
Warren . . . . .	Medford st. . . . .	Cambridge line . . . . .	Public.	30 to 40	109	....
Warwick place . . . . .	Warwick st. . . . .	Northeasterly . . . . .	Private.	15	....	150
Warwick . . . . .	Cedar st. . . . .	Warwick pl. . . . .	Public.	40	665	....
Washington ave. . . . .	Washington st. . . . .	Northerly . . . . .	Private.	18	....	350
Washington pl. . . . .	Washington st. . . . .	Southerly . . . . .	Private.	about 7.5	....	114
Washington . . . . .	Charlest'n line . . . . .	Franklin ave. . . . .	Public.	75	1,060	....
Washington . . . . .	Franklin ave. . . . .	Fitchburg R. R. . . . .	Public.	60 to 100	3,977	....
Washington . . . . .	Fitchburg R. R. . . . .	Cambridge line . . . . .	Public.	60	2,344	....
Water . . . . .	South st. . . . .	Northerly . . . . .	Private.	25	....	250
Waterhouse . . . . .	Broadway . . . . .	Cambridge line . . . . .	Private.	40	....	986
Watson . . . . .	Broadway . . . . .	Fairmount ave. . . . .	Private.	40	....	236
Waverly . . . . .	Washington st. . . . .	Roland st. . . . .	Private.	35	....	200
Webster ave. . . . .	Union sq. . . . .	Cambridge line . . . . .	Public.	49.5	1,955	....
Webster . . . . .	Franklin st. . . . .	Cross st. . . . .	Public.	40	1,034	....
Wellington ave. . . . .	Walnut st. . . . .	Montgomery ave. . . . .	Public.	40	215	....
Wellington ave. . . . .	Montgomery ave. . . . .	Easterly . . . . .	Private.	40	....	85

Table Showing the Location, Length and Width of Public and Private Streets. — Concluded.

STREET.	FROM.	TO	Public or Private.	Width in Feet.	LENGTH.	
					Public.	Private.
Wesley pk. . . . .	Wesley sq. . . . .	Northeasterly . . .	Public.	40	405	....
Wesley . . . . .	Pearl st. . . . .	Otis st. . . . .	Public.	40	515	....
West . . . . .	Hawthorne st. . . .	Highland ave. . . .	Public.	30	192	....
West . . . . .	Highland ave. . . .	Artington Br. R. R.	Private.	30	....	266
West Adams . . . . .	Conwell ave. . . . .	Medford line . . . .	Private.	40	....	710
Westminster . . . . .	Broadway . . . . .	Electric ave. . . . .	Public.	40	376	....
Weston ave. . . . .	Clarendon ave. . . .	Broadway . . . . .	Private.	40	....	525
West Quincy . . . . .	Bailey st. . . . .	Medford line . . . .	Private.	40	....	291
Westwood road . . . . .	Central st. . . . .	Benton road . . . . .	Public.	40	489	....
Wheatland . . . . .	Broadway . . . . .	Mystic ave. . . . .	Public.	40	1,364	....
Wheeler . . . . .	Pinckney st. . . . .	Mt. Vernon st. . . .	Public.	40	269	....
Whipple . . . . .	Highland ave. . . . .	Arlington Br. R. R.	Private.	30	....	318
†White . . . . .	Elm st. . . . .	Cambridge line . . . .	Public.	..	307	....
White St. pl. . . . .	White st. . . . .	Southeasterly . . . .	Private.	20	....	200
Whitfield road . . . . .	Packard ave. . . . .	Curtis st. . . . .	Private.	40	....	684
Whitman st. . . . .	Mason st. . . . .	Packard ave. . . . .	Private.	40	....	632
Wigglesworth . . . . .	Bonair st. . . . .	Pearl st. . . . .	Public.	40	744	....
William . . . . .	Chandler st. . . . .	College ave. . . . .	Public.	40	381	....
William . . . . .	Broadway . . . . .	Medford line . . . .	Private.	50	....	45
Williams ct. . . . .	Porter st. . . . .	Northwesterly . . . .	Private.	30	....	150
Willoughby . . . . .	Central st. . . . .	Sycamore st. . . . .	Public.	40	427	....
Willow ave. . . . .	Elm st. . . . .	Broadway . . . . .	Public.	50	3,534	....
Willow pl. . . . .	Cambridge line . . . .	South st. . . . .	Private.	25	....	150
Wilson ave. . . . .	Broadway . . . . .	B. & L. R. R. . . . .	Private.	20	....	310
Wilton . . . . .	Lowell st. . . . .	Hinckley st. . . . .	Public.	35	470	....
Winchester . . . . .	Broadway . . . . .	Medford line . . . . .	Private.	40	....	65
Windom . . . . .	Elm st. . . . .	Summer st. . . . .	Public.	40	300	....
Windsor road . . . . .	Willow ave. . . . .	Hancock st. . . . .	Public.	40	575	....
Windsor st. (Extn.)	Windsor st., Camb.	Fitchburg R. R. . . .	Private.	20	....	530
Winslow ave. . . . .	College ave. . . . .	Clifton st. . . . .	Public.	40	1,123	....
Winter . . . . .	College ave. . . . .	Holland st. . . . .	Public.	30	402	....
Winter Hill cir. . . . .	Broadway . . . . .	Northeasterly . . . .	Private.	25	....	177
Winthrop ave. (Extension.)	Mystic ave. . . . .	Middlesex ave. . . . .	Private.	40	....	583
Woodbine . . . . .	Centre st. . . . .	Lowell st. . . . .	Private.	30	....	600
*Woods ave. . . . .	North st. . . . .	Powder House Blvd.	Private.	40	....	1,350
Woodstock . . . . .	Victoria st. . . . .	Alewife brook . . . .	Private.	40	....	415
*Woodstock (Extension.)	Victoria st. . . . .	Tannery st. (Ext'n.)	Private.	40	....	920
Wyatt circle . . . . .	Wyatt st. . . . .	Wyatt st. . . . .	Private.	20	....	315
Wyatt . . . . .	Concord ave. . . . .	Lincoln parkway . . . .	Public.	40	496	....
Yorktown . . . . .	Cambridge line . . . .	{ N. E. line Mal- vern ave. }	Public.	40	294	....
Yorktown . . . . .	{ N. E. line Malvern ave. }	Northerly . . . . .	Private.	40	....	100

\*Proposed. †Sidewalk in Somerville.

Court . . . . .	11 Albion st. . . . .	Northeasterly . . . .	Private.	9	....	170
Court . . . . .	21 Albion st. . . . .	Northeasterly . . . .	Private.	10	....	100
Court . . . . .	292 Broadway . . . . .	Southwesterly . . . .	Private.	15	....	96
Court . . . . .	612 Broadway . . . . .	Southwesterly . . . .	Private.	20	....	188
Court . . . . .	113 Central st. . . . .	Southeasterly . . . .	Private.	20	....	150
Court . . . . .	227 Columbia st. . . .	Northwesterly . . . .	Private.	10	....	117
Court . . . . .	Conlon ct. . . . .	Windsor st. (Extn.)	Private.	20	....	240
Court . . . . .	36 Craigie st. . . . .	Westerly . . . . .	Private.	25	....	126
Court . . . . .	58 Dane st. . . . .	Easterly . . . . .	Private.	10	....	70
Court . . . . .	20 Dimick st. . . . .	Southwesterly . . . .	Private.	39.25	....	136
Court . . . . .	66 Lowell st. . . . .	Westerly . . . . .	Private.	25	....	101
Court . . . . .	78 Lowell st. . . . .	Westerly . . . . .	Private.	25	....	101
Court . . . . .	10 Stone ave. . . . .	Northwesterly . . . .	Private.	20	....	113
Court . . . . .	Windsor st. (Extn.)	East'ly and West'ly	Private.	20	....	370
Total . . . . .	. . . . .	. . . . .	. . . . .	. . . . .	404,794	105,873

Public, 76.665 miles (includes 3.294 miles boulevards and 1.16 miles State Highway); private, 20.051 miles.  
Total length of streets in the city, 96.716 miles.

## REPORT OF THE STREET COMMISSIONER.

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OFFICE OF THE STREET COMMISSIONER, }  
CITY HALL, SOMERVILLE, January 1, 1912. }

To His Honor, the Mayor, and the Board of Aldermen:—

Gentlemen,—I most respectfully submit the thirty-sixth annual report, containing a brief summary of the principal work performed by the highway department during the year 1911, with recommendations for necessary improvements and additions for the coming year.

The Highways Maintenance appropriation for this department is received from the Commonwealth of Massachusetts, being the amount of the street railway tax and the Boston Elevated Railway tax.

The department is working under an eight-hour-a-day basis, and the two-dollar-a-day men's pay has been increased to \$2.15, also the teamsters' pay to \$2.25, thus increasing the expenditures many thousands of dollars.

This department has charge of the construction, alteration, repair, maintenance, and management of ways, streets, sidewalks, and bridges; also the setting out and care of shade trees, the suppression of gypsy and brown-tail moths, elm-leaf beetles, and the supervision of street watering and oiling.

### Paving.

There is a great problem before the highway department in the construction and care of the highways.

Residents and owners of automobiles are in favor of any kind of a street paving and oil for laying the dust, while owners of horses complain that this kind of construction is very slippery and dangerous to drive upon. I think, however, as the horses become more familiar with this kind of paving the difficulty will be overcome.

In some of the Western cities nearly all of the streets are paved with a sheet paving. This paving is more sanitary and very easy to keep clean, and could be flushed with a flushing machine nightly.

It is out of the question that highways can be constructed as they were years ago and stand the automobile travel. Many of the large concerns and corporations are being equipped with auto trucks, which means that the city must construct the highways to stand the wear of this modern transportation.

The department has followed out the usual custom of constructing one or more thoroughfares each year.

Portions of Elm, Holland, Beacon streets, Mystic avenue, and Broadway, with Teele square and Ball square, were



constructed with permanent paving. (See table in back of report for kind and cost of paving.)

Walnut street, the connecting link between the Fells and the Fens, and used almost exclusively by automobilists, has been resurfaced with a "Tarvia" and "A" binder.

The average cost of macadam and tarvia was \$.95 per square yard.

In the construction of Broadway and Beacon street, where we found a clay bottom, which was removed and coarse ashes substituted, the average cost of macadam and tarvia was \$1.35 per square yard.

#### **Holland Street Ledge.**

Quarrying has been carried on at this ledge summer and winter.

A large amount of good stone still remains, which can be used for sidewalks and repairs of side streets.

The steam drill has worked 258 days.

#### **Stone Crusher.**

The crushing plant has worked 274½ days during the year. A contract was made with Coleman Brothers for hard stone delivered on the line of work for \$1.45 per ton south of Highland avenue, and \$1.40 per ton north of Highland avenue, and also with the Winchester Stone Company for \$1.25 and \$1.15 per ton, F. O. B., Somerville or Cambridge stations.

There were 8,640 tons of stone crushed and 2,788.91 tons purchased during the year.

#### **Street Cleaning.**

A special effort has been made this year to keep the streets clean, and the department asks the co-operation of the residents and storekeepers to help by not throwing or sweeping rubbish into the streets.

All the streets, both public and private, were cleaned in the spring and fall, and paved streets were swept as often as considered necessary.

Push cart men are kept in all the squares to care for same, and on some of the main streets. A single team with an extra man was assigned to a certain district this year to keep the same clean. Such good results were obtained that I intend to assign a team to each ward in the city, thereby covering the entire city once or twice a week.

The board of health resumed the old custom whereby the tenants instead of the city employees set out the ash and rubbish barrels, and as a result the streets are littered with papers and rubbish, which gives a bad appearance. I hope money can be found whereby the employees may do this work.



### **Bridges.**

The bridges in the city are in good condition. Many of the railroad bridges have been replanked this year. If any defects are found in these bridges the railroad company is promptly notified, and the defect is repaired.

The abolition of the grade crossing on Webster avenue at the Boston & Maine Railroad is nearly completed, and the new bridge has been opened to the public. This will do away with a very dangerous crossing, which was a great inconvenience to the general public and the cause of the loss of many lives. Wash borings have been made on Medford street in conjunction with the abolition of this dangerous crossing.

### **Shade Trees.**

The city has lost many trees by gas leaks, electric wires, and insects, and I recommend that the city purchase and set out trees to replace them.

The trees purchased by the abutters were set out by the department, each supported by a pole and protected by a wire guard.

One hundred and twenty-five dead and dangerous trees were removed during the year, and 112 trees set out. Two hundred and fifty-four trees were trimmed by request.

### **Elm-Leaf Beetles.**

A gasoline spraying machine was purchased this year, and all the street trees were sprayed not only for the elm-leaf beetle, but for all the pests. The coming year will show good results and money well spent. The number of trees sprayed was 8,093.

### **Leopard Moth.**

I think this insect the worst pest the department has ever had to exterminate. It bores into the branches and feeds on the living wood, thus making it difficult to discover them. Many branches and even whole trees broken off showed upon investigation to be the work of this moth.

I recommend an appropriation for this work.

### **Gypsy and Brown-Tail Moths.**

The new spraying machine has also done good work in the extermination of this pest. I have investigated the street trees, and found very few nests this winter. The nests of the gypsy moths are painted with creosote, and the nests of the brown-tail moths are cut from the branches and taken to the city yard and burned in an incinerator. This work is done in the winter time, thus giving work to the employees of the department the entire year.

This work is inspected by an inspector sent by the state forester, Frank William Rane.

Where nests are found on private property the owner is charged at the rate of twenty-seven cents an hour per man, and the amount of the assessment is collected with the taxes on the estate.

The law gives the city the right to enter any private property to care for the moths and provides for an assessment to cover the cost of the work.

The number of trees inspected and cared for during the year is 4,446.

### **Subways.**

Kent, Sacramento, and Thorndike street subways require constant attention.

With the abolition of the grade crossings I hope these subways can be abandoned.

### **Sprinkling Streets.**

Under the new law the city can use water or a substitute and assess the abutters at the same rate as for street watering.

The department has used a large amount of all kinds of oil to keep the dust down, and it has given good results. There is no doubt as to the efficiency of tar or oil on roads. I have received fewer complaints from residents this year in regard to the dust, which is a good proof that the oil and tar are satisfactory. The tar or oil coats the road with a wearing surface, thereby saving the expense of resurfacing many of our old streets.

A new automatic pressure oiler was tried late this fall with good results, and I think next year the entire city can be covered with these oilers.

By the use of oil the street watering force was reduced from thirty-eight carts to eighteen carts and a great many thousand gallons of water saved, also the repainting of these carts.

This branch of the work is self-supporting, as the abutters pay five cents per linear foot for sprinkling.

### **Steam Rollers.**

The fifteen-ton roller has worked 197 days, the twelve-ton roller 199 days, and the five-ton roller six days.

The twelve-ton roller has been in the department a number of years, and is liable to give out at any time.

I recommend the purchase of a new fifteen-ton roller.

### **Sidewalks.**

In the construction of sidewalks, which includes edge-stones, brick, and granolithic, this has been the banner year,

Never in the history of the city has such a large appropriation (\$22,195.08) been made for this kind of work. With so large a sum the public works committee was able to recommend to the city government the construction of many sidewalks which had been petitioned for and on file for a number of years. The department did all the construction, thus giving employment to Somerville citizens, and the work was completed at the estimated cost. If the department could have this same appropriation for 1912, it could complete many of the sidewalks already started on the main thoroughfares, as was done on Highland avenue.

The average cost of gravel sidewalks with edgestones was \$1.06 per linear foot; brick sidewalks, \$1.30 per square yard; granolithic, \$1.54 per square yard. The abutters are assessed half of the cost. The cost of brick and granolithic sidewalks includes the resetting of edgestones. The cost of paving gutters was \$2.29 per square yard.

#### **Snow and Ice.**

It is the duty of this department to remove the snow and ice from all sidewalks in front of public buildings and public grounds, and sand the same when they become slippery, for which the department receives no compensation. On all of the gravel sidewalks of the city plows are used to clear the snow, but in case they become slippery the tenants must care for the same.

As soon as the bridges, which are made necessary by the abolition of the grade crossings, are completed the city must care for the snow and ice upon the same. Two of the bridges are completed, which adds extra expense to this branch of the work.

In a snow storm men are assigned to care for all the crossings on the main streets, and to sand the same if they become slippery. Sand boxes are within easy access for the push-cart men who care for the subways, bridges, and squares.

#### **Underground Wires.**

Permits for opening the streets for the purpose of constructing conduits and burying wires were issued to the New England Telephone and Telegraph Company on the southerly side of Elm street, from Chester street to Oak square, and for enlargement of conduits on Pearl street, from Bradley street to Marshall street. Permits were also issued to this company and to the Edison Electric Illuminating Company of Boston to connect their underground systems on the main streets with their overhead wires on intersecting streets.

#### **Accepted Streets.**

There were eight streets accepted under the Betterment Act during the year, comprising a total length of 4,152 feet.



There were six streets constructed with macadam and tarvia under the Betterment Act, comprising a total length of 2,179 feet, at an average approximate cost of \$0.95 per square yard. In all the streets constructed during the past ten years edgestones were set and gutters paved with granite paving blocks before the construction work was begun.

There were seven streets or portions of streets macadamized or resurfaced at a cost of \$8,293.13.

There are 76.665 miles of public streets and 19.916 miles of private streets in the city, making a total length of 96.581 miles.

### **Sidewalks Maintenance.**

Under this appropriation the money is expended for caring for defects in the sidewalks which are reported by the police department. These are always attended to immediately. Also, the repairing of brick and granolithic sidewalks and resetting edgestones comes under this appropriation.

A large amount of this kind of work was done this year, and as there are many petitions on file I hope to have a large appropriation to continue this kind of improvement. Eight thousand one hundred and forty-one feet of edgestones were reset, and 1,692 square yards of brick sidewalks relaid.

### **Street Railways.**

The Boston Elevated Railway Company relaid and in some instances laid new rails on a concrete base, grouting the paving with Portland cement where the city constructed permanent paving with vitrified paving brick, and spread the tracks so that there is a space of five feet between them.

On Medford street, from Somerville avenue to Washington street, the outward track was moved three inches, and from Washington street to Cross street the space was made five feet; also on Holland street, between Thorndike street and Moore street, the inward track was moved three inches.

This work was petitioned for by the company so to make more space between their tracks in order to give more clearance between the large vestibule cars and in conjunction with the opening of the new Cambridge subway.

### **Emergency Calls.**

The emergency call for this department is 8-8 on the fire alarm system, and is used to call the employees to the stable when needed for a big fire or storm or in case of an accident where teams and men could be used to good advantage. The emergency wagon is equipped with ropes, lanterns, jacks, and all kinds of tools, a quick-hitch harness, and is always ready in case of an accident to the department teams, or reports from the police or residents.



**Miscellaneous.**

This department has been called upon to furnish steam-rollers, teams, crushed stone, sand, gravel, cement, and ashes to the other departments, being reimbursed for the same.

Specifications were sent out to all the local and wholesale concerns, and bids asked for the furnishing of edgestones, brick, sand, gravel, cement, paving stock, etc. The bids were opened publicly in the office of the mayor, and the contracts were awarded to the lowest bidder, preference being given to Somerville citizens or taxpayers.

The department maintains its own painter, carpenter, blacksmith, horseshoer, and harness-repairer, all employed at the city stable.

The names of many streets which were duplicated in other parts of the city, thus causing great inconvenience to the public, were changed.

One horse has been purchased during the year, two killed, and two have died.

I have attended twenty-eight meetings of the committee on public works for consultation regarding work and petitions, and have reported on twenty-eight petitions for signs and lights over sidewalks to the license committee.

A great improvement has been made at the city yard. The railroad siding was placed upon our own property, and a new fence surrounds the departments located there.

Permits for steam rollers, erect canopy and blast rock . . . . .	28
Permits for Cambridge Gas Light Company . . . . .	263
Permits for Charlestown Gas Company . . . . .	172
Permits for occupying streets . . . . .	235
Permits for opening streets . . . . .	154
Permits for crossing sidewalks . . . . .	74
Permits for feeding horses . . . . .	31
Street watering complaints and requests . . . . .	84
Notifications to other departments and corporations . . . . .	515
Requests for repairing gravel sidewalks . . . . .	264
Accidents reported . . . . .	24
Police reports . . . . .	624
Streets oiled . . . . .	303
Brick and granolithic sidewalks repaired . . . . .	461
Miscellaneous reports and requests . . . . .	425
Requests to care for moths . . . . .	86
Poles and guards for trees . . . . .	250
Snow and ice removed (loads) . . . . .	810
Drain layers' permits . . . . .	293
Water department openings . . . . .	636
New signs erected by department . . . . .	68
Signs re-painted . . . . .	35
Sand and gravel used (square yards) . . . . .	2,478
Dirt removed or handled (loads) . . . . .	18,016
Scrapings removed from streets (loads) . . . . .	13,503
Old macadam used (loads) . . . . .	1,499
Ashes used (loads) . . . . .	7,787

**Recommendations.**

I most respectfully recommend that the remaining unpaved portions of Elm street, Holland street, Beacon street, Broadway, Somerville avenue, College avenue, Pearl street, and Summer street be completed, thus completing all the main thoroughfares running east and west in our city. There must be some construction on the main streets in the vicinity of the new Webster-avenue bridge in conjunction with this great improvement.

With the laying of permanent paving on Mystic avenue this year, this thoroughfare will be used more than ever by the cities and towns lying north of our city, and Middlesex avenue should be constructed fifteen feet through the middle so as to make the connecting link to these cities and towns.

I desire to acknowledge my indebtedness to his honor, the mayor, for the constant, active interest he has taken in this department and for his valuable advice and encouragement; to the several members of the city government for their uniform courtesy and consideration, especially the Public Works Committee, and to the heads of the different departments for their ready co-operation.

I desire also to acknowledge my appreciation of the faithful and conscientious assistance rendered me by the foremen, inspectors, teamsters, laborers, and all others employed in the department; also the general public for notifying the department of the defects in the streets and sidewalks, which were promptly attended to, thereby saving the city the possibility of law suits.

**Highways Maintenance Account.**

## CREDIT.

Balance from 1910 . . . . .		\$9,569 67
Receipts and credits:—		
Commonwealth of Massachusetts, street railway tax . . . . .	\$50,836 88	
Boston Elevated Railway tax . . . . .	10,000 74	
Health Department (collection of ashes, 1910) . . . . .	60 60	
Stone received from Holland street ledge . . . . .	5,052 34	
Sundry amounts received for materials used . . . . .	359 26	
Use of city teams on sundry work . . . . .	6,438 03	
Use of road rollers . . . . .	2,265 08	
Use of spraying machine . . . . .	12 50	
Boston & Maine Railroad, sale of gravel from Waltham Gravel Land . . . . .	1,083 95	
James P. Logan, tree stumps . . . . .	2 00	
Fay Brothers, old horseshoes . . . . .	13 28	
Amount carried forward . . . . .	<hr/>	\$76,124 66

Amount brought forward . . . . .	\$76,124 66	
Private work, the bills for which re- mained unpaid December 31, 1910 . . . . .	373 90	
Value of materials on hand January 1, 1911, . . . . .	2,708 91	
		<u>\$79,207 47</u>
Total . . . . .		<u>\$88,777 14</u>
Less amount transferred to Cleaning Streets . . . . .	\$22,929 92	
Sidewalks Maintenance . . . . .	4,654 08	
Care of Trees . . . . .	3,558 17	
Gypsy and Brown-tail Moth Exter- mination . . . . .	586 72	
		<u>31,728 89</u>
Total credit . . . . .		<u>\$57,048 25</u>

## DEBIT.

## Expenditures:—

For repairs of sundry streets, as per table B, at end of this report . . . . .		\$9,588 86
General repairs of streets . . . . .		10,256 81
Repairs of Union street . . . . .	\$597 47	
less amount paid by Boston Ele- vated Railway Co. . . . .	350 00	
		<u>247 47</u>
Repairs of gutters . . . . .		70 47
Repairs of sheet and block paving . . . . .		2,450 42
Removing snow and ice and care of slippery sidewalks, Repairs of street crossings . . . . .		4,243 79
Repairs of gravel sidewalks . . . . .		543 38
Repairing banking, Highland avenue, near Cedar street, Repairing and replacing hydrant at city yard . . . . .		2,504 30
Building fence at city yard . . . . .		8 55
Relocating track at city yard . . . . .		65 21
Repairing iron fence, Washington street, at bridge . . . . .		312 20
Repairing carts, plows, rollers, etc. . . . .		142 11
Repairs of tools . . . . .		47 84
Repairs of crusher . . . . .		1,302 47
Repairs of steam road rollers . . . . .		169 04
Building fence, Mead street, near Cameron avenue . . . . .		545 57
Street opening, Waldo avenue, off Beacon street . . . . .		675 93
Setting steps, Lovell street . . . . .		4 03
Constructing dynamite house at city ledge . . . . .		32 65
Changes in Broadway Parkway, at Walnut street and Fellsway West . . . . .		20 70
Leveling and scraping Middlesex-avenue dump . . . . .		66 70
Care of subways . . . . .		1,502 43
Care of highway property . . . . .		102 73
Damage to estate, Temple street (caused by construct- ing sidewalks) . . . . .		412 00
Money paid men injured while at work . . . . .		1,383 56
Sawing wood . . . . .		79 00
Blacksmithing . . . . .		267 38
Carpentering . . . . .		49 15
Painting . . . . .		591 00
Street Commissioner's salary . . . . .		378 37
Street Commissioner's team . . . . .		106 58
		<u>2,000 00</u>
		253 97

Amount carried forward . . . . . \$40,414 67

Amount brought forward . . . . .	\$40,414 67
Street Commissioner's telephone . . . . .	21 18
Albert M. Burbank (foreman) . . . . .	916 50
Books, printing, stationery, and postage . . . . .	173 40
New carts . . . . .	314 01
Private work, the bills for which remained unpaid December 30, 1911 . . . . .	56 18
Cleaning Streets account (bill remaining unpaid December 30, 1911) . . . . .	46 20
Care of Trees (bill remaining unpaid December 30, 1911) . . . . .	42 70
Public Grounds (bill remaining unpaid December 30, 1911) . . . . .	359 97
Public Property (bill remaining unpaid December 30, 1911) . . . . .	94 72
Sidewalks Maintenance (bill remaining unpaid December 30, 1911) . . . . .	18 20
Street signs . . . . .	542 02
Salary of Tree Warden (two years) . . . . .	600 00
Sundry expenses . . . . .	2,228 74
Abatement of accounts for collection . . . . .	59 60
Tools . . . . .	516 65
Iron and hardware . . . . .	22 23
Holland Street Ledge . . . . .	5,390 96
Value of materials on hand this day . . . . .	2,450 42
	<hr/>
Total debit . . . . .	\$54,278 35
	<hr/>
Balance unexpended . . . . .	<u>\$2,769 90</u>

### Highways Construction Account.

#### CREDIT.

Balance from 1910 . . . . .	\$1,817 69	
Appropriation . . . . .	50,000 00	
	<hr/>	
	\$51,817 69	
Less transfer to Highways, Paved Gutters and Crossings account . . . . .	\$66 11	
Less transfer to Highways, Care of Trees, Additional Equipment account . . . . .	1,289 00	
	<hr/>	
	1,355 11	
	<hr/>	\$50,462 58
Advertising and recording releases and plans in 1910 charged in construction of streets in 1911 . . . . .	\$84 50	
Highways, Paved Gutters and Crossings account (paving blocks) . . . . .	177 97	
Sidewalks Maintenance account (paving blocks) . . . . .	70	
	<hr/>	263 17
		<hr/>
		\$50,725 75



## DEBIT.

## Expenditures:—

Construction of streets, as appears by table A, at end of this report . . . . .	\$48,739 97	
Less assessments . . . . .	2,870 23	
		<u>\$45,869 74</u>
Alteration and rebuilding Mystic-avenue bridge . . . . .		3,024 07
Advertising and recording releases and plans for streets not constructed . . . . .		98 40
		<u>\$48,992 21</u>
Total debit . . . . .		<u>\$1,733 54</u>
Balance unexpended . . . . .		<u>\$1,733 54</u>

**Highways, Paved Gutters and Crossings.**

## CREDIT.

Appropriation . . . . .	\$6,500 00	
Transfer from Sewers Construction account, . . . . .	5,000 00	
Transfer from Highways Construction account . . . . .	66 11	
		<u>\$11,566 11</u>
Value of material on hand January 1, 1911 . . . . .	\$900 00	
Net gain on material . . . . .	71 16	
		<u>971 16</u>
Total credit . . . . .		<u>\$12,537 27</u>

## DEBIT.

## Expenditures:—

For paving sixteen gutters, as per table D, . . . . .	\$11,556 59	
Street crossings, as per table J . . . . .	670 68	
Value of material on hand January 31, 1911, . . . . .	310 00	
		<u>\$12,537 27</u>
Total debit . . . . .		<u>\$12,537 27</u>

**Highways, Sprinkling Streets.**

## CREDIT.

## Receipts:—

Assessments and contributions from abutters . . . . .	\$33,574 15	
Bruno and Petitti, use of carts . . . . .	13 00	
J. F. Ingraham, repairing cart . . . . .	15 00	
Value of sprinkling carts January 1, 1911 . . . . .	11,250 00	
Value of material on hand January 1, 1911 . . . . .	223 45	
		<u>\$45,075 60</u>
Total credit . . . . .		<u>\$45,075 60</u>

## DEBIT.

## Expenditures:—

Teaming, street sprinkling . . . . .	\$15,054 58	
Use of city teams . . . . .	1,631 40	
Sprinkling streets with oil . . . . .	8,006 44	
Sprinkling streets with tasscoil . . . . .	4,451 09	
Sprinkling streets with tarvia . . . . .	483 90	
Repairs of sprinkling carts . . . . .	548 21	
Painting sprinkling carts . . . . .	670 15	
Insurance on sprinkling carts . . . . .	72 00	
		<u>\$30,967 77</u>

Amount carried forward . . . . . \$30,967 77

Amount brought forward . . . . .	\$30,967 77	
New water post . . . . .	30 45	
Maintenance of water post . . . . .	260 93	
Lumber . . . . .	16 35	
Sand . . . . .	32 34	
Oil . . . . .	3 30	
Paint brushes . . . . .	116 73	
Books, printing, and stationery . . . . .	18 75	
	<hr/>	
	\$31,446 62	
Value of sprinkling carts on hand this day . . . . .	11,350 00	
Value of material on hand this day . . . . .	113 30	
Profit and loss on sprinkling carts . . . . .	200 00	
	<hr/>	
Total debit . . . . .		\$43,109 92
		<hr/>
Balance unexpended . . . . .		\$1,965 68
		<hr/>

**Sidewalks Construction.**

	CREDIT.	
Balance from 1910 . . . . .	\$2,195 08	
Appropriation . . . . .	20,000 00	
	<hr/>	
Total credit . . . . .		\$22,195 08
	DEBIT.	
Expenditures:—		
For sixty-three sidewalks constructed as per table C. . . . .	\$44,065 74	
Less assessments . . . . .	22,032 88	
	<hr/>	
		\$22,032 86
Abatement of assessment, estate of Annie Rosenthal, 24 Trull street (a sidewalk having been laid in front of her estate in 1904) . . . . .	17 74	
Books . . . . .	26 50	
Tools . . . . .	55 60	
	<hr/>	
Total debit . . . . .		\$22,132 70
		<hr/>
Balance unexpended . . . . .		\$62 38
		<hr/>

**Sidewalks Maintenance.**

	CREDIT.	
Transfer from Highways Maintenance account . . . . .	\$4,654 08	
Uncollected bill January 1, 1911 . . . . .	6 75	
Bricks taken from sidewalks where granolithic sidewalks were laid . . . . .	222 34	
Value of materials on hand January 1, 1911, . . . . .	16 20	
	<hr/>	
Total credit . . . . .		\$4,899 37
	DEBIT.	
	General Repairs of Sidewalks.	
Expenditures:—		
Labor, repairing sidewalks . . . . .	\$3,241 75	
	<hr/>	
Amount carried forward . . . . .	\$3,241 75	

Amount brought forward . . . . .	\$3,241 75	
Use of city teams . . . . .	497 89	
Bricks . . . . .	376 72	
Crushed stone . . . . .	78 14	
Sand . . . . .	54 61	
Ashes . . . . .	2 25	
Cement . . . . .	93	
Lamp black . . . . .	1 25	
Oil . . . . .	5 65	
Paving blocks . . . . .	1 50	
		\$4,260 69

Substituting Granolithic for Brick Sidewalk from Warren Avenue to Stone Avenue.

Labor . . . . .	\$460 08	
City teams . . . . .	29 40	
Sand . . . . .	10 68	
Cement . . . . .	84 32	
Crushed stone . . . . .	28 65	
Ashes . . . . .	21 75	
Lamp black . . . . .	2 30	
Oil . . . . .	1 50	
		\$638 68

Total debit . . . . . \$4,899 37

### Cleaning Streets.

#### CREDIT.

Transfer from Highways Maintenance account . . . . . \$22,929 92

#### DEBIT.

Labor . . . . .	\$19,376 98
Use of city teams . . . . .	3,397 10
Tools . . . . .	49 75
Repairs of tools . . . . .	106 09

Total debit . . . . . \$22,929 92

### Care of Trees.

#### CREDIT.

Transfer from Highways Maintenance account . . . . . \$3,558 17

#### DEBIT.

Removing trees . . . . .	\$2,093 11
Trimming trees . . . . .	863 05
Setting trees . . . . .	387 41
Spraying trees for tussock moths . . . . .	214 60

Total debit . . . . . \$3,558 17

### Suppression of Gypsy and Brown-Tail Moths.

#### CREDIT.

Appropriation . . . . .	\$1,500 00
Transfer from Highways Maintenance account . . . . .	586 72

Receipts:—

From sundry persons, removal of moths from trees . . . . .	1,166 71
--	----------

Total credit . . . . . \$3,253 43

		DEBIT.	
Expenditures:—			
For labor	.	.	\$2,913 14
Use of city teams	.	.	137 20
Arsenate of lead	.	.	60 00
Creosote	.	.	8 84
Tools	.	.	8 70
Supplies	.	.	19 20
Repairing ladders	.	.	3 35
Books, circulars, and warning cards	.	.	63 00
Clerical work	.	.	40 00
			<hr/>
Total debit	.	.	<u>\$3,253 43</u>

### Suppression of Elm-Leaf Beetle.

		CREDIT.	
Appropriation	.	.	\$800 00
DEBIT.			
Expenditures:—			
For labor	.	.	\$252 83
Use of city teams	.	.	74 90
Arsenate of lead	.	.	346 00
Tacks, bolts, and nozzles	.	.	2 88
Printing warning signs	.	.	13 75
Cylinder oil	.	.	12 75
Gasoline	.	.	10 87
			<hr/>
Total debit	.	.	\$713 98
			<hr/>
Balance unexpended	.	.	<u>\$86 02</u>

### Statement of Tools and Personal Property in the Hands of the Highway Department This Day.

Horses	\$7,975 00
Carts and implements used with horses	21,376 40
Steam road rollers	5,401 50
Stone crusher and fittings	1,766 75
Harnesses, horse clothing, and supplies	1,488 94
Stable utensils and property	601 87
Horse medicine	19 95
Hay, straw, and grain	628 40
Horseshoeing supplies	30 86
Blacksmith stock	270 11
Watering cart stock	278 79
Carpenter's stock	32 92
Paint stock	159 40
Tools	2,769 79
Street signs	71 00
Dynamite	10 71
Supplies for gypsy and brown-tail moth extermination	66 23
Supplies for elm-leaf beetle extermination	36 00
	<hr/>
	\$43,034 62



**TABLE A.**  
**Streets Constructed in 1911.**

STREET.	FROM	To	MATERIAL.	LENGTH IN FEET.	COST.
Ashland street	(partial)	Sartwell avenue . . .	Macadam . . .	. . . .	\$41 11
Ball square	Summer street and adjacent sections of	Broadway . . .	Vitrified brick block pavement . . .	424.3	4,775 45
Beacon street	Buckingham street (southwesterly side)	Washington street . . .	Macadam and tarvia . . .	1,000	4,771 57
Broadway	Arthur street . . .	School street . . .	Macadam and tarvia . . .	2,060	9,353 72
Browning road	Central street . . .	Sycamore street . . .	Macadam and tarvia . . .	679	1,524 49
Elm street	Chester street . . .	Cutter avenue . . .	Vitrified brick block pavement . . .	389	3,029 05
Fremont avenue	Bowdoin street . . .	Lincoln parkway . . .	Macadam and tarvia . . .	232	430 22
Grove street	(partial)	Morrison avenue . . .	Macadam . . .	. . . .	9 57
Holland street	Highland avenue Davis square . . .	Irving street . . .	Vitrified brick block pavement . . .	682.2	5,178 78
Lovell street	Broadway . . .	Electric avenue . . .	Macadam and tarvia . . .	385	854 10
Mallet street	Willow avenue . . .	Liberty avenue . . .	Macadam and tarvia . . .	657	1,279 76
Merriam street	Somerville avenue . . .	Charlestown street . . .	Macadam and tarvia . . .	510	721 09
Merriam street	Washington street . . .	Somerville avenue . . .	Macadam and tarvia . . .	360	683 17
Mystic avenue	Boston line . . .	Line of State taking, near Austin street . . .	Granite block pavement Macadam and tarvia . . .	997	9,122 13
Parker street	Washington street . . .	Fremont avenue . . .	Macadam and tarvia . . .	203	450 79
Teele square	and adjacent sections of	Broadway and Holland street . . .	Vitrified brick block pavement . . .	692.3	6,165 32
Walter street	(partial)	about 100 feet north of Bradley street . . .	Macadam . . .	. . . .	16 15
West street	Walnut street . . .	Hawthorne street . . .	Macadam and tarvia . . .	192	333 50
		Length in feet, and cost . . .		9,462.8	\$48,739 97

**TABLE B.**  
**Streets Repaired.**

STREET.	FROM	TO	DESCRIPTION OF WORK.	FEET.	COST.
Austin street.	Broadway	Mystic avenue (Southerly side westerly.)	Macadam	716	\$54 38
Broadway	Ball square	Liberty avenue (Southerly side easterly.)	Macadam	650	71 66
Broadway	Willow Bridge	Wilson avenue (Southerly side easterly.)	Macadam	450	80 28
Dover street.	Davis square	Angle	Macadam	380	113 35
Franklin street	Broadway	Pearl street	Macadam and tarvia	1,025	1,575 01
Jaques street.	Temple street	Fellsway West	Macadam	1,182	203 56
Lincoln street	Broadway	Perkins street	Macadam and tarvia	550	1,113 37
Middlesex avenue	Mystic avenue	Boulevard (Southerly side.)	Filling	2,304	1,125 74
Somerville avenue	Carlton street	Kilby street.	Tarvia dressing	150	169 99
Walnut street	Bow street	Highland avenue	Macadam and "A" binder	3,338	5,081 52
	Gilman street	Broadway			
Length in feet, and cost				10,745	\$9,588 86

**TABLE C.**  
**Sidewalks Constructed Where the Materials Were Furnished by the City and One-half the Cost Was Assessed Upon the Abutting Estates.**

STREET.	SIDE.	FROM	TO	FREET OF EDGESTONES.	YARDS OF BRICKS.	YARDS OF GRANOLITHIC.	COST.
Ashland street .	Westerly	Summer street .	Sartwell avenue .	497.1	.....	.....	\$620 02
{ Beacon street .	Southwesterly	Forest street .	Oxford street .	....	.....	266.1	526 11
{ Forest street .	Northwesterly	Beacon street .	Cambridge line .	....	.....	340.	437 75
Broadway .	Northeasterly	Bristol road .	Boston avenue .	....	.....	250.9	460 40
Broadway .	Northerly	Pearson road .	Bristol road .	....	.....	774.7	1,365 11
Broadway .	Southerly	College avenue .	Wallace street .	....	.....	.....	446 03
Broadway .	Both . . . .	{ at approaches to	bridge over B. & M. } R. R. at North Somerville Station	424.5	.....	.....	513 04
Bowdoin street .	Both . . . .	Washington street .	Lincoln park .	....	449.8	.....	400 56
Cedar street .	Westerly . . .	Spencer avenue .	Boston & Maine R. R. .	....	.....	281.3	137 39
Cedar street .	Easterly . . .	Highland avenue .	Hudson street .	....	121.5	.....	304 32
Chapel street .	Southwesterly	Cottage avenue .	Chandler street .	....	.....	179.3	1,030 44
Chandler street .	Both . . . .	Chapel street .	Park avenue .	....	.....	666.8	95 13
Chandler street .	Both . . . .	William street .	Chapel street .	....	71.6	.....	464 05
Cleveland street .	Southwesterly	Central street .	Harvard street .	....	.....	310.2	1,163 14
Evergreen avenue .	Both . . . .	Sycamore street .	Where not already } laid to School street }	....	.....	782.6	347 53
Fremont avenue .	Both . . . .	Bowdoin street .	Lincoln parkway .	417.	.....	.....	958 29
Grove street .	Both . . . .	Highland avenue .	Where not already } laid to Morrison ave. }	503.3	429.3	.....	650 95
Hawthorne street .	Northeasterly	Willow avenue .	Cutter avenue .	....	.....	379.1	771 87
Hawthorne street .	Southwesterly	Willow avenue .	Cutter avenue .	....	.....	397.6	
			Carried forward .	1,841.9	1,072.2	4,628.6	\$10,692.13

TABLE C. --Continued.

STREET.	SIDE.	FROM	TO	FEET OF EDGE-STONES.	YARDS OF BRICKS.	YARDS OF GRANOLITHIC	COST.
Highland avenue . . . . .	Southwesterly . . . . .	Willow avenue . . . . .	Brought forward . . . . . Where not already laid to Grove street }	1,841.9 . . . . .	1,072.2 . . . . .	4,628.6 . . . . .	\$10,692.13 . . . . .
Highland avenue . . . . .	Southwesterly . . . . .	Cedar street . . . . .	Hancock street . . . . .	. . . . .	738.5 . . . . .	. . . . .	922.17 . . . . .
Irving street . . . . .	Northwesterly . . . . .	Broadway . . . . .	Holland street . . . . .	. . . . .	455.4 . . . . .	787. . . . .	581.52 . . . . .
Jay street . . . . .	Southerly . . . . .	Holland street . . . . .	where not already laid to Howard street }	. . . . .	. . . . .	275.8 . . . . .	1,229.50 . . . . .
James street . . . . .	Both . . . . .	Pearl street . . . . .	Veazie street . . . . .	. . . . .	430.6 . . . . .	. . . . .	409.16 . . . . .
Kingston street . . . . .	Both . . . . .	Thorndike street . . . . .	Cambridge Line sidewalk already laid }	. . . . .	. . . . .	530.9 . . . . .	506.76 . . . . .
Liberty avenue . . . . .	Both . . . . .	Thorndike street s'ly Broadway . . . . .	where not already laid to Hall street }	1,928.1 . . . . .	. . . . .	1,297.5 . . . . .	861.92 . . . . .
Linden avenue . . . . .	Both . . . . .	Appleton street . . . . .	Powder House Ter. Mallet street . . . . .	. . . . .	. . . . .	. . . . .	4,027.77 . . . . .
Lovell street . . . . .	Northwesterly . . . . .	Appleton street . . . . .	Summer street . . . . .	. . . . .	840.4 . . . . .	. . . . .	1,291.54 . . . . .
Mallet street . . . . .	Southeasterly . . . . .	Elm street . . . . .	Electric avenue . . . . .	728.6 . . . . .	. . . . .	. . . . .	808.40 . . . . .
Medford street . . . . .	Westerly . . . . .	Broadway . . . . .	Liberty avenue . . . . .	1,122.3 . . . . .	. . . . .	. . . . .	1,185.33 . . . . .
Medford street . . . . .	Westerly . . . . .	Willow avenue . . . . .	Nos. 16 & 18 . . . . .	. . . . .	37.6 . . . . .	. . . . .	44.49 . . . . .
Merriam street . . . . .	Southwesterly . . . . .	in front of estate in front of estate . . . . .	No. 46 . . . . .	. . . . .	21.1 . . . . .	. . . . .	29.02 . . . . .
Merriam street . . . . .	Easterly . . . . .	Washington street . . . . .	Somerville avenue . . . . .	. . . . .	253.1 . . . . .	. . . . .	298.00 . . . . .
Melvin street . . . . .	Both . . . . .	Somerville avenue . . . . .	Charlestown street . . . . .	1,011. . . . .	. . . . .	. . . . .	897.67 . . . . .
Morrison avenue . . . . .	Both . . . . .	Broadway . . . . .	where not already laid to Bonair street }	. . . . .	109.7 . . . . .	. . . . .	122.69 . . . . .
Mystic avenue . . . . .	Both . . . . .	Cedar street . . . . .	Willow avenue . . . . .	2,336. . . . .	. . . . .	. . . . .	2,729.05 . . . . .
Mystic street . . . . .	Both . . . . .	Boston Line . . . . .	Near Austin street . . . . .	914.2 . . . . .	. . . . .	. . . . .	1,037.24 . . . . .
	Both . . . . .	Washington street . . . . .	Somerville avenue . . . . .	689.7 . . . . .	. . . . .	. . . . .	621.29 . . . . .
			Carried forward	10,571.8 . . . . .	3,958.6 . . . . .	7,519.8 . . . . .	\$28,295.65 . . . . .



TABLE C.—Continued.

STREET.	SIDE.	FROM	TO	FEET OF EDGE- STONES.	YARDS OF BRICKS.	YARDS OF GRANOLITHIC	COST.
Mystic street . . . . .	Easterly . . . . .	Mystic avenue . . . . .	Brought forward . . . . .	10,571.8	3,958.6	7,519.8	\$28,295.65
Norwood avenue . . . . .	Both . . . . .	Broadway . . . . .	Est. Mary M. Shedd, } Tr. . . . .	....	170.5	....	194.20
Oxford street . . . . .	Southwesterly . . . . .	Central street . . . . .	Medford street . . . . .	....	....	485.8	701.42
Partridge avenue . . . . .	Northwesterly . . . . .	Medford street . . . . .	Hersey street . . . . .	....	....	388.5	573.62
Pearson avenue . . . . .	Both . . . . .	Morrison avenue . . . . .	Vernon street . . . . .	....	601.3	....	923.53
Princeton street . . . . .	Both . . . . .	Alpine street . . . . .	where not already } laid to Boston ave. } to sidewalk already } laid . . . . .	....	....	407.4	828.45
Parker street . . . . .	Both . . . . .	Washington street . . . . .	Prospect Hill Parkway } where not already } laid to Cherry street } No. 249 . . . . .	938.7	....	....	1,090.52
Pembroke street . . . . .	Both . . . . .	Sycamore street . . . . .	Front avenue . . . . .	419.6	....	....	388.19
Pembroke street . . . . .	Northwesterly . . . . .	Sycamore street . . . . .	Central street . . . . .	....	....	265.9	369.38
South street . . . . .	Southwesterly . . . . .	Sycamore street . . . . .	Central street . . . . .	....	....	278.9	407.38
Stone avenue . . . . .	Northerly . . . . .	in front of estate . . . . .	No. 5 . . . . .	....	27.2	....	36.77
Summer street . . . . .	Both . . . . .	Columbus avenue . . . . .	Prospect Hill Parkway } where not already } laid to Cherry street } No. 249 . . . . .	....	....	118.2	226.26
Summer street . . . . .	Northwesterly . . . . .	Cedar street . . . . .	College avenue } sidewalk already laid } Bridge of B. & M. } R. R. . . . .	....	....	317.5	530.00
Summer street . . . . .	Northeastly . . . . .	in front of estate . . . . .	Sydney street . . . . .	....	....	35.5	60.50
Summit street . . . . .	Southwesterly . . . . .	Billingham street . . . . .	Pembroke street . . . . .	....	....	274.6	407.73
Sycamore street . . . . .	Northwesterly . . . . .	Billingham street . . . . .	Subway . . . . .	....	....	174.1	275.45
Temple street . . . . .	Westerly . . . . .	Pembroke street . . . . .	Vernon street . . . . .	....	....	449.7	813.20
Tennyson street . . . . .	Southerly . . . . .	Jaques street . . . . .	Marshall street . . . . .	....	....	276.	385.44
Thorndike street . . . . .	Northly . . . . .	Medford street . . . . .	Carried forward . . . . .	....	....	172.2	237.52
Trull street . . . . .	Both . . . . .	Kingsston street . . . . .		....	711.5	....	1,083.58
Trull street . . . . .	Westerly . . . . .	Medford street . . . . .		....	....	403.7	570.99
Veazie street . . . . .	Northwesterly . . . . .	Walnut street . . . . .		....	....		
				11,930.1	5,469.1	11,567.8	\$38,399.78

TABLE C.—Concluded.

STREET.	SIDE.	FROM	TO	FEET OF EDGESTONES.	YARDS OF BRICKS.	YARDS OF GRANOLITHIC.	COST.
Walter street . . .	Both . . .	Walnut street . . .	Brought forward . . .	11,930.1	5,469.1	11,567.8	\$38,399.78
Warwick street . . .	Both . . .	Cedar street . . .	Mortimer place . . .	960.2	....	....	1,091.42
Westminster street . . .	Both . . .	Broadway . . .	Warwick place . . .	1,284.1	....	....	1,398.50
Washington street . . .	Southerly . . .	in front of the estate . . .	Electric avenue . . .	....	....	516.9	762.08
West street . . .	Both . . .	Highland avenue . . .	Nos. 34 & 36 . . .	....	65.3	....	78.53
Willow avenue . . .	Northwesterly . . .	Highland avenue . . .	Hawthorne street . . .	363.2	....	....	331.35
Winslow avenue . . .	Both . . .	College avenue . . .	Morrison avenue . . .	....	....	374.4	694.60
			where not already laid to Clifton street }	1,419.5	....	....	1,309.48
			Total . . . . .	15,957.1	5,534.4	12,459.1	\$44,065.74

TABLE D.  
Gutters Paved in Connection with Setting Edgestones.

STREET.	Side.	From	To	Square Yards.	Cost.
Ashland street . . . . .	Westerly . . . . .	Summer street . . . . .	Sartwell avenue . . . . .	165.7	\$415.21
Broadway . . . . .	Both . . . . .	to bridge over railroad . . . . .	at North Som. Station . . . . .	141.5	256.28
Fremont avenue . . . . .	Both . . . . .	Bowdoin street . . . . .	Lincoln Parkway . . . . .	139.0	304.52
Grove street . . . . .	Both . . . . .	Highland avenue . . . . .	Morrison avenue . . . . .	167.7	435.90
*Liberty avenue . . . . .	Both . . . . .	Broadway . . . . .	Hall avenue . . . . .	642.7	1,438.85
Lovell street . . . . .	Both . . . . .	Broadway . . . . .	Electric avenue . . . . .	242.9	609.16
Mallet street . . . . .	Both . . . . .	Willow avenue . . . . .	Liberty avenue . . . . .	374.1	880.30
Merriam street . . . . .	Both . . . . .	Somerville avenue . . . . .	Charlestown street . . . . .	337.0	688.15
Morrison avenue . . . . .	Both . . . . .	Cedar street . . . . .	Willow avenue . . . . .	778.7	2,177.10
Mystic street . . . . .	Both . . . . .	Washington street . . . . .	Somerville avenue . . . . .	229.9	454.96
Parker street . . . . .	Both . . . . .	Washington street . . . . .	Fremont avenue . . . . .	139.9	294.84
Princeton street . . . . .	Both . . . . .	Alpine street . . . . .	Sidewalk already laid . . . . .	312.9	721.58
Walker street . . . . .	Both . . . . .	Walnut street . . . . .	Mortimer place . . . . .	320.1	604.30
Warwick street . . . . .	Both . . . . .	Cedar street . . . . .	Warwick place . . . . .	428.0	1,008.84
West street . . . . .	Both . . . . .	Highland avenue . . . . .	Hawthorne street . . . . .	121.1	290.39
*Winslow avenue . . . . .	Both . . . . .	College avenue . . . . .	Clifton street . . . . .	473.2	976.21
			Total . . . . .	5,014.4	\$11,556.59

\*Where not already laid.

TABLE E.

## Driveways Constructed at Expense of Abutters.

FOR	LOCATION.
William H. Berry . . . . .	76 Benton road
Oscar H. Belding . . . . .	182 Highland avenue
Anna B. Taylor Cole . . . . .	Pinckney street
Andrew B. Hubbard . . . . .	32 Banks street
Clarence V. Hadley . . . . .	19 Oxford street
Albert M. Lang . . . . .	98 Oxford street
John B. Lafrance . . . . .	25 Kingston street
James F. McCarthy . . . . .	24 Preston road
Ina M. Mitchell . . . . .	30 Lowden avenue
Charles E. MacKay . . . . .	Mallet street
Margaret L. Murphy . . . . .	28 Mt. Vernon street
Charles E. Mongan . . . . .	Cleveland street
Otto Olson . . . . .	741 Broadway
Vernie F. Ordway . . . . .	271 Willow avenue
Margaret D. Perry . . . . .	8 Kenwood street
Ezra A. Phillips . . . . .	152 Willow avenue
Louisa S. Peterson . . . . .	29 Prichard avenue
Perfection Filler Co. . . . .	115 Broadway
Herbert A. Pasho . . . . .	21 Browning road
Isaac Sexton . . . . .	73 Berkeley street
Edgar A. Smith . . . . .	45 Cedar street
Catherine White . . . . .	269 Summer street

TABLE F.

## Driveways Discontinued at Expense of Abutters.

FOR	LOCATION.
Joseph W. Cusolito . . . . .	16 Medford street
Prospect Hill Church . . . . .	131 Summer street

TABLE G.

## Driveways Widened at Expense of Abutters.

FOR	LOCATION.
Alfred S. Hill . . . . .	22 Grand View avenue
F. E. Viano . . . . .	19 Dover street
Edwin E. Whitehouse . . . . .	81 Jaques street



TABLE H.  
Streets Accepted by the Board of Aldermen in 1911.

STREET.	WARD.	FROM	TO	WIDTH IN FEET.	LENGTH IN FEET.	ACCEPTED.
Conwell avenue . . .	7	Curtis street . . .	North street . . .	40	1,346	December 30, 1911
Dearborn road . . .	7	Boston avenue . . .	College avenue . . .	50	469	December 30, 1911
Fremont street . . .	5	Meacham street . . .	460 feet northeasterly Land of City of Camb.	40	460	December 30, 1911
Garrison avenue . . .	7	Broadway . . .	Dane avenue . . .	40	460	December 28, 1911
Leland street . . .	2	Washington street . . .	Crown street . . .	33	359	December 30, 1911
Lowell street . . .	6	Summer street . . .	Frederick avenue . . .	40	351	December 30, 1911
Prichard avenue . . .	6	Boston avenue . . .	Alston street . . .	40	517	December 28, 1911
Shawmut Place . . .	1	Shawmut street . . .		30	190	December 28, 1911
			Length in feet . . .		4,152	

**TABLE I.**  
**Street Crossings Laid.**

Bonair street, across same, at Mèlvin street.  
 Dane street, across same, at junction of Dane avenue and Village street.  
 Dane street, across same, at Washington street.  
 Grand View avenue, across same, at Vinal avenue.  
 Ibbetson street, across same, at Kimball street.  
 Kimball street, across same, at Ibbetson street.

**TABLE J.**  
**Street Opening.**

Street opening, Beacon street, at Waldo avenue.

**Length of Accepted Streets in Each Ward.**

												Miles.
Ward	1	.	.	.	.	.	.	.	.	.	.	9.530
"	2	.	.	.	.	.	.	.	.	.	.	8.601
"	3	.	.	.	.	.	.	.	.	.	.	7.479
"	4	.	.	.	.	.	.	.	.	.	.	9.390
"	5	.	.	.	.	.	.	.	.	.	.	11.622
"	6	.	.	.	.	.	.	.	.	.	.	12.611
"	7	.	.	.	.	.	.	.	.	.	.	17.417
Total length of accepted streets in the city . . . . .											76.650	

Respectfully submitted,  
 ASA B. PRICHARD,  
 Street Commissioner.

## REPORT OF COMMISSIONER OF PUBLIC BUILDINGS.

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OFFICE OF COMMISSIONER OF PUBLIC BUILDINGS, }  
CITY HALL, SOMERVILLE, January 1, 1912. }

To the Honorable, the Mayor, and the Board of Aldermen of  
the City of Somerville:—

Gentlemen,—The work of the public buildings department during the year 1912 has been largely routine, and your commissioner has no report to make of any extraordinary happenings or incidents, but presents in this report a brief summary only of the every-day requirements and acts of the office organization.

Improvements have been made to several of the public buildings during the year which are mentioned especially later in the report.

The organization of the office of the building department consists, in addition to the commissioner, of an assistant assigned especially to the work of the plumbing inspection, one office assistant whose duties are confined to the clerical work of the department, and one assistant, draughted from the janitor service and assigned to supervise the work of the janitors of all public buildings and to inspect the buildings at regular intervals with special reference to the hygienic and sanitary condition and cleanliness.

In the employ of the public buildings department there are thirty-seven men acting as janitors of public buildings. This city has been very fortunate in having in its employ as janitors a class of men, the personnel of which, I believe, is far beyond the average. These men as a rule are faithful to duty, obliging and courteous, in spite of the fact of their strenuous and varied duties.

All of our public buildings are well cared for and kept in a clean and sanitary condition. To these janitors and their supervisor is due all of the credit for this condition.

All matters relating to the purchase of supplies, carrying out of changes of construction, or renovating of the public property, except those of minor importance, are attended to personally by the commissioner.

The inspection of all buildings in the course of construction is also personally performed by the commissioner.

We do not claim for our organization in the public buildings department any special commendation, but I believe that with the perfect harmony which prevails at all times we are doing our part, with some degree of success, in trying to conduct the affairs of a municipality of which there is no better, and

which is recognized everywhere as a city well administered, clean, attractive to the citizen and good to look upon.

### Inspection of Buildings.

The commissioner of public buildings is also the inspector of buildings according to the terms of the charter, and as such during the year 1911 has made 1,625 formal inspections of buildings in the course of construction.

The following table shows the number of permits issued for building operations during the year 1911:—

Buildings.	WARDS.							Totals.
	1	2	3	4	5	6	7	
Dwellings . . . .	22	41	32	38	50	46	84	313
Stores . . . . .	4	3	1	2	4	6	5	25
Stables . . . . .		1			1	1		3
Shops . . . . .	2	2				1		5
Manufactories . .		1		3		1	1	6
Miscellaneous . .	5	5	3	7	1	7	1	29
Halls . . . . .				1				1
Concrete . . . . .	3	1	1		1	1	2	9
Brick . . . . .	1	1	1	1	1	1	2	8
Steel . . . . .						1		1
Iron . . . . .							1	1
Glass . . . . .							1	1
<b>Total</b>	<b>37</b>	<b>55</b>	<b>38</b>	<b>52</b>	<b>58</b>	<b>65</b>	<b>97</b>	<b>402</b>

The number of plumbing permits issued during the year was . . . . .	424
Permits for plumbing in new buildings . . . . .	228
Permits for plumbing in old buildings . . . . .	196
Number of buildings in which soil pipes were tested . . . . .	371

The total number of permits issued during the year, viz., 402, was sixty-four more than during the year 1910, when 338 permits for new buildings and alterations were issued. The total cost of the new buildings and alterations during the year 1911 was \$935,478.00, while the cost in 1910 was \$930,860.00, showing an increase of \$4,618.00.

### Additional Accommodations City Hall

On June 19, 1911, an appropriation was made and the work authorized for the construction of additional committee rooms on the third floor of the City Hall. The space utilized for this purpose was an unused attic. After plans and specifications had been prepared by the commissioner of public buildings, estimates were received and opened by his honor the mayor on July 27, 1911, as follows:—



A. M. Pride . . . . .	\$2,749 00
J. E. L. McLean . . . . .	2,720 00
E. N. Hutchins . . . . .	2,696 00
J. E. Locatelli Company . . . . .	2,334 00
Arthur W. Berry . . . . .	1,995 00

The contract was awarded to the lowest bidder, Arthur W. Berry.

The work has been completed and the additional room afforded by the change is being used by the legislative branch of the city government, and the aldermanic committees may now attend the hearings and committee meetings without interruption.

#### Girls' Trade School.

The dwelling house which was purchased by the city on land adjacent to the Carr school building was remodeled and renovated to provide quarters for a girls' trade school.

This building was opened for school purposes on October 16, 1911.

An entirely new system of plumbing was installed and the heating plant thoroughly overhauled. Many interior changes were made in the arrangement of rooms, and the building put in first class condition for the trade school use.

#### City Home Addition.

The problem as to how to care best for the sick inmates of the City Home was solved by the plan to erect an addition to the present buildings. Plans of such a structure were prepared by the commissioner of public buildings, and after advertising in the public press, estimates were received and opened publicly in the office of his honor the mayor on December 15, 1911. The estimates received were as follows:—

Clark & Lee Company . . . . .	\$7,697 00
McDonald & Kivell . . . . .	7,072 00
John E. Locatelli Company, Inc. . . . .	6,820 00
A. M. Pillsbury . . . . .	6,474 00
Daniel L. Shepard . . . . .	6,313 00
J. Edward L. McLean . . . . .	6,185 00
A. M. Pride . . . . .	6,116 00
Martin Brothers . . . . .	5,810 00
Arthur W. Berry . . . . .	5,760 00

The contract was awarded to Arthur W. Berry, who was the lowest bidder. The work of construction was begun at once and at the present time is progressing satisfactorily.

This building when completed will connect with the present home by a corridor, will be two stories in height, and in size will be 60 feet 6 inches by 26 feet.

The first floor of the new building will be devoted to the hospital needs of the home and is divided into eight rooms for patients, with the necessary toilet and other facilities.

The second floor will be devoted to the use of the women of the house as sleeping quarters.

The completion of this building will provide such improved accommodations to the City Home as have been needed for a long time and will add greatly to the comfort of the old people who are residents there.

**Branch Libraries.**

Two permanent branch reading rooms were established during the year 1911 and quarters provided for them at East Somerville and Union Square.

The East Somerville Branch was established at 153 Perkins street, in a room which the city rented for the purpose. This room was thoroughly overhauled, painted, repaired and finished as requested by the library trustees, in such a manner as to make it a comfortable and suitable room for the purposes intended.

For the Union Square Branch a room in the Prospect Hill school building was selected. This room has been so fitted and furnished as to provide a very comfortable reading room and distributing station.

**S. Newton Cutler School.**

On May 11, 1911, an order was passed by the board of aldermen and on May 12, 1911, was duly approved by his honor the mayor, authorizing the construction of a grammar school building on Powder House boulevard.

Plans and specifications were prepared for this building by the commissioner of public buildings and were approved by his honor the mayor. Advertisements were inserted in the Somerville and Boston papers requesting that estimates be delivered at the office of the commissioner not later than September 8, 1911.

On this date, in response to the request there were received in sealed envelopes sixteen estimates. These estimates were opened by his honor the mayor in the presence of the bidders in the aldermanic chamber. The estimates were as follows:—

A. M. Pride . . . . .	\$74,350 00
A. H. Hines . . . . .	68,775 00
The Clark & Lee Company . . . . .	67,997 00
J. J. Powers . . . . .	66,915 00
Driscoll & O'Brien . . . . .	61,717 00
Vroom Brothers Company . . . . .	61,509 00
Joseph M. Dolan . . . . .	59,917 00
Walsh Brothers . . . . .	58,764 00
Daniel L. Shepard . . . . .	57,997 00
C. S. Cunningham & Sons Construction Company . . . . .	57,945 00
Louis B. Cadario . . . . .	57,771 00
F. C. Alexander . . . . .	57,458 00

J. E. Locatelli Company . . . . .	\$57,000 00
H. S. Libbey & Co. . . . .	56,862 00
M. M. Dyer . . . . .	54,494 00
A. B. Murdough . . . . .	52,559 00

The contract was awarded to Albert B. Murdough of Watertown, Mass., who was the lowest bidder, for the sum of \$52,559.00.

As soon as possible after the award was made the construction work was started and has progressed steadily to such an extent that the second floor is now entirely covered in and it is expected that by April 1, 1912, the roof will have been completed.

The building as designed is to be three stories in height, and will contain fourteen classrooms of regulation size and will accommodate seven hundred pupils. Entrances are provided at each end and at the front of the building.

All of the classrooms in this building are so arranged that the light will come in from one side only, thus affording what is expected to be a very satisfactory system of lighting. Each classroom is provided with a spacious coat-room so located as to be convenient for the purpose intended.

Toilet facilities are to be provided in the basement and on each floor for both boys and girls.

The basement is to be used for the heating plant, play-rooms, ventilating apparatus, and miscellaneous storage space.

It is hoped that it will be possible to install in this building a vacuum cleaning plant, an electric clock system, and automatic temperature control, all of which are valuable assets to a well equipped school building.

This building is so designed as to be the beginning of a comprehensive plan which, when eventually completed, will provide for a school centre containing twenty-four classrooms and an assembly hall with a capacity of twelve hundred persons, and which would be the largest of the school buildings in the city except the high school.

#### Vault Fittings.

In compliance with an order adopted May 11, 1911, and approved May 12, 1911, by his honor the mayor, estimates were requested of several firms for furnishing and installing steel fittings for all of the city's security vaults.

The estimates as opened in the office of his honor the mayor on April 13, 1911, were as follows:—

The Van Dorn Iron Works Company . . . . .	\$4,100 00
Library Bureau . . . . .	3,395 00
Office, Bank & Library Company . . . . .	3,263 00
Art Metal Construction Company . . . . .	2,390 00
The General Fireproofing Company . . . . .	2,345 67



The contract was awarded to The General Fireproofing Company, which company was the lowest bidder.

These vault fittings have been completed and all of the city's vaults now comply with the state requirements as to the keeping of municipal records.

#### **Additional Window Space.**

An appropriation was made December 15, 1910, to be used for providing additional window space in school buildings where additional light was needed for school work.

During the summer of 1911 this work was started in the Prescott school building. Twelve additional windows were constructed in this building providing additional lighting area in each classroom. These additional windows have made these classrooms much lighter and have already proved of much value. This building was the only one in which additional windows were installed during the 1911 vacation, but it is intended to continue this work during the summer of 1912 in at least two more of the school buildings where additional light is needed.

#### **Police Building.**

Extensive changes were made in that portion of the police building occupied by the judge and the clerk of the police court. Plans of these changes were prepared by the commissioner of public buildings and estimates received and opened by his honor the mayor on June 5, 1911.

The contract was awarded to the lowest bidder, Arthur W. Berry.

A commodious fire-proof vault was constructed for the use of the clerk of the court, affording a safe place for the storage of the court records.

The offices of the judge and the clerk were remodeled so as to provide more room and better light for these departments.

By making these changes the city has arranged with the officials of Middlesex county to receive an increased rental which is sufficient to take care of the interest on the investment.

Respectfully submitted,

WALTER T. LITTLEFIELD,

Commissioner of Public Buildings.



# REPORT OF THE COMMISSIONER OF ELECTRIC LINES AND LIGHTS.

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OFFICE OF COMMISSIONER OF ELECTRIC LINES AND LIGHTS, }  
January 1, 1912. }

To the Honorable, the Mayor, and the Board of Aldermen of  
the City of Somerville:—

Gentlemen:—I most respectfully submit my third annual  
report as commissioner of electric lines and lights for the year  
ending December 31, 1911.

The work of the electrical department consists of the fol-  
lowing:—

Inspection of electrical wiring in buildings.

Construction, maintenance, and operation of the fire and  
police alarm systems.

Supervision and inspection of poles and wires on the  
streets, underground conduits and wires, and street lighting.

## **Inspection of Wiring in Buildings.**

The inspection of interior wiring for light, heat, and power  
is of great importance and has been given the most careful at-  
tention.

Every endeavor is made to have all work done in a per-  
fectly safe manner, and the rules and requirements, which are  
made for the guidance of wiremen doing work in the city, are  
strictly enforced.

Notifications of all work done must be sent to this depart-  
ment, and owners and occupants of buildings using electric cur-  
rent should insist that all electrical work, no matter how small,  
be inspected and approved before accepting or using the same,  
as the only protection they have against inferior workmanship  
is the inspection department.

The danger from fire, resulting from the imperfect installa-  
tion of wires and fittings, is great and is not readily understood  
by the general public.

Approved electrical fittings intended to lessen the fire  
hazard have been placed on the market from time to time, but  
are of no great advantage unless properly installed.

The revision of the city ordinances in regard to interior  
wiring, whereby no electrical work can be done in a building  
in process of construction until all gas, heating, and plumbing  
pipes have been installed, has added greatly to the safety of  
electrical installations.

A number of defective installations were remedied during  
the year, but there are still places where conditions can be im-  
proved.

Number of notifications of new work received . . . . .	717
Number of inspections of new work . . . . .	717
Number of re-inspections of new work . . . . .	578
Number of inspections of old work . . . . .	125
Number of defective installations of old work . . . . .	20
Number of defective installations remedied . . . . .	12
Number of re-inspections of old work . . . . .	40
Total number of inspections . . . . .	1,460
Number of permits issued to the Edison Electric Illuminating Company for installing meters, lamps, etc. . . . .	531
Number of incandescent lamps . . . . .	6,751
Number of arc lamps . . . . .	4
Number of motors . . . . .	66
Horse power of motors . . . . .	259

**Construction, Etc., of the Fire and Police Alarm Systems.**

**FIRE ALARM SYSTEM.**

This system, although giving good service during the year, should be replaced, when practicable, with a modern system, installed in a separate fireproof building, as the present quarters are not fit for a delicate and expensive fire alarm equipment.

The usual monthly inspections of the signal boxes and apparatus have been maintained and very little trouble has been found.

There have been 253 alarms transmitted during the year.

The fire alarm equipment consists of the following: 121 signal boxes, one eight-circuit automatic repeater, eight tower strikers, thirty-one gongs, nine indicators, forty-six tappers, one automatic steam whistle, twelve private telephones connecting the various stations, 510 cells of storage battery, about 142 miles of overhead wire, and 38,711 feet of underground cable.

One new signal box has been added during the year:—

Box 157, Boston and Maine Railroad Mystic River shops.

Three new boxes have been purchased and will be installed soon, namely:—

Box 72, North street, corner of Conwell avenue.

Box 73, Dearborn road, corner of Bromfield road.

Box 342, Bradley street, corner of Walter street.

Two new boxes have been purchased to replace two of the old-style unreliable boxes.

There has been run 22,060 feet of new No. 10 triple-braid-covered wire and 8,780 feet of old has been removed.

Four thousand nine hundred and ninety feet of new twisted pair has been run for telephones, etc., and 5,500 feet of old has been removed.

Eight thousand nine hundred and seventy-nine feet of lead-covered cable, consisting of two, four, six, ten, fourteen, twenty, and twenty-six conductors, has been placed underground on Highland avenue from Walnut street to Cedar street, and the old overhead wire is to be removed.

Connections have been made with Arlington, whereby an interchange of alarms and apparatus is effected.

Somerville now receives all alarms from Boston, Cambridge, Medford, and Arlington, and Somerville alarms are transmitted in return.

#### POLICE SIGNAL SYSTEM.

The police signal system has received its usual attention, and I again call your attention to its very poor condition in spite of the constant repairing which it receives.

This system is important, as it is necessary that officers on their routes shall be in communication with the station at all times.

This is not always possible with the present worn-out system, and it is important that a modern up-to-date system be installed.

#### Supervision of Poles and Wires on the Streets and Underground Conduits and Wires.

The same careful attention has been given to the condition of poles and wires on the streets as in previous years.

A large number of defective poles have been replaced by the companies owning same on notification.

New poles have been placed in locations granted for the purpose of supplying light and telephone service.

	New Poles.	Re-placed.	Re-moved.	Re-set.
New England Telephone & Telegraph Co. . . . .	16	41	5	2
Edison Electric Illuminating Co. . . . .	31	171	13	19
Boston Elevated Railway Co. . . . .		1		2
Permits given to New England Telephone & Telegraph Co. for attachments to Edison Electric Illuminating Co.'s poles . . . . .				646
Permits given to Edison Electric Illuminating Co. for attachments to New England Telephone & Telegraph Co.'s poles, . . . . .				34

The New England Telephone and Telegraph Company has built conduits on Elm street from Chester street to Oak square for the purpose of placing its wires underground and removing overhead wires, and has also enlarged the conduits on Pearl street from Bradley street to Marshall street.

This company has removed its overhead wires on the Webster-avenue bridge and part of its wires on Holland street and College avenue.

The Edison Electric Illuminating Company has built conduits on Webster avenue, and has placed its wires underground and removed its overhead wires, also part of the wires on Broadway from Teele square to the Arlington line.

The Boston Elevated Railway Company has built underground conduits on Broadway and North street and connecting with Medford, for the purpose of running a high-tension power line to furnish power for its sub-stations.

**Street Lighting.**

The matter of street lighting has been given careful attention, and a number of changes have been made in the kind of lamps and the location of the same.

A number of arc lamps have been replaced with incandescents of forty- and 100-candle power, which not only reduces the cost of lighting, but distributes the light more evenly.

The lamps on Broadway are to be replaced with magnetite lamps, which are double the candle-power of the present arc lamps, and will give a finely-lighted thoroughfare through the city.

There are a large number of new streets in the western part of the city which have no lights whatever, and the location of lights in said streets should be attended to as soon as practicable.

	Arcs.	Incandescents.	
		40 c. p. 100 c. p.	
Number of street lights January 1, 1911 . . . . .	494	725	
Number of street lights added, 1911 . . . . .	7	38	13
Number of street lights discontinued, 1911 . . . . .	33	7	
Number of street lights December 31, 1911 . . . . .	468	756	18

**Electrical Department.**

CREDIT.

Appropriation . . . . .	\$8,500 00	
Edison Electric Illuminating Co. . . . .	250 00	
William T. Crotty, cutting wires, etc. . . . .	21 00	
	<hr/>	
Total credit . . . . .		\$8,771 00

DEBIT.

Salaries . . . . .	\$5,770 90	
Fire alarm system . . . . .	1,741 86	
Police signal system . . . . .	892 64	
Inspection of electrical work . . . . .	369 04	
	<hr/>	
Total debit . . . . .		\$8,774 44
		<hr/>
Amount overdrawn . . . . .		\$3 44

**Underground Construction.**

CREDIT.

Appropriation . . . . .	\$4,000 00	
Balance unexpended, 1910 . . . . .	269 37	
	<hr/>	
Total credit . . . . .		\$4,269 37

DEBIT.

Labor . . . . .	\$761 40	
Materials . . . . .	2,430 60	
	<hr/>	
Total debit . . . . .		\$3,192 00
		<hr/>
Balance unexpended . . . . .		\$1,077 37



**Street Lighting.**

CREDIT.	
Appropriation . . . . .	\$51,000 00
DEBIT.	
Edison Electric Illuminating Co. . . . .	\$54,508 64
Amount overdrawn . . . . .	<u>                    </u> \$3,508 64

**Recommendations.**

I respectfully recommend that:—

The police signal system be replaced immediately by a modern open circuit system.

The matter of providing suitable headquarters for the fire alarm system be considered.

The present fire alarm system be replaced by a modern system when such suitable quarters are provided.

**Conclusion.**

I wish to thank his honor, the mayor, the members of the board of aldermen, and the several departments for courtesies received, and the members of this department for the faithful performance of their duties.

Respectfully submitted,

WALTER I. FULLER,

Commissioner of Electric Lines and Lights.

# SOMERVILLE WATER WORKS.

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SOMERVILLE, MIDDLESEX CO., MASSACHUSETTS.

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Location : Somerville City Hall (near centre of the city) is  $2\frac{3}{4}$  miles northerly from State House in Boston.

Greatest extent of the City north and south about 4.2 miles.

Greatest extent of the City east and west about 2.1 miles.

Elevation Highland avenue at City Hall 105 feet above mean low water.

Lowest building elevation in the city 13 feet.

Highest building elevation in the city 145 feet.

Area of city, including land and water, about 4.22 square miles.

Land, 2,461.50 acres : water and marsh, 238.50 acres.

Population, census, 77,236.

Entire population on line of pipe and supplied with water.

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Water works owned by City of Somerville.

Construction commenced in 1868.

Source of supply : Metropolitan system, taking water of the Nashua river at Clinton, Mass.

Range of pressure on street mains :

Low service 35 to 65 pounds.

High service 45 to 100 pounds.

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## Mayor

HON. CHARLES A. BURNS.

## Water Commissioner

FRANK E. MERRILL.

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**Office of the Water Department,**

Room 10, City Hall.

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**Department Buildings and Yard,**

Cedar street, near Broadway.

## REPORT OF THE WATER COMMISSIONER.

OFFICE OF THE WATER COMMISSIONER, }  
January, 1912. }

To His Honor, the Mayor, and the Board of Aldermen:—

I present herewith my report for the year ending December 31, 1911, this being the thirty-eighth annual report of the water department, and my twelfth as water commissioner:—

### Receipts and Expenditures.

Water bills have been issued as follows:—

“Annual” water charges, amounting to . . . . .		\$90,713 70
“Additional” water charges, amounting to . . . . .		4,317 86
“Metered” water charges, amounting to . . . . .		134,006 01
		\$229,037 57
	Annual and add'l.	Metered.
Abatements on above charges . . . . .	\$1,216 00	\$773 95
Refunds on above charges . . . . .	403 00	72 48
Abatements on 1910 charges . . . . .		17 90
	\$1,619 00	\$864 33
		2,483 33
Income from sale of water . . . . .		\$226,554 24
Amount received from water service assessments . . . . .		\$4,200 44
Amount received for labor and materials . . . . .		12,503 07
		16,703 51
Total income of water works . . . . .		\$243,257 75
This amount was used as follows:—		
For water works purposes:—		
Water works maintenance . . . . .		\$27,203 93
Water works extension . . . . .		10,739 45
Miscellaneous accounts . . . . .		16,703 51
Interest on water loan bonds . . . . .		1,980 00
Maturing water loan bonds . . . . .		6,000 00
Metropolitan water works assessment . . . . .		115,094 29
		\$177,721 18
For other municipal purposes:—		
Sewers, maintenance . . . . .		\$13,000 00
Fire department . . . . .		50,000 00
Public Buildings department, maintenance of water buildings . . . . .		806 33
Reduction of funded debt . . . . .		1,730 24
		65,536 57
		\$243,257 75

In addition to the appropriations from water income to other municipal purposes enumerated above, water has been furnished without charge to all the city departments that have

required its use, and it is paid for out of the income from sale of water.

### Department Receipts and Disbursements.

#### WATER MAINTENANCE ACCOUNT.

	DR.	CR.
Amount appropriated by board of aldermen from water income . . . . .		\$25,000 00
Amount transferred from Water Works Extension account . . . . .		6,000 00
Sundry accounts for labor and materials . . . . .		12,472 62
Materials used in extension of the water works . . . . .		11,060 82
Amount expended for labor and materials for operation, maintenance, and renewal of the water works . . . . .	\$27,203 93	
Amount expended for materials used in extension of the water works . . . . .	11,060 82	
Miscellaneous accounts . . . . .	12,472 62	
Transferred to Water Works Extension account . . . . .	3,239 45	
Unexpended balance . . . . .	556 62	
	<hr/> \$54,533 44	<hr/> \$54,533 44

#### WATER WORKS EXTENSION ACCOUNT.

	DR.	CR.
Amount appropriated by board of aldermen from water income . . . . .		\$13,500 00
Amount transferred from Water Maintenance account . . . . .		3,239 45
Receipts from water service assessments . . . . .		4,200 44
Receipts from waterpost services . . . . .		30 45
Amount expended for labor and materials used in extension of the water works . . . . .	\$10,739 45	
Miscellaneous accounts . . . . .	4,230 89	
Amount transferred to Water Maintenance account . . . . .	6,000 00	
	<hr/> \$20,970 34	<hr/> \$20,970 34

#### Cost of Water Works.

The total cost of the water works on December 31, 1910, as represented by the expenditures from appropriations for water works extension was . . . . .	\$933,818 89
Expended during the year 1911, on extension account . . . . .	10,739 45
Total expenditures, December 31, 1911 . . . . .	<hr/> \$944,558 34

#### Water Debt.

Water loan bonds have been issued on funded debt account to the amount of \$1,017,000; this has been reduced by \$973,000, leaving the water debt on December 31, 1911, \$44,000.



The outstanding bonds mature as follows:—

YEAR.	AMOUNT.	YEAR.	AMOUNT.
1912	\$6,000	1917	\$5,000
1913	6,000	1918	5,000
1914	6,000	1919	4,000
1915	5,000	1920	2,000
1916	5,000		

### Water Works Income from 1898 and its Distribution.

The water income and its distribution from 1898 to 1911, inclusive, is shown in the following table:—

Total water income, years 1898 to 1911, inclusive . . . \$3,127,902 35  
Distribution:—

#### Water Works Account.

Water Works Construction, Renewal, Maintenance and Operation . . . . .	\$754,511 09	
Water Bonds . . . . .	230,000 00	
Interest . . . . .	78,795 00	
Metropolitan Water Assessments . . . . .	1,087,625 26	
		\$2,150,931 35

#### Other Municipal Accounts.

Sewers	{ Construction . . . . .	\$117,035 65	
	{ Maintenance . . . . .	147,450 00	
	{ Bonds . . . . .	72,000 00	
	{ Interest . . . . .	58,792 00	
	{ Assessments . . . . .	31,000 00	
			\$426,277 65
Fire Department, Maintenance . . . . .			378,026 33
Health Department, Maintenance . . . . .			7,500 00
Suppression of Moths . . . . .			1,000 00
Reduction of Funded Debt . . . . .			161,571 61
Unappropriated Balances . . . . .			1,789 08
Public Buildings Department, Maintenance Water Buildings. . . . .			806 33
			\$3,127,902 35

### Water Distribution.

#### STREET MAINS.

As shown in the insert table accompanying this report, there has been laid during the year 6,409 feet of street mains. 179 feet of hydrant connections, 137 feet of blow-off pipes, and thirty-seven feet of waterpost services, a total of 6,762 feet. There has been removed or abandoned a total of 2,924 feet, making a net increase of 3,838 feet in the pipe mileage of the city, which now reaches a total of approximately 95.83 miles.

The sizes and lengths of pipe laid and abandoned are as follows:—

Size.	Feet Laid.	Abandoned.	Size.	Feet Laid.	Abandoned.
2"	415	0	10"	705	293
4"	90	219	12"	1,130	758
6"	2,153	405	16"	101	137
8"	1,248	230	20"	920	882

The heaviest pipe work of the season has been in connection with the grade crossing elimination in Webster avenue. This work involved much study, and included the reconstruction of the twenty-inch pipe line in Webster avenue and Newton street east, and of smaller mains in Newton street west, Clark street, Concord avenue, Prospect street, Emerson street, Everett street, and Webster avenue. New mains were laid and portions of the old mains were raised to conform to the new grades established for these streets, and new service connections were laid to all the houses within the area affected by the changes of street grades.

The length of new main pipe laid in place of that which it was deemed inexpedient to raise on account of the cost and impairment of the service was as follows: Six-inch, 404 feet; ten-inch, 395 feet; twelve-inch, 1,130 feet; sixteen-inch, 101 feet; twenty-inch, 920 feet; total, 2,950 feet. There were also laid sixty-six feet of hydrant branches and 137 feet of blow-off pipes.

The number of gates set in connection with this work was thirty-seven, and the number of hydrants nine; there were ten blow-offs installed. Eleven gates were removed or abandoned in their old locations, and seven hydrants were removed.

The number of house services laid on this work was forty-six, and contained 200 feet of five-eighths-inch, 1,494 feet of three-fourths-inch, 239 feet of one-inch, and sixty-three feet of two-inch pipe, a total of 1,996 feet. Five service pipes were permanently discontinued on account of removal of the buildings.

All the pipes, gates, hydrants, and service stock were furnished by the water department, and were installed by our own employees without impairment of the fire or domestic service during the whole period covered by the extensive changes made in the streets.

The trench work and mason work were for the most part done by the general contractor for the grade-crossing changes. A bill has been rendered and paid covering the larger portion of the cost to the water department of this work, and the final settlement will be made when the work is fully completed.

Street mains have been laid in other parts of the city as needed to keep pace with land and building developments, principally in the following streets: Belmont square, Conwell avenue, Harold street, Hillsdale road, Kenneson road, Lowell circle, Line street, Waldo avenue, West Adams street, and Whitman street.

Mains have also been laid on account of needed service

improvements in Kilby street, McGregor avenue, and Parker place. A connection was made with the Holland-street main for Buena Vista road, in anticipation of the permanent paving of Holland street.

Trench work, excavating, and backfilling for water pipes has been done by contract labor in the following streets:—

Street.	Feet of Trench.	Cu. Yards Rock.	Contractor.	TRENCH WORK.		Total Cost of Trench Work.	Average Cost per foot of Trench Work.
				Earth. Lin. Ft.	Rock. Cu. Yd.		
Belmont Sq.	233	7	J. H. Fannon	.35	2.50	99.05	.425
Harold St. .	350	..	" "	.25	..	87.50	.25
Line St. . .	426	..	" "	.35	..	149.10	.35
W. Adams St.	735	41.8	" "	.35	2.50	361.75	.492

Pipes and other stock required were furnished, and all the pipe laying was done by the water department.

#### Hydrants, Gates, etc.

Including the work in connection with the grade-crossing elimination at Webster avenue there have been thirty-six hydrants set and nineteen removed, making a net increase of seventeen, and a total in the city service of 1,082.

One hydrant has been set in the yard of the water department; this, with the two in the highway department yard, adds three to the number classed as private hydrants, making the total number thus installed fifty-eight.

In all, there have been set during the year sixty-two gate valves and twelve have been removed, the net increase being fifty, and the number now in the distribution system 1,519.

A card system is being prepared, showing, in a form handy for reference and use, the locations of all the gates in the city.

Ten blow-offs have been installed and one waterpost set for street watering; the number of blow-offs in service is now 152, and the number of waterposts is eighty-three.

The drinking fountain has been removed from Lincoln park, as the construction of a recreation building there has made it no longer needed. On account of the removal of the reservation in Teele square and the large amount of railway traffic through the streets centring there, it was deemed advisable to remove the horse trough which has stood in that square for many years, and this was accomplished before the permanent paving was laid. The number of drinking fountains and troughs now in the city is six.

#### Water Services.

A considerable increase is shown in the number of new services installed, the number laid during the year being 235, a gain of sixty-three per cent. over the previous year. The com-







The meters installed in 1911 were classed as follows:—

Applications of property owners . . . . .	265
New services . . . . .	200
General installation . . . . .	263
Reset . . . . .	42
	<hr/>
Total . . . . .	770

Meters were removed for the following causes:—

Vacancies and temporary non-use of water . . . . .	38
Services permanently discontinued . . . . .	4
Replaced by other meters . . . . .	12
	<hr/>
Total . . . . .	54

Under the provisions of the Metropolitan Water Act it is necessary that there be installed in this city at least 411 meters each year on services previously unmetered, and meters on all new services when they go into regular use. The number of meters set during the year in excess of the actual requirements of the state law was 117.

The following table gives a summary of the pipes and fixtures of the water system December 31, 1911:—

#### Summary of Pipes and Fixtures.

Feet of main pipe (approximately) . . . . .	505,989
Feet of service pipe (approximately) . . . . .	424,954
Service connections (approximately) . . . . .	12,357
Public fire hydrants . . . . .	1,082
Private fire hydrants . . . . .	58
Gates . . . . .	1,519
Check valves . . . . .	7
Meters . . . . .	6,526
Motor registers . . . . .	7
Waterposts . . . . .	83
Blow-offs . . . . .	152
Drinking fountains and troughs . . . . .	6

### MAINTENANCE AND OPERATION.

#### Accounting.

The net receipts from water income for the last year were \$226,554.24, the largest in the history of the department; of this amount \$93,412.56 was derived from "annual" and "additional" rates, and \$133,141.68 from "metered" rates.

Bills on water service account to the amount of \$4,200.44, and for pipe, materials, and labor furnished on the grade-crossing elimination work and for various and numerous other purposes to the amount of \$12,503.07 have been rendered and been paid, in addition to the water income bills. It is estimated that 35,000 bills are now annually made and delivered by this department, and as each bill has to go through its individual and varied processes of record, the bookkeeping and

accounting department has grown to be a very important branch of the water works.

The amount expended for labor and materials for operation, maintenance, and renewal of the water works appears \$2,801.77 greater than that of the previous year; this is accounted for by expenditures from the department appropriation for work done on the Webster-avenue crossing, which has not yet been paid for, but which amounts to a sufficient sum to eliminate this excess when the account is settled.

#### **Street Mains.**

The street mains have given us no trouble during the year, and the unusual statement may here be recorded that on our ninety-six miles of mains there have been no breaks or leaks discovered.

To show the varied work done by the department the following summary is given of the "maintenance" items turned in by the foremen:—

#### **Main Gates.**

One gate has been removed and replaced; ninety-four have been packed and oiled; three gate boxes have been replaced; twelve have been reset; and twenty-two have been brought to the proper street grade.

#### **Hydrants.**

Ten hydrants have been replaced; twenty-two reset; twelve repaired; 4,419 inspected; seventy-three hydrants opened to blow off street mains.

#### **Waterposts.**

Turned on for use, eighty-two; turned off, eighty-two; repaired, sixty-seven.

#### **Services.**

Replaced services wholly or partly at owner's expense, sixty; replaced at city's expense, forty-eight; repaired service leaks at owner's expense, twenty-six; repaired at city's expense, 102; thawed services at owner's expense, eight; thawed at city's expense, two; cleaned services inside premises at owner's expense, 114; cleaned by wiring, thirty-two; cleaned at connection with main, 341; closed at main and abandoned, twenty-seven; turned off for non-payment, seventy; turned off for vacancy, seventy-five; turned on for occupancy, seventy-five; turned off and on for repairs, 209; new gates set on old services, seventeen; cleaned out and reset service boxes, 159; raised service boxes to proper grade, 801; lowered boxes to proper grade, 5,048; located buried boxes, thirty-nine; filled settled trenches, 460; unclassified, 641; total, 8,354 jobs.

### Meters

Meters replaced permanently, eleven; removed permanently, three; removed for non-payment, two; removed for testing at owner's expense, ten; removed for vacancy, twenty-six; removed for damages at owner's expense, twenty; removed for damages at city's expense, three; reset meters for occupancy, twenty-six; reset for convenience, fifteen; reset repaired meters, 235; repaired meters at owner's expense, thirty-one; repaired meters at city's expense, 204; minor repairs made to meters at premises, seventy-seven; set new tile boxes, twelve; changed from wooden to tile boxes, six; tile boxes removed, two; wooden boxes replaced, two; meters changed from inside to tile boxes, two; repaired meter box covers, twenty; set meter connections, twenty-nine; total, 781 jobs.

All meters found out of order during the year have been repaired in our department shop by our own workmen. The number covers about four per cent. of the entire meter installation and the defects come under the following classifications: Broken disks, fifty; defective registers, sixteen; defective gear trains, thirty-five; freezing, forty-one; hot water, ten; dirt, sediment, and similar obstructions, thirty-seven; miscellaneous defects in gears, spindles, screws, etc., inside the meters, seventy-three; noisy meters, twelve; a total of 274.

### Service Maintenance.

As the house service pipes increase in number and in age it is naturally to be expected that this branch of the distribution system will demand a considerable share of our attention in the future for its proper maintenance and renewal. The requirements in this direction during the past year have, however, greatly exceeded anything previously experienced; the demands on our working force for the relief of services suffering from "poor pressure" having at times been almost overwhelming. Practically all the cases have now been cared for, and it is hoped that our service maintenance division will be able to give prompt attention to all complaints that may hereafter be entered.

It is a matter of much importance that the water services be thoroughly inspected, and renewed when desirable, in all streets that are to be permanently paved. The primary outlay for such work might be considerable, but ultimately it might prove an economic expenditure, as the cost of digging up and repairing such streets is considerable, and it would seem wise that an amount should be included in the department appropriation to cover the cost of such work of that nature as may be anticipated at the beginning of the year. Should this not appear practicable at the time the yearly appropriations are



fixed, then some arrangement for needed funds should be provided at the time the work is at hand.

### **Buildings and Grounds.**

One of the crying needs of the department has been remedied during the year by the erection of a fence enclosing the yards of the water and highway departments, affording needed protection to the department property; another improvement has been the relocation of the railroad siding, which now enters the yard enclosure, giving greater security to the consignments, better access to the freight cars, and increased facility for unloading. One-half the cost of the fence was paid from the water department appropriation, and the other half by the highway department.

A new fire hydrant has been installed in the water department yard for the better protection of the buildings.

It was found necessary to retube the boiler of the emergency pumping plant, which is used for heating the buildings, and the expense of this work has been paid from the department appropriation.

Minor repairs have been made to the buildings by the public buildings department, but there is need of a considerable outlay to put and keep them in proper condition.

### **Department Efficiency.**

While much credit is due to the department employees for their willingness to respond to calls for their services out of the regular working hours and for their constant devotion to the interests of the city, there is little doubt but that the efficiency of the department could be increased if one or two of the skilled men lived in proximity to the water works yard, so that their services with teams could be more quickly obtained in emergency cases. The difficulty of obtaining the men at long range in the night time has been manifest on several occasions, and some criticism has been made of a seeming delay in attending to night calls. With the skilled men, who are depended upon for emergency cases, living at a considerable distance from headquarters, however, rapid service in the night cannot well be obtained.

To remedy this I recommend that a two-apartment dwelling house of pleasing architectural construction and with modern improvements be erected on the department grounds between the present buildings and Cedar street, to be occupied by suitable employees of the department who can be relied upon to respond quickly to calls made outside the regular hours of service, and who can also have oversight of the place during the period between working hours.

An extension of telephone service to the houses of several of our foremen would, no doubt, be helpful in obtaining



quicker service than at present, and I recommend that two such telephones be at once installed for use until other arrangements can be perfected.

#### Teaming Equipment.

Two of the horses employed in our teaming work have died during the year from old age and disease, and one has become a resident of Red Acre Farm in Stow, Mass., having become unfitted for further work on the city streets through a lameness. No new horses have been purchased, but the acquisition has been made of a gasoline motor truck, made by the International Harvester Company, which is doing effective work. We now have but four horses engaged in our department work, and it is hoped to gradually supplant these with motor equipment, as better results are obtained than with animal service.

#### Water Assessments and Consumption.

The annual assessments paid by this city as its proportionate part of the cost and operation of the metropolitan water works are given below:—

Year.	Sinking Fund.	Maintenance.	Interest.	Maturing Bonds.	Total.
1898	No division made				\$14,250 19
1899	"	"	"	"	20,975 58
1900	"	"	"	"	28,689 24
1901	\$12,491 73	\$12,033 79	\$32,291 24		56,816 76
1902	19,014 85	12,955 64	30,427 40		62,397 89
1903	15,748 56	12,763 10	48,776 77		77,288 43
1904	16,404 42	15,393 87	54,938 64		86,736 93
1905	21,358 11	13,666 71	55,535 91		90,560 73
1906	22,345 50	17,412 51	57,402 07		97,160 08
1907	25,365 30	18,880 01	62,089 30		106,334 61
1908	24,865 73	15,221 12	68,604 23		108,691 08
1909	24,812 23	21,220 56	66,540 41		112,573 20
1910	25,018 52	18,212 28	66,825 45		110,056 25
1911	25,424 55	19,573 82	69,849 26	\$246 66	115,094 29
					\$1,087,625 26

There has been credited to the city by the commonwealth as its proportion of the amounts received from entrance fees, water supplied outside the district, and water furnished to water companies the sum of \$9,056.10.

The daily consumption of water in Somerville, as recorded by the Venturi meters, operated by the metropolitan water works, is shown below by months for the year 1911:—

Month.	Gallons.	Month.	Gallons.
January .....	6,220,900	July .....	6,176,900
February .....	6,391,200	August .....	5,870,300
March .....	6,080,300	September .....	5,608,000
April .....	5,920,400	October .....	5,510,100
May .....	6,165,800	November .....	5,317,800
June .....	6,853,400	December .....	5,428,400

The total consumption for the year is 2,153,171,500 gallons, making an average daily consumption of 5,899,100 gallons.

The average daily quantity of water used in Somerville during 1911 was seventy-four gallons per inhabitant, a decrease of six gallons from the previous year's consumption; the average for the entire district was 105 gallons daily per capita, a decrease for the year of five gallons per capita.

The following table shows the daily per capita consumption of water in the cities and towns in the metropolitan water district for the year 1911, as registered by the metropolitan meters:—

City or Town.	Jan.	Feb.	Mar.	Apr.	May.	June	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Year
Boston .....	138	138	130	123	125	123	123	120	119	118	116	117	124
Somerville .....	79	81	77	75	78	77	78	74	70	69	67	68	74
Malden .....	40	40	39	41	46	43	49	44	44	44	43	43	43
Chelsea .....	87	90	85	79	82	79	83	81	79	76	73	73	80
Everett .....	81	83	74	71	77	74	81	74	69	67	64	66	73
Quincy .....	79	79	78	77	92	94	107	95	92	86	84	76	87
Medford .....	52	51	50	51	57	54	60	51	45	45	45	43	50
Melrose .....	59	60	59	60	68	65	71	61	65	66	62	62	63
Revere .....	73	76	67	65	77	80	92	84	77	70	67	70	75
Watertown .....	72	63	64	66	73	68	82	67	62	63	61	59	67
Arlington .....	72	72	71	74	102	93	127	94	85	78	70	69	84
Milton .....	33	36	38	43	50	41	44	36	36	39	38	35	39
Winthrop .....	49	49	46	50	61	65	85	73	57	48	45	45	56
Stoneham .....	82	103	100	94	71	77	85	70	69	63	62	64	78
Belmont .....	52	54	58	61	89	86	128	85	64	60	60	56	71
Lexington .....	63	64	64	67	82	80	115	93	81	75	77	62	77
Nahant .....	49	49	49	58	61	67	84	71	65	61	48	36	65
Swampscott .....	55	51	50	56	60	60	70	66	60	54	53	57	59
Metropolitan Dist..	114	115	109	103	107	104	111	103	101	100	97	98	105

The district, in order of consumption, beginning with the lowest, stands as follows:—

City or Town.	Gallons.		City or Town.	Gallons.	
	Total per Day.	Per Capita per Day.		Total per Day.	Per Capita per Day.
1—Milton .....	317,700	39	10—Everett .....	2,557,800	73
2—Malden .....	1,971,300	43	11—Somerville ..	5,899,100	74
3—Medford .....	1,207,100	50	12—Revere .....	1,439,400	75
4—Winthrop ....	597,800	56	13—Lexington ...	352,900	77
5—Swampscott ..	427,700	59	14—Stoneham ....	573,300	78
6—Melrose .....	1,012,500	63	15—Chelsea .....	2,701,400	80
7—Nahant .....	152,000	65	16—Arlington ....	983,200	84
8—Watertown ...	889,200	67	17—Quincy .....	2,925,400	87
9—Belmont .....	415,500	71	18—Boston .....	85,571,500	124

**Meterage.**

The metering of the entire city is progressing under the provision of state legislation requiring all services to be equipped with water meters. As in past years the number installed in 1911 was somewhat in excess of that actually required for the year.

Never before has there been recorded so low a rate of

water consumption for this city as for the past year, the figure seventy-four indicating the gallons per capita used for all purposes, domestic, public, and commercial. This rate is six gallons lower than that of the previous year, which was the lowest on record to that time.

This reduction in water consumption materially affects our state water assessment, which, it is estimated, will be \$6,000 less than if the consumption had remained even at the low figure of last year.

#### **Water Income.**

While the water income holds at substantially the same figures from year to year, it is to be noted that notwithstanding the increase in percentage of metered services from forty-eight to fifty-three, and the natural tendency to decreased revenue on account of the low rates for metered water, the actual receipts from the sale of water last year were the largest in the history of the city water works.

While the percentage of services metered has increased from forty-eight to fifty-three the percentage of receipts from metered water has increased from fifty-five to fifty-nine.

#### **In General.**

The usual credit balance appears in the appropriation accounts of the department, and the physical condition of the water distribution system is believed to be excellent.

Following, and made a part of this report, is a copy of a pamphlet issued on May 1, 1911, by the water commissioner for the information of water consumers regarding the use of meters.

The accompanying tables give further information regarding the water works and details of work performed during the year.

Respectfully submitted,

FRANK E. MERRILL,

Water Commissioner.



**INFORMATION REGARDING THE USE OF WATER METERS.**

By legislative action, to reduce water wastes and conserve the Metropolitan water supply, all buildings supplied with city water are required to have their service pipes equipped with meters. The water commissioner will designate particular sections of the city each year to which the provisions of the law shall apply, and a meter must be installed on each water service in the district so designated.

Owners of property in other parts of the city than such designated districts may have meters installed in their premises by making application therefor on blanks provided for that purpose, which may be obtained at the office of the water department, city hall. Such applications for meters must be made prior to the commencement of the water income year, which is January 1; if received later than that date, they will be considered as for the following year.

One meter for each service pipe entering the building will be furnished and be owned by the city; if additional meters are desired for tenements or stores, they must be paid for by the applicant.

The cost of making all changes in piping and all renewals or additions, inside the building, that may be necessary to install the meter in a proper manner and in accordance with the water department requirements, must be borne by the property owner. The city does this work practically at cost; the charge varies, however, with the condition of the pipes and fittings found at the time of installation, but is usually less than \$5.

The owner may, if he so desires, employ his plumber to do this work, which must conform in all respects to the requirements of the water department. Notice of such intention should be given to the water commissioner, otherwise the city will proceed with the work at the expense of the owner.

If, for any purpose, a large meter is desired on premises where the quarterly water consumption is small, a rental for the meter will be charged, in addition to the water rate.

Meters are set, whenever at all practicable, at the point of entrance of the service pipe into the building, at or near the house stop-cock; care being taken that all branches of the house plumbing lead from the service pipe on the house side of the meter.

In buildings under construction a meter connection is furnished the contractor to set in the pipe line until the house is occupied, when it is removed and a meter installed by the city.

In many cases, on account of unfavorable conditions where the service enters the house, or from the location of the house or service pipe, it is necessary to set the meter outside the house, generally in the sidewalk; the average cost to the property owner of such installation is about \$15.



With such installation the city assumes all liability of injuries to the meter from any cause.

Freezing is injurious to water meters, and thawing them by the application of heat is also liable to damage them. They should, therefore, be adequately protected from frost by the owner of the premises.

Hot water will also seriously injure the working parts of a meter, and the property owner should see to it that the meter is protected by a check-valve, relief-valve, or otherwise, from any liability of back-flow from hot-water or steam boilers.

The city is divided into three meter districts, as follows:—

District 1—East Somerville, including all of that part of the city lying easterly of a line drawn from the Mystic river to Cambridge city line, through the centre of Fellsway West, Walnut street, Bow street from Walnut street to Somerville avenue, Somerville avenue from Bow street to Hawkins street, Hawkins street, Washington street from Hawkins street to the Cambridge line.

District 2—Central Somerville, including all of that part of the city lying westerly of the line described in District 1 and easterly of a line drawn from Medford city line to Cambridge city line, through the centre of Cedar street and Mossland street.

District 3—West Somerville, including all that part of the city lying westerly of the line described in District 2.

Meters are read quarterly,\* in the following months:—

District 1—In the months of March, June, September, and December.

District 2—In the months of January, April, July, and October.

District 3—In the months of February, May, August, and November.

In order to prepare the bills, it is necessary to have the meters read before the last day of the month; each meter, however, is read at regular intervals, so far as it is practicable to do so, and the charges, therefore, are for quarterly periods.

Bills are rendered quarterly,\* on the following dates:—

District 1—On January 1, for the period from the September to the December reading. April 1, for the period from the December to the March reading. July 1, for the period from the March to the June reading. October 1, for the period from the June to the September reading.

District 2—On February 1, for the period from the October to the January reading. May 1, for the period from the January to the April reading. August 1, for the period from the April to the July reading. November 1, for the period from the July to the October reading.

\*By "quarterly" is meant a period of any three consecutive months.

District 3—On March 1, for the period from the November to the February reading. June 1, for the period from the February to the May reading. September 1, for the period from the May to the August reading. December 1, for the period from the August to the November reading.

The failure of the owner or rate-payer to receive his water bill does not relieve him from the obligation of its payment nor from the consequences of its non-payment. The owner of the property supplied is charged for the water furnished the premises during his ownership.

If a metered house changes ownership, the name and address of the new owner should be given to the water office at once, so that bills may be properly rendered.

Bills for metered water must be paid within ten days from date of the bill; otherwise the water may be shut off from the premises by the city and not turned on again until the bill, with costs of \$1, is paid.

The rate for metered water is twelve cents per 100 cubic feet (equivalent to sixteen cents per 1,000 gallons); the water charge, however, will not be less than \$1.50 each quarter. For this minimum quarterly charge there may be used during the quarter 1,250 cubic feet of water, equivalent to 9,375 gallons, an average of 103 gallons daily.

If in any quarter the consumption is greater than this, the total quantity used will be charged at twelve cents per 100 cubic feet, irrespective of the quantity that may have been used in any previous quarter, or of the amount that may have been paid therefor.

After a meter has been installed it will not be removed for the purpose of rating the premises on any other basis of water charges.

If a house becomes unoccupied, the owner or agent may have the water shut off and the meter removed during the period of non-occupancy by making a written request therefor to the water department and enclosing \$1 to cover expenses.

A charge of not less than fifty cents is made for each month, or fractional part thereof, that water is delivered to the premises; after which time no further charge is made for the water until it is again turned on.

Water is said to be delivered to premises if it is furnished by the city as far as the house stop-cock, whether it is used or not.

The owner or occupant must keep the water meter within his premises at all times easily accessible for reading, and protected from freezing and from injuries of all kinds. The property owner will be charged with the cost of all repairs, damages, or expenses caused by freezing, injuries, obstructions, or faulty connections, and in case payment is not made

on demand, the water may be shut off from his premises, and not be turned on until all charges are paid.

Any one breaking a seal, disconnecting, or in any way interfering with the operation of a water meter is liable to a penalty of twenty dollars.

On premises where the water is metered hand hose may be used at any hour, and the use of a lawn sprinkler is permitted, without extra charge.

The schedule rate is charged for all water that passes through a meter, whether it is used or wasted. The city does not assume any responsibility for the use or waste of water within metered premises.

Before entering a complaint at the water office on account of a large water bill, all the fixtures in the house should be carefully examined to see that water is not running to waste, and tenants should be questioned as to the previous condition of the fixtures and their use of the water. In most cases an explanation of a large bill can thus be reached; if not, the water department will render assistance to a reasonable extent.

The following are common causes of waste of water:—

Defective pipes.

Defective ball-cocks or valves in water closet and boiler tanks.

Leaky faucets and stop-cocks.

Careless use of hose.

Allowing water to run in the winter to prevent freezing and in the summer for cooling.

As a result of experiments the amount of water that might be wasted through defective plumbing, under average pressure, and its cost to the rate-payer, has been found to be as follows:—

SIZE OF STREAM.	WASTE PER DAY.	COST PER MONTH.
1-2 inch . . . . .	45,600 gallons	\$226 18
1-4 " . . . . .	12,360 "	61 30
1-8 " . . . . .	3,360 "	16 67
1-16 " . . . . .	900 "	4 46
1-32 " . . . . .	240 "	1 19

A hole one-thirty-second of an inch in diameter is so small that an ordinary pin will completely fill it, yet in a quarter it will waste a quantity of water, if running constantly, that costs \$3.57.

The greatest number of leaks occur in water-closet tanks through imperfect seating of the ball-cock. A stream of water one-sixteenth inch in size may easily escape through a slightly defective ball-cock, causing a waste of water amounting in value to \$13.38 per quarter.



If a hissing or roaring noise is continually heard in the water pipes, it is evidence of a leak, and by listening with the ear pressed closely against the pipe or faucet, a very small leak may be discovered by its sound. Close the house stop-cock in the cellar, and if the sound still continues notify the water department, as the trouble is probably outside the house; if it stops, the leak is inside, and a plumber should be called.

See that water is not being drawn in the house, then watch the hand on the "one foot" dial of the meter; if it revolves, however slowly, it shows that water is escaping through the pipes or fixtures in the house; if this hand remains stationary, no flow of water is being registered.

In commercial practice one cubic foot of water equals seven and one-half U. S. gallons and weighs sixty-two and one-half pounds, or eight and one-third pounds per gallon, and meters are calibrated on that basis.

An ordinary house meter is tested by weighing ten feet of water, as indicated by the register, passing through the meter in a stream five-eighths inch or one-half inch in diameter; five feet in a one-fourth-inch stream; and one foot in a one-eighth-inch stream.

A meter that registers within three per cent. of the proper weight of those quantities of water is considered sufficiently accurate; the variations, however, usually show a much lower percentage of error.

Meters are also expected to operate on, and register flows as small as one-thirty-second inch in diameter.

A meter is said to "over-register" when it registers more water than is delivered by it to the consumer; and to "under-register" when it registers a smaller quantity than it should.

Inaccurate registration is easily corrected by changing the driving gear of the register train.

It is impossible for a water meter to operate unless the water passes through it; the flow of the water causes the piston to move and the meter to register. It is rarely that a meter runs too fast and registers more water than is used; it may become obstructed so that it runs too slowly, but this is in favor of the consumer, as more water passes through the meter than is registered.

Meters are tested at the factory and at the department shop before being installed. If a rate-payer desires a subsequent test, it will be made upon his payment to the city of one dollar to cover expenses, which amount will be refunded if the meter is found to have been over-registering more than three per cent. It is desired that, if possible, the rate-payer or his representative be present at the test.

An ordinary circular dial on a small water meter reads from 0 to 99,999 cubic feet; then the passing through the



meter of one more foot of water brings the pointer on each through all the circles, always using the lower denomination of recording another 100,000 cubic feet.

Each circle is divided into tenths; figures placed over the circles indicate the number of cubic feet discharged through the meter when the pointer in that circle has made one complete revolution; each division of any circle, therefore, indicates one-tenth of the quantity expressed by the figures over the circle.

The pointer in the one-foot circle makes one full revolution in the passage of each cubic foot of water, and each of the sub-divisions represents one-tenth of one foot. This circle is disregarded in the regular meter reading, but is useful in testing meters and for the detection of leaks in water pipes and fixtures.

To read the meter write down the figure indicated by the pointer in the "10" circle; then to the left of this figure write the one indicated by the pointer in the "100" circle, and so on through all the circles, always using the lower denomination of any two figures between which the pointer happens to stand.

When a pointer in any of the circles is so near a figure as to appear to indicate it exactly, refer to the circle next lower in denomination, and if the pointer in that circle has passed its "0," the figure apparently indicated is the correct one to use; otherwise take the figure next lower.

Larger meters read to 1,000,000 cubic feet, and the first circle is for ten feet instead of one foot. The method of reading is the same, however, except that the tenths division on which the pointer stands in the first circle should be written down as the unit figure of the total reading.

In order to prevent as far as possible the waste of water by consumers through leaky fixtures or by careless usage, and the consequent large bills, the water commissioner suggests that water takers read their meters frequently, and thereby keep themselves informed as to the quantity of water they are using.







**Gates Set in New Locations.**

- Belmont square, 6-inch gate, set 10 feet out from north line, on east line of Belmont street.
- Buena Vista road, 6-inch gate, set 10 feet out from south line, on west line of Holland street.
- Clark street, 10-inch gate, set 12 feet out from east line, on north line of Newton street (west), on new grade.
- Concord avenue, 12-inch gate, set 13 feet 4 inches out from south line, on west line of Prospect street, on new grade.
- Conwell avenue, 10-inch gate, set 13 feet 4 inches out from south line, on east line of North street.
- Elm street, 6-inch gate, set on hydrant branch, 11 feet out from south line and 11 feet west from Grove street.
- Elm street, 6-inch gate, set on hydrant branch, 11 feet out from south line and 30 feet west from Russell street.
- Emerson street, 6-inch gate, set 10 feet out from west line, on south line of Everett street.
- Emerson street, 6-inch gate, set 10 feet out from west line, on north line of Newton street (east), on new grade.
- Emerson street, 4-inch gate, set on blow-off branch, 13 feet out from west line and 3 feet south from south line of Everett street.
- Everett street, 6-inch gate, set 10 feet out from north line, on east line of Webster avenue, on new grade.
- Everett street, 4-inch gate, set on blow-off branch, 14 feet out from north line and 7 feet east from west line of Emerson street.
- Francesca avenue, 2-inch gate, set on waterpost branch, 10 feet out from south line and 50 feet east from College avenue.
- Harold street, 6-inch gate, set 13 feet 4 inches out from east line, on south line of Marion street.
- Hillsdale road, 8-inch gate, set 13 feet 4 inches out from east line, on north line of Conwell avenue.
- Holland street, 6-inch gate, set on hydrant branch, 13 feet out from east line and 198 feet south from Winter street, low service.
- Holland street, 6-inch gate, set on hydrant branch, 13 feet out from west line and 136 feet south from Buena Vista road, high service.
- Kenneson road, 8-inch gate, set 10 feet out from east line, on north line of Walnut road.
- Kilby street, 6-inch gate, set 6 feet 8 inches out from west line, on south line of Somerville avenue.
- Line street, 6-inch gate, set 10 feet out from east line, on north line of Cooney street.
- Lowell circle, 2-inch gate, set 3 feet 6 inches out from south line, on west line of Lowell street.
- Medford street, 12-inch gate, set 14 feet out from west line, on south line of Prospect Hill avenue.
- Medford street, 8-inch gate, set on hydrant branch, 13 feet out from west line, and 220 feet south from Warren street.
- Mystic avenue, 6-inch gate on hydrant branch, 12 feet out from south line and 90 feet east from Union street.
- Mystic avenue, 6-inch gate on hydrant branch, 13 feet out from south line and 3 feet west from Union street.
- Newton street (east), 20-inch gate, set 8 feet out from north line and 15 feet east from east line of Webster avenue, on new grade. The operating stem of this gate sets in gate chamber 5 feet out from north line of Newton street (east).
- Newton street (east), 20-inch gate, set 12 feet out from north line and 105 feet west from west line of Somerville avenue. The operating stem of this gate sets in gate chamber 15 feet out from north line of Newton street (east).



- Newton street (east), 6-inch gate set on blow-off branch 15 feet out from north line and 110 feet west from west line of Somerville avenue.
- Newton street (west), 12-inch gate set 17 feet out from north line, on west line of Clark street, on new grade.
- Newton street (west), 12-inch gate set 19 feet out from north line, on east line of Clark street, on new grade.
- Newton street (west), 12-inch gate set 13 feet 6 inches out from east line of Webster avenue and 141 feet north from north line of Prospect street, on new grade. This gate, although set in Webster avenue, controls the supply to Newton street (west) and is regarded as belonging to that street.
- Newton street (west), 4-inch gate set on blow-off branch 18 feet out from north line and 26 feet west from east line of Joseph street.
- Parker place, 2-inch gate set 7 feet out from north line, on west line of Porter street.
- Prospect street (east), 6-inch gate set 13 feet out from north line, on west line of Bennett street, 159 feet west from west line of Somerville avenue.
- Prospect street (east), 6-inch gate set on blow-off branch 20 feet out from north line of Newton street (east) and 110 feet west from west line of Somerville avenue.
- Prospect street (west), 10-inch gate set 18 feet out from east line, on south line of Concord avenue, on new grade.
- Prospect street (west), 6-inch gate set on hydrant branch 12 feet out from east line and 7 feet south from Concord avenue.
- Prospect street (west), 4-inch gate set on blow-off branch 23 feet out from south line and 5 feet east from west line of Oak street.
- Somerville avenue, 12-inch gate set in low-level main in yard of North Packing & Provision Company 7 feet southwest from fence under railroad bridge and 21 feet southeast from fence parallel with Boston & Albany railroad tracks.
- Summer street, 6-inch gate set on hydrant branch 11 feet out from north line and 95 feet west from Cutter avenue.
- Waldo avenue, 6-inch gate set 13 feet 4 inches out from northwest line, on northeast line of Beacon street.
- Webster avenue (north from Newton street), 12-inch gate set 14 feet out from east line and 20 feet south from south line of house No. 32, on new grade.
- Webster avenue (north), 6-inch gate set on hydrant branch, 9 feet out from east line and 37 feet south from south line of Washington street.
- Webster avenue (north), 6-inch gate set on hydrant branch 9 feet 6 inches out from east line and 190 feet south from south line of Everett street.
- Webster avenue (north), 6-inch gate set on blow-off branch 19 feet out from east line and 37 feet south from south line of Washington street.
- Webster avenue (south from Newton street), 10-inch gate set 13 feet out from east line, on south line of Norfolk street.
- Webster avenue (south), 10-inch gate set 13 feet out from east line, on north line of Norfolk street.
- Webster avenue (south), 16-inch gate set 13 feet out from east line, on south line of Columbia street. The operating stem of this gate sets in gate chamber 10 feet out from east line of the street.
- Webster avenue (south), 20-inch gate set 13 feet out from east line, on north line of Columbia street. The operating stem of this gate sets in gate chamber 9 feet 6 inches out from east line of the street.
- Webster avenue (south), 20-inch gate set 13 feet out from east line, on north line of Tremont street. The operating stem of this gate sets in gate chamber 9 feet 6 inches out from east line of the street.

- Webster avenue (south), 20-inch gate set 13 feet 6 inches out from east line, on south line of Prospect street, on new grade.
- Webster avenue (south), 20-inch gate set 9 feet 10 inches out from east line and 139 feet north from north line of Prospect street, on new grade. This gate is on the 45° offset from the main line to the pipe bridge.
- Webster avenue (south), 20-inch gate set on north side of railroad bridge, on the line over pipe bridge, 8 feet east from east line of Webster avenue and 15 feet south from north line of Newton street (east), on new grade. The operating stem of this gate sets in gate chamber 11 feet 8 inches south from north line of Newton street (east).
- Webster avenue (south), 6-inch gate set on hydrant branch 10 feet out from east line and 78 feet north from north line of Tremont street.
- Webster avenue (south), 6-inch gate set on hydrant branch 9 feet out from east line and 14 feet south from south line of Prospect street (east).
- Webster avenue (south), 6-inch gate set on hydrant branch 10 feet out from east line and 167 feet north from north line of Prospect street (east).
- Webster avenue (south), 4-inch gate set on blow-off branch 3 feet out from east line and 139 feet north from north line of Prospect street (east). This gate sets in the sidewalk.
- Webster avenue (south), 4-inch gate on blow-off branch, on north side of railroad bridge, on line of easterly retaining wall of bridge, and 8 feet out from south line of Newton street (east).
- Webster avenue (south), 6-inch gate set on blow-off branch 16 feet 6 inches out from east line and 9 feet north from north line of Tremont street.
- West Adams street, 8-inch gate set 13 feet 4 inches out from east line, on northerly line of Conwell avenue.
- West Adams street, 8-inch gate set 13 feet 4 inches out from east line and 473 feet north from north line of Conwell avenue.
- Whitman street, 8-inch gate set 13 feet 4 inches out from north line, on east line of Packard avenue.

#### **Gates Removed or Discontinued.**

- Clark street, 10-inch gate discontinued on grade of old pipe line 12 feet out from east line of Clark street, on north line of Newton street.
- Concord avenue, 12-inch gate discontinued on grade of old pipe line 13 feet 4 inches out from south line of Concord avenue, on west line of Prospect street.
- Emerson street, 4-inch gate discontinued on grade of old pipe line 10 feet out from west line of Emerson street, on north line of Newton street.
- Everett street, 6-inch gate discontinued on grade of old pipe line 10 feet out from north line of Everett street, on east line of Webster avenue.
- Medford street, 12-inch gate removed from 16 feet out from west line and 11 feet north from south line of Prospect Hill avenue.
- Newton street, 20-inch gate discontinued on grade of old pipe line 8 feet out from north line of Newton street, on east line of Webster avenue.
- Newton street, 12-inch gate removed from old pipe line 13 feet 4 inches out from north line of Newton street, on west line of Fitchburg railroad location.
- Prospect street, 10-inch gate discontinued on grade of old pipe line, 18 feet out from east line of Prospect street, on south line of Concord avenue.

- Webster avenue, 12-inch gate discontinued on grade of old pipe line 14 feet out from east line of Webster avenue, on north line of Newton street.
- Webster avenue, 20-inch gate discontinued on grade of old pipe line 13 feet out from east line of Webster avenue and 38 feet south from south line of house No. 37.
- Webster avenue, 20-inch gate removed from old pipe line 13 feet out from east line of Webster avenue and 53 feet south from south line of house No. 37.
- Webster avenue, 10-inch gate removed from 13 feet out from east line, on south line of Columbia street.

#### GATES—RECAPITULATION.

GATES.	2"	4"	6"	8"	10"	12"	16"	20"	Total.
Set . . . . .	3	6	27	6	5	7	1	7	62
Removed or Discontinued . . .	—	1	1	—	3	4	—	3	12

Net increase in number of gates in 1911 . . . . . 50  
 Total number of gates in the city December 31, 1911 . . . 1,519

#### FIRE HYDRANTS.

##### Construction—Renewal—Removal.

- Adams street, 6-inch Corey hydrant, set 250 feet north from Medford street.
- Adams street, 4-inch Holyoke Gate hydrant, removed from 266 feet north from Medford street.
- Ashland street, 6-inch Walker hydrant, set 7 feet south from Summer street.
- Ashland street, 6-inch Corey hydrant, set 268 feet south from Summer street.
- Ashland street, 4-inch Boston Machine hydrant, removed from 268 feet south from Summer street.
- Beacon street, 6-inch Mathews hydrant, set 208 feet east from Buckingham street.
- Beacon street, 6-inch Corey hydrant, set 79 feet west from Calvin street.
- Beacon street, 4-inch Holyoke Gate hydrant, removed from 208 feet east from Buckingham street.
- Beacon street, 4-inch Bigelow hydrant, removed from 79 feet west from Calvin street.
- Cedar street, 6-inch Walker hydrant, set 61 feet north from Hall street.
- Cedar street, 6-inch Holyoke Gate hydrant, removed from 61 feet north from Hall street.
- Clark street, 6-inch Mathews hydrant, set on new grade 15 feet north from Newton street (west).
- Conwell avenue, 6-inch Corey hydrant, set 9 feet east from North street.
- Conwell avenue, 6-inch Corey hydrant, set 336 feet east from North street.
- Emerson street, 6-inch Walker hydrant, set 13 feet north from Newton street (east), on new grade.
- Everett street, 6-inch Corey hydrant, set 149 feet west from Newton street (east).
- Everett street, 6-inch Walker hydrant, set 15 feet east from Webster avenue, on new grade.
- Everett street, 6-inch Chapman hydrant, removed from opposite Emerson street.



- Harold street, 6-inch Mathews hydrant, set 42 feet north from Dimick street.
- Holland street, 6-inch Mathews hydrant, set 8 feet north from Boston & Maine railroad line, on low service main.
- Holland street, 6-inch Mathews hydrant, set 23 feet south from Winter street, on high service main.
- Holland street, 6-inch Coffin hydrant removed from 8 feet north from Boston & Maine railroad line, on low service main.
- Holland street, 6-inch Holyoke Compression hydrant, removed from 23 feet south from Winter street, on high service main.
- Kenneson road, 6-inch Walker hydrant, set 12 feet south from Broadway.
- Kilby street, 6-inch Coffin hydrant, set 174 feet south from Somerville avenue.
- Liberty avenue, 6-inch Mathews hydrant, set 13 feet south from Broadway.
- Liberty avenue, 6-inch Mathews hydrant, set 207 feet south from Mallet street.
- Line street, 6-inch Holyoke Compression hydrant, set 100 feet south from Cooney street.
- Line street, 6-inch Walker hydrant, set 400 feet south from Cooney street.
- Malvern avenue, 6-inch Walker hydrant, set 146 feet west from Cameron avenue.
- Malvern avenue, 6-inch Walker hydrant, set 7 feet east from Yorktown street.
- Medford street, 8-inch Chapman Compression hydrant, set 220 feet south from Warren street.
- Medford street, 8-inch Chapman Gate hydrant, removed from 220 feet south from Warren street.
- Moreland street, 6-inch Mathews hydrant, set 3 feet south from East Albion street.
- Moreland street, 6-inch Chapman hydrant, removed from 3 feet south from East Albion street.
- Mystic avenue, 6-inch Corey hydrant, set 3 feet west from Union street.
- Mystic avenue, 4-inch Holyoke Gate hydrant, removed from 3 feet west from Union street.
- Newton street (west), 6-inch Mathews hydrant, removed from pipe on old grade, 9 feet east from Clark street.
- Ossipee road, 6-inch Walker hydrant, set 246 feet east from Packard avenue.
- Prospect street (west), 6-inch Mathews hydrant, set 7 feet west from Webster avenue, on new grade.
- Prospect street (west), 6-inch Mathews hydrant, removed from 35 feet south from Concord avenue, from pipe on old grade.
- Somerville avenue, 6-inch Mathews hydrant, set 13 feet east from Congress place.
- Somerville avenue, 6-inch Coffin hydrant, removed from 13 feet east from Congress place.
- Somerville avenue, 6-inch Mathews hydrant, set 670 feet west from East Cambridge line, on high level.
- Somerville avenue, 6-inch Holyoke Compression hydrant, removed from 670 feet west from East Cambridge line, on high level.
- Webster avenue, 6-inch Mathews hydrant, set 37 feet south from Washington street.
- Webster avenue, 6-inch Mathews hydrant, set 190 feet south from Everett street, on new grade.
- Webster avenue, 6-inch Mathews hydrant, set 167 feet north from Prospect street, on new grade.



- Webster avenue, 6-inch Mathews hydrant, set 14 feet south from Prospect street, on new grade.  
 Webster avenue, 6-inch Mathews hydrant, removed from 93 feet south from Washington street.  
 Webster avenue, 6-inch Holyoke Compression hydrant, removed from 12 feet south from Everett street, from pipe on old grade.  
 Webster avenue, 6-inch Holyoke Compression hydrant, removed from 25 feet north from Newton street, from pipe on old grade.  
 Webster avenue, 6-inch Mathews hydrant, removed from 63 feet north from Prospect street, from pipe on old grade.  
 West Adams street, 6-inch Corey hydrant, set 200 feet north from Conwell avenue.  
 West Adams street, 6-inch Corey hydrant, set 480 feet north from Conwell avenue.

#### HYDRANTS—RECAPITULATION.

HYDRANTS.	4"	6"	8"	Total.
Set . . . . .	—	35	1	36
Removed . . . . .	5	13	1	19

Net increase in number of hydrants in 1911 . . . . . 17  
 Total number of hydrants in the city December 31, 1911 . . . 1,082

#### Locations of Hydrants.

- Aberdeen road, 237 feet west from Cedar street.  
 Acadia park, 186 feet north from Somerville avenue.  
 Adams street, 11 feet south from Broadway.  
 221 feet south from Broadway.  
 250 feet north from Medford street.  
 10 feet north from Medford street.  
 Adrian street, 93 feet east from Marion street.  
 220 feet south from Joseph street.  
 Albion street, 396 feet west from Central street.  
 15 feet west from Centre street.  
 217 feet east from Lowell street.  
 7 feet west from house No. 110.  
 444 feet east from Cedar street.  
 Aldersey street, 276 feet west from Walnut street.  
 Allen street, 9 feet north from Charlestown street.  
 45 feet west from Somerville avenue.  
 323 feet west from Somerville avenue.  
 Alpine street, 280 feet east from Cedar street.  
 76 feet west from Princeton street.  
 298 feet west from Lowell street.  
 Alston street, 212 feet east from Cross street.  
 10 feet west from Shawmut place.  
 Ames street, 123 feet west from Central street.  
 Appleton street, 3 feet east from Clifton street.  
 41 feet west from Willow avenue.  
 Arlington street, 36 feet east from Hathorn street.  
 Arthur street, 29 feet south from Broadway.  
 Ash avenue, 300 feet north from Meacham street.  
 Ashland street, 7 feet south from Summer street.  
 268 feet south from Summer street.  
 Atherton street, 31 feet east from Spring street.

- Auburn avenue, 239 feet west from Cross street.  
481 feet west from Cross street.
- Austin street, 81 feet south from Mystic avenue.  
66 feet north from Benedict street.  
2 feet north from Broadway.
- Avon street, 233 feet east from Central street.  
572 feet west from School street.  
270 feet west from School street.
- Banks street, 310 feet south from Summer street.
- Bartlett street (Ward 1), 130 feet south from Washington street.
- Bartlett street (Ward 5), 230 feet south from Broadway.  
223 feet north from Medford street.  
15 feet south from Ames street.  
10 feet south from Robinson street.
- Bay State avenue, 39 feet south from Broadway.  
7 feet south from Mallet street.  
92 feet north from Kidder avenue.
- Beacon street, 316 feet west from Greenwood terrace.  
10 feet east from Stanford terrace.  
46 feet west from Sacramento street.  
40 feet east from Sacramento street.  
2 feet west from Beckwith circle.  
15 feet west from Kent street.  
4 feet west from Ivaloo street.  
68 feet east from Park street.  
18 feet east from Durham street.  
26 feet east from Washington street.  
79 feet west from Calvin street.  
8 feet west from Waldo avenue.  
28 feet west from Buckingham street.  
208 feet east from Buckingham street.  
6 feet east from Concord avenue.
- Beech street, 4 feet south from Atherton street.
- Belknap street, 63 feet north from Broadway.  
80 feet south from Russell road.
- Belmont street, 206 feet north from Spring Hill terrace.  
241 feet north from Summer street.  
243 feet south from Summer street.  
10 feet north from Belmont place.  
222 feet south from Belmont place.  
185 feet north from Somerville avenue.
- Benedict street, 33 feet east from Mystic street.
- Bennett street, 166 feet east from Prospect street.
- Benton road, 2 feet north from Cambria street.  
28 feet south from Highland avenue.
- Berkeley street, 8 feet east from Central street.  
150 feet east from Hersey street.  
28 feet west from School street.  
212 feet west from Hersey street.
- Billingham street, 126 feet north from William street.
- Blakeley avenue, 13 feet east from Fellsway East.
- Bolton street, 203 feet north from Houghton street.  
3 feet south from Oak street.
- Bonair street, 26 feet west from Cross street.  
90 feet east from Autumn street.  
121 feet east from Arthur street.  
67 feet east from Dana street.  
Opposite Melvin street.  
117 feet east from Walnut street.
- Bond street, 63 feet south from Jaques street.

- Bonner avenue, 171 feet north from Washington street.
- Boston avenue, 110 feet south from bridge over Mystic river.  
 492 feet north from Gove street, Medford.  
 65 feet north from Highland road.  
 23 feet east from Pearson avenue.  
 289 feet north from Morrison avenue.
- Boston street, 11 feet west from Prospect Hill avenue.  
 207 feet west from Bigelow street.  
 87 feet east from Bigelow street.  
 6 feet north from Munroe street.
- Bow street, 102 feet north from Warren avenue.  
 23 feet west from Wesley park.  
 25 feet east from Bow-street place.  
 74 feet north from Walnut street.
- Bow-street place, 193 feet west from Bow street.
- Bowdoin street, 65 feet north from Fremont avenue.
- Bradley street, 26 feet south from Veazie street.
- Brastow avenue, 202 feet east from Porter street.  
 115 feet west from Lowell street.
- Broadway, 50 feet east from Mt. Pleasant street.  
 20 feet west from George street.  
 21 feet west from Broadway place.  
 83 feet east from Cutter street.  
 7 feet east from Glen street.  
 21 feet east from Rush street.  
 15 feet west from Cross street.  
 7 feet west from Autumn street.  
 6 feet west from Montgomery avenue.  
 33 feet west from Walnut street.  
 4 feet east from Sargent avenue.  
 3 feet west from Melvin street.  
 157 feet west from Grant street.  
 117 feet east from Marshall street.  
 62 feet west from Marshall street.  
 4 feet west from School street.  
 10 feet west from Thurston street.  
 209 feet east from Central street.  
 104 feet west from Norwood avenue.  
 15 feet west from City road.  
 288 feet east from Cedar street.  
 Opposite Cedar street.  
 5 feet east from Wilson avenue.  
 252 feet west from Wilson avenue.  
 115 feet west from Rogers avenue.  
 236 feet west from Liberty avenue.  
 175 feet west from College avenue.  
 6 feet west from Billingham street.  
 9 feet west from Packard avenue.  
 32 feet east from Westminster street.  
 237 feet east from Endicott avenue.  
 6 feet west from Endicott avenue.  
 9 feet west from Garrison avenue.  
 330 feet west from Waterhouse street.
- Broadway park, near the pond.
- Bromfield road, 179 feet north from Warner street.  
 567 feet north from Warner street.  
 267 feet south from Dearborn road.
- Brook street, 18 feet west from Rush street.
- Browning road, 302 feet west from Sycamore street.  
 136 feet east from Central street.

- Buckingham street, 2 feet south from Dimick street.  
 Burnside avenue, 259 feet north from Elm street.  
     120 feet south from Summer street.  
 Calvin street, 186 feet south from Beacon street.  
 Cambria street, 131 feet west from Central street.  
 Cameron avenue, 166 feet south from Holland street.  
     Opposite Mead street.  
     26 feet south from Glendale avenue.  
 Campbell park, 258 feet west from Meacham road.  
 Cedar street, 226 feet south from Sartwell avenue.  
     98 feet north from Sartwell avenue.  
     61 feet north from Hall street.  
     22 feet south from Highland avenue.  
     12 feet north from Highland avenue.  
     10 feet north from Albion street.  
     124 feet south from Warwick street.  
     50 feet north from Clyde street.  
     24 feet south from Murdock street.  
     270 feet south from Broadway.  
 Central street, 50 feet south from Broadway.  
     6 feet north from Forster street.  
     27 feet north from Vernon street.  
     5 feet north from Pembroke street.  
     187 feet south from Vernon street.  
     9 feet north from Willoughby street.  
     92 feet north from Highland avenue.  
     9 feet south from Highland avenue.  
     6 feet north from Oxford street.  
     23 feet south from Avon street.  
     14 feet south from Summer street.  
 Chandler street, 16 feet south from Broadway.  
     206 feet north from Park avenue.  
 Chapel street, 14 feet east from Chandler street.  
 Charles street, 183 feet south from Washington street.  
 Charnwood road, 79 feet west from Hancock street.  
 Cherry street, 7 feet south from Sartwell avenue.  
     254 feet north from Sartwell avenue.  
     252 feet north from Summer street.  
     26 feet south from Highland avenue.  
 Chester street, 15 feet north from Chester place.  
 Chestnut street, 480 feet south from Poplar street.  
     246 feet south from Poplar street.  
 Chetwynd road, 236 feet west from Curtis street.  
 Church street, 9 feet south from Summer street.  
     300 feet south from Summer street.  
     16 feet south from Somerville avenue.  
     29 feet north from Somerville avenue.  
     12 feet north from Lake street.  
 City Road, 70 feet north from Summer street.  
     67 feet south from Roberts street.  
 Claremon street, 255 feet south from Holland street.  
 Clarendon avenue, 253 feet south from Broadway.  
     Opposite house No. 66.  
     Near Cambridge line.  
 Clark street, 15 feet north from Newton street.  
     200 feet north from Newton street.  
     412 feet north from Newton street.  
 Cleveland street, 192 feet west from Central street.  
 Clyde street, 250 feet east from Cedar street.  
     Opposite Murdock street.



- College avenue, 12 feet north from Winter street.  
 6 feet south from Morrison avenue.  
 8 feet south from Hall avenue.  
 53 feet west from Francesca avenue.  
 Opposite Kenwood street.  
 100 feet west from Broadway.  
 405 feet north from Broadway.  
 720 feet north from Broadway.
- Columbia street, 3 feet south from Beach avenue.  
 8 feet south from Columbia court.
- Columbus avenue, 7 feet north from Washington street.  
 150 feet east from Bonner avenue.  
 118 feet west from Bonner avenue.  
 35 feet west from Stone avenue.  
 3 feet east from Walnut street.
- Concord avenue, 154 feet west from Prospect street.  
 76 feet east from Concord square.  
 On east line of Knapp school.  
 313 feet east from Springfield street.  
 24 feet east from Springfield street.  
 7 feet east from Marion street.  
 6 feet south from Hammond street.  
 20 feet east from Wyatt street.
- Conlon-court extension, 138 feet west from Windsor street.
- Conwell avenue, 20 feet west from Curtis street.  
 460 feet west from Curtis street.  
 29 feet west from Hillsdale road.  
 9 feet east from North street.  
 336 feet east from North street.
- Conwell street, 6 feet south from Highland avenue.  
 3 feet north from Francis street.
- Cooney street, 98 feet north from Line street.
- Cottage avenue, 206 feet west from Russell street.
- Craigie street, 216 feet south from Summer street.  
 232 feet north from Kimball street.  
 77 feet south from Kimball street.  
 126 feet north from Somerville avenue.
- Crescent street, 125 feet south from Pearl street.
- Crocker street, 4 feet south from Highland avenue.  
 8 feet north from Crown street.
- Cross street, 32 feet north from Cross-street place.  
 6 feet north from Pearl street.  
 62 feet north from Flint street.  
 16 feet north from Gilman street.  
 13 feet south from Auburn avenue.  
 39 feet north from Alston street.
- Curtis avenue, 206 feet west from Curtis street.
- Curtis street, 6 feet north from Broadway.  
 3 feet south from Electric avenue.  
 137 feet north from Ware street.  
 3 feet south from Raymond avenue.  
 34 feet south from Professors row.  
 225 feet north from Professors row.
- Cutter avenue, 11 feet south from Highland avenue.
- Cutter square, 95 feet west from Cutter avenue.
- Cutter street, 95 feet south from Broadway.  
 444 feet south from Broadway.
- Cypress street, 114 feet west from Central street.
- Dana street, 18 feet north from Pearl street.

- Dane avenue, 162 feet west from Leland street.  
169 feet east from Dane street.
- Dane street, 9 feet north from Tyler street.  
260 feet south from Skehan street.  
55 feet north from Skehan street.
- Dartmouth street, 184 feet south from Broadway.  
200 feet north from Evergreen avenue.  
53 feet south from Evergreen avenue.  
171 feet north from Medford street.
- Davis square, 45 feet east from Day street.
- Day street, 10 feet south from Davis square.  
Opposite Herbert street.  
195 feet south from Herbert street.  
4 feet north from Orchard street.
- Delaware street, 246 feet east from Aldrich street.  
8 feet south from Pearl street.
- Dell street, 255 feet west from Glen street.
- Derby street, 400 feet east from Temple street.
- Dickinson street, 20 feet east from Beacon street.  
7 feet north from Leon street.
- Dickson street, 119 feet south from Fairmount avenue.
- Dover street, 22 feet south from Davis square.  
203 feet south from Davis square.  
312 feet north from Orchard street.  
3 feet north from Orchard street.
- Durham street, opposite Skehan street.  
5 feet west from Hanson street.
- Earle street, 4 feet east from Ward street.
- Eastman road, 279 feet south from Highland avenue.
- Edmands street, 15 feet south from Broadway.
- Electric avenue, 160 feet west from Mason street.
- Eliot street, 3 feet east from Park street
- Ellsworth street, 7 feet west from Rush street.
- Elm street, 59 feet west from Craigie street.  
17 feet west from Porter street.  
28 feet east from Linden avenue.  
11 feet east from Mossland street.  
9 feet west from Cedar street.  
153 feet east from Cherry street.  
110 feet west from Cherry street.  
14 feet east from Burnside avenue.  
104 feet east from Willow avenue.  
20 feet east from St. James avenue.  
9 feet west from Elston street.  
90 feet west from Windom street.  
30 feet west from Russell street.  
11 feet west from Grove street.  
82 feet west from Chester street.
- Elmwood street, 9 feet south from Holland street.  
300 feet east from Harrison street.  
85 feet west from Harrison street.
- Emerson street, 13 feet north from Newton street.
- Endicott avenue, 422 feet south from Broadway.
- Everett avenue, 5 feet west from Cross street.  
9 feet east from Dana street.  
449 feet west from Cross street.
- Everett street, 149 feet west from Newton street.  
15 feet east from Webster avenue.
- Evergreen avenue, 8 feet east from School street.  
114 feet east from Sycamore street,

- Fairlee street, 134 feet west from Cherry street.  
 Fairmount avenue, 280 feet west from Curtis street.  
     Opposite Watson street.  
 Farragut avenue, 258 feet south from Broadway.  
     537 feet south from Broadway.  
 Fellsway East, 68 feet north from Broadway.  
 Fellsway West, 11 feet north from Broadway.  
     437 feet south from Mystic avenue.  
 Fenwick street, 40 feet north from Broadway.  
 Fisk avenue, 120 feet east from Hinckley street.  
 Fitchburg street, 395 feet east from Linwood street.  
 Flint street, 18 feet east from Flint avenue.  
     59 feet east from Cross street.  
     30 feet west from Franklin street.  
 Florence street, 206 feet south from Perkins street.  
     7 feet south from Pearl street.  
     453 feet north from Washington street.  
 Forster street, opposite Tennyson street.  
 Fosket street, 6 feet west from Bay State avenue.  
 Fountain avenue, 280 feet west from Glen street.  
 Francesca avenue, 305 feet east from College avenue.  
     7 feet west from Liberty avenue.  
 Franklin street, 14 feet north from Arlington street.  
     55 feet north from Perkins street.  
     76 feet south from Webster street.  
     156 feet south from Pearl street.  
     80 feet south from Oliver street.  
     87 feet south from Palmer avenue.  
     29 feet north from Washington street.  
 Fremont street, 82 feet north from Main street.  
     343 feet north from Main street.  
     Opposite Meacham street.  
     287 feet north from Meacham street.  
     25 feet north from East Albion street.  
 Garden court, 357 feet south from Somerville avenue.  
 Garfield avenue, 7 feet north from Broadway.  
     24 feet south from Mystic avenue.  
 Garrison avenue, 235 feet south from Broadway.  
 Gibbens street, 202 feet west from Central street.  
     129 feet west from Benton road.  
 Gilman square, opposite Marshall street.  
 Gilman street, 103 feet east from Walnut street.  
     143 feet east from Jasper street.  
     8 feet west from Aldrich street.  
     176 feet east from Aldrich street.  
     295 feet west from Cross street.  
 Glass-house court, 360 feet west from Water street.  
 Glen street, 147 feet south from Broadway.  
     8 feet north from Brook street.  
     6 feet north from Webster street.  
     1 foot north from Flint street.  
     11 feet north from Fountain avenue.  
 Glendale avenue, 80 feet west from Cameron avenue.  
     8 feet east from Yorktown street.  
 Glenwood road, 224 feet south from Broadway.  
     16 feet north from Vernon street.  
     320 feet north from Vernon street.  
     467 feet north from Vernon street.  
 Gorham street, 310 feet south from Holland street.  
     67 feet north from Howard street.

- Grand View avenue, 286 feet east from Vinal avenue.  
 Granite street, 178 feet north from Somerville avenue.  
 Grant street, 99 feet south from Mystic avenue.  
     2 feet north from Derby street.  
 Greene street, 295 feet south from Summer street.  
 Greenville street, 148 feet north from Boston street.  
     33 feet north from Munroe street.  
 Grove street, 163 feet south from Highland avenue.  
 Hall avenue, 310 feet east from College avenue.  
     306 feet west from Liberty avenue.  
     9 feet west from Liberty avenue.  
 Hall street, 269 feet west from Cedar street.  
 Hamlet street, 321 feet south from Highland avenue.  
 Hammond street, 30 feet west from Dickinson street.  
 Hancock street, 258 feet south from Summer street.  
 Hanson street, 12 feet south from Village street.  
     9 feet south from Nevada avenue.  
     6 feet south from Skehan street.  
 Harold street, 42 feet north from Dimick street.  
 Harrison street, 77 feet east from Kent street.  
 Harrison street (Ward 7), 4 feet east from Elmwood street.  
 Harvard street, 13 feet north from Atherton street.  
     23 feet north from Harvard place.  
 Hathorn street, 145 feet south from Broadway.  
 Hawkins street, 50 feet north from Lake street.  
 Hawthorne street, 8 feet east from Cutter avenue.  
     209 feet east from West street.  
 Heath street, 3 feet west from Temple street.  
     308 feet west from Langmaid avenue.  
     100 feet west from Bond street.  
     4 feet east from Fenwick street.  
     5 feet east from Moreland street.  
 Henderson street, 107 feet north from Wilton street.  
 Herbert street, 163 feet west from Chester street.  
 Highland avenue, 28 feet west from Hamlet street.  
     5 feet east from Walnut street.  
     262 feet west from Walnut street.  
     80 feet east from Vinal avenue.  
     41 feet west from Putnam street.  
     75 feet west from Prescott street.  
     114 feet west from School street.  
     410 feet west from School street.  
     112 feet west from Trull lane.  
     171 feet east from Central street.  
     214 feet east from Spring Hill terrace.  
     23 feet west from Spring Hill terrace.  
     20 feet west from Belmont street.  
     4 feet east from Tower street.  
     2 feet east from Porter street.  
     212 feet east from Cedar street.  
     63 feet east from Cherry street.  
     35 feet east from Hancock street.  
     4 feet west from Hancock street.  
     44 feet east from Willow avenue.  
     3 feet west from Willow avenue.  
     59 feet east from West street.  
     36 feet west from West street.  
     36 feet east from Grove street.  
     6 feet west from Grove street.  
     218 feet west from Grove street.  
     64 feet east from Davis square.



- Highland road, 264 feet north from Morrison avenue.  
 83 feet south from Frederick avenue.  
 175 feet north from Frederick avenue.  
 221 feet south from Boston avenue.
- Hinckley street, 12 feet south from Richardson street.  
 106 feet south from Broadway.
- Holland street, 39 feet north from Dover street.  
 193 feet south from Winter street.  
 136 feet south from Buena Vista road.  
 5 feet south from Jay street.  
 3 feet south from Paulina street.  
 94 feet south from Claremon street.
- Holyoke road (E.), 167 feet south from Elm street.  
 Holyoke road (W.), 185 feet south from Elm street.
- Homer square, 200 feet west from Bonner avenue.
- Houghton street, 82 feet west from Prospect street.  
 3 feet west from Bolton street.  
 10 feet west from Oak street.
- Howard street, 36 feet west from Thorndike street.
- Howe street, 162 feet east from School street.
- Hudson street, 12 feet east from Waldo street.  
 Opposite Benton road:  
 294 feet east from Lowell street.  
 10 feet west from Lowell street.  
 362 feet west from Lowell street.  
 675 feet west from Lowell street.  
 364 feet east from Cedar street.  
 24 feet east from Cedar street.
- Ibbetson street, 256 feet north from Somerville avenue.  
 6 feet south from Kimball street.
- Irving street, 6 feet south from Broadway.  
 285 feet south from Broadway.  
 542 feet north from Holland street.  
 190 feet north from Holland street.
- James street, 100 feet north from Pearl street.
- Jaques street, 10 feet west from Fellsway West.  
 8 feet west from Grant street.  
 360 feet east from Temple street.  
 185 feet west from Temple street.  
 410 feet east from Bond street.
- Jasper street, 5 feet south from Virginia street.
- Jay street, 82 feet north from Howard street.
- Joseph street, 100 feet west from Adrian street.
- Josephine avenue, 397 feet north from Morrison avenue.  
 90 feet south from Frederick avenue.  
 129 feet north from Frederick avenue.  
 425 feet north from Frederick avenue.  
 213 feet south from Broadway.
- Joy street, 34 feet south from Washington street.  
 502 feet south from Washington street.  
 271 feet north from Poplar street.
- Kenneson road, 12 feet south from Broadway.
- Kensington avenue, 6 feet north from Broadway.  
 316 feet north from Broadway.
- Kent court, 205 feet west from Kent street.
- Kent street, 38 feet south from Somerville avenue.  
 7 feet north from Kent court.
- Kidder avenue, 346 feet east from College avenue.
- Kilby street, 174 feet south from Somerville avenue.
- Kingman road, 282 feet south from Washington street.

- Kingston street, 95 feet west from Thorndike street.  
 Knowlton street, opposite Morton street.  
 Lake street, 220 feet west from Hawkins street.  
     4 feet east from Carlton street.  
 Langmaid avenue, 2 feet north from Broadway.  
 Laurel street, 50 feet north from Greene street.  
     8 feet north from Park place.  
 Leland street, 14 feet south from Dane avenue.  
 Lesley avenue, 57 feet north from Highland avenue.  
 Lexington avenue, 244 feet west from Cedar street.  
     200 feet east from Hancock street.  
     3 feet west from Hancock street.  
     4 feet east from Henry avenue.  
 Liberty avenue, 3 feet north from Kidder avenue.  
     207 feet south from Mallet street.  
     12 feet north from Mallet street.  
     13 feet south from Broadway.  
 Lincoln avenue, 206 feet west from Mt. Vernon street.  
 Lincoln parkway, 150 feet west from Joseph street.  
     290 feet east from Wyatt street.  
 Lincoln street, 38 feet south from Broadway.  
     174 feet north from Perkins street.  
 Linden avenue, 118 feet south from Gilson terrace.  
     255 feet south from Olive avenue.  
     30 feet north from Olive avenue.  
 Linden street, 31 feet north from Charlestown street.  
     237 feet south from Somerville avenue.  
 Line street, 100 feet north from Smith avenue.  
     272 feet north from Cooney street.  
     100 feet south from Cooney street.  
     400 feet south from Cooney street.  
 Linwood street, 385 feet south from Washington street.  
     12 feet north from Linwood terrace.  
     48 feet south from Lamson court.  
     125 feet north from London street.  
     52 feet south from London street.  
     2 feet south from Linwood place.  
 London street, 383 feet east from Linwood street.  
 Loring street, 276 feet north from Somerville avenue.  
 Lovell street, 41 feet south from Electric avenue.  
 Lowden avenue, 85 feet south from Broadway.  
     8 feet south from Mallet street.  
     178 feet north from Kidder avenue.  
     27 feet south from Kidder avenue.  
 Lowell street, 1 foot north from Fisk avenue.  
     50 feet north from Richardson street.  
     183 feet south from Richardson street.  
     124 feet south from Wilton street.  
     Opposite Vernon street.  
     8 feet north from Albion street.  
     163 feet south from Highland avenue.  
     53 feet north from Crown street.  
     351 feet south from Summer street.  
     16 feet north from Kimball street.  
 Madison street, 103 feet west from School street.  
     467 feet west from School street.  
 Main street, junction with Broadway.  
     112 feet west from Mt. Vernon avenue.  
     5 feet west from Moreland street.  
 Malloy court, 16 feet south from Somerville avenue.

- Malvern avenue, 146 feet west from Cameron avenue.  
7 feet east from Yorktown street.
- Mansfield street, 190 feet north from Somerville avenue.  
189 feet south from Washington street.
- Maple avenue, 294 feet east from School street.
- Maple street, 7 feet south from Jackson street.  
87 feet north from Poplar street.
- Marion street, 31 feet south from Adrian street.  
74 feet north from Wyatt street.  
177 feet south from Wyatt street.  
40 feet east from Dimick street.
- Marshall street, 80 feet south from Stickney avenue.  
30 feet north from Stickney avenue.  
Opposite Howe street.  
5 feet north from Evergreen avenue.  
104 feet south from Mortimer place.  
109 feet north from Oakland avenue.
- Meacham road, 4 feet north from Orchard street.  
97 feet north from Kingston street.  
326 feet east from Lester terrace.
- Meacham street, 14 feet west from Moreland street.
- Mead street, 48 feet east from Clarendon street.
- Medford street, 50 feet north from Hennessey court.  
56 feet north from Lowell street.  
14 feet north from Glenwood road.  
16 feet south from Bartlett street.  
6 feet north from Central street.  
19 feet south from Sycamore street.  
15 feet south from Lee street.  
46 feet south from Thurston street.  
5 feet north from School street.  
171 feet north from Marshall street.  
266 feet north from Walnut street.  
3 feet east from Walnut street.  
291 feet south from Walnut street.  
8 feet south from Greenville street.  
13 feet north from Prospect Hill avenue.  
240 feet south from Prospect Hill avenue.  
Opposite Chester avenue.  
216 feet south from Washington street.  
69 feet north from Maple street.  
21 feet north from Somerville avenue.  
382 feet south from Somerville avenue.  
220 feet north from Ward street.  
55 feet north from Ward street.  
91 feet south from Ward street.  
46 feet south from South street.  
17 feet south from Warren street.  
220 feet south from Warren street.
- Melrose street, 610 feet north from Mystic avenue.
- Merriam street, 160 feet south from Washington street.  
25 feet north from Charlestown street.
- Miller street, 300 feet west from Sacramento street.
- Miner street, 137 feet north from Vernon street.
- Mondamin court, 272 feet west from Ivaloo street.
- Monmouth street, 7 feet west from Central street.  
156 feet east from Harvard street.
- Montrose street, 10 feet east from Sycamore street.  
287 feet east from Sycamore street.  
259 feet west from School street.

- Moore street, 22 feet south from Holland street.  
335 feet south from Holland street.  
21 feet north from Mead street.
- Moreland street, 345 feet north from Meacham street.  
3 feet south from East Albion street.
- Morgan street, 125 feet west from Park street.
- Morrison avenue, 124 feet west from Cedar street.  
44 feet east from Pearson avenue.  
124 feet east from Rogers avenue.  
13 feet west from Newberne street.  
183 feet west from Clifton street.  
33 feet west from Grove street.
- Mossland street, 114 feet north from Somerville avenue.
- Mt. Pleasant street, 140 feet south from Broadway.  
135 feet north from Perkins street.
- Mt. Vernon avenue, 156 feet north from Heath street.  
38 feet south from Heath street.
- Mt. Vernon street, 246 feet north from Washington street.  
8 feet north from Pearl street.  
7 feet south from Perkins street.  
11 feet south from Lincoln avenue.  
5 feet south from Broadway.
- Munroe street, 203 feet east from Walnut street.  
6 feet west from Bigelow street.  
289 feet west from Boston street.
- Murdock street, 204 feet east from Cedar street.  
610 feet east from Cedar street.
- Museum street, 174 feet west from Beacon street.
- Myrtle street, 218 feet north from Washington street.  
460 feet north from Washington street.  
74 feet south from Pearl street.  
219 feet north from Pearl street.
- Mystic avenue, 90 feet east from Union street.  
3 feet west from Union street.  
438 feet east from Austin street.  
115 feet east from Austin street.  
11 feet west from Fellsway West.  
60 feet west from Temple street.  
25 feet east from Melrose street.  
228 feet west from Melrose street.  
800 feet east from Moreland street.  
544 feet east from Moreland street.  
241 feet east from Moreland street.  
6 feet west from Moreland street.  
125 feet west from Fremont street.
- Mystic street, 148 feet north from Benedict street.
- Nashua street, 190 feet south from Wilton street.
- Newberne street, 62 feet south from Morrison avenue
- Newbury street, 15 feet south from Holland street.  
260 feet south from Holland street.  
558 feet south from Holland street.  
777 feet south from Holland street.  
200 feet north from Cambridge line.
- New Cross street, 114 feet north from Broadway.
- Newton street, 9 feet west from Joseph street.
- Norfolk street, 27 feet south from Webster avenue.  
227 feet south from Webster avenue.
- North street, 18 feet north from Broadway.  
13 feet north from south line of Russell road.  
453 feet north from Raymond avenue.  
190 feet north from city bound No. 17.



- North Union street, 287 feet north from Mystic avenue.  
 Oak street, 8 feet west from Prospect street.  
     315 feet north from Houghton street.  
 Oakland avenue, 109 feet west from Marshall street.  
 Oliver street, 191 feet east from Cross street.  
     15 feet east from Glen street.  
     7 feet west from Franklin street.  
 Orchard street, 8 feet west from Russell street.  
     West corner Milton street.  
     9 feet east from Chester street. .  
 Ossipee road, 177 feet east from Curtis street.  
     139 feet west from Packard avenue.  
     246 feet east from Packard avenue.  
     44 feet west from Mason street.  
 Otis street, 12 feet west from Cross street.  
     440 feet west from Cross street.  
     9 feet east from Dana street.  
     6 feet east from Wigglesworth street.  
 Oxford street, 280 feet west from School street.  
     46 feet east from Trull lane.  
     237 feet west from Hersey street.  
 Packard avenue, 164 feet south from Electric avenue.  
     34 feet north from Electric avenue.  
     35 feet south from Powder House boulevard.  
 Park avenue, 83 feet west from College avenue.  
     10 feet west from Chandler street.  
 Park street, opposite Allen court.  
     187 feet north from Beacon street.  
     69 feet south from Somerville avenue.  
 Partridge avenue, 5 feet south from Broadway.  
     26 feet north from Medford street.  
     117 feet south from Medford street.  
     421 feet south from Medford street.  
     276 feet north from Vernon street.  
 Paulina street, 184 feet north from Holland street.  
     288 feet south from Broadway.  
     5 feet south from Broadway.  
 Pearl street, 50 feet west from Crescent street.  
     7 feet north from Pinckney street.  
     29 feet east from Franklin street.  
     Opposite Hillside avenue.  
     15 feet west from Glen street.  
     90 feet east from Cross street.  
     3 feet east from Pearl terrace.  
     6 feet west from Walnut street.  
     72 feet east from Bradley street.  
     110 feet east from Marshall street.  
 Pearson avenue, 309 feet north from Morrison avenue.  
     44 feet south from Frederick avenue.  
     308 feet north from Frederick avenue.  
 Pearson road, 127 feet north from Broadway.  
     81 feet north from Warner street.  
     344 feet north from Warner street.  
     436 feet south from Dearborn road.  
     131 feet south from Dearborn road.  
 Pembroke street, 14 feet east from Tennyson street.  
 Perkins street, opposite Myrtle street.  
     78 feet east from Florence street.  
     24 feet east from Pinckney street.  
     56 feet east from Perkins place.  
     21 feet east from Mt. Pleasant street.

- Perry street, 324 feet south from Washington street.  
Pinckney street, 11 feet north from Washington street.  
    330 feet south from Pearl street.  
    71 feet south from Pearl street.  
    203 feet north from Pearl street.  
Pitman street, 180 feet west from Beech street.  
Pleasant avenue, 256 feet west from Walnut street.  
Poplar street, 21 feet west from Joy street.  
    22 feet east from Linwood street.  
Porter street, 1 foot north from Mountain avenue.  
    282 feet south from Summer street.  
    24 feet north from Williams court.  
    3 feet north from Parker place.  
Powder House boulevard, 133 feet northwest from Broadway.  
    560 feet northwest from Broadway.  
    319 feet east from Packard avenue.  
    191 feet west from Packard avenue.  
    172 feet east from Curtis street.  
    197 feet west from Curtis street.  
    528 feet west from Curtis street.  
Prescott street, 330 feet south from Highland avenue.  
    586 feet south from Highland avenue.  
    257 feet north from Summer street.  
Preston road, 269 feet west from School street.  
    166 feet south from Summer street.  
Princeton street, 175 feet west from Lowell street.  
Prichard avenue, 255 feet north from Morrison avenue.  
    46 feet north from Frederick avenue.  
    168 feet south from Boston avenue.  
Professors row, 39 feet east from College avenue.  
    158 feet west from Boston avenue.  
    126 feet west from College avenue.  
    291 feet west from College avenue.  
    548 feet east from Packard avenue.  
    156 feet east from Packard avenue.  
    3 feet west from Packard avenue.  
    296 feet west from Packard avenue.  
    113 feet east from Curtis street.  
Prospect street, 135 feet north from Bennett street.  
    7 feet west from Webster avenue.  
    185 feet south from Oak street.  
    403 feet south from Oak street.  
    63 feet north from Houghton street.  
Prospect Hill avenue, 10 feet north from Munroe street.  
Putnam street, 116 feet south from Highland avenue.  
    420 feet south from Highland avenue.  
    612 feet north from Summer street.  
    308 feet north from Summer street.  
    46 feet north from Summer street.  
Quincy street, 91 feet north from Somerville avenue.  
    381 feet north from Somerville avenue.  
    26 feet south from Summer street.  
Raymond avenue, 728 feet west from Curtis street.  
Richardson street, 11 feet west from Nashua street.  
Richdale avenue, opposite Thurston street.  
Robinson street, 325 feet west from Central street.  
Rogers avenue, 369 feet south from Broadway.  
    257 feet north from Frederick avenue.  
    88 feet south from Frederick avenue.  
    255 feet north from Morrison avenue.

- Rossmore street, 244 feet south from Washington street.  
 Rush street, 84 feet south from Pearl street.  
     11 feet north from Pearl street.  
     128 feet north from Brook street.  
 Russell road, 11 feet north from Broadway.  
     312 feet north from Broadway.  
 Sacramento street, 5 feet south from Miller street.  
     128 feet south from Beacon street.  
 Sanborn avenue, 55 feet east from Walnut street.  
 Sargent avenue, 474 feet south from Broadway.  
     361 feet west from Walnut street.  
     95 feet west from Walnut street.  
 Sawyer avenue, 25 feet west from Packard avenue.  
 School street, 31 feet south from Oakland avenue.  
     100 feet south from Maple avenue.  
     6 feet south from Montrose street.  
     128 feet north from Highland avenue.  
     88 feet north from Oxford street.  
     15 feet north from Avon street.  
     100 feet south from Summer street.  
     93 feet south from Preston road.  
     61 feet north from Knapp street.  
 Sewall street, 311 feet west from Grant street.  
 Shawmut street, 9 feet west from Washington street.  
     153 feet west from Shawmut place.  
 Simpson avenue, 272 feet south from Broadway.  
     142 feet north from Holland street.  
 Skehan street, 110 feet east from Hanson street.  
 Skilton avenue, on east entrance, 173 feet south from south line of  
 Pearl street.  
 Somerville avenue, 96 feet west from Acadia park.  
     188 feet west from Mossland street.  
     308 feet east from Mossland street.  
     600 feet east from Mossland street.  
     116 feet west from Elm street.  
     9 feet east from Ibbetson street.  
     77 feet east from Belmont street.  
     14 feet west from Garden court.  
     133 feet west from Kent street.  
     13 feet west from Beech street.  
     11 feet east from Central street.  
     2 feet west from Abdell street.  
     15 feet west from Laurel street.  
     86 feet west from Granite street.  
     100 feet east from Granite street.  
     76 feet east from Hawkins street.  
     185 feet west from Hawkins street.  
     88 feet west from Quincy street.  
     105 feet east from Carlton street.  
     90 feet west from Prospect street.  
     28 feet west from Linden street.  
     9 feet east from Mystic street.  
     94 feet west from Mansfield street.  
     126 feet east from Medford street.  
     83 feet east from Poplar street.  
     145 feet west from Congress place.  
     13 feet east from Congress place on north side.  
     313 feet east from Congress place on south side.  
     882 feet west from East Cambridge line on south side, low  
     level, under steps.

- 803 feet west from East Cambridge line on south side, high level, near bridge.
- 670 feet west from East Cambridge line on south side, high level.
- 650 feet west from East Cambridge line on north side, low level.
- 312 feet west from East Cambridge line.
- 215 feet west from East Cambridge line.
- 100 feet west from Cambridge line.
- South street, 97 feet west from Bedford street.
  - 2 feet east from Harding street.
  - 25 feet west from Hunting street.
  - 80 feet west from Willow place.
- Spencer avenue, 290 feet west from Cedar street.
  - 63 feet east from Hancock street.
- Spring street, 10 feet south from Pitman street.
  - 184 feet north from Atherton street.
- Spring Hill terrace, 333 feet south from Highland avenue.
- Springfield street, 140 feet south from Concord avenue.
  - 21 feet south from Dickinson street.
  - 177 feet south from Houghton street.
- Stickney avenue, 212 feet west from Marshall street.
- Stone avenue, 120 feet north from Union square.
  - 275 feet south from Columbus avenue.
- Summer street, 148 feet east from Cutter avenue.
  - Opposite Elston street.
  - West corner Hancock street.
  - 34 feet east from Banks street.
  - 6 feet east from Cherry street.
  - 6 feet east from Cedar street.
  - 24 feet east from Linden avenue.
  - Opposite Craigie street.
  - 35 feet east from Porter street.
  - 4 feet east from Lowell street.
  - 3 feet east from Belmont street.
  - 1 foot west from Spring street.
  - 53 feet west from Harvard street.
  - 215 feet east from Harvard street.
  - 59 feet east from Central street.
  - 19 feet west from Laurel street.
  - 52 feet west from Preston road.
  - 191 feet west from School street.
  - 8 feet east from School street.
- Summit avenue, 231 feet east from Vinal avenue.
- Sunnyside avenue, 99 feet west from Wigglesworth street.
- Sycamore street, 18 feet south from Broadway.
  - 62 feet south from Browning road.
  - 1 foot south from Forster street.
  - 200 feet north from Medford street.
  - 174 feet south from Medford street.
- Sydney street, 418 feet east from Temple street.
- Talbot avenue, 488 feet east from Packard avenue.
- Taylor street, 14 feet south from Mystic avenue.
- Teele avenue, 174 feet west from Packard avenue.
  - 201 feet east from Curtis street.
- Temple street, 4 feet north from Broadway.
  - 123 feet south from Sewall street.
  - 11 feet north from Jaques street.
  - 6 feet south from Derby street.
  - 5 feet south from Sydney street.
- Tenney court, 306 feet north from Mystic avenue.



- Tennyson street, 4 feet south from Medford street.  
117 feet north from Pembroke street.
- Thorndike street, 4 feet south from Holland street.  
82 feet north from Kingston street.
- Thorpe street, 269 feet south from Highland avenue.
- Thurston street, 187 feet north from Medford street.  
160 feet south from Evergreen avenue.  
6 feet north from Evergreen avenue.  
348 feet north from Evergreen avenue.
- Tower street, 18 feet north from Crown street.
- Tremont street, 9 feet south from Webster avenue.  
454 feet south from Webster avenue.
- Trull street, 3 feet south from Medford street.  
276 feet south from Medford street.  
522 feet north from Vernon street.  
270 feet north from Vernon street.
- Tufts street, 51 feet north from Washington street.  
150 feet south from Glen street.  
43 feet north from Glen street.  
53 feet south from Dell street.  
45 feet south from Cross street.
- Tyler street, 31 feet east from Vine street.
- Union square, 267 feet east from Webster avenue.  
15 feet east from Stone avenue.  
3 feet west from Bow street.  
Centre of square.
- Union street, 3 feet north from Broadway.  
123 feet south from Mystic avenue.
- Veazie street, 1 foot west from James street.
- Vernon street, 72 feet west from Partridge avenue.  
1 foot east from Bartlett street.  
2 feet east from Miner street.  
48 feet west from Central street.
- Victoria street, 255 feet south from Broadway.  
506 feet south from Broadway.  
151 feet north from Woodstock street.
- Villa avenue, 121 feet south from Winslow avenue.
- Vinal avenue, 6 feet south from Highland avenue.  
10 feet north from Pleasant avenue.  
129 feet north from Aldersey street.  
206 feet north from Summer street.  
15 feet north from Summer street.
- Vine street, 15 feet north from Beacon street.  
Opposite Eliot street.  
121 feet south from Tyler street.  
32 feet south from Somerville avenue.
- Virginia street, 45 feet west from Aldrich street.
- Waldo street, 6 feet north from Highland avenue.
- Wallace street, 37 feet south from Broadway.  
395 feet south from Broadway.  
483 feet north from Park avenue.  
166 feet north from Park avenue.  
10 feet north from Holland street.
- Walnut road, 268 feet west from Walnut street.
- Walnut street, 88 feet south from Wellington avenue.  
Opposite Veazie street.  
87 feet north from Gilman street.  
31 feet north from Pleasant avenue.  
12 feet south from Boston street.

- Walter street, 28 feet west from Walnut street.  
50 feet west from Bradley street.
- Ward street, 104 feet west from Medford street.  
7 feet east from Emery street.
- Ware street, 258 feet west from Curtis street.  
638 feet west from Curtis street.
- Warner street, 60 feet north from Broadway.
- Warren avenue, 5 feet north from Sanborn avenue.  
48 feet north from Bow street.  
7 feet south from Columbus avenue.
- Warwick place, 142 feet north from Warwick street.
- Warwick street, 426 feet east from Cedar street.
- Washington street, 69 feet west from Crescent street.  
3 feet west from Waverley street.  
West corner Mt. Vernon street.  
3 feet west from Murray street.  
6 feet west from Florence street.  
15 feet west from Myrtle street.  
2 feet east from Bartlett street.  
18 feet east from Franklin avenue.  
160 feet east from Franklin street.  
58 feet west from Franklin street.  
50 feet east from Shawmut street.  
37 feet east from Rossmore street.  
78 feet east from Boston street.  
28 feet west from Mystic street.  
6 feet west from Clark place.  
156 feet west from Bonner avenue.  
6 feet east from Kingman road.  
243 feet east from Parker street.  
50 feet east from Bowdoin street.  
15 feet east from Perry street.  
9 feet east from Leland street.  
112 feet east from Dane street.  
175 feet west from Dane street.  
45 feet east from Beacon street.  
62 feet east from Line street.
- Water street, 91 feet north from South street.  
254 feet north from South street.  
354 feet north from South street.
- Waterhouse street, 24 feet south from Broadway.  
326 feet south from Broadway.  
630 feet south from Broadway.
- Waverley street, 171 feet south from Washington street.
- Webster avenue, 37 feet south from Washington street.  
190 feet south from Everett street.  
167 feet north from Prospect street.  
14 feet south from Prospect street.  
78 feet north from Tremont street.  
3 feet north from Beach avenue.  
1 foot south from Columbia court.
- Webster street, 25 feet east from Cross street.  
9 feet east from Rush street.  
Opposite Cutter street.
- Wellington avenue, 15 feet west from Montgomery avenue
- Wesley street, 200 feet north from Pearl street.
- Wesley park, 16 feet north from Bow street.  
335 feet north from Bow street.
- West street, 92 feet south from Highland avenue.  
140 feet north from Highland avenue.

- West Adams street, 200 feet north from Conwell avenue.  
480 feet north from Conwell avenue.
- Westminster street, 156 feet south from Electric avenue.
- Westwood road, 90 feet west from Central street.  
58 feet east from Benton road.
- Wheatland street, 129 feet north from Broadway.  
9 feet south from Jaques street.  
73 feet north from Derby street.  
78 feet south from Mystic avenue.
- Whipple street, 101 feet north from Highland avenue.
- Whitfield road, 85 feet west from Packard avenue.
- Wigglesworth street, 14 feet north from Pearl street.
- William street, 8 feet east from Chandler street.
- Willoughby street, 146 feet west from Sycamore street.
- Willow avenue, 14 feet north from Summer street.  
3 feet north from Lexington avenue.  
46 feet south from Morrison avenue.  
42 feet south from Fosket street.  
85 feet south from Frederick avenue.  
171 feet north from Frederick avenue.  
Opposite Mallet street.
- Wilton street, 6 feet east from Nashua street.  
10 feet east from Hinckley street.
- Windom street, 7 feet south from Summer street.
- Windsor road, 86 feet east from Willow avenue.  
45 feet west from Hancock street.
- Winslow avenue, 145 feet east from College avenue.  
5 feet west from Grove street.  
224 feet east from Grove street.  
8 feet west from Clifton street.
- Winter street, 130 feet east from Holland street.
- Winter Hill circle, 178 feet north from Broadway.
- Woodbine street, 222 feet west from Centre street.
- Wyatt street, 8 feet south from Taunton street.

**List of Private Hydrants Supplied from the City  
of Somerville Mains.**

John P. Squire & Co. . . . .	12
North Packing and Provision Co. . . . .	10
New England Dressed Meat and Wool Co. . . . .	5
Boston & Maine Railroad . . . . .	14
Union Glass Works . . . . .	1
Fresh Pond Ice Co. . . . .	1
American Tube Works . . . . .	2
Middlesex Bleachery . . . . .	3
Boston Elevated Railway Co. . . . .	1
Metropolitan Sewerage Pumping Station . . . . .	1
Middlesex Paper Co. . . . .	2
Derby Desk Co. . . . .	1
M. W. Carr & Co. . . . .	2
City of Somerville, Water Department . . . . .	1
City of Somerville, Highway Department . . . . .	2

**Locations of Waterposts.**

- 1—Albion street, 83 feet west from Centre street.
- 2—Appleton street, 49 feet west from Willow avenue.
- 3—Bartlett street, 26 feet south from Broadway.
- 4—Beacon street, 33 feet north from Concord avenue.

- 5—Beacon street, 135 feet east from Washington street.
- 6—Beacon street, 33 feet west from Vine street.
- 7—Beacon street, 94 feet east from Sacramento street.
- 8—Bolton street, opposite Baxter school.
- 9—Bonair street, 19 feet west from Wigglesworth street.
- 10—Bond street, 14 feet north from Broadway.
- 11—Boston avenue, opposite Prichard avenue.
- 12—Boston street, 107 feet west from Greenville street.
- 13—Broadway, 75 feet west from Fellsway East.
- 14—Broadway, 6 feet west from City road.
- 15—Broadway, 6 feet west from Irving street.
- 16—Broadway, 120 feet west from Clarendon avenue.
- 17—Broadway, 20 feet west from North street.
- 18—Cameron avenue, 6 feet north from Glendale avenue.
- 19—Cedar street, 96 feet south from Morrison avenue.
- 20—Central street, 89 feet north from Highland avenue.
- 21—Cherry street, 161 feet south from Fairlee street.
- 22—Cleveland street, 169 feet east from Harvard street.
- 23—Columbus avenue, 54 feet east from Walnut street.
- 24—Concord avenue, opposite Knapp school.
- 25—Curtis street, 50 feet east from Professors row.
- 26—Dana street, 30 feet east from Pearl street.
- 27—Elm street, 25 feet west from Burnside avenue.
- 28—Flint street, 47 feet east from Cross street.
- 29—Francesca avenue, 50 feet east from College avenue.
- 30—Franklin street, 127 feet south from Broadway.
- 31—Frederick avenue, 66 feet east from Willow avenue.
- 32—Gilman street, 63 feet east from Walnut street.
- 33—Grove street, 19 feet south from Highland avenue.
- 34—Jaques street, 159 feet west from Grant street.
- 35—Laurel street, 20 feet south from Summer street.
- 36—Liberty avenue, 46 feet south from Broadway.
- 37—Linwood street, 70 feet west from Poplar street.
- 38—Lowell street, opposite Crown street.
- 39—Lowell street, 34 feet north from Highland avenue.
- 40—Lowell street, 102 feet north from Wilton street.
- 41—Meacham road, 39 feet west from Dover street.
- 42—Medford street, 35 feet east from Ward street.
- 43—Medford street, 24 feet north from Highland avenue.
- 44—Medford street, at Gilman square.
- 45—Medford street, 19 feet east from Glenwood road.
- 46—Montrose street, 204 feet west from School street.
- 47—Moreland street, 28 feet north from Meacham street.
- 48—Mt. Vernon street, 71 feet south from Broadway.
- 49—Mystic avenue, 33 feet west from Union street.
- 50—New Cross street, 64 feet north from Broadway.
- 51—Orchard street, 107 feet west from Dover street.
- 52—Otis street, 127 feet west from Cross street.
- 53—Packard avenue, 55 feet southwest from Powder House boulevard.
- 54—Paulina street, 26 feet east from Holland street.
- 55—Pearl street, 28 feet east from Myrtle street.
- 56—Pleasant avenue, 104 feet west from Walnut street.
- 57—Prospect street, 30 feet north from Somerville avenue.
- 58—Putnam street, 96 feet north from Summer street.
- 59—School street, 116 feet south from Broadway.
- 60—School street, 188 feet north from Highland avenue.
- 61—School street, 50 feet north from Berkeley street.
- 62—Shawmut street, 74 feet north from Shawmut place.
- 63—Somerville avenue, 871 feet west from East Cambridge line.



- 64—Somerville avenue, 150 feet west from Congress place.  
 65—Somerville avenue, 89 feet east from Mystic street.  
 66—Somerville avenue, 119 feet west from School street.  
 67—Somerville avenue, 35 feet east from Central street.  
 68—Somerville avenue, 92 feet west from Kent street.  
 69—Somerville avenue, 120 feet west from Oak square.  
 70—Somerville avenue, 42 feet east from Mossland street  
 71—Summer street, 14 feet east from Belmont street.  
 72—Summer street, 32 feet east from Cedar street.  
 73—Summer street, 35 feet east from Cutter avenue.  
 74—Sycamore street, 28 feet west from Medford street.  
 75—Temple street, 31 feet north from Broadway.  
 76—Tremont street, 120 feet south from Webster avenue.  
 77—Tufts street, 114 feet east from Cross street.  
 78—Vernon street, 45 feet west from Central street.  
 79—Washington street, 96 feet west from Myrtle street.  
 80—Washington street, 7 feet west from Boston street.  
 81—Washington street, 34 feet west from Union square.  
 82—Washington street, opposite Leland street.  
 83—Wheatland street, 30 feet south from Mystic avenue.

### Locations of Drinking Fountains.

Broadway, opposite park, near Fellsway East . . . . .	H
Union square, junction Somerville avenue and Washington street . . . . .	H
Union square, in front of Hill building . . . . .	D I
Gilman square . . . . .	D I
Cutter square . . . . .	C
Davis square, in front of Medina building . . . . .	D I

H, horse trough ; D, drinking fountain ; I, ice water ; C, combination trough and drinking fountain.

### Summary of Statistics

FOR THE YEAR ENDING DECEMBER 31, 1911.

In form recommended by the New England Water Works Association.

#### SOMERVILLE WATER WORKS.

SOMERVILLE, MIDDLESEX COUNTY, MASS.

#### GENERAL STATISTICS.

Population by census of 1910, 77,236.  
 Date of construction: commenced in 1868.  
 By whom owned: City of Somerville.  
 Source of supply: Metropolitan water system.  
 Mode of supply: Water is delivered into the city's mains, under both high and low pressures, by the Metropolitan Water Works.

#### STATISTICS OF CONSUMPTION OF WATER.

Estimated total population at date, 79,000.  
 Estimated population on lines of pipe, 79,000.  
 Estimated population supplied, 79,000.  
 Total consumption for the year, 2,153,171,500 gallons.  
 Average daily consumption, 5,899,100 gallons.  
 Gallons per day to each inhabitant, 74.

## STATISTICS RELATING TO DISTRIBUTION SYSTEM.

## MAINS.

Kind of pipe, cast-iron.

Sizes, from 4-inch to 20-inch.

Extended 3,838 feet during year.

Total now in use, 95.83 miles.

Number of leaks per mile, .07.

Number of hydrants added during year (public and private), 20.

Number of hydrants (public and private) now in use, 1,140.

Number of stop gates added during year, 50.

Number of stop gates now in use, 1,519.

Number of blow-offs, 152.

Range of pressure on mains, 35 pounds to 100 pounds.

## SERVICES.

Kind of pipe: Lead: wrought iron—lead-lined; wrought iron—  
cement-lined; cast iron.

Sizes, one-half to six inches.

Extended 7,468 feet.

Total now in use, 80 miles.

Number of service taps added during the year, 235; discontinued, 27.

Number now in use, 12,357.

Number of meters added, 770; discontinued, 54.

Number now in use, 6,533.

Percentage of services metered, 53.

Percentage of receipts from metered water, 59.

Number of motors and elevators added, 0.

Number now in use, 7 (included in number of meters).

FINANCIAL STATISTICS.

RECEIPTS.		EXPENDITURES.	
From Water Rates:—		Water Works Maintenance:—	
<i>A.</i> Fixture rates . . . . .	\$93,412.56	<i>AA.</i> Operation (management and repairs) . . . . .	\$27,203.93
<i>B.</i> Meter rates . . . . .	133,141.68	<i>BB.</i> Special:—	
<i>C.</i> Total from consumers . . . . .	\$226,554.24	Miscellaneous accounts . . . . .	12,472.62
<i>M.</i> From other sources:—		<i>CC.</i> Total maintenance . . . . .	\$39,676.55
Water service assessments . . . . .	4,200.44	<i>DD.</i> Interest on bonds . . . . .	1,980.00
Labor and materials . . . . .	12,503.07	<i>EE.</i> Payment of bonds . . . . .	6,000.00
		Water Works Construction:—	
		<i>GG.</i> Mains . . . . .	\$5,157.92
		<i>HH.</i> Services . . . . .	4,587.75
		<i>JJ.</i> Meters . . . . .	5,194.22
		Waterposts . . . . .	30.45
		<i>KK.</i> Total construction . . . . .	\$14,970.34
		<i>LL.</i> Unclassified expenses:—	
		Metropolitan water assessment . . . . .	115,094.29
		<i>MM.</i> Balance:—	
		Ordinary . . . . .	65,536.57
		Total balance . . . . .	65,536.57
<i>N.</i> Total . . . . .	\$243,257.75	<i>N.</i> Total . . . . .	\$243,257.75

-Disposition of balance: applied to other municipal purposes.

*O.* Cost of works to date . . . . . \$944,558.34

*P.* Bonded debt at date . . . . . 45,000.00

*R.* Average rate of interest, 4 per cent.

# REPORT OF CHIEF ENGINEER OF FIRE DEPARTMENT.

OFFICE OF CHIEF OF FIRE DEPARTMENT, }  
Somerville, Mass., December 31, 1911. }

To His Honor, the Mayor, and the Board of Aldermen:—

Gentlemen,—I have the honor of submitting for your consideration the annual report of the condition and operation of the fire department for the year ending December 31, 1911:—

### Alarms of Fire.

Number of bell alarms . . . . .	253	
Number of still alarms . . . . .	281	
Total alarms . . . . .		534
Number in excess of 1910 . . . . .		73
Value of buildings at risk . . . . .	\$516,650	00
Insurance on buildings . . . . .	346,915	00
Damage to buildings . . . . .	29,386	32
Value of contents . . . . .	207,550	00
Insurance on contents . . . . .	138,700	00
Damage to contents . . . . .	24,123	75
Total value of risks . . . . .	724,200	00
Total insurance . . . . .	485,615	00
Total damage . . . . .	53,510	07

### Bell Alarms and Causes Thereof.

Accidental . . . . .	5	
Automobile in street . . . . .	2	
Bonfires . . . . .	4	
Burning food on stove . . . . .	1	
Boys and matches . . . . .	10	
Broken gas fixture . . . . .	2	
Children playing with matches . . . . .	15	
Clothing hanging near stove . . . . .	5	
Clothing in contact with lamp . . . . .	6	
Curtain set from snap match . . . . .	3	
Curtain in contact with gas jet . . . . .	6	
Careless use of matches . . . . .	4	
Combustion . . . . .	3	
Curtain in contact with gas stove . . . . .	1	
Chimney fires . . . . .	7	
Cellar wall falling . . . . .	1	
Defective fireplace . . . . .	1	
Defective wiring . . . . .	3	
Defective gas jet . . . . .	2	
Defective chimney . . . . .	5	
Drying plastering . . . . .	2	
Electric car . . . . .	2	
Electric wire in tree . . . . .	3	
Carried forward . . . . .		93



Brought forward . . . . .	93
Electric wire in generator building . . . . .	1
Fire in Boston . . . . .	2
Fire in Medford . . . . .	1
Fire in dump . . . . .	12
Fat in oven . . . . .	2
False alarms . . . . .	24
Grass fire . . . . .	6
Heating paint on stove . . . . .	2
Hot ashes in barrel . . . . .	4
Incendiary . . . . .	15
Kerosene oil heater . . . . .	4
Kerosene lamp explosion . . . . .	4
Kerosene lamp in contact with gasolene . . . . .	1
Kerosene lamp upset . . . . .	8
Kettle boiling dry . . . . .	1
Kettle of tar . . . . .	2
Leak in gas meter . . . . .	2
Lighted cigar on window . . . . .	1
Overheated boiler . . . . .	1
Overheated kerosene stove . . . . .	4
Overheated furnace . . . . .	5
Overheated coal stove . . . . .	6
Rats and matches . . . . .	5
Rubbish . . . . .	8
Spark from boiler . . . . .	2
Spark from tobacco pipe . . . . .	8
Stepping on snap match . . . . .	5
Salamander . . . . .	3
Spark from incinerator . . . . .	1
Spark from cigarette . . . . .	4
Spark from locomotive . . . . .	6
Spark caused by friction . . . . .	1
Spark from stove . . . . .	5
Thawing water pipe . . . . .	4

## CHIEF ENGINEER, FIRE DEPARTMENT.

## Service of Companies in Fire Department, Year 1911.

Bell alarms responded to	192	93	95	59	99	124	130	118	147	114	96	45	1,312
Still alarms responded to	30	28	12	54	28	36	21	21	21	5	2	23	281
Miles traveled	428	181½	193	138¾	265	266	214	164½	165¼	133	147½	71	2,367½
Feet of 2½ inch hose used	17,250	10,300	5,150	13,250	7,800	6,950	12,150	13,700	.	.	.	.	86,550
Feet of chemical hose used	.	.	.	3,250	3,900	12,500	16,800	14,750	17,400	.	.	.	75,250
Feet of ladders used	.	20	70	.	.	125	.	18	154	1,340	1,956	1,171	4,854
Chemical extinguishers used	4	19	17	.	10	3	3	18	.	7	2	.	83
Gallons of chemical used	.	.	.	780	700	1,750	2,619	2,610	3,500	.	.	937	12,896
Times on duty at other stations	.	.	.	1	.	.	.	.	1	.	.	.	2
	Engine 1.	Engine 2.	Engine 4.	Engine 6.	Hose 2.	Hose 3.	Hose 5.	Hose 7.	Chemical A.	Ladder 1.	Ladder 2.	Ladder 3.	Totals.

### Fire Stations and Equipment.

There are eight fire stations located and equipped as follows:—

The Central fire station, 261 Medford street:—

- 1 Third size Metropolitan engine, No. 1, drawn by three horses, capacity 600 gallons a minute, put into service in 1903.
- 1 Hose wagon, drawn by two horses, carries 1,000 feet of two-and-one-half-inch hose and two three-gallon chemical extinguishers, rebuilt in 1910; nine permanent men.
- 1 Holloway chemical engine, drawn by two horses, equipped with two fifty-gallon tanks, 300 feet three-fourths-inch chemical hose, and fifteen feet of ladders, been in service since 1894; three permanent men.

Engine No. 2 station, corner of Broadway and Cross street:—

- 1 Third size Silsby engine, drawn by three horses, capacity 600 gallons a minute, rebuilt in 1904.
- 1 Hose wagon, drawn by two horses, carries 900 feet of two-and-one-half-inch hose, two three-gallon extinguishers, and thirty-five feet of ladders; eight permanent men.
- 1 Combination ladder truck and chemical engine, No. 3, drawn by three horses, carries 386 feet of ladders, longest ladder fifty-foot extension, two thirty-five-gallon chemical tanks, and 300 feet three-fourths-inch hose, put into service December 31, 1910; four permanent men, four callmen.

Union square station, Union square:—

- 1 Ladder truck, No. 1, drawn by three horses, carries 415 feet of ladders, longest ladder fifty-foot extension, and two three-gallon extinguishers; four permanent men, seven callmen.
- 1 Combination hose and chemical wagon, No. 3, drawn by two horses, equipped with two thirty-five-gallon chemical tanks, 800 feet of two-and-one-half-inch hose, 250 feet three-fourths-inch chemical hose, and twenty-four feet of ladders, put into service 1908; four permanent men, three callmen.
- 1 Relief hose wagon, rebuilt and painted in 1910.

Engine No. 4 station, corner Highland avenue and Grove street:—

- 1 Second size Silsby engine, No. 4, drawn by three horses, capacity 700 gallons a minute, rebuilt in 1907, repainted in 1911.
- 1 Hose wagon, drawn by two horses, carries 900 feet of two-and-one-half-inch hose, two three-gallon extinguishers, and forty-five feet of ladders; six permanent men, seven callmen.

Hose No. 5 station, 651 Somerville avenue:—

- 1 Combination hose and chemical engine, drawn by three horses, equipped with two forty-five-gallon chemical tanks, 800 feet of two-and-one-half-inch hose, 300 feet three-fourths-inch hose, and two three-gallon extinguishers. This is the first combination wagon ever built. Four permanent men, one callman.

Engine No. 6 station, Teele square:—

- 1 Second size Metropolitan engine, drawn by three horses, capacity 700 gallons a minute, put into service in 1907, revarnished in 1911.

- 1 Combination hose and chemical wagon, drawn by two horses, equipped with two thirty-five-gallon chemical tanks, 600 feet two-and-one-half-inch hose, 300 feet three-fourths-inch hose, and twenty-four feet of ladders, put into service in 1908; six permanent men, two callmen.

Ladder No. 2 station, 265 Highland avenue:—

- 1 Seagraves trussed truck, drawn by three horses, equipped with 408 feet of ladders, longest sixty-five-foot extension, two three-gallon extinguishers, put into service in 1904; four permanent men, nine callmen.
- 1 Pope-Hartford motor-driven combination hose and chemical, No. 7, equipped with one thirty-five-gallon tank, two three-gallon extinguishers, 600 feet of two-and-one-half-inch hose, and 250 feet of three-fourths-inch chemical hose, put into service April 1, 1910; four permanent men, two callmen.

Hose No. 2 station, Marshall street, near Broadway:—

- 1 Combination hose and chemical wagon, drawn by two horses, and equipped with two thirty-five-gallon chemical tanks, 900 feet of two-and-one-half-inch hose, 300 feet three-fourths-inch chemical hose, and two three-gallon extinguishers; four permanent men, four callmen.

#### Manual Force.

The manual force of the department consists of 103 members, divided as follows:—

Sixty-three (63) permanently employed, thirty-nine (39) callmen, and one (1) relief driver.

During the year the force has been reduced two (2) callmen through resignation, and three (3) permanent men, through death, resignation, and discharge.

The force has been increased by the appointment of three (3) permanent men.

The small number of men and the continued depletion should be considered seriously and given attention.

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By the death of W. Foster Wade on September 20, 1911, the department lost a very promising member. He was a young man of indomitable will and courage and a most companionable associate.

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### Horses.

There are forty-four horses owned and maintained by the department, forty-one in actual fire service, one for relief work, one used by the fire alarm department, and the chief's horse, retired, but not yet disposed of.

There have been no horses either purchased or disposed of during the past year, which is almost unprecedented.

Each passing year is adding to the ages of the horses, and in the very near future younger horses must of necessity be purchased.

### Hose.

There are at present 9,350 feet of two and one-half-inch serviceable hose, 1,100 feet of second-grade, and 1,000 feet condemned.

There have been 600 feet purchased.

There are 2,200 feet of three-quarter-inch chemical hose. During the year there have been 600 feet purchased and 500 feet condemned.

In order that each wagon shall have its required two shifts of two and one-half-inch hose, a necessity, the amount of hose on hand should be 13,600 feet; therefore, considerable new hose should be purchased the coming year.

### Recapitulation.

In the very beginning of the year there were 22,000 cards distributed by the permanent men to every family, office, and store in the city for the purpose of advising the people as to the location of the nearest fire alarm box, with instructions for its use and the manner of telephone notification in event of a fire.

The result of this distribution has been gratifying and economical, inasmuch as there have been more than 100 telephone alarms received at the Central fire station and transmitted to the several stations, thereby very materially reducing the bell alarms, and also saving on the wear and tear upon the horses and apparatus.

There have been no large or serious fires, there having been but seventeen with an insurance loss exceeding \$1,000, as follows:—

January 12, 9.15 P. M. Still alarm, Teele square, building owned by Z. E. Cliff, occupied by Fred A. Weldon, grocery; damage to building, \$799; contents, \$1,002.55. Total, \$1,801.55. Rats and matches.

January 16, 8.20 A. M. Box 47, 7 West street, building owned by Elizabeth Buettel, occupied by Julian C. Arnold, dwelling; damage to building, \$1,100; contents, \$200. Total, \$1,300. Thawing water pipes.

January 20, 10.53 A. M. Box 236, 445 Somerville avenue, building owned by R. C. Hawes, occupied by Louis Fireman, dry goods; damage to building, \$800; contents, \$800. Total, \$1,600. Child and matches.

March 4, 1.30 A. M. Box 225, 10½ Union square, building owned by Vinal estate, occupants, A. R. Hyde, Charles Carlson, A. Rice; damage to building, \$315; contents, \$720. Total, \$1,035. Overheated stove.

March 12, 12.25 A. M. Box 443, 419 Highland avenue, building owned by E. S. Sparrow, occupied by J. F. Brown, jeweler; damage to building, \$725; contents, \$825. Total, \$1,550. Carelessness with matches.

March 23, 8.14 P. M. Box 434, 29 Josephine avenue, dwelling owned and occupied by George S. Parker; damage to building, \$830; contents, \$275. Total, \$1,105. Defective chimney.

April 1, 10.20 A. M. Box 38, city field, incinerator, property of the city of Somerville, occupied by Paul N. Raymond; damage to building, \$1,000; contents, \$500. Total, \$1,500. Spark.

April 27, 1.14 P. M. Box 412, second alarm, Dante terrace, building owned by J. E. Locatelli, occupant, Dante Club; damage to building, \$1,200; contents, \$50. Total, \$1,250. Shavings.

May 3, 1.06 P. M. Box 17, 1 Arlington street, owner and occupant, Mrs. Charles Williams; damage to building, \$1,295; contents, \$666.25. Total, \$1,961.25. Defective fireplace.

May 20, 3.45 A. M. Box 224, 205 Tremont street, building owned by H. B. Wilder, occupant, Alexander S. Ford, junk; damage to building, \$1,900; contents, \$800. Total, \$2,700. Incendiary.

July 7, 1.15 P. M. Box 48, 81 Clarendon avenue, owner and occupant, Thomas Aldham; damage to house and stable, \$1,025; contents, \$325. Total, \$1,350. Boys playing with matches.

August 21, 7.10 P. M. Box 229, 413 Washington street, buildings owned and occupied by Thomas A. Dewire, wholesale grocer; damage to buildings, \$2,285; contents, \$6,400. Total, \$8,685. Defective wiring.

October 10, 7.48 P. M. Box 214, 17 Westwood road, dwelling owned and occupied by S. Preston Moses; damage to building, \$1,315; contents, \$545. Total, \$1,860. Overheated heater.

October 24, 10.30 P. M. Box 335, 406 Mystic avenue, building owned by Mrs. Margaret Gordon, occupied by Walter P. Gordon, hennery; damage to building, \$791; contents, \$418. Total, \$1,209. Defective wiring.

November 16, 11.55 P. M. Box 412, 785 Somerville avenue, building owned by John Downey; occupants, Charles J. Brookings and S. A. Anderson; damage to building, \$1,000; contents, \$332.50. Total, \$1,332.50. Spark from pipe set fire to couch. At this fire Charles J. Brookings was so badly burned that he died a few hours later.

November 20, 6.08 P. M. Box 225, 53-55 Union square, building owned by E. C. Booth, occupant, Jackson Caldwell & Co., furniture; damage to building, \$350; contents, \$1,000. Total, \$1,350. Match in excelsior.

December 29, 6.52 A. M. Box 216, 41 Putnam street, building owned by Wilbur S. Clarke; occupants, H. S. Lockwood, Mrs. A. F. Newman, Rev. W. S. Thompson; damage to building, \$922; contents, \$1,392.68. Total, \$2,314.68. Clothing hanging near stove.

An exact comparison of upkeep between the auto combination (Hose 7) and the horse drawn combination (Hose 2) for twelve months, aside from salaries of men, slightly favors the motor driven, inasmuch as the expense of Hose 7 was \$288.55 as against Hose 2, \$310.84. Included in the auto expense was an item of \$122.33 for two accidents. Eliminating this expense, the auto has been maintained at 47 per cent. less expense than the horse drawn apparatus.

Band or friction brakes have been applied to Hose 2, Ladder 2, and Engine No. 4 wagons, replacing the old-style shoe brakes, thereby saving an immense amount of wear upon the rubber tires. Every piece of apparatus in the city is now equipped with this style brake.

Very late in the year a machine or repair shop was installed by partitioning off a part of the annex to the Central fire station. Although but a short time in operation, it has demonstrated its economical value, inasmuch as the work already performed has nearly, if not quite, paid for its equipment.

On November 8 Engine No. 2 was brought to the shop, and all lower fittings to the boiler were replaced, it being in a deplorably leaky condition, practically going out of service at every working fire.

The department is to be congratulated in having amongst its members willing, competent, practical, and mechanical men to perform needed repairs and emergency work.

The ordinance relative to "Setting fires in the open air" and placing the granting of the permits for same in the hands of the chief of the fire department, has proven its worth from the fact that in 1910 there were twenty-one alarms for rubbish and tar kettle fires, whereas this year there have been but eight for a like cause. One hundred and seven applications for fire permits were investigated, and thirty-six written permits granted.



The promiscuous and unlicensed use, as garages, of buildings throughout the city is an ever-present fire menace. In many cases a keg of powder would be safer. It is advisable, in fact urgent, that there should be enacted an ordinance requiring certain protective restrictions and regulations upon all buildings used for the housing of automobiles, and, furthermore, a system of frequent inspections.

During the past year there have been twenty-one bell alarms for fires with the cause directly attributable to sparks upon shingle roofs, in many instances attended with considerable damage. Roof fires are the most inaccessible that the department has to contend with. Almost daily the newspapers report fires of this kind. These records should be a daily reminder of the presence of a condition that favors a general conflagration, a hot blaze to begin with, a high wind, and many buildings with shingled roofs in the wind's path, that tells the whole story. Even with the best equipment a conflagration danger is ever present. Don't wait for a catastrophe.

On September 15 mutual aid was established between this city and the town of Arlington, this connection completing the circle of mutual aid with adjoining territory. Boston, Cambridge, Medford, and Arlington respond to the following boxes in this city on the first alarm:—

Engine 32, Charlestown, 17, 18, 122, 156.  
 Engine 3, Cambridge, 113, 121, 221.  
 Engine 4, Cambridge, 427, 445, 446.  
 Engine 5, Cambridge, 26, 212, 219, 226, 241.  
 Ladder 2, Cambridge, 21, 23, 212, 221.  
 Combination B, Medford, 35, 37, 38, 326, 337.  
 Chemical A and Hose 3, Arlington, 71, 448, 452.

On the other hand, we reciprocate by answering, with the nearest piece of apparatus, to four boxes in Charlestown, fourteen in Cambridge, five in Medford, and five in Arlington. Furthermore, on second alarms from boxes within answering distance, we respond without request, and enjoy the same courtesy from our neighbors.

### **Recommendations.**

I renew my recommendation of last year relative to the purchase of an aerial truck for the Union-square station. It is true that we have been fortunate in not having any fires originate, of any serious nature, in the upper stories of the large business buildings in this section, but sometime a fire will occur above the reach of the present ladder equipment which may cause a disastrous loss of life and property.

A ladder truck in the Clarendon-hill district is imperative. The rapid increase of the three-storied structures calls for more adequate ladder equipment, Ladder No. 2, the nearest ladder truck, being more than a mile away.



A motor-driven combination wagon for the Central station, to replace Chemical A and Engine No. 1 wagon, would greatly reduce the present expense, i. e., the maintenance of four horses and other incidentals attendant upon horse-drawn apparatus.

The early erection of the proposed Winter Hill fire station, with the installation of motor-driven apparatus, would release an excellent combination wagon that can be placed in Hose No. 5 station, thereby reducing the maintenance of that station, and furthermore, would replace a three-horse-drawn antiquated piece of apparatus.

I recommend the purchase of a motor-driven pumping engine for the Teele-square station. The installation of a piece of apparatus of this kind would greatly add to the efficiency of the department in the western half of the city. The present horse-drawn engine cannot render its full service owing to its lack of availability and the limitations of horseflesh.

The popularity and efficiency of motor-driven over horse-drawn apparatus is unquestioned, and that its full effectiveness may be wholly apparent, it will be necessary to remodel our present fire alarm system; in fact this should be done immediately, that our present fire equipment may render its best service. Many valuable seconds are lost awaiting our slow striking system to tell us where to go.

An automobile should be immediately secured for the chief, that the duties required of the position may be properly and effectually accomplished.

#### **Conclusion.**

The energy, efficiency, and promptness of the men, coupled with the good conditions of the horses and apparatus, have been responsible for the past year's excellent service and good results. Although the number of alarms, both bell and still, are in excess of the previous year and the property value at risk fifty per cent. more, nevertheless the insurance loss has been \$5,595.32 less, and, with the exception of the year 1906, the smallest for the past ten years.

In closing, I wish to extend to the officers and members of the department my sincere thanks for the willing spirit displayed and the faithful manner in which they have performed the arduous duties of their calling. I also desire to express my appreciation and thanks to his honor, the mayor, and the board of aldermen for their courtesy, confidence, and co-operation. I have endeavored to keep within the bounds of economy in the maintenance and at the same time give to the public proper protection and service.

Respectfully submitted,

SEWALL M. RICH,  
Chief Engineer.

## REPORT OF THE CHIEF OF POLICE.

OFFICE OF CHIEF OF POLICE, }  
City of Somerville, January 7, 1912. }

To the Honorable, the Mayor, and Board of Aldermen of the  
City of Somerville:—

Gentlemen,—I herewith respectfully submit for your consideration my third annual report as chief of police, giving in detail the amount of work performed by the police department for the year ending December 31, 1911:—

### Arrests.

Whole number of arrests made . . . . .	1,349
With and without warrants . . . . .	938
On summons and notification . . . . .	411
	1,349
Males . . . . .	1,257
Females . . . . .	92
	1,349
Americans . . . . .	838
Foreign born . . . . .	511
	1,349
Residents . . . . .	890
Non-residents . . . . .	459
	1,349

### 1.—Crimes and Offenses Against the Person.

Abduction . . . . .	1
Assault . . . . .	3
Assault with dangerous weapon . . . . .	6
Assault with intent to kill and murder . . . . .	5
Assault on officer . . . . .	1
Assault and battery . . . . .	138
Assault and battery on officer . . . . .	1
Manslaughter . . . . .	3
Murder . . . . .	1
Rape, attempt . . . . .	2
Robbery . . . . .	2
Threats . . . . .	8
	171

### 2.—Crimes and Offenses Against Property.

Breaking and entering, attempt . . . . .	1
Breaking and entering . . . . .	45
Breaking and entering railroad car . . . . .	3
Breaking glass, wantonly . . . . .	21
Evading fare on railway . . . . .	1
Larceny . . . . .	107
	178
Carried forward . . . . .	178

Brought forward . . . . .	178
Larceny in building . . . . .	14
Larceny from person . . . . .	1
Malicious injury to building . . . . .	1
Malicious injury to real estate . . . . .	1
Mortgaged property, concealment of . . . . .	2
Mortgaged property, sale of . . . . .	1
Receiving stolen goods and property . . . . .	4
Trespass . . . . .	28
Trespass with intent to steal . . . . .	5
Unlawful appropriation of horse and wagon . . . . .	3
Unlawful use of horse and wagon . . . . .	1
Unlawful use of registered milk cans . . . . .	12
Wanton injury to a door . . . . .	1
Wanton injury to personal property . . . . .	5
Wanton injury to a tree . . . . .	1

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### 3.—Crimes and Offenses Against Public Order, Etc.

Abortion . . . . .	2
Automobile laws, violation of . . . . .	49
Bail surrender . . . . .	1
Bastardy . . . . .	8
Boiler laws, violation of . . . . .	3
Burglars' tools, in possession of . . . . .	1
Capias for witness . . . . .	1
Cigarette law, violation of . . . . .	1
City ordinances, violation of . . . . .	79
Contempt of court . . . . .	2
Cruelty to animals . . . . .	3
Defaults on warrants . . . . .	3
Disorderly conduct on public conveyance . . . . .	3
Disturbing the peace . . . . .	18
Disturbing the peace on public conveyance . . . . .	1
Dog keeping, unlicensed . . . . .	5
Drunkenness . . . . .	478
Drunkenness, common . . . . .	18
Escape from Lyman School . . . . .	1
Failing as attending physician to notify board of health, . . . . .	1
Forgery . . . . .	2
Giving false alarm of fire . . . . .	3
Lewd cohabitation . . . . .	10
Liquor laws, violation of . . . . .	11
Loaded revolver, having on person . . . . .	2
Lord's Day, violation of . . . . .	63
Milk laws, violation of . . . . .	3
Neglected children . . . . .	6
Neglect to support . . . . .	62
Peddling without license . . . . .	3
Perjury . . . . .	1
Polygamy . . . . .	1
Runaway boy . . . . .	1
Safe keeping, alien . . . . .	1
Safe keeping, demented . . . . .	3
Safe keeping, insane . . . . .	2
Safe keeping, pauper . . . . .	1
Safe keeping, runaway boys . . . . .	10

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Carried forward . . . . . 863

Brought forward . . . . .	863
School laws, violation of . . . . .	3
Selling berries unfit for food . . . . .	1
Spitting on sidewalk . . . . .	1
Stubbornness . . . . .	16
Suspicious person . . . . .	1
Throwing missiles at railroad train . . . . .	2
Traffic rules, violation of . . . . .	1
United States mail, fraudulent use of . . . . .	1
United States navy, deserter . . . . .	1
United States navy, straggler . . . . .	1
Unlawfully holding himself out as practitioner of medicine . . . . .	1
Unlawfully practicing medicine . . . . .	1
Unlawfully riding on freight train . . . . .	1
Uttering a forged instrument . . . . .	1
Vagrancy . . . . .	15
Violating terms of probation . . . . .	2
Violation of parole from Industrial School for Girls . . . . .	1
Violation of parole from Lyman School . . . . .	1
Walking on railroad track . . . . .	4
Wilfully disturbing an assembly . . . . .	1
Wilfully interrupting a funeral procession . . . . .	1
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	920

### Recapitulation.

(1) Crimes and Offenses Against the Person . . . . .	171
(2) Crimes and Offenses Against Property . . . . .	258
(3) Crimes and Offenses Against Public Order, Etc. . . . .	920
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	1,349
Released by probation officer for drunkenness . . . . .	32
Surrendered by probation officer for drunkenness . . . . .	1
Surrendered to other officers and institutions, etc. . . . .	62
Delivered to superior court, on <i>capias</i> , etc. . . . .	6
Delivered to jail at East Cambridge, bail surrender, etc., . . . . .	7
Bailed to appear at other courts . . . . .	4
Cases dismissed in police court . . . . .	9
Surrendered to police court on <i>capias</i> , default warrants, etc. . . . .	5
Released by officer in charge, suspicious person . . . . .	1
Suicide in station . . . . .	1
Cases in which <i>nolle prosequi</i> was entered . . . . .	15
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	143
Whole number of arrests made . . . . .	1,349
Cases in which no prosecution was made in Somerville . . . . .	143
	<hr/>
	1,206

Number of cases held for trial . . . . . 1,206  
 Note.—Two hundred and four of the above number of cases were juveniles and delinquents.

### Miscellaneous Reports.

Accidents reported . . . . .	144
Accidental shooting . . . . .	1
Alarms given for fire . . . . .	7
Amount of property reported stolen . . . . .	\$8,973.83
Amount of property recovered . . . . .	\$4,070.72
Amount of property reported lost . . . . .	\$336.00



Amount of lost property recovered . . . . .	\$80.51
Amount of property reported destroyed and damaged . . . . .	\$226.00
Assaults reported . . . . .	5
Attempts to break and enter . . . . .	33
Attempt to commit larceny . . . . .	1
Attempt to commit suicide . . . . .	1
Attempt to give false alarm of fire . . . . .	1
Attempt to poison child . . . . .	1
Attempt to rob . . . . .	1
Attempt to set fire . . . . .	1
Boarding house beats reported . . . . .	2
Boundary posts dangerous . . . . .	2
Bridge railing dangerous . . . . .	1
Buildings broken and entered, nothing stolen . . . . .	22
Buildings found open and secured . . . . .	429
Building moved . . . . .	1
Buildings reported being repaired, erected, etc. . . . .	91
Cat killed . . . . .	1
Cellars flooded . . . . .	2
Chimneys blown down . . . . .	2
Counterfeit money passed . . . . .	\$1.25
Dead bodies found . . . . .	3
Defective bill board . . . . .	1
Defective bridges . . . . .	6
Defective catch basins . . . . .	8
Defective gas gate boxes . . . . .	3
Defective hydrants . . . . .	2
Defective manhole and manhole covers . . . . .	8
Defective poles . . . . .	5
Defective sidewalks . . . . .	351
Defective sidewalk railing . . . . .	1
Defective signs and sign posts . . . . .	18
Defective streets . . . . .	84
Defective subways . . . . .	3
Defective voting list . . . . .	1
Defective water fountain . . . . .	1
Defective water gates . . . . .	3
Defective water pipe . . . . .	1
Defective wires . . . . .	31
Deserted children found . . . . .	2
Disturbance suppressed . . . . .	1
Dogs found . . . . .	2
Dog found dead . . . . .	1
Dogs killed . . . . .	21
Dog licenses, money collected for, by officers . . . . .	\$1,360.00
Dog reported lost . . . . .	1
Electric light globes broken . . . . .	2
False alarms of burglary . . . . .	2
False alarms of fire given . . . . .	8
False message delivered . . . . .	1
Fence dangerous . . . . .	1
Fence destroyed . . . . .	1
Fire alarm box broken . . . . .	1
Fires extinguished without alarm . . . . .	8
Fires reported . . . . .	3
Fire set by boys . . . . .	1
Fire, still alarm for . . . . .	1
Fire supposed to be incendiary . . . . .	1
Garages inspected in 1911; number of automobile owners . . . . .	608

Gas pipes leaking . . . . .	8
Guard iron at Prospect Hill Tower, dangerous . . . . .	1
Heat prostrations . . . . .	10
Horse killed . . . . .	1
Houses entered, nothing stolen . . . . .	2
Houses unoccupied . . . . .	21
Indecent exposure of person . . . . .	5
Malicious mischief reports . . . . .	2
Missing persons reported . . . . .	19
Missing persons found . . . . .	8
Money obtained by false pretences . . . . .	\$55.00
Number of larcenies reported . . . . .	377
Number of street lights reported out . . . . .	4,248
Obstructions on sidewalk . . . . .	11
Obstructions in streets . . . . .	20
Panes of glass broken . . . . .	72
Permits granted to perform labor on the Lord's Day . . . . .	73
Persons bitten by cat . . . . .	2
Persons bitten by dog . . . . .	2
Persons overcome by illuminating gas . . . . .	4
Railroad crossing blocked . . . . .	1
Reports of property damaged, no value given . . . . .	2
Reports of property found, no value given . . . . .	9
Robbery . . . . .	1
Runaway boy located . . . . .	1
Seals broken on railroad cars . . . . .	4
Slot machines broken . . . . .	2
Still-born body found . . . . .	1
Stray horse cared for . . . . .	1
Streets flooded . . . . .	2
Sudden deaths . . . . .	6
Suicide . . . . .	1
Summonses served for defendants, etc., to appear in court at other places . . . . .	32
Team hired and not returned, valued at . . . . .	\$75.00
Trees dangerous . . . . .	88
Unconscious person found . . . . .	1
Unlawful appropriation of team . . . . .	1
Unlawfully cutting girl's hair . . . . .	1
Violation of city ordinances . . . . .	2
Water pipes reported leaking . . . . .	121
Window broken . . . . .	1

**Intoxicating Liquor.**

The following amount of intoxicating liquors and the vessels containing the same were seized, and by order of the court were forfeited to the commonwealth: Fifty-eight and three-fourths gallons of lager beer in 787 bottles, three kegs, thirty cases, one jug; six gallons of ale in 144 bottles and six cases; one-half gallon of whiskey in three bottles and one jug; eleven empty bottles, one empty jug, and four glasses.

**Police Signal Service and Horse Drawn Patrol Wagon and Horse Drawn Ambulance Reports.**

Number of on duty reports made by the patrolmen . . . . .	269,351
Number of telephone calls . . . . .	49,978
Number of runs made with the patrol wagon . . . . .	625

Number of miles run with the patrol wagon . . . . .	1,018
Number of prisoners conveyed to station in patrol wagon . . . . .	679
Number of sick and injured persons conveyed in ambulance . . . . .	595

### Automobile Patrol-Ambulance.

Number of runs made in conveying prisoners to station . . . . .	18
Number of miles run in conveying prisoners to station . . . . .	44
Number of prisoners conveyed to station . . . . .	18
Number of sick and injured persons conveyed . . . . .	13
Number of miles run in conveying prisoners to jail . . . . .	79.2
Total number of miles run for all purposes . . . . .	514

Note.—The automobile patrol-ambulance went into commission Thanksgiving day, November 30, 1911.

### Official Roster of Department.

CHARLES A. KENDALL, Chief of Police.

Robert R. Perry, Captain.	Edward McGarr, Sergeant.
Dennis Kelley, Lieutenant.	George H. Carleton, Sergeant.
Eugene A. Carter, Lieutenant.	James M. Harmon, Sergeant.
Charles E. Woodman, Lieutenant.	John A. Ray, Sergeant.
Thomas Damery, Inspector.	

### PATROLMEN.

Edward M. Carter.	Martin Sharry.
George L. Smith.	Robert T. Blair.
Francis A. Perkins.	Ernest Howard.
Jacob W. Skinner.	Claude L. Crossman.
Theodore E. Heron.	John J. Cummings.
Michael T. Kennedy.	Lemuel J. Simons.
Ezra A. Dodge.	Edmund J. Keane.
Charles W. Stevens.	Denis Neylon.
Daniel G. Simons.	Denis Downey.
Samuel Burns.	Edward M. Davies.
Frederick H. Googins.	George A. C. Peters.
Jotham Chisholm.	James E. Phillips.
William J. Davidson.	Louis J. Belzarini.
Elmer E. Drew.	Walter Reed.
John A. Dadmun.	Dennis G. Mulqueeney.
Eugene A. Woodsum.	Patrick J. Doolin.
George L. Rice.	Edward J. Hopkins.
Myron S. Gott.	William G. Kenney.
Charles W. Reick.	Walter L. Groves.
Frank C. Hopkins.	Frederick G. Jones.
Charles W. Allen.	Joseph A. Dwyer.
Hudson M. Howe.	Thomas P. Walsh.
Ernest S. Goff.	Clyde W. Steeves.
Sanford S. Lewis.	Augustine J. Fitzpatrick.
Frank H. Graves.	Patrick McGrath.
Henry A. Sudbey.	Bernard McCabe.
Thomas F. McNamara.	Harry C. Young.
Louis F. Arnold.	Robert D. Dewar.
Charles S. Johnston.	Peter Moore.
James M. Lynch.	Albert C. Hawes.

**RESERVE OFFICERS.**

Walter C. Oesting.	Alexander Morrison.
John L. Cameron.	Daniel J. Powers.
Francis P. Higgins.	Jeremiah O'Connor.
Arthur S. Walsh.	James P. Higgins.
John J. McCahey.	Charles E. Wilson.

**PATROL DRIVERS AND CHAUFFEURS.**

Martin E. Driscoll.	James W. Lundergan.
Charles J. Fulton.	

**MATRON.**

Minnie F. Woodland.

**PENSIONERS, RETIRED ON HALF PAY.**

George W. Bean, July 2, 1902.	James J. Pollard, Feb. 27, 1908.
Albion L. Staples, Mar. 24, 1905.	Melville C. Parkhurst, Oct. 31, 1908.
John E. Fuller, Mar. 23, 1906.	Herbert Hilton, Dec. 21, 1911.
Ira S. Carleton, May 9, 1907.	William H. Johnston, Dec. 29, 1911.

**Changes in the Department During the Year.**

March 23, 1911, Reserve Officer William E. Taylor, discharged.  
 April 15, 1911, Patrolman David A. Bolton, resigned.  
 May 11, 1911, Francis P. Higgins appointed reserve officer.  
 May 11, 1911, Arthur S. Walsh appointed reserve officer.  
 June 8, 1911, John J. McCahey appointed reserve officer.  
 October 10, 1911, Reserve Officer Bernard McCabe promoted to patrolman.  
 October 10, 1911, Reserve Officer Harry C. Young promoted to patrolman.  
 October 10, 1911, Reserve Officer Robert D. Dewar promoted to patrolman.  
 October 10, 1911, Reserve Officer Peter Moore promoted to patrolman.  
 December 14, 1911, Alexander Morrison appointed reserve officer.  
 December 14, 1911, Daniel J. Powers appointed reserve officer.  
 December 14, 1911, Jeremiah O'Connor appointed reserve officer.  
 December 14, 1911, James P. Higgins appointed reserve officer.  
 December 21, 1911, Patrolman Herbert Hilton retired on half pay and placed on the pension roll.  
 December 21, 1911, Reserve Officer Albert C. Hawes promoted to patrolman.  
 December 28, 1911, Charles E. Wilson appointed reserve officer.  
 December 29, 1911, Patrolman William H. Johnston retired on half pay and placed on the pension roll.

**Sickness and Disability.**

The following-named officers have been absent from duty on account of sickness or disability during the year:—

	Days.
Perry, Robert R., captain . . . . .	5½
Kelley, Dennis, lieutenant . . . . .	1
Harmon, James M., sergeant . . . . .	16
Carried forward . . . . .	22½



Brought forward . . . . .	22½
Damery, Thomas, inspector . . . . .	5½
Allen, Charles W., patrolman . . . . .	30
Belzarini, Louis J., patrolman . . . . .	17
Blair, Robert T., patrolman . . . . .	1
Burns, Samuel, patrolman . . . . .	3
Carter, Edward M., patrolman . . . . .	3
Chisholm, Jotham, patrolman . . . . .	5
Crossman, Claude L., patrolman . . . . .	2
Cummings, John J., patrolman . . . . .	4
Davidson, William J., patrolman . . . . .	16
Dodge, Ezra A., patrolman . . . . .	15
Doolin, Patrick J., patrolman . . . . .	34
Downey, Denis, patrolman . . . . .	21
Drew, Elmer E., patrolman . . . . .	111½
Dwyer, Joseph A., patrolman . . . . .	5
Goff, Ernest S., patrolman . . . . .	6
Googins, Frederick H., patrolman . . . . .	46
Graves, Frank H., patrolman . . . . .	3½
Groves, Walter L., patrolman . . . . .	23
Heron, Theodore E., patrolman . . . . .	10
*Hilton, Herbert, patrolman . . . . .	290
Howard, Ernest, patrolman . . . . .	2
Johnston, Charles S., patrolman . . . . .	16
†Johnston, William H., patrolman . . . . .	284
Jones, Frederick G., patrolman . . . . .	3
Lewis, Sanford S., patrolman . . . . .	4
Lynch, James M., patrolman . . . . .	7
McNamara, Thomas F., patrolman . . . . .	10
Mulqueeny, Dennis G., patrolman . . . . .	11
Neylon, Denis, patrolman . . . . .	7
Perkins, Francis A., patrolman . . . . .	10
Peters, George A. C., patrolman . . . . .	24½
Phillips, James E., patrolman . . . . .	4
Simons, Daniel G., patrolman . . . . .	6½
Simons, Lemuel J., patrolman . . . . .	6
Skinner, Jacob W., patrolman . . . . .	7
Smith, George L., patrolman . . . . .	1
Steeves, Clyde W., patrolman . . . . .	2
Stevens, Charles W., patrolman . . . . .	15
Sudbey, Henry A., patrolman . . . . .	12
Woodsum, Eugene A., patrolman . . . . .	5
Total . . . . .	1,111

\*Hilton, Herbert, retired December 21, 1911.

†Johnston, William H., retired December 29, 1911.

### Comparisons of Arrests.

There were 320 less arrests this year than last year, which may be accounted for in part by the falling off in the number of arrests for drunkenness, there being 253 less arrests for this offence than in 1910, which is probably due to the rigid enforcement of the no-license law, and the so-called bar-and-bottle bill, which is in force in Boston.

### **Regulation of the Liquor Traffic.**

The duty of looking after the druggists and the so-called pony expresses has been well performed; a record of sales made by the druggists and deliveries of liquor made by the expresses has been taken for reference. There are few, if any, kitchen bar rooms in existence at the present time.

### **Detective Service.**

The work of this branch of the police service requires tact, patience, skill, and resourcefulness, and the duties have been well and faithfully performed. Particular attention has been given to the finger-print system of identification, and cards are taken in triplicate, one being sent to Washington, D. C., one to the state house in Boston, and one kept on file at police headquarters. The card index system of recording proper descriptions, data, etc., of persons arrested, together with reference to histories and newspaper clippings concerning important cases which this department has dealt with, is now carefully compiled. I wish it were possible to detail more officers for this work, as I believe that this branch is an important part of any police department.

### **Automobile Patrol-Ambulance.**

A new White forty-horse-power gasoline combination patrol and ambulance was installed on November 30, 1911, and fills a long-felt want in this department, and so far has given excellent service. The patrol drivers were instructed in the operation of the car, and two of them have received licenses as chauffeurs.

On account of the installation of the automobile patrol and ambulance, one of the horses, "Tom," who did faithful service for twelve years, was sent to "Red Acre Farm" in Stow, Mass., on December 24, to pass the remainder of his days in a well-earned rest.

One horse is still in the service and is used in cases of emergency.

### **Performance of Duties.**

The officers have nearly all performed their duties in a highly creditable manner, and at all public assemblages have worked in unison and deserve much credit for their department. All crimes of a serious nature have received prompt and proper attention, and due to their efforts Somerville has been a very orderly city.

The department has been seriously handicapped by having as one of its members a reserve officer who was arrested early

in the year and found guilty of a number of burglaries. I think I voice the sentiment of every member of the department when I say that any man wearing the uniform of a police officer who will stoop to do this kind of business should receive the condemnation of every respectable person and of every member of the department.

### **Recommendations.**

I would respectfully call your attention to the following recommendations:—

A new police station, or thoroughly remodeling the present building.

More motor vehicles, such as another patrol-ambulance, a runabout for the use of the chief of police, or a horse and buggy in its stead, and one or two motor-cycles.

New police signal system and an electrician continually employed to look after the system, he to be under the immediate control of the chief of police.

All revolvers should be of uniform make, and all of the officers should have target practice, that they may become proficient in their use. Extra saddles and equipments for use of mounted men.

New long clubs. Handcuffs of uniform make.

A competent drill master to drill the men in military tactics, and to hold a parade of the police department in the autumn of the year.

I would suggest that the ordinances and rules governing this department be revised and changes made in them, especially in regard to lost time for sickness, to read something as follows: No pay will be allowed for less than three days' sickness, and half pay only to be allowed for sickness for a period not exceeding thirty days, and then only on filing a certificate from a resident physician, full pay only to be allowed for disability on account of injuries received in the discharge of duties of a perilous nature.

Also in regard to lost time in attending funerals, to read as follows: No pay will be allowed during absence from duty to attend funerals unless the relationship between the decedent and the officer applying for leave of absence is that of father, mother, wife, child, brother, or sister, or wife's father, mother, brother, or sister, and not to exceed three days' leave of absence with pay.

The appointment of additional sergeants, so that there may be more sergeants on street duty and also to take the places of ranking officers who are away one day in each fifteen days.

The liquor officer should be a ranking officer.

**Conclusion.**

I desire at this time to express to the mayor, Honorable Charles A. Burns, my appreciation of his direction and advice in all matters concerning this department, which have been progressive and for the good of Somerville.

To the members of the board of aldermen, members of the public safety committee, heads of other departments and their assistants, medical examiner, matron at Somerville hospital, Judge of Police Court L. Roger Wentworth, members of the police department, and last, and by no means least, the members of the local newspaper fraternity, with all of whom I have had the most cordial relations and who have materially assisted this department, I tender my most sincere thanks.

Respectfully submitted,

CHARLES A. KENDALL,

Chief of Police.



## REPORT OF SEALER OF WEIGHTS AND MEASURES.

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OFFICE OF SEALER OF WEIGHTS AND MEASURES, }  
City Hall Annex, Somerville, January 1, 1912. }

To His Honor, the Mayor, and the Board of Aldermen:—

The following report of the sealer of weights and measures for the year 1911 is respectfully submitted:—

Section 21, chapter 62, of the Revised Laws provides that sealers of weights and measures shall annually give public notice by advertisement, or by posting, in one or more public places in their respective cities and towns, notices to all inhabitants or persons having usual places of business therein who use weights, measures or balances for the purpose of selling goods, wares, merchandise, or other commodities or for public weighing to bring in their weights, measures and balances to be adjusted and sealed. Such sealers shall attend in one or more convenient places, and shall adjust, seal and record all weights, measures and balances so brought in.

Section 34 of the same chapter provides that each sealer of weights and measures, including the county treasurers, shall receive a fee of one dollar for sealing each platform balance if weighing five thousand pounds or more, and fifty cents if weighing less than that amount, and three cents each for sealing all other weights, measures, scales, beams or balances. He shall also have a reasonable compensation for all necessary repairs, alterations and adjustments made by him.

Where weights, measures and balances are sealed as provided in Section 21 (that is, brought to the office), no fee is charged for sealing.

In compliance with the foregoing Section 21, the customary notice was given by advertising in the Somerville Journal and the Somerville Reporter in March, 1911.

During the year the sealer visited all places in the city where goods were bought or sold, tested all scales, weights and measures, sealed those which were found correct, and condemned all found beyond repair and useless.

Three hundred and two scales, weights and measures were adjusted before sealing, twenty-four scales were tagged for repairs, five of which were repaired as ordered, and the remaining nineteen put out of use.

Work done in weights and measures during the year 1911:—

	No. of Tests Made at Office.	No. of Tests Made Out of Office.	
Number of scales sealed . . . . .	302	1,713	
Number of weights sealed . . . . .	282	4,255	
Number of dry measures sealed . . . . .	733	1,432	
Number of tin liquid measures sealed . . . . .	2,305	1,584	
Number of glass liquid measures sealed . . . . .	837	0	
Number of yard sticks sealed . . . . .	1	150	
Number of coal and berry baskets sealed, . . . . .	509	2,257	
Number of miscellaneous sealed . . . . .	6	0	
	<hr/>	<hr/>	
Total number of all kinds sealed . . . . .	4,975	11,391	16,366
Number of scales adjusted and sealed . . . . .	39	61	
Number of weights adjusted and sealed . . . . .	40	37	
Number of dry measures adjusted and sealed . . . . .	5	0	
Number of liquid measures adjusted and sealed . . . . .	120	0	
	<hr/>	<hr/>	
Total number adjusted and sealed . . . . .	204	98	302
Number of scales tagged for repairs . . . . .	7	17	
Number of scales repaired as ordered . . . . .	4	1	
	<hr/>	<hr/>	
Total number tagged and repaired . . . . .	11	18	29
Number of scales condemned . . . . .	10	5	
Number of weights condemned . . . . .	1	2	
Number of dry measures condemned . . . . .	8	6	
Number of liquid measures condemned . . . . .	111	0	
Number of yard sticks condemned . . . . .	0	1	
Number of miscellaneous condemned . . . . .	13	0	
	<hr/>	<hr/>	
Total number condemned . . . . .	143	14	157
	<hr/>	<hr/>	
Total number tested in and out of office . . . . .			16,854

## Receipts for the year 1911:—

Appropriation . . . . .	\$1,900 00	
Fees received for sealing and adjusting . . . . .	516 28	
	<hr/>	\$2,416 28

## Expenditures for the year 1911:—

Telephone service . . . . .	\$29 55	
Printing books and supplies . . . . .	75 74	
Bills not received in time for December payment . . . . .	43 15	
Amount paid for team . . . . .	255 00	
Amount paid for helper . . . . .	16 75	
Salary of sealer . . . . .	1,100 00	
Salary of deputy sealer . . . . .	800 00	
	<hr/>	\$2,320 19

Unexpended balance . . . . . \$96 09

The item of \$43.15 included above was for supplies bought in November and December, 1911, but bills for same were not received in time for the December pay-roll.

JOHN H. DUSSEAULT,  
Sealer of Weights and Measures.

## REPORT OF THE CITY SOLICITOR.

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Somerville, January 17, 1912.

To the Honorable, the Mayor, and Board of Aldermen of the City of Somerville:—

The following is my report as city solicitor for the year 1911:—

*Abolition of Grade Crossings.* At Webster avenue the work of construction is nearly completed. About fifty claims for land damages have been settled, and seventeen suits on other claims are now pending. Grade crossing matters so greatly increased the work of this department that I found it necessary to obtain the assistance of other attorneys. Payment for their services was made out of the sums received by me as special counsel, all of which have been allowed by the auditor and by the court as a part of the general expense of abolishing the crossings. No work of construction has been done at Medford street, Park street, or Dane street. A decree for the abolition of crossings at these streets was obtained March 3, 1910.

*Lowell-Street Bridges.* Two claims for land damages have been adjusted by the payment of \$150 in each case, and no suits are now pending.

*Claims and Cases in Court.* Claims for injuries received by reason of defects in public ways were settled for \$50, \$100, \$110, \$150, \$337.50, and \$350.

*Legislative Matters.* Perhaps the most important matter before the legislature affecting this city was an attempt to secure the passage of an act whereby various cities and towns would be required to pay a part of the expense of constructing and maintaining bridges over the Charles river between Cambridge and Boston. The attempt was defeated.

Very respectfully,

FRANK W. KAAAN,  
City Solicitor.

## REPORT OF THE CITY CLERK.

OFFICE OF THE CITY CLERK, }  
January 1, 1912. }

To the Honorable, the Mayor, and the Board of Aldermen:—

Gentlemen,—The following is respectfully submitted as the fortieth annual report of the city clerk of the city of Somerville, and is for the year ending December 31, 1911:—

The receipts and payments were as follows:—

### Receipts.

Balance from year 1910, being for dog licenses issued in December, 1910:—		
2 females at \$5.00 . . . . .	\$10 00	
Less city clerk's fees paid to the city treasurer in December, 1910, 2 at \$.20	40	
		\$9 60
For dog licenses issued in 1911:—		
1,345 males at \$2.00 . . . . .	\$2,690 00	
279 females at \$5.00 . . . . .	1,395 00	
95 spayed at \$2.00 . . . . .	190 00	
3 breeders' licenses at \$25.00 . . . . .	75 00	
		\$4,350 00
Recording mortgages, assignments, etc., 748 papers . . . . .	\$458 50	
Certificates of marriage intentions, 900 and 2 duplicates at \$1.00 . . . . .	908 00	
Furnishing copies of records . . . . .	146 00	
Licenses:—		
Amusements:—		
30 monthly licenses at \$4.00 . . . . .	\$120 00	
117 licenses at \$1.00 . . . . .	117 00	
1 license at \$1.00 for 1912 . . . . .	1 00	
3 licenses for fractional parts of months . . . . .	4 00	
		242 00
Auctioneers, 22 at \$2.00 . . . . .	44 00	
Billiard and pool tables and bowling alleys, 26 licenses for 68 tables and 14 alleys, at \$2.00 . . . . .	164 00	
Cry goods and calling, 93 at \$1.00, including 5 not acted on . . . . .	93 00	
Drain layers, 8 at \$1.00 . . . . .	8 00	
Drivers, 13 at \$1.00 . . . . .	13 00	
Engines and motors, 15 licenses at \$1.00, for 24 motors, 1 boiler, and 4 gas engines, and including 1 license, not acted on, for 2 gas engines . . . . .	15 00	
Hackney carriages, 8 licenses for 17 carriages at \$1.00 . . . . .	17 00	
Garages, 52 licenses at \$2.00 . . . . .	\$104 00	
3 refused and money not called for . . . . .	6 00	
1 not acted on . . . . .	2 00	
		112 00
Amounts carried forward . . . . .	\$2,220 50	\$4,359 60



Amounts brought forward . . . . .	\$2,220 50	\$4,359 60
Innholders and common victuallers, 49 licenses at \$2.00, for 1 innholder and 48 victuallers, including 2 victuallers not acted on . . . . .	98 00	
Intelligence offices, 11 licenses, including 1 paid for in 1910, making 10 at \$2.00 . . . . .	20 00	
Junk and second-hand licenses:—		
15 licenses at \$25.00 . . . . .	\$375 00	
24 licenses at \$10.00 . . . . .	240 00	
1 refused and money not called for . . . . .	10 00	
	<hr/>	
	625 00	
Private detectives, 5 licenses at \$10 00 . . . . .	50 00	
Ring bells, 11 licenses at \$1.00 . . . . .	11 00	
Slaughtering, 6 licenses at \$1.00 . . . . .	6 00	
Street musicians, 9 licenses for 17 persons at \$.50 . . . . .	8 50	
Wagons, 51 licenses for 106 wagons at \$1.00 . . . . .	106 00	
Wagon stands, 3 licenses at \$1.00 . . . . .	3 00	
Permits for projections over sidewalks, 21 at \$1.00 . . . . .	21 00	
Permits to transport liquors:—		
15 permits, including one paid for in 1910, making 14 at \$1.00 . . . . .	\$14 00	
4 refused and money not called for . . . . .	4 00	
	<hr/>	
	18 00	
Recording and issuing sixth-class liquor licenses, 34 at \$1.00 . . . . .	34 00	
Seventh-class liquor license, not issued . . . . .	1 00	
Filing certificates, 2 at \$.50 . . . . .	1 00	
Repairing and sale of junk badges . . . . .	2 00	
Sale of old ballots . . . . .	3 12	
Interest on deposits . . . . .	13 82	
	<hr/>	
		3,241 94
Total receipts . . . . .		<hr/>
		\$7,601 54

### Payments.

To Joseph O. Hayden, county treasurer, June 1 and December 1, receipts for dog licenses from December 1, 1910, to November 30, 1911, both inclusive:—		
1,340 males at \$2.00 . . . . .	\$2,680 00	
278 females at \$5.00 . . . . .	1,390 00	
95 spayed at \$2.00 . . . . .	190 00	
3 breeders' licenses at \$25.00 . . . . .	75 00	
	<hr/>	
	\$4,335 00	
Less city clerk's fees, 1,716 at \$.20 . . . . .	343 20	
	<hr/>	
		\$3,991 80

To the city treasurer, monthly:—

City clerk's fees for issuing and recording dog licenses, 1,722 at \$.20 . . . . .	\$344 40	
All the receipts above specified, except for dog licenses . . . . .	3,241 94	
		<u>3,586 34</u>
Total payments . . . . .		<u>\$7,578 14</u>
Balance, January 1, 1912, being for dog licenses issued in December, 1911:—		
5 males at \$2.00 . . . . .	\$10 00	
3 females at \$5.00 . . . . .	15 00	
		<u>\$25 00</u>
Less city clerk's fees paid to the city treasurer, 8 at \$.20 . . . . .	1 60	
		<u><u>\$23 40</u></u>

Credits to city clerk's department account were received from accounts for collection for costs of notices of hearings, from

The Edison Electric Illuminating Company of Boston . . . . .	\$13 80	
The New England Telephone and Telegraph Company of Massachusetts . . . . .	37 10	
		<u>\$50 90</u>

There have been issued during the year 170 resident hunters' licenses at \$1 each, the fees for which have been paid monthly to the commissioners of fisheries and game of the commonwealth; total, \$170.

#### Licenses and Permits.

Besides the licenses mentioned in the foregoing list of receipts, licenses and permits have been granted by the board of aldermen, without charge, as follows:—

Auctioneers (to veterans of the Civil War) . . . . .	4
Children under fifteen to take part in entertainments . . . . .	10
Newsboys . . . . .	77
To blast rock or stone . . . . .	4
To erect or use buildings for gasoline . . . . .	17
To hold road race in streets . . . . .	1
To move buildings through streets . . . . .	5
To parade in streets . . . . .	5
To hold open-air meetings . . . . .	3

#### Gas and Pole Locations.

The Cambridge Gas Light Company and the Charlestown Gas and Electric Company have been granted permission to lay gas mains in sundry streets.

Permission has also been granted The Edison Electric Illuminating Company of Boston and The New England Telephone and Telegraph Company of Massachusetts for the

erection of poles and for the attachments of wires and fixtures, and to the West End Street Railway Company for track locations and electric rights in various streets.

In every order of the board of aldermen granting such permission to use the streets provision is made for the protection of the interests of the city, and a suitable agreement, satisfactory in form to the city solicitor, must be filed with the city clerk before the order can become operative.

### Births.

1911.

Number of births reported by physicians and midwives for 1911:—

Males . . . . .	770
Females . . . . .	848

A canvass of the city is at present being made under the direction of the city clerk as required by section 5, chapter 29, of the Revised Laws, to ascertain the facts required for record relative to all children born therein during the year.

As the information derived from such canvass will not be available in time sufficient for its incorporation in this report, a statement in full of the births of 1911 will be given in the city clerk's report for the year 1912.

1910.

The following is a statement in full of the births for 1910:—

Number of births (exclusive of still-births) in Somerville in 1910 registered . . . . .	1,666
Less than previous year . . . . .	42
Males . . . . .	848
Females . . . . .	818
	<hr/>
	1,666
Born of American parents . . . . .	658
Born of foreign parents . . . . .	654
Born of American father and foreign mother . . . . .	175
Born of foreign father and American mother . . . . .	169
Born of American mother and father of unknown nationality . . . . .	8
Born of foreign mother and father of unknown nationality . . . . .	2
	<hr/>
	1,666
Number of still-births in Somerville in 1910 registered . . . . .	61
Number of births in other places in 1910 registered . . . . .	237
	<hr/>
	1,964
Number of cases of twins . . . . .	18
Number of cases of triplets . . . . .	1

### Marriages.

Number of intention certificates issued in 1911 . . . . .	906
More than previous year . . . . .	73
Marriages registered . . . . .	959
More than previous year . . . . .	89

Both parties American . . . . .	525	
Both parties foreign . . . . .	229	
American groom and foreign bride . . . . .	110	
Foreign groom and American bride . . . . .	95	
	<hr/>	959 couples
First marriage of . . . . .	1,719	
Second marriage of . . . . .	191	
Third marriage of . . . . .	7	
Fourth marriage of . . . . .	1	
	<hr/>	959 couples

**Deaths.**

(Exclusive of still-births.)

Number of deaths in Somerville in 1911 . . . . .		1,035
Less than previous year . . . . .		8
Males . . . . .	489	
Females . . . . .	546	
	<hr/>	1,035
Under ten years of age . . . . .	241	
10 and under 20 years of age . . . . .	22	
20 and under 30 years of age . . . . .	55	
30 and under 40 years of age . . . . .	81	
40 and under 50 years of age . . . . .	102	
50 and under 60 years of age . . . . .	115	
60 and under 70 years of age . . . . .	165	
70 and under 80 years of age . . . . .	164	
80 and under 90 years of age . . . . .	79	
90 years of age and over . . . . .	11	
	<hr/>	1,035
Age of oldest person deceased . . . . .	96 yrs.	
Born in Somerville . . . . .	242	
Born in other places in the United States . . . . .	441	
Of foreign birth . . . . .	349	
Birthplace unknown . . . . .	3	
	<hr/>	1,035
Number of deaths in January . . . . .	93	
“ “ “ “ February . . . . .	116	
“ “ “ “ March . . . . .	97	
“ “ “ “ April . . . . .	92	
“ “ “ “ May . . . . .	81	
“ “ “ “ June . . . . .	79	
“ “ “ “ July . . . . .	99	
“ “ “ “ August . . . . .	72	
“ “ “ “ September . . . . .	74	
“ “ “ “ October . . . . .	65	
“ “ “ “ November . . . . .	79	
“ “ “ “ December . . . . .	88	
	<hr/>	1,035

The number of still-births recorded during the year was seventy-five. In addition to the above, 204 deaths which occurred elsewhere were recorded in Somerville, almost the entire number of persons deceased having been residents of this city.



## Assessed Polls and Registered Voters.

## MEN'S LISTS.

WARD.	PRECINCT.	As- sessed Polls, April 1, 1911.	REGISTERED VOTERS.							
			Nov. 23, 1910.	Re- vised Lists of July 1, 1911.	Added in Sept. and Oct., 1911.	Oct. 18, 1911.	Added in Nov., 1911.	Nov. 22, 1911.	Voted Nov. 7, 1911.	Voted Dec. 12, 1911.
Ward 1 . . .	Precinct 1 . . .	1,339	651	588	70	658	20	678	494	476
" 1 . . .	" 2 . . .	523	264	239	25	264	10	274	200	199
" 1 . . .	" 3 . . .	589	307	288	31	319	7	323	233	230
" 1 . . .	" 4 . . .	687	315	282	49	331	5	336	284	300
		3,088	1,537	1,397	175	1,572	42	1,614	1,211	1,205
Ward 2 . . .	Precinct 1 . . .	1,099	396	354	86	440	1	441	361	290
" 2 . . .	" 2 . . .	1,494	646	571	109	680	3	683	555	327
" 2 . . .	" 3 . . .	842	382	331	60	391	..	391	326	231
		3,435	1,424	1,256	255	1,511	4	1,515	1,242	848
Ward 3 . . .	Precinct 1 . . .	1,226	700	739	92	831	-1	830	696	461
" 3 . . .	" 2 . . .	1,117	761	637	54	691	9	700	569	433
		2,343	1,461	1,376	146	1,522	8	1,530	1,265	894
Ward 4 . . .	Precinct 1 . . .	1,368	820	732	71	803	7	810	617	464
" 4 . . .	" 2 . . .	1,039	626	560	66	626	10	636	508	390
		2,407	1,446	1,292	137	1,429	17	1,446	1,125	854
Ward 5 . . .	Precinct 1 . . .	1,192	929	710	107	817	-4	813	677	539
" 5 . . .	" 2 . . .	956	428	534	94	628	5	633	502	382
" 5 . . .	" 3 . . .	1,004	563	535	83	618	3	621	517	465
		3,152	1,920	1,779	284	2,063	4	2,067	1,696	1,386
Ward 6 . . .	Precinct 1 . . .	1,657	876	803	118	921	10	931	725	574
" 6 . . .	" 2 . . .	1,360	767	706	85	791	1	792	605	373
" 6 . . .	" 3 . . .	1,164	712	657	109	766	..	766	622	338
		4,181	2,355	2,166	312	2,478	11	2,489	1,952	1,285
Ward 7 . . .	Precinct 1 . . .	855	585	537	95	632	..	632	523	273
" 7 . . .	" 2 . . .	1,193	696	643	92	735	1	736	604	306
" 7 . . .	" 3 . . .	1,043	538	530	80	610	-3	607	471	234
" 7 . . .	" 4 . . .	869	560	503	88	591	-1	590	472	241
		3,960	2,379	2,213	355	2,568	-3	2,565	2,070	1,054
City . . .	. . . . .	22,566	12,522	11,479	1,664	13,143	83	13,226	10,561	7,526

WOMEN'S VOTING LISTS.

WARD.	PRECINCT.	Nov. 23, 1910.	Revised Lists of July 1, 1911.	Added in Sept. Oct. and Nov., 1911.	Nov. 22, 1911.	Voted December 12, 1911.
Ward 1 . . . . .	Precinct 1 . .	44	40	..	40	30
" 1 . . . . .	" 2 . .	4	4	2	6	5
" 1 . . . . .	" 3 . .	10	10	4	14	7
" 1 . . . . .	" 4 . .	18	16	42	58	50
		76	70	48	118	92
Ward 2 . . . . .	Precinct 1 . .	3	3	3	6	..
" 2 . . . . .	" 2 . .	4	4	3	7	..
" 2 . . . . .	" 3 . .	1	1	3	4	..
		8	8	9	17	..
Ward 3 . . . . .	Precinct 1 . .	41	37	75	112	87
" 3 . . . . .	" 2 . .	38	35	64	99	70
		79	72	139	211	157
Ward 4 . . . . .	Precinct 1 . .	19	17	..	17	1
" 4 . . . . .	" 2 . .	17	15	..	15	2
		36	32	..	32	3
Ward 5 . . . . .	Precinct 1 . .	29	19	-1	18	2
" 5 . . . . .	" 2 . .	12	17	3	20	4
" 5 . . . . .	" 3 . .	7	7	..	7	1
		48	43	2	45	7
Ward 6 . . . . .	Precinct 1 . .	54	45	194	239	221
" 6 . . . . .	" 2 . .	13	12	48	60	53
" 6 . . . . .	" 3 . .	2	2	26	28	24
		69	59	268	327	298
Ward 7 . . . . .	Precinct 1 . .	26	22	1	23	..
" 7 . . . . .	" 2 . .	109	94	..	94	7
" 7 . . . . .	" 3 . .	62	56	..	56	3
" 7 . . . . .	" 4 . .	29	26	..	26	1
		226	198	1	199	11
City . . . . .		542	482	467	949	568

## Elections.

The following is a statement of the votes cast, in the several wards of the city, for the candidates for the various offices, at the state election held November 7, 1911:—

CANDIDATE.	PARTY.	WARDS.							TOTAL.
		1	2	3	4	5	6	7	
<b>GOVERNOR.</b>									
James F. Carey,	Socialist,	33	30	21	25	29	55	40	233
Eugene N. Foss,	Democratic,	474	718	362	250	528	562	424	3,318
Eugene N. Foss,	{ Democratic Progressive,	101	164	88	82	127	150	114	826
Eugene N. Foss,	Republican,	45	57	23	14	17	18	4	178
Louis A. Frothingham,		{ Socialist Labor,	538	253	759	731	960	1,129	1,445
Dennis McGoff,	Prohibition,	1	3	2	3	2	4	5	20
Frank N. Rand,	Blank,	3	1	6	9	19	7	20	65
Blank,			16	16	4	11	14	27	18
<b>LIEUTENANT-GOVERNOR.</b>									
Walter S. Hutchins,	Socialist,	34	34	16	18	30	79	41	252
Robert Luce,	Republican,	563	247	792	778	999	1,156	1,463	5,998
William G. Merrill,	Prohibition,	5	4	6	10	68	14	26	133
Patrick Mulligan,	{ Socialist Labor,	3	9	4	3	4	7	9	59
David I. Walsh,	{ Democratic Progressive, Democratic,	559	900	422	294	562	656	499	3,892
Blank,		47	48	25	22	33	40	32	247
<b>SECRETARY.</b>									
David Craig,	{ Socialist Labor,	18	18	8	14	18	23	19	118
Frank J. Donahue,	{ Democratic Progressive, Democratic,	492	854	374	242	544	580	390	3,476
Alfred H. Evans,	Prohibition,	23	5	19	16	35	31	49	178
Rose Fenner,	Socialist,	26	23	13	20	21	32	39	174
Albert P. Langtry,	Republican,	554	239	777	780	989	1,183	1,480	6,092
Blank,		98	103	74	53	89	103	93	613
<b>TREASURER AND RECEIVER-GENERAL.</b>									
Joseph M. Coldwell,	Socialist,	31	28	16	20	26	41	36	198
Jeremiah P. McNally,	{ Socialist Labor,	7	11	4	2	8	6	6	44
Charles E. Peakes,	Prohibition,	6	4	13	14	18	11	22	88
Elmer A. Stevens,	Republican,	582	268	803	807	1,047	1,238	1,531	6,281
Augustus L. Thorndike,	{ Democratic Progressive, Democratic,	503	830	371	237	530	571	392	3,443
Blank,		82	101	53	45	67	85	83	516
<b>AUDITOR.</b>									
Karl Lindstrand,	{ Socialist Labor,	9	10	3	5	7	16	15	65
Sylvester J. McBride,	Socialist,	31	29	15	25	23	41	35	199
William W. Nash,	Prohibition,	13	6	59	15	22	27	31	173
Charles B. Strecker,	{ Democratic Progressive, Democratic,	486	824	428	250	545	593	397	3,523
John E. White,	Republican,	555	248	669	755	988	1,143	1,451	5,809
Blank,		117	125	91	75	111	132	141	792

CANDIDATE.	PARTY.	WARDS.							TOTAL.
		1	2	3	4	5	6	7	
<b>ATTORNEY-GENERAL.</b>									
George W. Anderson,	{ Democratic Progressive, Democratic,	499	831	391	257	555	593	427	3,553
Henry C. Hess,	{ Socialist Labor,	5	13	11	6	6	13	14	68
George E. Roewer, Jr.,	Socialist,	29	24	13	22	22	40	34	184
James M. Swift,	Republican,	559	251	764	781	1,009	1,170	1,490	6,024
Blank,		119	123	86	59	104	136	105	732
<b>COUNCILLOR.</b>									
Edward B. James,	Democratic,	502	839	395	247	576	607	399	3,565
Alexander McGregor,	Republican,	547	248	777	802	997	1,177	1,487	6,035
Blank,		162	155	93	76	123	168	184	961
<b>SENATOR.</b>									
Charles V. Blanchard,	Republican,	567	260	760	795	995	1,197	1,498	6,072
John H. Smith,	Democratic,	531	831	447	270	597	632	467	3,775
Blank,		113	151	58	60	104	123	105	714
<b>REPRESENTATIVES, 25TH DIST. (3)</b>									
Joseph T. Cotter,	Democratic,	484	.....	398	245	530	.....	.....	1,657
William W. Kennard,	Republican,	549	.....	735	739	945	.....	.....	2,968
Daniel B. Mulcahy,	Democratic,	416	.....	310	197	461	.....	.....	1,384
Ray R. Rideout,	Republican,	534	.....	723	752	948	.....	.....	2,957
Charles L. Underhill,	Republican,	511	.....	710	685	903	.....	.....	2,809
Frederick J. White,	Democratic,	491	.....	447	265	589	.....	.....	1,792
William M. Armstrong,		.....	.....	.....	1	.....	.....	.....	1
Blank,		648	.....	472	491	712	.....	.....	2,323
<b>REPRESENTATIVES, 26TH DIST. (3)</b>									
Zebedee E. Cliff,	Republican,	.....	207	.....	.....	.....	1,101	1,486	2,794
Leon M. Conwell,	Republican,	.....	206	.....	.....	.....	1,104	1,332	2,642
Alvah E. Dearborn,	Democratic,	.....	717	.....	.....	.....	551	412	1,680
Charles W. Eldridge,	Republican,	.....	217	.....	.....	.....	1,157	1,394	2,768
Henry C. Rowland,	Democratic,	.....	856	.....	.....	.....	552	400	1,808
Bernard J. Sheridan,	Democratic,	.....	771	.....	.....	.....	596	444	1,811
Blank,		.....	752	.....	.....	.....	795	742	2,289
<b>COUNTY COMMISSIONER.</b>									
Charles J. Barton,	Democratic,	503	838	399	253	568	606	458	3,625
Levi S. Gould,	Republican,	550	245	762	763	983	1,153	1,436	5,892
Blank,		158	159	104	109	145	193	176	1,044
<b>CLERK OF COURTS.</b>									
William C. Dillingham,	Republican,	549	249	794	809	1,047	1,210	1,529	6,187
Thomas F. Kearns,	{ Democratic Progressive, Democratic,	493	840	372	208	508	549	358	3,328
Blank,		169	153	99	108	141	193	183	1,046
<b>REGISTER OF DEEDS.</b>									
Edwin O. Childs,	Republican,	530	237	775	749	1,006	1,168	1,436	5,901
Charles Leo Shea,	Democratic,	535	831	372	269	553	555	401	3,516
Patrick H. Ryan,		.....	.....	.....	.....	1	.....	.....	1
Blank,		146	174	118	107	136	229	233	1,143



	WARDS.							TOTAL.
	1	2	3	4	5	6	7	
SHALL THE PROPOSED AMENDMENT TO THE CONSTITUTION AUTHORIZING THE USE OF VOTING MACHINES AT ALL ELECTIONS BE APPROVED AND RATIFIED?								
Number of "Yes" votes,	566	492	689	615	928	1,052	1,166	5,508
Number of "No" votes,	251	312	250	205	305	355	362	2,040
Blank,	394	438	326	305	463	545	542	3,013
SHALL THE PROPOSED AMENDMENT TO THE CONSTITUTION INCREASING THE POWER OF THE LEGISLATURE TO AUTHORIZE THE TAKING OF LAND AND PROPERTY FOR HIGHWAYS OR STREETS, BE APPROVED AND RATIFIED?								
Number of "Yes" votes,	529	445	639	577	845	993	1,136	5,164
Number of "No" votes,	278	346	269	227	339	367	349	2,175
Blank,	404	451	357	321	512	592	585	3,222
SHALL AN ACT PASSED BY THE GENERAL COURT IN THE YEAR NINETEEN HUNDRED AND ELEVEN, ENTITLED "AN ACT AUTHORIZING THE COUNTIES OF THE COMMONWEALTH TO ESTABLISH RETIREMENT SYSTEMS FOR THEIR EMPLOYEES," BE ACCEPTED?								
Number of "Yes" votes,	650	684	635	601	893	1,054	1,087	5,604
Number of "No" votes,	204	173	292	233	349	338	414	2,003
Blank,	357	385	338	291	454	560	569	2,954
SHALL AN ACT PASSED BY THE GENERAL COURT IN THE YEAR 1911, ENTITLED "AN ACT TO EXTEND THE PROVISIONS OF THE CIVIL SERVICE ACT TO CHIEFS OF POLICE OF CERTAIN CITIES AND TOWNS," BE ACCEPTED?								
Number of "Yes" votes,	539	415	608	582	874	1,004	1,131	5,153
Number of "No" votes,	311	522	385	228	394	436	402	2,678
Blank,	361	305	272	315	428	512	537	2,730

The following is a statement of the votes cast in the several wards of the city for the candidates for the various offices, and on the question of granting licenses for the sale of intoxicating liquors in this city, at the city election held December 12, 1911:—

CANDIDATE.	PARTY.	WARDS.							Total.
		1	2	3	4	5	6	7	
<b>MAYOR.</b>									
Charles A. Burns,	Republican,	604	160	583	631	826	834	820	4,458
James F. Reynolds,	{ Citizens,	569	600	290	213	544	419	215	2,910
E. S. Sparrow,	{ Democratic,							1	1
Blank,		32	28	21	10	16	32	18	157
<b>ALDERMAN-AT-LARGE, WARD 1.</b>									
William H. Smith,	Republican,	591	143	575	594	758	770	783	4,214
John J. Woods,	Democratic,	531	538	231	141	456	336	158	2,391
Blank,		83	167	88	119	172	179	113	921
<b>ALDERMAN-AT-LARGE, WARD 2.</b>									
George A. Wilson,	Republican,	593	312	604	638	855	810	828	4,640
M. W. White,						1			1
Blank,		612	536	290	216	530	475	226	2,885
<b>ALDERMAN-AT-LARGE, WARD 3.</b>									
Frank R. Dunklee,	Republican,	531	137	586	582	740	756	788	4,120
John T. A. Welch,	Democratic,	432	526	245	122	436	307	143	2,211
Blank,		242	185	63	150	210	222	123	1,195
<b>ALDERMAN-AT-LARGE, WARD 4.</b>									
Samuel P. Carrick,	Democratic,	432	498	238	144	419	327	151	2,269
Charles W. Hodgdon,	Republican,	505	124	530	596	730	709	766	3,060
Blank,		268	226	126	114	237	249	137	1,357
<b>ALDERMAN-AT-LARGE, WARD 5.</b>									
Richard F. Churchill,	Republican,	563	182	573	600	867	775	798	4,358
Daniel J. Desmond,						1			1
Blank,		642	666	321	254	518	510	256	3,167
<b>ALDERMAN-AT-LARGE, WARD 6.</b>									
Henry A. Diehl,	Democratic,	434	503	219	115	410	355	144	2,180
Joseph O. Knox,	Republican,	489	141	547	578	741	790	776	4,062
Eric Veck,							1		1
Blank,		282	204	128	161	235	139	134	1,283
<b>ALDERMAN-AT-LARGE, WARD 7.</b>									
William B. Brown,	Republican,	551	191	586	601	804	783	882	4,398
Andrew H. Crispin,					1				1
Francis J. Sullivan,						1			1
Blank,		654	657	308	252	581	502	172	3,126
<b>WARD ALDERMEN (2) WARD 1.</b>									
Ernest F. Flagg,	Democratic,	575							575
Wallace E. Loveless,	Republican,	541							541
William T. McCarthy,	Democratic,	595							595
Justin P. Nowell,	Republican,	553							553
Blank,		146							146

CANDIDATE.	PARTY.	WARDS.							TOTAL.
		1	2	3	4	5	6	7	
WARD ALDERMEN (2) WARD 2.									
Walter W. Burke,	Republican,	....	130	....	....	....	....	....	130
Edmond Russell,	Democratic,	....	619	....	....	....	....	....	619
Alfred J. Toomey,	Democratic,	....	646	....	....	....	....	....	646
Hallet R. Vroom,	Republican,	....	114	....	....	....	....	....	114
Blank,		....	187	....	....	....	....	....	187
WARD ALDERMEN (2) WARD 3.									
Oscar W. Coddling,	Republican,	....	....	537	....	....	....	....	537
Thomas J. Connors, Jr.,	Democratic,	....	....	233	....	....	....	....	233
Robert John Farrell,	Republican,	....	....	575	....	....	....	....	575
Edmund J. Twohig,	Democratic,	....	....	269	....	....	....	....	269
A. H. Hines,		....	....	1	....	....	....	....	1
Blank,		....	....	173	....	....	....	....	173
WARD ALDERMEN (2) WARD 4.									
Morley D. Cameron,	{ Progressive Citizens,	....	....	....	311	....	....	....	311
Alfred Ellis,	Democratic,	....	....	....	108	....	....	....	108
Joseph Hillson,	Republican,	....	....	....	469	....	....	....	469
Leod MacLeod,	Republican,	....	....	....	556	....	....	....	556
Blank,		....	....	....	264	....	....	....	264
WARD ALDERMEN (2) WARD 5.									
Charles A. Draper,	Republican,	....	....	....	....	690	....	....	690
Fred E. Durgin,	Republican,	....	....	....	....	653	....	....	653
John W. Hamilton,	Democratic,	....	....	....	....	508	....	....	508
James H. Maguire,	Democratic,	....	....	....	....	713	....	....	713
Blank,		....	....	....	....	208	....	....	208
WARD ALDERMEN (2) WARD 6.									
David H. Fulton,	Republican,	....	....	....	....	....	841	....	841
Fred W. Jackson,	Republican,	....	....	....	....	....	790	....	790
John M. McCarthy,	Democratic,	....	....	....	....	....	333	....	333
William J. Shanahan,	Democratic,	....	....	....	....	....	295	....	295
Blank,		....	....	....	....	....	311	....	311
WARD ALDERMEN (2) WARD 7.									
Arthur W. Glines,	Republican,	....	....	....	....	....	....	790	790
Joseph H. Perry,	Republican,	....	....	....	....	....	....	772	772
Blank,		....	....	....	....	....	....	546	546
SCHOOL COMMITTEE(2 yrs.) WARD 1.									
Elizabeth A. Sullivan,	Democratic,	571	....	....	....	....	....	....	571
Mary G. Whiting,	Independent,	587	....	....	....	....	....	....	587
Blank,		139	....	....	....	....	....	....	139
SCHOOL COMMITTEE(2 yrs.) WARD 2.									
Daniel H. Bradley,	Democratic,	....	605	....	....	....	....	....	605
George W. Pratt,	Republican,	....	146	....	....	....	....	....	146
Blank,		....	97	....	....	....	....	....	97
SCHOOL COMMITTEE(2 yrs.) WARD 3.									
John B. Dayton,	Democratic,	....	....	448	....	....	....	....	448
George E. Whitaker,	Republican,	....	....	568	....	....	....	....	568
M. A. Lincoln,		....	....	1	....	....	....	....	1
Blank,		....	....	34	....	....	....	....	34

CANDIDATE.	Party.	WARDS.							TOTAL.
		1	2	3	4	5	6	7	
SCHOOL COMMITTEE (2 yrs.) WARD 4.									
Charles A. Kirkpatrick,	Republican,	...	....	....	646	....	....	....	646
Blank,		....	....	....	211	....	....	....	211
SCHOOL COMMITTEE (2 yrs.) WARD 5.									
Henry H. Folsom,	Republican,	....	....	....	....	934	....	....	934
William F. Riley,		....	....	....	....	4	....	....	4
Rev. Thomas R. Reynolds,		....	....	....	....	2	....	....	2
Danl. W. Desmond,		....	....	....	....	1	....	....	1
Blank,		....	....	....	....	452	....	....	452
SCHOOL COMMITTEE (2 yrs.) WARD 6.									
Frederick A. P. Fiske,	Republican,	....	....	....	....	....	850	....	850
Elizabeth T. Mongan,	Democratic,	....	....	....	....	....	691	....	691
Blank,		....	....	....	....	....	42	....	42
SCHOOL COMMITTEE (2 yrs.) WARD 7.									
George Clifton Mahoney,	Republican,	....	....	....	....	....	....	910	910
Blank,		....	....	....	....	....	....	155	155
SHALL LICENSES BE GRANTED FOR THE SALE OF INTOXICAT- ING LIQUORS IN THIS CITY?									
Number of "Yes" votes,		475	513	234	136	332	328	175	2,193
Number of "No" votes,		619	248	615	658	983	875	843	4,841
Blank,		111	87	45	60	71	82	36	492



### Liquor License Question

The following is a statement of the votes, during the several years of its submission to the people, on the question of granting licenses for the sale of intoxicating liquors, in this city, together with the number of registered voters and the estimated population for each year:—

YEAR.	YES.	No.	BLANK.	REGISTERED VOTERS.	ESTIMATED POPULATION.
1881	979	1,222		3,678	26,000
1882	627	1,159		3,778	26,500
1883	767	1,343		4,407	27,000
1884	806	1,709		4,470	28,000
1885	428	1,604		3,969	*29,992
1886	214	1,321		4,089	32,000
1887	555	2,427		4,574	34,000
1888	744	2,456		5,399	36,000
1889	635	1,706	335	5,286	39,000
1890	999	2,282	409	5,556	*40,117
1891	1,054	2,598	279	5,938	43,000
1892	1,427	3,288	347	7,587	46,000
1893	1,547	2,654	218	7,943	48,000
1894	1,098	2,869	246	8,007	50,000
1895	1,854	4,708	459	8,410	*52,200
1896	1,466	3,680	332	9,379	54,000
1897	1,626	3,815	486	8,925	56,000
1898	1,595	3,501	486	8,657	57,500
1899	1,892	3,340	374	8,838	60,000
1900	1,660	3,427	321	9,620	*61,643
1901	1,579	3,295	374	9,499	63,500
1902	1,645	3,242	360	10,100	65,000
1903	2,248	4,410	550	11,346	67,000
1904	2,022	4,338	447	11,682	69,500
1905	2,483	4,660	531	11,340	*69,272
1906	2,193	5,204	582	11,571	70,000
1907	1,735	4,591	459	11,558	74,000
1908	1,780	4,760	491	12,777	75,500
1909	1,830	4,601	530	12,479	75,500
1910	1,544	3,968	365	12,522	*77,236
1911	2,193	4,841	492	13,226	80,000

\* Census.

## ORDINANCES.

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Somerville, January 1, 1912.

The following ordinances have been adopted since the passage of the Revised Ordinances of 1911:—

### No. 41.

#### **An Ordinance Relative to Sureties on Bonds.**

*Be it ordained by the Board of Aldermen of the City of Somerville, as follows:—*

Section 1. No bond given for the protection of the city, with personal surety or sureties, shall be accepted or approved until each surety has made and subscribed a statement under oath that he is worth an amount exceeding the amount of such bond over and above all liabilities and indebtedness, and the statement so made shall designate sufficient property, real or personal, to cover the requirement of the bond, and shall be kept on file with the bond in connection with which said statement is made.

Section 2. This ordinance shall take effect upon its passage.

*Approved May 26, 1911.*

### No. 42.

#### **An Ordinance Relative to the Speedy Settlement of Claims.**

*Be it ordained by the Board of Aldermen of the City of Somerville, as follows:—*

Section 1. The head of a department may, with the written approval of the mayor and the city solicitor, make settlements of claims for damages against the city. The expense so incurred shall not exceed two hundred dollars on any one claim, and shall be charged to the maintenance account of the department and may be paid by the city treasurer in anticipation of the monthly pay-roll.

Section 2. This ordinance shall take effect upon its passage.

*Approved September 15, 1911.*

### No. 43.

#### **An Ordinance Concerning Military Aid, State Aid, and Soldiers Relief,**

*Be it ordained by the Board of Aldermen of the City of Somerville, as follows:—*

Section 1. The mayor shall annually appoint, subject to confirmation by the board of aldermen, an agent to take charge of military and state aid and soldiers' relief. He shall hold his office for one year and until another shall be appointed and qualified in his stead, and may be removed and his place for the unexpired term filled at the pleasure of the mayor and aldermen.

Section 2. He shall investigate and report to the finance committee of the board of aldermen upon all applicants and beneficiaries under the statutes relating to military and state aid and soldiers' relief. He shall

investigate at least as often as once a year the cases of all such beneficiaries and report thereon to said committee.

Section 3. Military aid and soldiers' relief shall be given to beneficiaries when authorized by said committee with the approval of the mayor.

Section 4. This ordinance shall take effect on January 1, 1912.

*Approved December 29, 1911.*

#### No. 44.

#### **An Ordinance Relative to City Auditing.**

*Be it ordained by the Board of Aldermen of the City of Somerville, as follows:—*

Section 1. The auditor shall keep suitable books wherein he shall record the date and amount of every account and claim against the city, as finally allowed, designating the fund or appropriation from which the same shall be paid. He shall credit each city account with its appropriation for the financial year, and charge against the same the expenditures, as they shall from time to time be certified by him. Whenever an appropriation for any account is exhausted, he shall immediately give notice thereof to the mayor and board of aldermen, and he shall not certify any claim or account chargeable against any appropriation until the board of aldermen shall provide the means of paying the same.

Section 2. Before money is paid out of the city treasury, a pay roll therefor in writing, with detailed accounts specifying the amounts to be paid, and the persons to whom the payment is due, together with a proper classification of said expenditure, shall be delivered to the auditor by the board or officer incurring the expenditure. In case of any error or informality, the auditor shall make note of the fact, and return the account, with the objections, to the officer or board presenting the same. When the auditor has any doubt concerning the propriety or correctness of any pay roll or account, he may refuse to certify, in whole or in part, any pay roll or account on the ground that it is unlawful, unreasonable, or fraudulent, or on other grounds, and in any case he shall state in writing to the mayor, his reasons for the refusal. The auditor may require any person presenting for settlement an account against the city, to answer as to any facts relative to the justness of such account. The auditor may require every officer of the city who purchases, or supervises the purchase of material or supplies, to certify under oath that the same are necessary, and that such purchase is made without collusion and at the fair market price. He may require every foreman, superintendent, or other officer who approves a pay roll to certify under oath the accuracy of the pay roll. When the pay rolls and accounts due from the city for supplies furnished and services rendered shall have been examined and recorded by the auditor, he shall certify to the correctness of the same and present them to the mayor, who may thereupon draw his warrant on the city treasurer for the payment of the same. No such warrant shall be valid without such certificate by the auditor.

Section 3. The auditor shall countersign all the bonds, notes, and certificates of indebtedness issued for loans to the city, authorized by the board of aldermen. He shall report to the board of aldermen, during the month of January in each year, the expenditures and receipts during the preceding financial year, giving in detail the appropriations and expenditures, and the receipts from each source of income. He shall include in said report a statement of the funded debt and temporary loans, and the rates of interest thereon, and shall exhibit all the



liabilities and assets, as shown on the books in his office at the close of the financial year. He shall also make a monthly report to the mayor and to the board of aldermen and to every board and officer having charge of the expenditure of money, of the expenditures of each department for the past month, and of the amount of such appropriation remaining unexpended.

Section 4. All accounts rendered to or kept in the departments of the city shall be subject to the inspection and revision of the auditor, and shall be rendered and kept in such form as he shall prescribe. As far as in the judgment of the auditor is practicable all accounts of the city shall be kept in accordance with the classifications of the bureau of statistics of the Commonwealth.

Section 5. The auditor annually, in the month of January or February, shall certify to the mayor and to the board of aldermen the amounts under Chapter V. of the Revised Ordinances of 1911 required to be raised by taxation during the current financial year, and to the board of assessors of taxes the amounts required to be assessed under the provisions of said chapter.

Section 6. Section 4 of Chapter IV. of the Revised Ordinances of 1911 is hereby amended by striking out the whole of said section and inserting in place thereof the following: Sect. 4. All boards and officers charged with the expenditure of money shall, on or before the third day of each month, approve their respective pay rolls and the bills belonging thereto, and present them to the city auditor.

Said boards and officers shall include in their respective pay rolls all bills necessarily incurred for the actual running expenses of their several departments, together with all sums made payable by special orders of the board of aldermen, judgments of the courts, and legislative enactments; but for no other purpose except by order of said board.

The pay rolls of all employees required by law to be paid weekly shall be made up to the end of each calendar week and sent, within forty-eight hours thereafter, to the city auditor, who shall, if the pay rolls are correct, approve and send the same within twenty-four hours of the receipt thereof by him to the mayor. The mayor, if satisfied of their correctness, shall sign a warrant for the city treasurer to pay the amounts thereof, and the city treasurer may thereupon pay the same.

The pay rolls for salaries of school teachers shall be prepared by the secretary of the school committee on the last day of each four weeks for which salaries are due, and such pay rolls shall be approved by him and by said committee, and shall be sent to the city auditor, who shall, if the pay rolls are correct, forthwith approve the same. The mayor shall, if satisfied of the correctness of such pay rolls, sign a warrant for the city treasurer to pay the amounts thereof, and the city treasurer may thereupon pay the same.

Pay rolls for money to be paid on account of contracts for work begun, but not completed, shall pass through the same course as herein provided for the monthly pay rolls, except that the provisions in regard to time shall not apply thereto.

The city treasurer may, with the approval of the city solicitor, pay all judgments of the courts in anticipation of the pay rolls.

The mayor shall not, after the passage of the annual order of appropriations, draw his warrant for the payment of any sum from any account until he has ascertained that there is a sufficient amount standing to the credit of such account.

No money shall be paid from the treasury without a warrant therefor, signed by the mayor, except as otherwise provided by law or ordinance.

The city treasurer shall receive the pay rolls and bills, with the war-



rants of the mayor authorizing the payment thereof, on or before the tenth day of each month, and on the fifteenth day of each month, or, if said day shall be Sunday or a holiday, then on the first secular day following, be prepared to pay the same. He may in anticipation of the monthly action, as provided in this ordinance, pay any bond, note, or interest which may mature.

Section 7. Section 5 of said chapter is hereby amended by striking out the whole of said section and inserting in place thereof the following: Sect. 5. The several boards and officers of the city shall, as often as practicable, deliver to the city auditor for collection all accounts against persons indebted to the city, together with certified statements of the same; the city auditor, after making a record of the same, shall deliver said accounts and statements to the city treasurer for collection, and no board or officer, except the city treasurer, shall receive payment of any such account.

The city treasurer, except as in these ordinances or by law otherwise provided, shall collect and receive all water rates, debts, and other demands due the city, and his receipt shall be deemed the only valid and sufficient discharge of any such debt or demand; provided that the right of the city clerk to receive money in the performance of his duties shall not be hereby affected. The city treasurer, whenever an account is delivered to him for collection, as hereinbefore provided, shall forthwith demand payment of the same, and if any such account remains unpaid after three months, he may proceed to collect the same by legal process; or he may do so at any time within three months, if in his judgment and in that of the city solicitor the interests of the city so require.

Section 8. Section 6 of said chapter is hereby amended by striking out the whole of said section and inserting in place thereof the following: Sect. 6. The city treasurer and collector of taxes shall, under the direction of the committee on finance, keep a complete set of books as well as an accurate account of all receipts and payments in behalf of the city. The financial year shall end on the thirty-first day of December.

The city treasurer and collector of taxes shall annually give a bond or bonds, in such form as the city solicitor shall approve, with sufficient sureties, to the satisfaction of the board of aldermen, in such sum as said board may determine. Said bond or bonds shall be executed, approved, and delivered, and be accepted by said board before he enters upon the duties of his office, and within thirty days after his election. In case such bond or bonds be not given and accepted within the time herein required, the election shall be void, and a new election shall be had forthwith.

In case of the death or insolvency of any of the sureties on any bond so given, or if, from any other cause, said bond shall, in the opinion of the board of aldermen, become insufficient for the purposes for which it was given, the city treasurer and collector of taxes shall immediately give a new bond, with sufficient sureties, as hereinbefore provided; and if such new bond is not given and accepted within twenty days after notice to him, it shall be sufficient cause for removal from office.

The city treasurer shall cause all books, papers, vouchers, and documents under his care, together with all money not deposited in national banks or in savings banks or trust companies organized under the laws of Massachusetts, when not in use, to be kept in the safe and vault located in his office. He shall render such other services and furnish such other information respecting the accounts, finances, and payments of the city, as either the board of aldermen or any committee thereof may from time to time require.

Section 9. Section 7 of said chapter is hereby amended by striking out in the fifth and sixth lines the words "certificates transmitted by the city clerk as provided in this ordinance, and also."

Section 10. Section 3 of Chapter V. of said ordinance is hereby repealed.

Section 11. Section 2 of Chapter VI. of said ordinances is hereby amended by striking out the whole of said section and inserting in place thereof the following: Sect. 2. All abatements of taxes, made by the assessors, shall be recorded by them, and the record thereof shall contain the names of all persons whose taxes shall be abated in whole or in part, the amounts originally assessed, the amounts of abatements, and the reasons therefor. A statement of every abatement thus made shall be presented forthwith to the collector of taxes, and a statement of the amounts of such abatements shall be presented at the same time to the city auditor, and the aggregate amount of such abatements to the mayor annually in the month of January in each year.

Section 12. The word account as used in this ordinance shall mean any claim against the city, except bonds, coupons, notes, and scrip.

Section 13. This ordinance shall take effect January 1, 1912.

*Approved December 29, 1911.*

#### **No. 45.**

#### **An Ordinance Concerning Ashes and Offal.**

*Be it ordained by the Board of Aldermen of the City of Somerville, as follows:—*

Section 1. Section 2 of Chapter XI. of the Revised Ordinances of 1911 is hereby amended by striking out the words "and for the collection, carrying away, sale and disposal of the house offal and the ashes and house dirt of the city; provided, however, that the offal shall be sold directly to the retail purchasers, and the proceeds of the sales shall be credited to the health department account."

Section 2. The street commissioner shall attend to and have charge of the collection, carrying away, sale and disposal of the house offal and the ashes and house dirt of the city; provided, however, that the offal shall be sold directly to the retail purchasers.

Section 3. This ordinance shall take effect on January 1, 1912.

*Approved December 30, 1911.*

FREDERIC W. COOK,  
City Clerk.

## JURY LIST OF THE CITY OF SOMERVILLE.

Prepared by the Registrars of Voters May 26, 1911.

### A

Abbott, A. Warren, 80 Josephine ave., Clerk.  
Abbott, Edward D., 71 Craigie st., Painter.  
Adam, George, Jr., 5-A Evergreen ave., Wood carver.  
Adams, Charles M., Jr., 22 Highland road, Salesman.  
Adams, Roy E., 83 Perkins st., Motorman.  
Adcock, John H., 205 Highland ave., Plumber.  
Aiken, George E., 26 Tower st., Clerk.  
Aldrich, Harry M., 103 Highland road, Bookkeeper.  
Allen, Carl H., 41 Lowden ave., Clerk.  
Allen, Harry G., 16 Chester place, Salesman.  
Allen, J. Edward, 52 Hall ave., Manager.  
Alletzhauer, Frederick, 9 Wheatland st., Jeweler.  
Alls, Charles E., 118 Cedar st., Optician.  
Ames, Albert F., 17 Russell st., Stationer.  
Anderson, Guy R., 72 Broadway, Salesman.  
Anderton, William R., 6 Henry ave., Clerk.  
Anthony, Charles P., 14 Professors row, Piano teacher.  
Armstrong, Frank F., 91 Summer st., Cooper.  
Armstrong, Thomas J. G., 37 Partridge ave., Machinist.  
Arnold, Dwight E., 110 Perkins st., Plumber.  
Arnold, Henry F., 27 Crocker st., Decorator.  
Ash, Samuel T., 20 Ash ave., Moulder.  
Ashton, Albert C., 33 Columbus ave., Manufacturer.  
Ashton, Harry H., 23 Vinal ave., Salesman.  
Ashworth, Fred N., 104 Cross st., Draughtsman.  
Atherton, Frank R., 7 Walnut road, Bookkeeper.  
Atkinson, Thomas, 69 Highland road, Superintendent.  
Atwood, Arthur J., 9 Pearl st., Merchant.  
Atwood, Horace F., 38 Windsor road, Clerk.  
Atwood, William J., 375 Medford st., Buyer.  
Austin, Fred C., 30 Warner st., Printer.  
Austin, Lester D., 9 Vinal ave., No occupation.  
Avery, J. Edward, 55 Derby st., Clerk.  
Ayer, Fred C., 157 Highland ave., Lumber dealer.  
Ayles, Jesse A., 185 Highland ave., Electrical engineer.  
Aylward, William P., 5 Cameron ave., Clerk.

### B

Babbitt, Eugene, 207 Highland ave., Com. merchant.  
Babbitt, Eugene L., 207 Highland ave., Bookkeeper.  
Babcock, Cyrus W., 23 Chandler st., Box manufacturer.  
Babcock, Irving L., 36 Lowden ave., Clerk.  
Bacon, Clarence L., 448 Broadway, Milk dealer.  
Bacon, Frederick F., 20 Crocker st., Foreman.  
Bacon, Oliver, 19 Pembroke st., Accountant.  
Baker, Alpha N., 57 Winslow ave., Bookkeeper.  
Baker, Charles T., 93 Munroe st., Music teacher.  
Baker, Herbert F., 144 Summer st., Agent.  
Baker, Tennyson L., 22 Hall st., Salesman.



Baldwin, Warren J., 82 Mt. Vernon st., Real estate dealer.  
Barker, Edgar C., 12 Ellsworth st., Clerk.  
Barker, Samuel S., 91 Oxford st., Salesman.  
Barlow, Frank A., 26 Walnut road, Truckman.  
Barnard, Frank M., 95 Belmont st., Bookbinder.  
Barnard, George F., 9 Grant st., Salesman.  
Barnes, Edmund K., 77 Lexington ave., Chemist.  
Barrett, Rufus G., 115 Cedar st., Printer.  
Barrett, William W., 8 Gilson ter., Salesman.  
Barry, Garrett E., 6 Campbell park, Salesman.  
Bartlett, Albert K., 8 Delaware st., Teamster.  
Bartlett, George I., 32 Franklin st., Salesman.  
Barton, George E., 16 Crocker st., Machinist.  
Barton, Walter E., 15 Vinal ave., Salesman.  
Bates, Arthur, 45 St. James ave., Salesman.  
Bean, Henry E. W., 17 Highland ave., Foreman.  
Beattie, Joseph A., 19 Otis st., Teamster.  
Beatty, Charles S., 275 Summer st., Broker.  
Beckman, Frank W., 39 Stone ave., Freight agent.  
Belden, Lawrence A., 51 Avon st., Merchant.  
Bell, James B., 28 Sycamore st., Manager.  
Bellows, George M., 611 Broadway, Agent.  
Belt, Robert M., 124 Sycamore st., Foreman.  
Belyea, Charles T., 78 Summer st., Clerk.  
Benjamin, George H., 40 Burnside ave., Train master.  
Bennett, George H., 15 Pritchard ave., Machinist.  
Benson, Henry A., 13 Pleasant ave., Teamster.  
Benson, Oscar F., 8 Boston ave., Builder.  
Benton, Forest T., 47 Cherry st., Salesman.  
Benway, Charles H., 66 Fremont st., Real estate dealer.  
Benwell, Harry A., 98 Kidder ave., Reporter.  
Berry, Arthur W., 53 Hudson st., Carpenter.  
Berry, Charles A., 23 Cutter ave., Clerk.  
Berry, Howard C., 26 Richardson st., Machinist.  
Berry, James M., 5 Madison st., Druggist.  
Berton, John F., 154 Morrison ave., Painter.  
Bezanson, LeRoy P., 47 Laurel st., Clerk.  
Bickford, Arthur W., 4 Nashua st., Clerk.  
Bigley, William J., 157 College ave., Paper dealer.  
Bigwood, Albert E., 11 Eastman road, Printer.  
Binney, Edward A., 39-A Walnut st., Real estate dealer.  
Bishop, Arthur W., 14 Ames st., Commission merchant.  
Bishop, Coleman P., 93 Cross st., Salesman.  
Bixby, Charles M., 72 Elm st., Merchant.  
Blake, Arthur W., 131 Josephine ave., Dry goods dealer.  
Blake, Charles S., 19 Banks st., Jeweler.  
Blake, Joshua S., 74 Moreland st., Clerk.  
Blanchard, C. Frederick, 2 Curtis ave., Real estate dealer.  
Blanchard, Hallie G., 89 Yorktown st., Baggage master.  
Bliss, Winthrop R., 66 Putnam st., Insurance agent.  
Blood, Harry K., 19 Acadia park, Salesman.  
Boodry, George R., 26 Josephine ave., Type maker.  
Booker, James A., 20 Windsor road, Salesman.  
Booth, William G., 51 College ave., Designer.  
Boutillier, Ernest G., 41 Ash ave., Foreman.  
Bowen, Lorenzo W., 16 Broadway, Real estate dealer.  
Bowlby, James L., 3 Harvard place, Teamster.  
Bowler, C. Harry, 31 Elm st., Salesman.  
Boyd, Ernest H., 37 Spencer ave., Gas inspector.  
Boyer, George R., 29 Wigglesworth st., Carpenter.



Brack, Frederick, 33 Cambria st., Insur. superintendent.  
 Brackett, James F., 36 Fosket st., Broker.  
 Bradbury, John J., 52 Adams st., Provision dealer.  
 Brastow, George K., 162 Summer st., Clerk.  
 Bremner, John A., 49 Bow st., Painter.  
 Brennan, Stephen F., 70 Oxford st., Contractor.  
 Brewer, George C., 170 Summer st., Insurance agent.  
 Broadhead, William H., 36 School st., Electrician.  
 Brock, John F., 60 Ossipee road, Produce dealer.  
 Brower, William H., 25 Cambria st., Ticket seller.  
 Brown, Burton S., 706 Broadway, Accountant.  
 Brown, Duncan, 23 Cedar st., Foreman.  
 Brown, George E., 14 Grand View ave., Woolen mer.  
 Brownell, Harlow C., 43 Curtis st., Clerk.  
 Browning, Louis P., 171 Washington st., Foreman.  
 Bryant, Edgar S., 108 Bristol road, Undertaker.  
 Bryant, Oliver S., 29 Aberdeen road, Weigher.  
 Bullard, Elbridge A., 21 Kidder ave., Slate dealer.  
 Bullard, Walter H., 22 Stickney ave., No occupation.  
 Burbank, Frederick O., 63 College ave., Stable keeper.  
 Burke, James E., 41 Derby st., Real estate dealer.  
 Burke, Vincent J., 8 Homer square, Teamster.  
 Burnett, Harry B., 31 Windsor road, Bookkeeper.  
 Burns, Andrew J., 145 Albion st., Clerk.  
 Burroughs, Hamlin E., 83 Munroe st., Manager.  
 Butler, George E., 27 Walnut road, Conductor.  
 Butterworth, Elwell R., 35 Pearl st., Asst. superintendent.  
 Buttimer, Edward M., 351 Lowell st., Painter.  
 Buxton, Merrill W., 296-A Summer st., Salesman.  
 Buzzell, James H., 28 Lexington ave., Secretary.

### C

Caddy, Henry P., 18 Dartmouth st., Bookkeeper.  
 Cahalan, Charles W., 89 Heath st., Plumber.  
 Cahill, Denis J., 7-A Austin st., Real estate dealer.  
 Cain, Harry M., 194 Medford st., Clerk.  
 Caldwell, John F., 670 Somerville ave., Salesman.  
 Calkin, John B., 30 Irving st., Manager.  
 Callaghan, Eugene F., 63 Poplar st., Laborer.  
 Callaghan, Thomas J., 39 Poplar st., Yard master.  
 Callahan, John J., 5 Bradford ave., Shipper.  
 Cameron, George B., 170 Powder-house blvd., Contractor.  
 Cameron, John B., 1243 Broadway, Tailor.  
 Campbell, George C., 31 Jaques st., Mailing clerk.  
 Campbell, Henry F., 414 Medford st., Decorator.  
 Campbell, John W., 169 Highland ave., Paint dealer.  
 Canty, Stephen A., 98 Highland road, Telephone oper.  
 Carey, Edward E., 1 Homer square, Salesman.  
 Carleton, Oscar M., 7 Putnam st., Machinist.  
 Carpenter, Adelbert B., 58 Central st., Salesman.  
 Carpenter, George O., 92 Highland ave., Agent.  
 Carpenter, Tyler E., 32 School st., Clerk.  
 Carr, Eugene P., 18 Benton road, Manufac. jeweler.  
 Carr, Fred M., 12 Westwood road, Manufac. jeweler.  
 Carr, Roy W., 130 College ave., Confectioner.  
 Carrick, Samuel P., 271 Medford st., Editor.  
 Carter, Charles E., 12 Grand View ave., Train inspector.  
 Carter, Frederick P., 50 Boston st., Tool maker.  
 Carter, William W., 24 Quincy st., Machinist.

Casey, William F., 53 Beacon st., Laborer.  
 Cassidy, John E., 19 Winter st., Inspector.  
 Chaffee, Emory F., 109 Pearl st., Druggist.  
 Challis, Harry A., 114 Hudson st., Salesman.  
 Chamberlain, Charles L., 62 Cross st., Inspector.  
 Chandler, Arthur S., 45 Aldrich st., Painter.  
 Chandler, Harry S., 45 Jaques st., Chemist.  
 Chapin, Alonzo B., 11 Mystic st., Collector.  
 Chapin, Charles M., 55 Fairmount ave., Editor.  
 Chase, Charles C., 32 Grant st., Manager.  
 Cheever, Albert S., 6 Aldersey st., Superintendent.  
 Cheney, Frederick E., 11 Oakland ave., Grocer.  
 Chickering, William H., 15 Evergreen ave., Clerk.  
 Chisholm, Duncan J., 3 Adrian st., Insurance agent.  
 Choate, Melville E., 63 Walnut st., Clerk.  
 Christie, Alexander B., 159 Glen st., Teamster.  
 Church, Warren H., 30 Warner st., Auditor.  
 Clapp, Percy B., 48 Hancock st., Draughtsman.  
 Clark, Alton L., 22 Bonner ave., Plumber.  
 Clark, Charles W., 21 Westminster st., Salesman.  
 Clark, George F., 13 West st., Bill clerk.  
 Clark, George W., 65 Central st., Baker.  
 Clark, Wilmer B., 20 Main st., Clerk.  
 Clement, Otis S., 160 Highland ave., Clerk.  
 Clifford, Rupert F., 54 Willow ave., Tea blender.  
 Cobb, William E., 92 Bay State ave., Bookkeeper.  
 Coburn, Fred L., 47 Mt. Vernon st., Printer.  
 Colby, Walter F., 13 Stickney ave., Salesman.  
 Cole, Charles E., 61 Ossipee road, Salesman.  
 Cole, Herbert A., 34 Pearl st., No occupation.  
 Coleman, Joseph M., 95-A Prospect st., Machinist.  
 Comstock, Milo M., 9 Burnside ave., Salesman.  
 Conant, Albert F., 7 Cambria st., Salesman.  
 Conant, Clarence T., 147 Hudson st., Milk dealer.  
 Conant, William C., 28 Central st., Merchant.  
 Connell, Edwin, 150 Pearl st., Plumber.  
 Connor, Michael J., 10 Columbus ave., Tailor.  
 Cook, George A., 72 Jaques st., Machinist.  
 Cook, John D., 80 Irving st., Carpenter.  
 Cooper, Francis P., 95 Flint st., Engraver.  
 Copithorne, Forrest O., 15 James st., Salesman.  
 Copithorne, George A., 92-R School st., Clerk.  
 Corbett, Thomas H., 21 Prescott st., Clerk.  
 Corliss, Charles H., 36 Greenville st., Butter merchant.  
 Corner, Frank B., 19 Highland road, Salesman.  
 Corwin, Charles J., 195 Highland ave., Auditor.  
 Corwin, Charles R., 169 Summer st., Poultry dealer.  
 Cotter, John, 17 Hathorn st., Foreman.  
 Cotter, Michael L., 11 Tufts st., Wrecking master.  
 Cotter, William F., 76 Sacramento st., Conductor.  
 Countway, Francis A., 28 Robinson st., Manager.  
 Cowan, John F., 332 Summer st., Printer.  
 Crawford, James A., 26 Eastman road, Carpenter.  
 Crenner, Bartlett P., 61 Adams st., Leather dealer.  
 Crocker, Charles F., 42 Curtis st., Grocer.  
 Cronin, John J., 47 Bow st., Clerk.  
 Crowell, Albert F., 53 Rogers ave., Head bookkeeper.  
 Crowell, Austin, 22 Walnut st., Tailor.  
 Crowell, Cutler C., 85 Benton road, Printer.

Crowley, Daniel J., 63 Lawrence st., Grocer.  
 Cummings, Cecil H., 19 Robinson st., Fruit dealer.  
 Cummings, Frederick O., 9 Virginia st., Clerk.  
 Curtin, Arthur H. R., 15 Carlton st., Foreman.  
 Curtis, Harry W., 33 Fenwick st., Agent.

**D**

Dalton, Charles H., 13 Thorndike st., Clerk.  
 Dalton, James H., 39 Hall ave., Grocer.  
 Daly, Charles E., 6 Joy st., Collector.  
 Darby, Frederick C., 48 Mystic ave., Foreman.  
 Dardis, John F., 307 Washington st., Furniture finisher.  
 Davenport, Howard H., 86 Munroe st., Secretary.  
 Davis, Henry C., Jr., 108 Packard ave., Accountant.  
 Davis, James, 85 Chandler st., Grocer.  
 Davison, George Melville, 59 Victoria st., Steam fitter.  
 Dawson, Howard, 70 Albion st., Clerk.  
 Day, John, 100 Fremont st., Musician.  
 Dean, Clarence H., 26 Lowden ave., Foreman  
 Dedrick, Clarence H., 94 Josephine ave., Clerk.  
 Dellea, John J., 26 Otis st., Teamster.  
 Delorme, George F., 29 Trull st., Metal plater.  
 Despeaux, George W., 46 Burnside ave., Collector.  
 Dickey, William E., 33 Bromfield road, Salesman.  
 Dillaby, Charles P., 34 Banks st., Architect.  
 Dinsmore, Fred C., 8 Arthur st., Furniture mover.  
 Dixon, David J., 253 Summer st., Painter.  
 Dobinson, William J., 22 Greene st., Photo engraver.  
 Dodge, Edwin G., 21 Benedict st., Artist.  
 Dodge, Waldo E., 9 Boston ave., Clerk.  
 Doherty, Cornelius A., 15-A Cross st., Milkman.  
 Doherty, George L., 55 Partridge ave., Undertaker.  
 Donaldson, George M., 46 Paulina st., Manager.  
 Donnell, Eugene D., 112 Packard ave., Real estate agent.  
 Donovan, John G., 34 Putnam st., Broker's clerk.  
 Dooling, David H., 306 Washington st., Painter.  
 Dore, Oliver, 6 Fountain ave., Agent.  
 Doten, Herbert W., 115 Glenwood road, Desk manufac.  
 Doty, Clark, 113 Glen st., Foreman.  
 Dougherty, John E., 7 Oak st., Shipper.  
 Douglas, Charles E. M., 144 Lowell st., Salesman.  
 Downing, Charles W., 37 Bay State ave., Diamond sales.  
 Doyle, Edgar W., 29 Berkeley st., Printer.  
 Drew, Frank M., 18 Park ave., Electrician.  
 Drouet, E. Charles, 66 Walnut st., Real estate dealer.  
 Dudley, Joseph A., 42 Lowden ave., Bookkeeper.  
 Duhig, John M., 50 Vinal avenue, Printer.  
 Duncan, John, 2 Brastow ave., Manufacturer.  
 Dunham, Harry A., 496 Medford st., Grocer.  
 Durgin, Fred E., 52 Albion st., Electrician.  
 Dyer, Charles W., 158 Walnut st., Carpenter.  
 Dykeman, William A., 60 Marshall st., Architect.

**E**

Earle, Clarence E., 48 Banks st., Printer.  
 Easter, William A., 27 Milton st., Electrician.  
 Eastman, Ulysses G., 53 Pritchard ave., Carpenter.  
 Eaton, Arthur W., 12 Westminster st., Floor walker.



Eaton, Charles H., 5 Ellsworth st., Teamster.  
 Eaton, Paul S., 855 Broadway, Druggist.  
 Edgerly, Frank C., 17 Veazie st., Milk dealer.  
 Edgerton, Earle B., 157 Lowell st., Editor.  
 Edson, Charles A., 9 Dana st., Confectioner.  
 Edwards, Edward H., 10 James st., Chiropodist.  
 Egerton, Charles S., 63 Boston st., Tobacco dealer.  
 Eich, John W., 32 Holyoke road, Chemist.  
 Ela, William E., 106 Josephine ave., Printer.  
 Eldridge, George V., 14 Oak st., Plumber.  
 Eldridge, George W., 89 Lowell st., Merchant.  
 Eldridge, Washington F., 482 Medford st., Salesman.  
 Elie, Rudolph F., 35 Fenwick st., Salesman.  
 Elkins, Edward J., 30 Maple st., Teamster.  
 Elkins, John F., 142 Medford st., Contractor.  
 Elliott, Waldo F., 9 Montgomery ave., Manager.  
 Emery, Everett C., 9 Columbus ave., Bookkeeper.  
 Emery, Raymond D., 39 Bartlett st., Salesman.  
 Epps, Charles A., 27 Charnwood road, Clerk.  
 Estey, Clarence A., 16 Highland ave., Clerk.  
 Etheridge, Herbert G., 14 Aldersey st., Auditor.  
 Eustace, James D., 205 Broadway, Agent.  
 Evans, Charles H., 79 Beacon st., Printer.  
 Everett, George T., 21 Pembroke st., Clerk.  
 Ewing, Joseph A., 296½ Broadway, Clerk.

**F**

Fairfield, Herbert E., 12 Lovell st., Bookkeeper.  
 Fairhurst, Thomas, 59 Lowell st., Chief clerk.  
 Fales, Elisha B., 746 Broadway, Bookkeeper.  
 Fales, Silas P., 120 Central st., Beef dealer.  
 Farmer, Luke W., 92 Thurston st., Manufacturer.  
 Farr, William I., 179 Albion st., Cabinet maker.  
 Farrar, Willard S., 12 Adams st., Insurance agent.  
 Farrell, Robert J., 21 Avon st., Tea merchant.  
 Fash, Reuben A., 14 Wheeler st., Ice cream dealer.  
 Fay, Francis H., Jr., 105 Linwood st., Shipper.  
 Felch, Lewis E., 10 Giles park, Storekeeper.  
 Fenelon, Charles P., 36 Beacon st., Clerk.  
 Fenelon, J. Robert, 45 Union square, Real estate agent.  
 Felt, Irwin S., 36 Bay State ave., No occupation.  
 Felt, Jonathan B., 41-B Gilman st., Produce dealer.  
 Ferguson, Herbert J., 12 Ibbetson st., Clerk.  
 Fermoyle, William J., 11 Pleasant ave., Painter.  
 Fernald, Edgar A., 140 Central st., Fish dealer.  
 Fickinger, Frank A., 76 Winslow ave., Broker.  
 Fillebrown, Arthur M., 15 Buckingham st., Machinist.  
 Fillmore, Willard P., 19 Conwell st., Carpenter.  
 Finney, Nathaniel G., 632 Somerville ave., Painter.  
 Fish, Benjamin F., Jr., 24 Boston st., Harness maker.  
 Fish, Delos D., 57 Packard ave., Contractor.  
 Fisher, Henry W., 46 Highland ave., Engraver.  
 Fitch, George B., 19 Dow st., Tailor.  
 Fitch, Nathan H., 21 Wheeler st., Salesman.  
 Fitz, Charles E., 43 Thurston st., Hay and grain dealer.  
 FitzGerald, James B., 21 Oak st., Shipper.  
 FitzGerald, William H., 36 Oliver st., Bookkeeper.  
 Fitzpatrick, Timothy J., 318 Washington st., Foreman.  
 Flagg, Ernest F., 137 Medford st., Painter.



Fleming, David, 237-A Highland ave., Grocer.  
 Fleming, William, 73 Florence st., Printer.  
 Fletcher, Francis E., 17 Kidder ave., Fruit dealer.  
 Fletcher, Willis H., 5 Pearson road, Manager.  
 Flint, Frederick W., 19 Hinckley st., Painter.  
 Flint, Lester E., 22 Dover st., Manager.  
 Flynn, Joseph Edward, 31 Linden st., Clerk.  
 Fogerty, John F., 118 Bartlett st., Foreman.  
 Ford, Charles S., 11 Grove st., Directory canvasser.  
 Ford, Patrick J., 184 Somerville ave., Laborer.  
 Fortin, George F., 13 Quincy st., Painter.  
 Foster, Herbert G., 15 Greenwood ter., Clerk.  
 Foster, John B., 66 Irving st., Artist.  
 Foster, Willie F., 56 Curtis st., Bookkeeper.  
 Fowler, Frank L., 181 Powder House blvd., Printer.  
 Francis, J. Arthur, 100 Broadway, Clerk.  
 Frazee, John Anslie, 15 Oxford st., Lithographer.  
 Freeman, Ebenezer S., 28 Campbell park, Fish dealer.  
 Freeman, Frederick S., 22 Tower st., Candy maker.  
 French, James M., 60 Adams st., Ticket agent.  
 Freeze, Frank E., 89 Ossipee road, Furniture dealer.  
 Frisbie, Percy C., 75 Ossipee road, Bookkeeper.  
 Frost, J. Edward, 12 Albion st., Clerk.  
 Frost, Thomas, 47 Pearl st., Foreman.  
 Frye, Daniel M., 222 Highland ave., Secretary.  
 Fryer, John J., 29 Hall ave., Bookkeeper.  
 Fuller, Charles W., 35 Montrose st., Foreman.  
 Fuller, George F., 20 Park ave., Salesman.  
 Fuller, Henry M., 26 Everett ave., Clerk.  
 Furlong, Arthur W., 42 Greenville st., Ticket agent.  
 Fyfe, Charles S., 14 Albion st., Shirt maker.

## G

Gage, B. Raymond, 43 Evergreen ave., Agent.  
 Gage, Sewall J., 96 Sycamore st., Collector.  
 Garland, Charles T., 158 Pearl st., Coal dealer.  
 Garratt, Russell Newton, 98 Packard ave., Salesman.  
 Garrett, Frank R., 226 Elm st., Grocer.  
 Gazeley, Arthur E., 94 Marshall st., Asst. secretary.  
 Geddes, James, 88 Munroe st., Manager.  
 Gibby, Adam H., 200 Summer st., Electrician.  
 Gibby, Frank L., 42 Montrose st., Bookkeeper.  
 Gibby, S. James, 42 Montrose st., Clerk.  
 Gilbert, Frank A., 84 Lexington ave., Druggist.  
 Giles, Howard S., 24 Webster st., Clerk.  
 Gill, William T., 15 Fountain ave., Undertaker.  
 Gillis, Daniel B., 27 Willow ave., Builder.  
 Gilmore, Horace E., 43 Heath st., Salesman.  
 Gilmore, Solon E., 33 Crocker st., Undertaker.  
 Gleason, John L., 17 Dow st., Electrical contractor.  
 Glover, Ellis H., 36 Tufts st., Salesman.  
 Goddard, Charles E., 7 Wheeler st., Manager.  
 Godey, Frederick C., 4 Ivaloo st., Roofer.  
 Godfrey, Walter J., 14 Harvard place, Painter.  
 Goebel, John W., 90 Pearson ave., Manager.  
 Gohring, Leander H., 10 Billingham st., Printer.  
 Golden, Isaac, 9 Crown st., Merchant.  
 Golden, Joseph F., 24 Bay State ave., Salesman.  
 Good, Richard Y., 30 Brastow ave., Salesman.

Goodrich, Wilbur F., 10 Gibbens st., Civil engineer.  
 Goodwin, Charles O., 54 Benton road, Salesman.  
 Gordon, Harry W., 88 Ossipee road, Bookkeeper.  
 Gordon, Walter P., 400 Mystic ave., Poultry dealer.  
 Goss, William E., 30 Oxford st., Architect.  
 Gould, William T., 65 Pearson ave., Electrician.  
 Gove, George H., 14 Wesley st., Civil engineer.  
 Grace, William B., 85-A Partridge ave., Provision dealer.  
 Grady, Dennis, 327 Lowell st., Tailor.  
 Graham, Alfred L., 444 Medford st., Clerk.  
 Graham, James L., 13 Morton st., Salesman.  
 Grant, Robert M., 23 Rush st., No occupation.  
 Graves, David B., 17 Rogers ave., Clothing dealer.  
 Graves, Frank W., 27 Winslow ave., Inspector.  
 Gray, Chester A., 23 Webster st., Timekeeper.  
 Gray, Daniel Elmore, 75 Lowden ave., Manager.  
 Gray, John H., 44 Marshall st., Photographer.  
 Green, J. Rush, 11 Cambria st., Manufacturer.  
 Greene, Frederick A., 5 Essex st., Real estate dealer.  
 Greene, Joseph M., 7 Cutter park, Real estate agent.  
 Gridley, Joseph, 179 Highland ave., Restaurant keeper.  
 Grieves, William W., 57 Dartmouth st., Clerk.  
 Grover, Mazina S., 30 Bay State ave., Asst. foreman.  
 Grover, Nelson H., 26 Oxford st., Agent.  
 Groves, Leander F., 9 Eastman road, Plumber.  
 Guild, Julius J., 325 Washington st., Salesman.  
 Gustin, Herbert I., 80 Benton road, Fruit dealer.

## H

Hackett, James A., 20 Atherton st., Telephone operator.  
 Hadley, Norris E., 35 Conwell ave., Draughtsman.  
 Hadley, Walter M., 24 Hathorn st., Real estate dealer.  
 Hagar, George N., 8 Waterhouse st., Insurance agent.  
 Hager, John M., 27 Walter st., Milkman.  
 Haines, Alonzo M., 63 Berkeley st., Insurance agent.  
 Hale, Alfred J., 54 Partridge ave., Clerk.  
 Haley, Joseph A., 7 Linden st., Printer.  
 Hall, Charles E., 164 Broadway, Shipper.  
 Hall, Frederic D., 26 Dartmouth st., Electrician.  
 Hall, George G., 89 Cross st., Printer.  
 Hall, Harley E., 22 Pleasant ave., Stable keeper.  
 Hall, Ira L., 25 Joseph st., Mechanic.  
 Hall, Roy, 102 Glenwood road, Bookkeeper.  
 Halnan, Frederick J., 12 Holyoke road, Drug clerk.  
 Ham, Arthur E., 15 Waldo st., Salesman.  
 Hamilton, Alexander M., 219 Summer st., Carver.  
 Hamilton, George L., 24 Spencer ave., Adv. manager.  
 Hamilton, John R., 7 Morgan st., Agent.  
 Handy, Daniel N., 78 Oxford st., Librarian.  
 Handy, Otis A., 25-A Moreland st., Printer.  
 Haney, Joseph G., 31 Fountain ave., Clerk.  
 Hanna, William F., 30 Fenwick st., Printer.  
 Harding, William F., 330-A Highland ave., Adv. Clerk.  
 Harmer, James T., 18 Adams st., Street railway president.  
 Harmon, Charles H., 163 Willow ave., Clerk.  
 Harmon, Fred E., 21 Cross st., Teamster.  
 Harrington, Arthur D., 26 Oak st., Salesman.  
 Harrington, Enos B., 31 Holyoke road, Granite worker.  
 Harrington, John M., 27 Joseph st., Bookkeeper.

Harrington, Wendell P., 47 Cedar st., Clerk.  
Harris, Robert C., 63 Newton st., Florist.  
Harrison, Charles J., 55 Wheatland st., Salesman.  
Hart, Charles J., 38 Bay State ave., Optician.  
Hartwell, Haywood, 77 Munroe st., Builder.  
Haskell, Albert L., 60 Putnam st., Printer.  
Haskell, William H., 212 Holland st., Plumber.  
Hastings, Herbert A., 17 Pleasant ave., Conductor.  
Hatch, Arthur E., 46 Browning road, General manager.  
Hatch, Selden L., 79 Benton road, Truckman.  
Hathaway, William T., 27 Pearson road, Bookkeeper.  
Hayden, Robert V., 29 Linden ave., Carpenter.  
Hayes, George E., 82 Willow ave., Salesman.  
Hayes, Walter A., 15 Wellington ave., Salesman.  
Hayward, John G., 5 Windon st., Trustee.  
Heald, Almon F., 212 Highland ave., Fruit broker.  
Heald, Francis, 44-A Spencer ave., Furnishings dealer.  
Hellmann, Charles W., 400 Medford st., Salesman.  
Hemingway, Hermon S., 8 Oakland ave., Bookkeeper.  
Henderson, Charles P., 61 Rogers ave., Hatter.  
Henderson, Herbert L., 28 Billingham st., Iron mer.  
Henderson, Joseph J., 242 Summer st., Clerk.  
Hersey, Charles H., 30 Pembroke st., Provision dealer.  
Heustis, Harry H., Jr., 23 Chester ave., Station master.  
Hibbard, John P., 30 Cambria st., Optician.  
Hicks, Carlton, 8 Charnwood road, Freight agent.  
Higgins, Byron E., 243 School st., Mason.  
Higgins, Clarence A., 57 Concord ave., Shipper.  
Higgins, Frederick A., 25 Berkeley st., Typesetter.  
Higgins, Morton C., 8 Williams court, Carpenter.  
Hight, Chauncey L., 11 Forster st., Salesman.  
Hill, Allen Philip, 155 Sycamore st., Harness dealer.  
Hill, Arthur B., 17 Norwood ave., Musician.  
Hill, Burton W., 8 Munroe st., Machinist.  
Hilliard, Ernest W., 30 Line st., Shipper.  
Hills, Arthur T., 8 Teele ave., Real estate dealer.  
Hills, William H., 41 Belmont st., Journalist.  
Hilton, Sylvester C., 39 Nashua st., Printer.  
Hobbs, Fred A., 3 Lincoln place, Clerk.  
Hodge, Charles W., 26 Billingham st., Bookkeeper.  
Hodgkins, Edward S., 139 Orchard st., Clerk.  
Hoit, Edward P., 275 Highland ave., Fish dealer.  
Hoitt, Edward D., 32 Farragut ave., Auditor.  
Holland, Charles J., 30 Aldrich st., Paper hanger.  
Holland, William L., 30 Aldrich st., Printer.  
Hollis, George O., 45 Marshall st., Milkman.  
Holmes, Frank H., 29-A Veazie st., Superintendent.  
Holmes, Fredrick M., 22 Maple ave., Salesman.  
Holmes, Ralph N., 67 Lexington ave., Electrician.  
Holmes, Samuel, 49 Thurston st., Marketman.  
Holt, Arthur T., 41 Laurel st., Chauffeur.  
Holt, Harry E., 82 Ossipee road, Salesman.  
Holyoke, Arthur H., 24 Windom st., Pattern maker.  
Hood, Charles H., 2 Benton road, Milk dealer.  
Hood, Edward J., 45 Walnut st., Milk contractor.  
Hooper, Harry A., 41 Munroe st., Roofer.  
Hopkins, Charles O., Jr., 268 Willow ave., Clerk.  
Hopkins, Willis F., 10 Lee st., Manager.  
Horton, Clarence W., 48 Irving st., Asst. manager.



Hosmer, Ralph H., 51 Mt. Vernon st., Poultry dealer.  
 Houghton, Edgar W., 20 Gilman ter., Manager.  
 Howard, Charles W., 54 Spring st., Provision dealer.  
 Howard, Edmund T., 58 Bow st., Bookkeeper.  
 Howard, Eugene P., 11 Hall ave., Salesman.  
 Howard, John, 25 Windsor road, Foreman.  
 Howe, Otis W., 1 Kensington ave., Tailor.  
 Hoyt, Fred A., 73 Chandler st., Superintendent.  
 Hubbard, Curtis A. L., 22 Fremont st., Salesman.  
 Hubbard, Harry H., 40 Marshall st., Laundry agent.  
 Hudson, George H., 11 Evergreen ave., Auto. dealer.  
 Huff, Wilbur S., 55 Bartlett st., Bookkeeper.  
 Hughes, Charles W., 267 Highland ave., Painter.  
 Hulsman, Chester R., 7 Alston st., Salesman.  
 Humphrey, Wallace M., 21 Winter st., Yard master.  
 Humphrey, Walter E., 50 Albion st., Clerk.  
 Hunt, Clayton S., 101 Hancock st., Stock broker.  
 Hunter, Robert B., Jr., 114 Rogers ave., No occupation.  
 Hurn, George F., 7 Oakland ave., Carpet cleaner.  
 Huse, A. Alonzo, 7 Tower st., Treasurer.  
 Hutchins, Charles K., 24 Wesley park, No occupation.  
 Hutchinson, Samuel J., 43 East Albion st., Clerk.  
 Hyde, Joseph W., 31 Sewall st., Salesman.

## I

Ingalls, George A., 61 Pearl st., Broker.  
 Ingham, John S., 27-B Summer st., Clerk.  
 Inman, Allan C., 89 Josephine ave., Secretary.  
 Ireland, George H., 28 Appleton st., Blacksmith.  
 Ireland, Olin F., 734 Broadway, Wool finisher.  
 Irving, Edward T., 34 Moore st., Driver.  
 Irwin, John D., 22 Claremon st., Coppersmith.

## J

Jackson, Arthur J., 274 Willow ave., Salesman.  
 Jackson, Arthur W., 160 Lowell st., Clerk.  
 Jackson, Edwin A., 31 Delaware st., Clerk.  
 Jackson, Fred W., 166 Lowell st., Salesman.  
 Jackson, Horace W., 108 Liberty ave., Heating cont'r.  
 Jackson, William L., 27 College avenue, Cloth. salesman.  
 Jacobs, Charles E., 39 Benton road, Provision dealer.  
 James, George F., 66 Mystic ave., Teamster.  
 James, Williams B., 16 Westwood road, Poultry dealer.  
 Janes, George Francis, 63 Evergreen ave., Salesman.  
 Janvrin, George L., 12 Kensington ave., Jeweler.  
 Jaques, George T., 43 Temple st., Teamster.  
 Jelley, William J., 77 Moreland st., Laborer.  
 Jenkins, J. Stewart, 87 Bartlett st., Salesman.  
 Jenness, Walter G., 103 Pearson ave., Lumber dealer.  
 Jennings, Chester R., 22 Cedar st., Clerk.  
 Johnson, Albert H., 18-A Broadway, Baggage master.  
 Johnson, Arthur H., 128 Powder House Blvd., Salesman.  
 Johnson, Frank O., 436 Medford st., Plumber.  
 Johnson, John, 77 Pearl st., Stable keeper.  
 Johnson, Robert S., 22 Woodbine st., Clerk.  
 Johnson, Walter M., 48 Tennyson st., Salesman.  
 Joiner, Alexander J. M., 48 Hudson st., Manager.  
 Jolley, Joseph H., 57 Bromfield road, Secretary.  
 Jones, Amos P., 6 Highland ave., Clerk.



Jones, Carroll Q., 33-A Jaques st., Bookkeeper.  
 Jones, Fred B., 18 Bromfield road, Manager.  
 Jones, Guy E., 208 Holland st., Electrical engineer.  
 Jones, Ralph P., 141 Powder House blvd., Manager.  
 Joslyn, Will C., 37 Banks st., Salesman.  
 Jouett, Fred W., 27 Chester st., Salesman.  
 Joyce, Richard V., 126 Orchard st., Salesman.

### K

Kane, Thomas H., 28 Fellsway West, Salesman.  
 Kaula, Charles H., 38 Richdale ave., Clerk.  
 Kaulback, Sumner T., 34 Highland road, Foreman.  
 Kauler, John E., 139 Perkins st., Undertaker.  
 Keach, Charles A., 34 Lowden ave., Bookkeeper.  
 Keay, Fred E., 153 College ave., Editor.  
 Keddy, Thomas A., 35 Josephine ave., Egg salesman.  
 Keeie, Charles W., 191 Pearl st., Bookkeeper.  
 Keene, Charles H., 12-A Kensington ave., Foreman.  
 Kegler, Albert G., 34 Lowden ave., Clerk.  
 Kegler, Frederick G., 34 Lowden ave., Contract agent.  
 Keith, Henry V., 65 Bromfield road, Bookkeeper.  
 Kelley, Charles F., 62 Highland ave., Salesman.  
 Kelley, John B., 250 Willow ave., Monotype operator.  
 Kelley, Robert H., 962 Broadway, Printer.  
 Kendall, Edward J., 349 Summer st., Potato dealer.  
 Kendall, Phillip S., 41 Russell st., Milk dealer.  
 Kendall, Warren C., 186 Central st., Secretary.  
 Kennamon, Thomas W., 47 Main st., Teamster.  
 Kennedy, James J., 43 Dartmouth st., Truckman.  
 Kenney, Oliver G., 10 Franklin ave., Salesman.  
 Keys, Charles A., 6 Adams st., Butter dealer.  
 Keyes, George R., 17 Everett ave., Salesman.  
 Kidder, Charles A., 100 Central st., Salesman.  
 Kilton, William F., 9 Upland park, Grocery clerk.  
 Kindred, George L., 18 Windsor road, Printer.  
 King, Charles R., 9 Prospect Hill ave., Grocer.  
 Kingman, Herbert S., 14 Westwood road, Butter dealer.  
 Kingston, Thomas H., 45 Banks st., Clerk.  
 Kinney, Edgar L., 92 Sycamore st., Bookkeeper.  
 Knell, Frederick G., Jr., 84 Holland st., Frame manufac.  
 Knight, Charles, 172 Summer st., Bond salesman.  
 Knight, Perley H., 20 Preston road, Printer.  
 Knight, William E., 425 Norfolk st., Clerk.  
 Knowlton, Edward B., 35 Morrison ave., Pattern maker.  
 Kramer, Everett A., 26 Madison st., Shipper.  
 Kuhn, William H., 227 Summer st., Clerk.  
 Kyte, John A., 47 Main st., Druggist.

### L

Ladd, George W., 14 Elston st., Blacksmith.  
 Laighton, Everett W., 43 Montrose st., Clerk.  
 Lailer, Waldo H., 359 Medford st., Salesman.  
 Lakin, George W., 215 College ave., No occupation.  
 Lamb, Richard, 33 Vinal ave., Salesman.  
 Lambert, Frank S., 10 Cross st., Painter.  
 Lamont, George H., 13 Conwell ave., Provision dealer.  
 LaMoire, William T., 74 Boston st., Freight agent.  
 Land, Lawrence P., 60 Marshall st., Bookkeeper.  
 Lander, Carl W., 75 School st., Mailer.

Lane, Edward A., 20 Wyatt st., Salesman.  
 Lane, George B., 65 Bromfield road, Restaurant keeper.  
 Lane, Theron H., 88 Orchard st., Merchant  
 Langdon, Harry, 41 Sargent ave., Druggist.  
 Lappen, John E., 7 Henderson st., Rubber shoe maker.  
 Laskey, Frank S., 25 Boston st., Bookkeeper.  
 Lawrence, Carl B., 8 Miner st., Bookkeeper.  
 Lawson, Warren G., 101 Summer st., Clerk.  
 Leach, Sanford H., 84 Highland ave., Salesman.  
 Learned, Willis L., 27 Cambria st., Civil engineer.  
 Leary, John J., 23 Knowlton st., Shipper.  
 Leathe, Arthur H., 254 Highand ave., Foreman.  
 Leathers, Harry H., 7 Greenville ter., Mechan. engineer.  
 Leavitt, William E., 50-B Oliver st., Clerk.  
 Leavitt, Frank W., 468 Somerville ave., Carriage manu.  
 Lee, Harry S., 50 Madison st., Salesman.  
 Leitch, Samuel, 93 Liberty ave., Salesman.  
 Leland, John D., 34 Irving st., Foreman.  
 Lewis, Alfred H., 98 Packard ave., Bookkeeper.  
 Lewis, Andrew R., 48 Kidder ave., Builder.  
 Lewis, Frank B., 30 Aberdeen road, Machinist.  
 Lewis, Wayland H., 15 Westwood road, Treasurer.  
 Leydon, Michael J., 43 Hancock st., Mason.  
 Lheureux, Joseph N., 24 Garrison ave., Salesman.  
 Libby, George R., 61 Hall ave., Stationer.  
 Lillie, Raymond W., 446 Medford st., Salesman.  
 Lincoln, Rollin T., 40 Harvard st., Stock broker.  
 List, James G., 19 Tufts st., Gold beater.  
 Litchfield, Harry W., 181 Broadway, Milk dealer.  
 Littlefield, Thatcher E., 71 Bay State ave., Lumber dealer.  
 Lloyd, William C., 104 Holland st., Expressman.  
 Locatelli, John E., 50 Lowell st., Contractor.  
 Locke, George H., 22 Montrose st., Salesman.  
 Locke, Stephen S., 11 Prospect Hill ave., Marketman.  
 Lombard, John H., 15 Walnut road, Teamster.  
 Lombard, Peter J., 6 Rush st., Foreman.  
 Long, Alonzo G., 96 Glenwood road, Auditor.  
 Long, John H., 113 School st., Teamster.  
 Lord, Edmund B., 52 Winslow ave., Wood worker.  
 Lord, Francis H., 45 Avon st., Clerk.  
 Lord, Guy M., 69 Chandler st., Optician.  
 Loring, Robert B., 45 Tennyson st., Bookkeeper.  
 Lothrop, Herbert A., 217 College ave., Printer.  
 Loudon, Thomas, 81 School st., Salesman.  
 Lovejoy, George H., 167 Highland ave., Warehouseman.  
 Loveland, Charles M. N., 898 Broadway, Stenographer.  
 Lovell, Willard C., 51 Fairmount ave., Musician.  
 Lovering, Edward P., 16 Howe st., Mason.  
 Lovering, Everett L., 48½ Prescott st., Piano tuner.  
 Lovering, Harry F., 25 Cottage ave., Map mounter.  
 Lovering, Minot D., 12 Gilman ter., Grocer.  
 Lovett, Arthur L., 42 Cedar st., Salesman.  
 Lowell, Charles W., 53 Francesca ave., Produce dealer.  
 Lowell, Frank M., 42 Aldrich st., Real estate dealer.  
 Lowell, James S., 37 Harvard st., Superintendent.  
 Lunt, Fred E., 24 Hall ave., Bookkeeper.  
 Lussier, George A., 40 Raymond ave., Decorator.  
 Lyford, Frank D., 20 Lincoln ave., Carpenter.  
 Lynch, Bartholomew, 120 Walnut st., Teamster.  
 Lynch, William P., 88 Avon st., Agent.  
 Lyons, John J., 26 Wyatt st., Press feeder.

**M**

- Macabe, George A., 224 Medford st., Sign painter.  
 McCarthy, Charles F., 22 Thorpe st., Jeweler.  
 McCarthy, Chester D., 45 Union square, Salesman.  
 McCarthy, John J., 220 Summer st., Superintendent.  
 McCarty, John J., 13 Knowlton st., Charcoal dealer.  
 McColgan, John E., 85 Partridge ave., Manager.  
 Macomber, George A., 102 Thurston st., Merchant.  
 McDermott, William J., 12 Mossland st., Shipper.  
 Macdonald, Eugene B., 9 Crocker st., Manager.  
 MacDonald, Leo E., 98 Kidder ave., Electrical engineer.  
 McDonald, Robert D., 18 Greene st., Upholsterer.  
 McFadden, George W., 27 Berkeley st., Clerk.  
 McFarland, John A., 41 Burnside ave., Artist.  
 McGann, Thomas F., Jr., 45 Putnam st., Brass worker.  
 McGregor, Thomas G., 20 Curtis st., Buyer.  
 McKay, Alexander, 36 Oak st., Grocer.  
 McKenna, George F., 292 Lowell st., Undertaker.  
 McLaughlin, Henry H., 21 Belmont st., Salesman.  
 McLean, James A., 30 Banks st., Foreman.  
 McMurdie, Origen A., 33 Lexington ave., Clerk.  
 McSweeney, John J., 331 Washington st., Printer.  
 Madden, John H., 61 Marion st., Chandelier manufac.  
 Maddison, Thomas B., 221 Morrison avenue, Furrier.  
 Maddocks, John H., 17 Wallace st., Designer.  
 Maddox, George W., Jr., 193 Broadway, Collector  
 Magee, James L., 65 Beech st., Pressman.  
 Magoon, Frank P., 38 Madison st., Clerk.  
 Magown, Herbert B., 14 Clark st., Clerk.  
 Maguire, Frank V., 500 Medford st., Clerk.  
 Malcom, Sydney A., 91 Munroe st., Foreman.  
 Maloney, M. Vincent, 191 College ave., Salesman.  
 Manning, Charles N., 32 Lake st., Foreman.  
 Manning, Daniel F., 86 Gilman st., Clerk.  
 Manning, Thomas F., 44 Highland ave., Clerk.  
 Mansfield, Charles S., 8 Pinckney place, Manager.  
 March, John N., 15 Ash ave., Well driver.  
 Marden, George F., 25 Francesca ave., Pattern maker.  
 Marier, Eugene B., 24 Kingston st., Musician.  
 Marks, Frank P., 33 Windsor road, Clerk.  
 Marsh, Alden P., 47 Burnside ave., Wire inspector.  
 Marsh, George, 16 Powder House ter., Publisher.  
 Marsh, William H., 27 Cutter st., Teamster.  
 Marshall, Albert A., 11 William st., Clerk.  
 Marshall, Arthur C., 75 Trull st., Clerk.  
 Marshall, Harry L., 7 Hall ave., Bookkeeper.  
 Marshall, Jesse M., 454 Medford st., Fruit dealer.  
 Martin, Alton G., 39 Bradley st., Salesman.  
 Martin, Frank L., 120 Josephine ave., Asst. superintend.  
 Martin, Willard E., 16 Montgomery ave., Salesman.  
 Martis, Christopher H., 68 Linwood st., Printer.  
 Mason, Arthur F., 18 Hall ave., Manager.  
 Mason, Frank J., 30 Pembroke st., Bookkeeper.  
 Mason, William S., 20 Austin st., Salesman.  
 Masury, Walter R., 367 Somerville ave., Collector.  
 Mathews, Emery A., 92 Oxford st., Bookkeeper.  
 Mathews, Ira C., 82 Lexington ave., Electrician.  
 Maxim, William W., 59 Boston st., Fruit dealer.  
 Maxwell, Madison M., 22 Greenville st., Bookkeeper.



Mead, Adelbert F., 74 Chandler st., Com. merchant.  
 Meader, J. Edward, 400 Mystic ave., Manager.  
 Melvin, George H., 295 Summer st., Printer.  
 Melvin, Patrick C., 56 Elm st., Tailor.  
 Mercer, William L., Jr., 342 Broadway, Real estate dealer.  
 Meriam, Arthur J., 11 Evergreen ave., Clerk.  
 Merrill, Andrew S., 82 Sycamore st., Salesman.  
 Merrill, Fred W., 14 Eastman road, Electrician.  
 Merrill, Warren A., 14 Westminster st., Salesman.  
 Merritt, Robert H., 47 Cherry st., Purchasing agent.  
 Metcalf, Harry B., 114 Belmont st., Editor.  
 Miller, Samuel E., 31 Spencer ave., Clerk.  
 Miller, Thomas, Jr., 24 Pleasant ave., Salesman.  
 Milliken, Seymour J., 79 Thurston st., Salesman.  
 Mink, Edward, 85 Elm st., Manager.  
 Mitchell, Frank A., 11 Pleasant ave., Janitor.  
 Money, Joseph A., 54 Myrtle st., Polish manufacturer.  
 Monks, Charles A., 398 Medford st., Salesman.  
 Monroe, Frederick T., 54 Bromfield road, Asst. treas.  
 Moore, Albert S., 50 Brastow ave., Salesman.  
 Moore, Arthur G., 11 Rogers ave., Printer.  
 Moore, William G., 301 Washington st., Jeweler.  
 Moran, Frank A., 18 Alpine st., Tool maker.  
 Morgan, George H., 12 Sunnyside ave., Coffee dealer.  
 Morgan, John B., 1 Cedar st., Foreman.  
 Morris, Walter B., 51 Tufts st., Teamster.  
 Morrison, Frank E., 23 Brook st., Provision dealer.  
 Morrison, James, 62 Albion st., Salesman.  
 Mortimer, Alfred C., 12 Lester ter., Asst. superintendent  
 Morton, Nelson G., 44-A Hancock st., Journalist.  
 Moulton, Harold, 37 Warner st., Inspector.  
 Muir, John M., 79 Marshall st., Hardware dealer.  
 Muldoon, James J., 24 Putnam st., Clerk.  
 Mullen, James H., 19 Bradley st., Hotel clerk.  
 Mullin, Thomas F., 43 Beacon st., Inspector.  
 Munday, Thomas P., 60 Fellsway West, Teamster.  
 Munroe, Herbert J., 5 Chester ave., Secretary.  
 Murch, Elmer F., 55 Adams st., Reporter.  
 Murphy, James J., 113 School st., Wire chief.  
 Murphy, Joseph H., 4 Thurston st., No occupation.  
 Murphy, Stephen F., 102 College ave., Manager.  
 Murray, Edward A., 1 Lincoln st., Auditor.  
 Murray, James J., 47 Rogers ave., Printer.  
 Muzzy, Horace T., 31 Vinal ave., Draughtsman.  
 Myers, Mark B., 15 Hancock st., Clerk.

## N

Neiss, Louis H., 63 Jaques st., Insurance agent.  
 Nelson, William F., 33 Robinson st., Salesman.  
 Newcomb, William I., 7 Pritchard ave., Foreman.  
 Newhouse, George, 64 Bonair st., Teamster.  
 Newton, Elbridge W., 8 Westwood road, Agent.  
 Newton, William M., 84 Bay State ave., Clerk.  
 Nichols, Ralph L., 60 Summer st., Auditor.  
 Nicholson, Bartlett T., 368 Highland ave., Bookkeeper.  
 Nickerson, Frank R., 47 Liberty ave., Clerk.  
 Nickerson, Waldo H., 5 Wellington ave., Manager.  
 Nickles, James W., 14 William st., Commission merchant.  
 Niles, Franklin T., 229 Pearl st., Assistant manager.



Nixon, James A., 48 Holyoke road, Foreman.  
 Nolan, James H., 30 Concord ave., Clerk.  
 Nolan, John J. A., 13 Linden ave., Salesman.  
 Nolan, Thomas M., 15 Mountain ave., Composer.  
 Northrop, Howard B., 165 College ave., Salesman.  
 Nourse, N. Eugene, 80 Irving st., Interior decorator.  
 Noyes, Charles S., 3 Sargent ave., Cigar dealer.  
 Noyes, Walter I., 16 Mondamin court, Shipper.  
 Noyes, William H., 12 Florence st., Foreman.  
 Nute, Alfred D., 329 Highland ave., Shoemaker.  
 Nyman, Ernest D., 5 Wigglesworth st., Baggage master.



O'Brien, Edmund L., 493 Broadway, Clerk.  
 O'Brien, Edward J., 93 Lexington ave., Clerk.  
 O'Brien, George J., 383 Summer st., Teamster.  
 O'Brien, John J., 8 Durham st., Merchant.  
 O'Brien, William E., 70 Prospect st., Manager.  
 O'Brion, Fulton, 226 Summer st., Hay & grain dealer.  
 O'Connell, Daniel H., 343 Summer st., Clerk.  
 O'Connell, Patrick H., 14 Glendale ave., Manager.  
 O'Connell, Thomas Meade, 43 Highland road, Shipper.  
 O'Connor, J. Edward, 36-R Myrtle st., Teamster.  
 Odell, Harold E., 81 Liberty ave., Steam fitter.  
 Odiorne, Howard E., 15 Greenville st., Draughtsman.  
 O'Donnell, James A., 23 Cutter st., Contractor.  
 O'Donnell, Patrick G., 25 Pritchard ave., Insur. agent.  
 O'Hea, Frank J., 482 Medford st., Salesman.  
 O'Keefe, David, 26-A Glendale ave., Chauffeur.  
 Oldfield, Ernest W., 97 Perkins st., Teamster.  
 O'Leary, Peter, 21 Pinckney st., Inspector.  
 Olive, E. Percy, 21 Warner st., Photographer.  
 Olson, Otto, 741 Broadway, Carpenter and builder.  
 O'Neill, Cornelius, 4 Beech st., Motorman.  
 Ordway, Frank A., 271 Willow ave., Marketman.  
 Ormsby, Robert S., 10 Packard ave., Com. reporter.  
 Osborn, Edgar W., 86 Porter st., Contractor.  
 Osgood, Charles G., 22 Dover st., Coal dealer.  
 O'Shaughnessy, Patrick, 76 Derby st., Milk dealer.  
 Owens, James A., 5 Spring Hill ter., Tailor.  
 Owler, Edward, 30 Browning road, Salesman.  
 Oxnard, John H., 156 School st., Druggist.

**P**

Packard, Alden H., 273 Summer st., Foreman.  
 Packard, Frank D., 18 Buckingham st., Salesman.  
 Page, Carl M., 32 Lexington ave., Salesman.  
 Paige, Frank J., 17 Shawmut st., Meat cutter.  
 Paine, Arthur C., 91 Perkins st., Insurance adjuster.  
 Palmer, Charles F., 45 Greenville st., Clerk.  
 Paon, Charles S., 16 West st., Bookkeeper.  
 Parker, Arthur B., 17 Gilman st., Milk dealer.  
 Parker, George S., 29 Josephine ave., Invoice clerk.  
 Parker, John H., 16 Chandler st., Draughtsman.  
 Partridge, Ashley W., 346 Summer st., Superintendent.  
 Patten, Mark W., 128 Broadway, Coal dealer.  
 Patterson, Arthur E., 33 Cutter ave., Druggist.  
 Patterson, William S., 41 Prospect st., Carpenter.  
 Patton, James H., 15 Hall ave., Civil engineer.

Pearson, Albert L., 11 Teele ave., Electrical engineer.  
Pearson, Arthur G., 3 Sargent ave., Confectioner.  
Pease, Elmer E., 25 Belmont st., Salesman.  
Pendleton, Sumner M., 41 Simpson ave., Bookbinder.  
Perkins, George E., 4 Essex st., Manager.  
Perkins, Roy M., 167 Pearl st., Foreman.  
Perry, Fred B., 39 Teele ave., Clerk.  
Perry, Joseph H., 8 Kenwood st., Box manufacturer.  
Perry, Walter A., 55 Wallace st., Salesman.  
Perry, William E., 69 Marshall st., Clerk.  
Peterson, Charles E., 15 Murray st., Bookkeeper.  
Peterson, Oscar C., 22 Newbury st., Optician.  
Phelps, George A., 11 Sargent ave., Printer.  
Phillips, George W., 71 Hudson st., Bookkeeper.  
Phillips, John C., 10 Prospect Hill ave., Coffee merchant.  
Phillips, Joseph P., 6 Giles park, Laboratory foreman.  
Phillips, Lorenzo R., 138 Powder House blvd., Printer.  
Pickard, Elbridge A., 78 Chandler st., Grocer.  
Pickering, Leon D., 105 Porter st., Clerk.  
Pickthall, Richard E., 182 Central st., No occupation.  
Pierce, Charles H., 13 Morgan st., Clerk.  
Pierce, William F., 15 Chester place, Salesman.  
Pigon, Joseph H., 36 Wallace st., Clerk.  
Pillsbury, Robert F., 22 Hamlet st., Bookkeeper.  
Pincus, Joseph J., 41 Lexington ave., Manager.  
Piper, Hiram E., 1304 Broadway, Draughtsman.  
Pitcher, Redington, 1 Thurston st., Salesman.  
Pitman, J. Russell, 9 Lee st., Clerk.  
Plimpton, Franklin F., 151 Elm st., Manager.  
Plumer, William E., 197 Washington st., Hardware dealer.  
Polk, Eugene H., 68 Mt. Pleasant court, Checker.  
Pond, George W., 91 Bay State ave., Clothing dealer.  
Porter, C. Frank, 34 Franklin st., Musician.  
Porter, Henry P., 17 Hillside park, Printer.  
Porter, James E., 13 Waterhouse st., Conductor.  
Porter, Joseph W., 31 Hudson st., Salesman.  
Powell, Frederick A., 8 Conwell st., Carpenter.  
Powell, Ralph W., 225-A Highland ave., Salesman.  
Pratt, Arthur N., 24 Delaware st., Salesman.  
Pratt, George W., 35 Clark st., Chief clerk.  
Prescott, Albion M., 21 Carlton st., Furniture mover.  
Prescott, Charles A., 5 Lexington ave., Proof reader.  
Prescott, Horace A., 411 Highland ave., Milk dealer.  
Prescott, Willard L., 19 Pearson road, Bookkeeper.  
Preston, T. Franklin, 82 Sycamore st., Manager.  
Preston, William A., 179-A Pearl st., Shipper.  
Price, Elmer A., 35 Bartlett st., Fish dealer.  
Prichard, George W., 16 Fremont st., Foreman.  
Pride, Edwin L., 9 Browning road, Public accountant.  
Prior, Charles W., 23 Greene st., Electrician.  
Proctor, Frederick J., 225 Medford st., Motorman.  
Proctor, George Waldo, 44 Spring st., Clerk.  
Proudfoot, Christopher R., 91 Yorktown st., Timekeeper.  
Puffer, Charles, 14 Dartmouth st., Produce dealer.  
Purcell, Edward A., 293 Beacon st., Shipper.  
Purdy, Frank W., 12 Prescott st., Clerk.  
Pynn, Edward, 29 Ash ave., Carpenter.

**Q**

Quimby, Frank W., 309 Summer st., Stenographer.  
 Quiulan, John P., 8 Buckingham st., Driver.  
 Quinn, Edward J., 110 Prospect st., Salesman.  
 Quinn, John J., 7 Shawmut st., Foreman.  
 Quinn, John W., 15 Oak st., Confectioner.  
 Quinn, Joseph L., 110 Prospect st., Driver.  
 Quirk, James, 153-A Somerville ave., Laborer.

**R**

Ralph, Howard L., 66 Bromfield road, Manager.  
 Ralph, James E., 24 Bromfield road, Clerk.  
 Ralston, Robert S., 38-A Oliver st., Compositor.  
 Rametti, Irving W., 25 Cottage ave., Salesman.  
 Ramsey, Harry J., 66 Myrtle st., Druggist.  
 Rand, Fred C., 35 Banks st., Foreman.  
 Rankin, Albert, 32 Cameron ave., Inspector.  
 Rawles, Aaron B., 16 Broadway, Asst. superintendent.  
 Ray, George W., 64 Ossipee road, Salesman.  
 Ray, Robert S., 21 Webster ave., Shipper.  
 Raymond, John M., 37 Jaques st., Bookkeeper.  
 Rayner, James E., 143 Sycamore st., Manager.  
 Reardon, Timothy J., 28 Bromfield road, Salesman.  
 Reed, Charles Chester, 163 Elm st., Asst. paymaster.  
 Reed, James F., 459 Medford st., Salesman.  
 Reed, Nathan P., 42 Browning road, Iron merchant.  
 Rees, Warren C., 183 Willow ave., Typewriter.  
 Remick, Frank E., 16 Cutter st., Clothier.  
 Remick, George A., 91 Perkins st., Clothier.  
 Remick, Lewis H., 45 Josephine ave., Mechanician.  
 Reynolds, James B., 4 Concord ave., Shipper.  
 Reynolds, James F., 7 Adams st., Insurance agent.  
 Rhodes, Harry L., 82 Highland ave., Salesman.  
 Rice, Charles A., 33-C Dover st., Bookkeeper.  
 Rich, Arthur W., 41 Mt. Pleasant st., Electrician.  
 Rich, Herbert W., 38 Bromfield road, Bookkeeper.  
 Rich, Reuben D., 34 Grant st., Teamster.  
 Richards, Charles A., 16-A Hall st., Salesman.  
 Richards, Lewis C., 12 Prospect Hill ave., Marketman.  
 Richards, William P., 44 Day st., Architect.  
 Richardson, Herbert S., 41 Columbus ave., Teamster.  
 Richmond, Charles, 7 Munroe st., Clothing dealer.  
 Ricker, George E., 27 College ave., Hotel keeper.  
 Riley, Philip W., 55 Josephine ave., Printer.  
 Riley, William F., 45 Main st., Bookkeeper.  
 Ringer, Thomas F., 61 Central st., Superintendent.  
 Ripley, Lawrence G., 48 Rogers ave., Piano tuner.  
 Ripley, Prentiss T., 50 Hall ave., Tile mason.  
 Rivers, Fred S., 35 Charnwood road, Electrician.  
 Robbins, George D., 11 Elmwood st., Clerk.  
 Robbins, Lucien N., 11 Pearl ter., Grocer.  
 Robbins, Nathan, 22 St. James ave., No occupation.  
 Robbins, William T., 51 Jaques st., Provision dealer.  
 Roberts, Arthur H., 24 Fairmount ave., Salesman.  
 Roberts, Harry, 91 Sacramento st., Merchant.  
 Roberts, Henry P., 769 Broadway, Printer.  
 Roberts, John F., 24 Fairmount ave., Salesman.  
 Roberts, William H., 62 Chandler st., Clerk.  
 Robertson, Henry W., 43 Robinson st., Manager.



Robertson, Walter E., 8 Linden ave., Clerk.  
 Robie, Walter A. H., 227 Highland ave., Jeweler.  
 Robinson, Arthur W., 118 Highland road, Auditor.  
 Robinson, Edward E., 105 Rogers ave., Clerk.  
 Robinson, Richard H., 18 Thorndike st., Clerk.  
 Rockwell, Leonard W., 315-A Beacon st., Clerk.  
 Rockwood, Albert P., 68 Columbus ave., Stable keeper.  
 Rodway, Charles B., 48 Princeton st., Fruit dealer.  
 Rogers, Andrew J., 25 Bay State ave., Salesman.  
 Rogers, Ernest K., 42 Gibbens st., Bookkeeper.  
 Rogers, Francis F., 95 Highland ave., Painter.  
 Rogers, Joseph F., 62 Highland ave., Insurance agent.  
 Rolfe, George H., 15 Lexington ave., Druggist.  
 Rooks, Julius R., 46 Highland road, Fuel agent.  
 Rose, Edward, 127 Josephine ave., Seedsman.  
 Ross, Frank E., 42 Highland ave., Contractor.  
 Ross, William H., 37 Laurel st., Real estate dealer.  
 Rowe, John J., Jr., 11 Elston st., Estimator.  
 Rowell, Warren A., 99 Belmont st., Clerk.  
 Rugg, William C., 31 Wigglesworth st., Fish dealer.  
 Ruppel, William E., 31 Quincy st., Pressman.  
 Russell, Andrew J., 20 Alston st., Weigher.  
 Russell, Charles B., 330-A Highland ave., Salesman.  
 Ryan, Henry L., 11 Atherton st., Bookkeeper.  
 Ryan, John S., 37 Curtis st., Bookkeeper.  
 Ryan, Matthew J., 20 Columbus ave., Salesman.  
 Ryder, James M., 135 Lowell st., Fish dealer.  
 Ryder, Howard F., 54 Francesca ave., Salesman.

### S

Sadlier, William T., 7 Campbell park, Bookbinder.  
 St. John, Austin W., 25 Greene st., Manager.  
 Sanborn, Harry F., 274 Summer st., Broker.  
 Sanborn, J. Walter, 183 Central st., Commis. merchant.  
 Sargent, A. Eugene, 2 Sargent ave., Manager.  
 Sargent, Charles W., 93 Rogers ave., Salesman.  
 Saunders, Alfred J., 24 Powder House ter., Bookkeeper.  
 Savage, Walter F., 28 Avon st., Storekeeper.  
 Saville, J. Freeman, 64 Sycamore st., Cigar dealer.  
 Savory, Thomas C., 103 Belmont st., Clerk.  
 Sawyer, Carroll W., 51 Willow ave., Salesman.  
 Sawyer, Henry R., 10 Browning road, Clerk.  
 Sawyer, Horace C., 140 Highland road, Clerk.  
 Schrafft, William E., 49 Belmont st., Merchant.  
 Scott, John Winfield, 35 Hawthorne st., Printer.  
 Sears, Edward S., 130 College ave., Bookkeeper.  
 Sears, George R., 19 Columbus ave., Purchasing agent.  
 Sexton, John B., 177 Walnut st., Grocery salesman.  
 Seymour, Alfred A., 10 Brook st., Salesman.  
 Sharkey, James F., 31 Thurston st., Manager.  
 Shattuck, Ernest V., 92 Broadway, Salesman.  
 Shaw, William S., 387 Medford st., Salesman.  
 Shay, James J., 46 Florence st., Spring manufacturer.  
 Shepard, Frederick E., 191 Broadway, Salesman.  
 Shepard, Guilford F., 22 Oxford st., Baggage master.  
 Sheridan, Bernard J., 86 Highland road, Foreman.  
 Sherriff, Guy M., 238 School st., Clerk.  
 Shirley, Percy E. S., 45 Union square, Insurance agent.  
 Sholes, Harry W., 10 Cypress st., Shipper.  
 Sidebottom, George H., 90 Josephine ave., Architect.  
 Sillers, Charles M., 230 Pearl st., Clerk.



Simonds, Samuel W., 27 College ave., Broker.  
Simpson, Artemas D., 15 Lesley ave., Salesman.  
Singleton, Albert, 246 Beacon st., Shipper.  
Slack, Clarence I., 9 Windsor road, Salesman.  
Slager, Charles A., 42 Ivaloo st., Carpenter.  
Sleeper, Fred H., 66 Lexington ave., Claim agent.  
Smith, Angus J., 37 Moore st., Salesman.  
Smith, Charles A., 55-R Lowell st., Clerk.  
Smith, Edward P., 45 Josephine ave., Bookkeeper.  
Smith, Emery G., 34 Cambria st., Clerk.  
Smith, F. Ellwood, 70 Chandler st., Manager.  
Smith, Frank W., 43 Curtis st., Hardware dealer.  
Smith, Lawrence B., 45 Madison st., Salesman.  
Smith, Leslie E. A., 16 Lincoln st., Carriage keeper.  
Smith, Percy C., 88 Irving st., Salesman.  
Smith, Philip J., 83 Bay State ave., Ship broker.  
Smith, Ralph W., 5 Avon st., Driver.  
Smith, Robert E., 23 Hamlet st., Foreman.  
Smith, Thomas, 54-R College ave., Preserve cook.  
Smith, Walter A., 8 Eastman road, Printer.  
Snow, Edward L., 22 Temple st., Clerk.  
Snow, Stillman J., 34 Tower st., Clerk.  
Snow, Wallace H., 42 Derby st., Ice cream manufacturer.  
Snow, Wilbur L., 61 Elm st., Clerk.  
Snow, William A., 17 Francesca ave., Merchant.  
Solomon, Frank L., 12 Berkeley st., Manufacturer.  
Soule, H. Austin, 124 Summer st., Civil engineer.  
Soule, Samuel E., 105 Rogers ave., Broker.  
Souther, Charles E., 95 Kidder ave., Salesman.  
Souther, Samuel C., 115 Belmont st., Clerk.  
Southwick, Clifford E., 121 Belmont st., Clerk.  
Spaulding, Edward F., 27 Josephine ave., Salesman.  
Spaulding, Frank P., 39 Hall ave., Manager.  
Spaulding, Fred E., 80 Partridge ave., Salesman.  
Spear, Charles W., 22 Gibbens st., Marketman.  
Spooner, Orin E., 110 Boston ave., Broker.  
Sprague, Harry R., 18 Hancock st., Clerk.  
Sprague, Wallace C., 35 Fairmount ave., Bookkeeper.  
Stackpole, Arthur B., 248-A Highland ave., Clerk.  
Staples, Mendall G., 3 Pearl ter., Janitor.  
Stay, Clarence L., 19 Upland park, Shoe buyer.  
Sterling, Frank T., 30 Wallace st., Clerk.  
Stetson, Walter E., 13 Browning road, Clerk.  
Stevens, Albion M., 32 Fellsway West, Optician.  
Stevens, Charles H., 10 Oakland ave., Butter dealer.  
Stevens, James H., 18 Melvin st., Superintendent.  
Stevens, William H., 10 Oliver st., Shipper.  
Stewart, Charles A., 300 Summer st., Book binder.  
Stewart, Walter H., 145 Orchard st., Clerk.  
Stockton, Charles R., 11 Melvin st., Manager.  
Stoddard, Charles W., 60 Bartlett st., Auditor.  
Story, William C., 42 Holyoke road, Foreman.  
Street, Frank, 246 Willow ave., Asst. buyer.  
Strout, Frank W., 17 Flint st., Clerk.  
Sturtevant, George H., 64 Bow st., Salesman.  
Sullivan, John P., 173 College ave., Pressman.  
Sutherland, Thomas W., 16 Highland ave., Train master.  
Sweeney, Eugene F., 111 Belmont st., Pressman.  
Sweeny, John F., 53 Columbus ave., Asst. superintendent.  
Swett, Robert W., 55 Lowden ave., Clerk.  
Symonds, Charles, 71 Ossipee road, Paymaster.

**T**

Taft, Fred S., 67 Columbus ave., Druggist.  
 Talbot, Edwin R., 222 Medford st., Editor.  
 Tanner, Oscar H., 19 Prospect Hill ave., Foreman.  
 Tarbell, Charles J., 36 Lowden ave., Compositor.  
 Tarbox, Edwin F., 9 Carver st., Yard master.  
 Tarbox, French O. J., 51 Victoria st., Machinist.  
 Tarr, Harold E., 170 Central st., Asst. foreman.  
 Tattan, Michael H., 458 Somerville ave., Re. estate dealer.  
 Taylor, Ernest A., 15 Sargent ave., Baggage master.  
 Taylor, Charles F., 36 Burnside ave., Salesman.  
 Taylor, Walter F., 18 Virginia st., Clerk.  
 Teele, Frank A., 33 Wallace st., Real estate dealer.  
 Thayer, George E., 285 Medford st., Assistant weigher.  
 Thomas, Fred, 18 Madison st., Salesman.  
 Thomas, Joseph M., 23 Stickney ave., Salesman.  
 Thompson, Alvah M., 134 Highland ave., Beef dealer.  
 Thompson, Charles W., 237 School st., Music dealer.  
 Thompson, George H., 95 Kidder ave., Clerk.  
 Thomson, Emerson, 18 Mystic st., Station agent.  
 Thornquist, Carl Jacob, 100 Packard ave., Broker.  
 Thurston, Walter H., 16 James st., Bookkeeper.  
 Tibbetts, Harris P., 33 Bradley st., Carpenter.  
 Tibbetts, Luther H., 18 Winslow ave., Superintendent.  
 Titus, Harry A., 8 Lowden ave., Clerk.  
 Toppan, Arthur W., 209 Highland ave., Boat builder.  
 Torrens, William L., 255 Broadway, Woodworker.  
 Townsend, Walter S., 10 Packard ave., Bookkeeper.  
 Tripp, William A., 8 Pearl ter., Shipper.  
 Trowbridge, Walter J., 26 Fenwick st., Salesman.  
 Trueman, J. Albert F., 7 Westwood road, Lumber mer.  
 Tryon, Winthrop P., 14 Cherry st., Journalist.  
 Tucker, Frank W., 50 Dartmouth st., Superintendent.  
 Turner, Walter F., 15 Highland road, Salesman.

**U**

Ulm, Albert A., 59 Preston road, Printer.  
 Underwood, Louis F., 50 Meacham road, Bookkeeper.  
 Upton, Samuel, 102 Glenwood road, Machinist.

**V**

Valentine, Paul R., 2 Bolton st., Clerk.  
 VanBuren, John D., 45 Tufts st., Carriage painter  
 VanCor, Charles J., 12 Miner st., Salesman.  
 VanHorne, Jesse A., 309 Broadway, Clerk.  
 Vanner, Samuel A., 7 Thurston st., Manager.  
 Van Ummersen, Richard, 97 Munroe st., Asst. fr'ght agt.  
 Varney, Charles A., 25 Teele ave., Inspector.  
 Vaughan, Ernest L., 20 Berkeley st., Druggist.  
 Vincent, James N., 11 Lovell st., Printer.  
 Vorce, Martin E., 29-A Putnam st., Newsdealer.

**W**

Wadleigh, William Y., 65 Boston st., Wholesale grocer.  
 Wainwright, Charles H., 29 Cambria st., Civil engineer.  
 Waite, Frank A., 14 Main st., Clerk.  
 Wakefield, Chester K., 21 Flint st., Insurance agent.  
 Waldron, Ralph D., 44 Albion st., Clerk.  
 Walker, Andrew R., 4 Florence st., Teamster.  
 Walker, George, 26 Wallace st., Salesman.

Walker, Granville A., 9 Loring st., Painter.  
 Walker, Henry I., 99 School st., Hardware dealer.  
 Walker, Thomas G., 5 Dell st., Foreman.  
 Wallace, William E., 68 Glenwood road, Decorator.  
 Ward, Dana F., 145 Lowell st., Fish dealer.  
 Ward, Irving H., 24 Wesley park, Salesman.  
 Warren, Herbert D., 24 Banks st., Bookkeeper.  
 Waterman, Wilbur C., 15-A Maple ave., Clerk.  
 Watson, Harry S., 42 Boston st., Clerk.  
 Watters, Robert D., 16 Ames st., Buyer.  
 Waugh, W. Whitney, 125 Highland road, Salesman.  
 Webster, Alexander S., 22 Walnut st., Teamster.  
 Weeks, Edward H., 67 Rush st., Salesman.  
 Welch, James R., 24 Hall st., Bookkeeper.  
 Wentworth, Walter E., 4 Farragut ave., Superintendent.  
 Wheeler, Frank A., 34 Evergreen ave., Bookkeeper.  
 Whipple, William D., 74 Josephine ave., Clerk.  
 Whitaker, William L., 5 Lexington ave., Superintendent.  
 White, Frank H., 14 Montgomery ave., Map mounter.  
 Whiting, Edward E., 67 Ossipee road, Reporter.  
 Whiting, George, 61 Mt. Vernon st., Milk contractor.  
 Whitney, Gorham H., 35 Adams st., Superintendent.  
 Whittier, Henry F., 30 Delaware st., Super. of Account.  
 Wiggin, Albert L., 13 Knapp st., Merchant.  
 Wilbur, Moses F., 58 Irving st., Hay and grain dealer.  
 Wiley, Henry C., 75 Thurston st., Broker.  
 Williams, Stewart H., 43 Franklin st., Stenographer.  
 Williston, Belvin T., 3 Monmouth st., Engraver.  
 Willoughby, George T., 111 Central st., Builder.  
 Wilson, Harry A., 23 Brastow ave., Foreman.  
 Wilson, J. Albert, Jr., 52 Brastow ave., Musician.  
 Wilson, Thomas G., 9 Irving st., Clerk.  
 Winslow, George H., 95 Liberty ave., Clerk.  
 Wisdom, Arthur E., 84 Avon st., Clerk.  
 Withington, Henry A., 189 Summer st., Manager.  
 Wolf, John, Jr., 13 Fosket st., Produce merchant.  
 Wood, George A., 40 Laurel st., Lumber merchant.  
 Woodley, Edward W., 25 Kidder ave., Printer.  
 Woodman, John O. H., 13 Gorham st., Clerk.  
 Woodward, Leonard S., 52 Dartmouth st., Bookkeeper.  
 Wright, Edwin A., 31 Pearl st., Superintendent.  
 Wright, John Edward, 18 Buckingham st., Electrician.  
 Wyman, George A., 20 Brastow ave., Mechan. engineer.  
 Wyman, Harry E., 18 Tower st., Manager.

## V

Yates, W. Dudley, 22 Powder House ter., Superintendent.  
 Yeaton, Charles E., 129 Central st., Carpenter.  
 Yerxa, Robert A., 71 Berkeley st., Manager.  
 Young, Alfred M., 8 Cutter park, Optician.  
 Young, Benjamin A., 8 Everett st., Clerk.  
 Young, George E., 67 Grant st., Paper hanger.  
 Young, Herbert L., 43 Quincy st., Clerk.

CHARLES P. LINCOLN, Chairman,  
 EDWIN D. SIBLEY,  
 DOUGLASS B. FOSTER,  
 FEDERIC W. COOK,  
 Board of Registrars of Voters.

# CITY GOVERNMENT AND OFFICERS FOR 1911.

## Mayor.

Charles A. Burns,  
27 Thurston Street.

## Board of Aldermen.

*President*, RALPH M. SMITH.

*Vice-President*, GERALD A. GARDNER.

### WARD ONE.

Fred E. Hanley, Alderman-at-large . . . . .	40 Oliver street
William H. Smith . . . . .	16 Mystic street
Wallace E. Loveless . . . . .	47 Glen street

### WARD TWO.

George A. Wilson, Alderman-at-large . . . . .	32 Springfield street
Edmond Russell . . . . .	36 Lincoln parkway
Alfred J. Toomey . . . . .	18 Linden street

### WARD THREE.

Charles W. Boyer, Alderman-at-large . . . . .	50 Highland avenue
Frank R. Dunklee . . . . .	5 Prospect Hill avenue
Oscar W. Codding . . . . .	21 Pleasant avenue

### WARD FOUR.

William P. Jones, Alderman-at-large . . . . .	13-A Maple avenue
Charles W. Hodgdon . . . . .	22 Wigglesworth street
Leod MacLeod . . . . .	13 Wesley street

### WARD FIVE.

Gerald A. Gardner, Alderman-at-large . . . . .	8 Hudson street
Richard F. Churchill . . . . .	16 Winter Hill Circle
Charles A. Draper . . . . .	442 Broadway

### WARD SIX.

Oscar H. Belding, Alderman-at-large . . . . .	182 Highland avenue
Joseph O. Knox . . . . .	109 Rogers avenue
Oscar G. Sargent . . . . .	36 Cedar street

### WARD SEVEN.

Ralph M. Smith, Alderman-at-large . . . . .	80 Bay State avenue
William B. Brown . . . . .	72 Wallace street
Harry G. Chase . . . . .	37 Sawyer avenue

*City Clerk*—FREDERIC W. COOK.

*Assistant City Clerk*—HOWARD E. WEMYSS.

Regular meetings, second and fourth Thursday evenings of each month, at 8 o'clock, except when such Thursday is a holiday, in which case the meeting is held on the preceding Tuesday evening.



### Standing Committees of the Board of Aldermen.

APPOINTMENTS—Aldermen Gardner, Jones, Smith of Ward 1, Sargent and Coddington.

FINANCE—The President, Aldermen Belding, Hanley, Hodgdon, Russell, Coddington and Churchill.

LEGISLATIVE MATTERS—Aldermen Boyer, Hodgdon, Hanley, Churchill and Wilson.

LICENSES AND PERMITS—Aldermen Smith of Ward 1, Brown, Dunklee, Sargent, Draper, MacLeod and Toomey.

PUBLIC PROPERTY—Aldermen Belding, Brown, Loveless, Toomey and MacLeod.

PUBLIC SAFETY—Aldermen Russell, Knox, Dunklee, Draper and Chase.

PUBLIC WORKS—Aldermen Jones, Gardner, Boyer, Chase, Wilson, Knox and Loveless.

### School Committee.

*Chairman.*—HENRY H. FOLSOM.

*Vice-Chairman.*—GEORGE C. MAHONEY.

(Term, two years, except members ex-officiis.)

CHARLES A. BURNS, Mayor (ex-officio), 27 Thurston street.

RALPH M. SMITH, President Board of Aldermen (ex-officio), 80 Bay State avenue.

#### WARD ONE.

MARY G. WHITING (elected 1909), 61 Mt. Vernon street.

EMORY F. CHAFFEE (elected 1910), 109 Pearl street.

#### WARD TWO.

DANIEL H. BRADLEY (elected 1909), 19 Concord avenue.

THOMAS M. CLANCY (elected 1910), 52 Springfield street.

#### WARD THREE.

GEORGE E. WHITAKER (elected 1909), 75 Walnut street.

ALBERT C. ASHTON (elected 1910), 33 Columbus avenue.

#### WARD FOUR.

CHARLES A. KIRKPATRICK, JR. (elected 1909), 27 Sewall street.

GEORGE W. FOSTER (elected 1910), 8 Oakland avenue.

#### WARD FIVE.

HENRY H. FOLSOM (elected 1909), 103 Central street.

J. WALTER SANBORN (elected 1910), 183 Central street.

#### WARD SIX.

FREDERICK A. P. FISKE (elected 1909), 44 Cherry street.

MARY R. BREWER (elected 1910), 170 Summer street.

#### WARD SEVEN.

GEORGE C. MAHONEY (elected 1909), 97 College avenue.

LILLA H. TAINTER (elected 1910), 46 Chester street.

*Superintendent and Secretary*—CHARLES S. CLARK.

Office, City Hall Annex.

Hours: 8 A. M. to 5 P. M., except Saturdays;  
Saturdays, 8 to 10 A. M.

Regular meetings, last Monday evening of each month, except July and August, when none are held, and December, when meetings are on the fourth and fifth Fridays.

#### **Assessors.**

(Term, three years.)

GEORGE W. PERKINS, Chairman (term expires 1913).

NATHAN H. REED (term expires 1912).

GEORGE E. ELLIOTT (term expires 1914).

WINSOR L. SNOW (term expires 1912).

HARRY VAN IDERSTINE (term expires 1914).

#### **Assistant Assessors.**

(Term, one year.)

FRED B. CLAPP.

JOHN FRANKLIN STACKPOLE.

J. ROBERT FENELON.

JAMES WILSON.

GEORGE I. CANFIELD.

WILLIAM H. WALLACE.

Office open: 8 A. M. to 4 P. M.; Saturdays, 8 A. M. to 12 M.

#### **Board of Health.**

(Term, two members, two years; one member, one year.)

WESLEY T. LEE, M. D., Chairman (term expires 1912).

WILLIAM P. FRENCH (term expires 1912).

JACKSON CALDWELL (term expires 1913).

*Clerk*, GEORGE H. GALPIN.

*Agent*.—CALEB A. PAGE.

*Medical Inspector*.—FRANK L. MORSE, M. D.

*Superintendent Collection of Ashes and Offal*.—EDGAR T. MAYHEW.

*Inspector of Animals and Provisions*.—CHARLES M. BERRY.

*Inspector of Milk and Vinegar*.—HERBERT E. BOWMAN.

Office open: 8 A. M. to 4 P. M.; Saturdays, 8 A. M. to 12 M.

#### **Overseers of the Poor.**

Office, City Hall Annex.

(Term, three years.)

EDWARD B. WEST, Chairman (term expires 1912).

ALBERT W. EDMANDS (term expires 1914).

HENRY F. CURTIS, M. D. (term expires 1913).

*Agent*.—CHARLES C. FOLSOM.

*Secretary*.—CORA F. LEWIS.

Office open: 8 A. M. to 4 P. M.; Saturdays, 8 A. M. to 12 M.

**Registrars of Voters.**

(Term, three years.)

CHARLES P. LINCOLN, Chairman (term expires 1913).

EDWIN D. SIBLEY (term expires 1912).

DOUGLASS B. FOSTER (term expires 1914).

FREDERIC W. COOK, City Clerk (term expires 1914).

**Public Library Trustees.**

(Term, three years.)

THOMAS M. DURELL, Chairman (term expires 1913).

J. FRANK WELLINGTON (term expires 1914).

FREDERICK W. PARKER (term expires 1912).

WILLIAM L. BARBER (term expires 1913).

CHARLES L. NOYES (term expires 1914).

FREDERICK W. HAMILTON (term expires 1912).

WILLIAM H. BURGESS (term expires 1912). (Resigned June 8, 1911.)

CHARLES M. AMBROSE (term expires 1913).

GEORGE WHITING (term expires 1914).

WILLIAM H. DOLBEN (appointed September 14, 1911, to fill vacancy;  
term expires 1912).*Librarian and Secretary.*—SAM WALTER FOSS (died February 26, 1911).

DREW B. HALL (elected April 17, 1911).

Library open 9 A. M. to 9 P. M., and the reading room Sundays,  
2 to 6 P. M.**City Clerk.**

FREDERIC W. COOK.

*Assistant City Clerk.*—HOWARD E. WEMYSS.

Office open: 8 A. M. to 4 P. M.; Saturdays, 8 A. M. to 12 M.

**City Treasurer and Collector of Taxes.**

JOSEPH S. PIKE.

Office open: 8 A. M. to 2 P. M.; Saturdays, 8 A. M. to 12 M.

**City Messenger.**

JAIRUS MANN.

**Mayor's Secretary.**

FRED E. WARREN.

**City Solicitor.**FRANK W. KAAH,  
50 State street, Boston.**City Auditor.**

CLARENCE T. BRUCE.

**City Engineer.**

ERNEST W. BAILEY.

Office open: 8 A. M. to 4 P. M.; Saturdays, 8 A. M. to 12 M.

**Commissioner of Streets.**

ASA B. PRICHARD.

Office hour: 9.30 to 10 A. M.

**Commissioner of Public Buildings and Inspector of Buildings.**

WALTER T. LITTLEFIELD.

Office open: 8 A. M. to 4 P. M.; Saturdays, 8 A. M. to 12 M.

**Commissioner of Electric Lines and Lights.**

WALTER I. FULLER.

Office, Central Fire Station, 261 Medford street.

**Water Commissioner.**

FRANK E. MERRILL.

Office open: 8 A. M. to 4 P. M.; Saturdays, 8 A. M. to 12 M.

**Clerk of Committees and Departments.**

WILLIAM P. MITCHELL.

Office open: 8 A. M. to 4 P. M.; Saturdays, 8 A. M. to 12 M.

**Chief of Police.**

CHARLES A. KENDALL.

Office, Police Building, Bow street.

**Chief Engineer of the Fire Department.**

SEWALL M. RICH.

Office, Central Fire Station, 261 Medford street.

**City Physician.**C. CLARK TOWLE, M. D.  
24 Prospect Hill avenue.**Inspector of Plumbing.**

DUNCAN C. GREENE.

Office hour: 8 to 9 A. M.

**Inspector of Milk and Vinegar.**

HERBERT E. BOWMAN.

Office hours: 9 A. M. to 12 M., except Saturdays.



**Inspector of Animals and Provisions.**

CHARLES M. BERRY,  
60 Prescott street.

**Inspector of Petroleum.**

SEWALL M. RICH.  
Office, Central Fire Station, 261 Medford street.

**Sealer of Weights and Measures.**

JOHN H. DUSSEAULT.  
*Deputy Sealer*, BENJAMIN S. ABBOTT.  
Office, City Hall Annex.  
Office hours: 9 A. M. to 12 M.

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90 Highland avenue.  
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**Measurer of Wood and Bark.**

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