









CITY OF SOMERVILLE

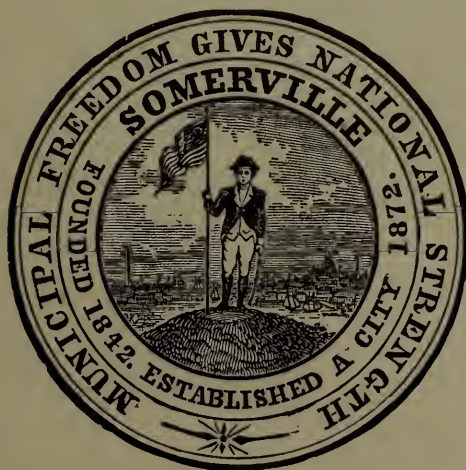
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With Mayor's Inaugural Address

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# INAUGURAL ADDRESS

DELIVERED BY

## Mayor Charles A. Burns

MONDAY, JANUARY 2, 1911

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Gentlemen of the Board of Aldermen:—

Our fellow-citizens, in the exercise of their right of franchise, have placed us in control of the affairs of our city for the present municipal year.

Let us remember at all times that we are elected to carry out, as far as possible, the wishes of the people. We should feel we are chosen on account of our business qualifications, and, in return for the distinguished honor the citizens have paid us in electing us to office, endeavor to give the city a progressive, efficient, impartial business administration.

We face the responsibility of carrying out the wishes of over 77,000 people, but their demands are not great. They simply ask us to be honest and progressive, and to know no section of our city or class of our people, but to legislate for all the people all the time.

I should be remiss in my duty if I did not express to you, my fellow-citizens, my high appreciation of the distinguished honor you have conferred upon me in electing me to the highest office within your gift.

At this time I pause to pay a loving tribute to the man, an ex-mayor of our city, whose name I have the honor to bear, and to pledge to you that same fidelity to the trust imposed upon me and that same honest and conscientious service that he gave to the people during his four years in office.

The duties of the two branches of the city government, the executive and legislative, are clearly defined in the city charter, and we cannot deviate from those duties. The two are coordinate, and should work in harmony and sympathy to the end that the best results may be obtained for the advancement and upbuilding of our city and the procuring of legislation best suited for all the people.

I have discussed our financial condition with the city treasurer, and he informs me that our bills are all paid, and the situation is very satisfactory.

Our tax rate of \$18.50 last year was low in comparison with our neighboring municipalities.

Economy must be our watchword. While we cannot neglect the work of keeping our buildings, streets, and sidewalks in repair, yet I urge you to assist the executive in giving the city as economical an administration as possible.

There are many recommendations which are urged by departments and which I should be glad to endorse at this time, but in view of the fact of the increased amount of money which will be required to maintain the departments at their present standard, and the probable decrease in our revenues, I feel that all possible care should be used in making appropriations.

The people are the stockholders of this corporation, and it is their money we are spending. Every one has to contribute; there is no escape. The people should know how the money is spent. I believe in publicity.

As far as practicable, I believe that the accounts of the city should be kept in accordance with the classification of the bureau of statistics of the commonwealth.

How many citizens realize that it costs per year practically \$395,000 to maintain the school department, \$94,000 for the police department, and \$82,000 for the fire department? These are substantially the amounts for 1910.

As the city grows, greater demands are made on the treasury. It is incumbent upon us and upon heads of departments to see that none of the people's money is wasted. A detailed statement of the financial condition of our city is made a part of this address and should be read by every citizen.

I do not believe enough progress has been made in late years in getting high-class commercial interests to locate in our



city. I earnestly hope something can be accomplished along these lines, in order that the taxable property may be increased and at the same time a high class of mechanics be brought within our borders.

Before proceeding to discuss the different departments, I wish to emphasize the fact that I am partial to no man. Every head of a department must be a leader of men, progressive and without prejudice, and should hold his position on account of his business qualifications and the proper administration of his duties. It is of the utmost importance that politics be eliminated from departments, and that they be managed on a strictly business basis. Every man who in any way is connected with a department should feel he is a factor in this corporation, and should give the city the very best there is in him, and in return for his faithful efforts should receive the support of the people.

#### **Fire Department.**

We have been fortunate the past year, as in previous years, in having no large fires, especially in view of the fact that we have more than 13,000 wooden buildings in the city.

There has been added to the fire department apparatus an automobile chemical. In fighting fires, all agree that the first few minutes are the most important, and in getting there quickly this machine has demonstrated its worth. The question of putting the department on a permanent basis is, in my judgment, too serious financially to be considered at this time. The efficiency of our department is evidenced by the low rate of insurance which is established.

Our fire houses are well equipped and in good condition. Some change will undoubtedly have to be made in the near future for housing our fire apparatus in the Winter Hill section.

#### **Highways.**

One of the best assets a city can have is good streets and sidewalks, kept in first-class repair and clean. Every citizen can assist the department by endeavoring to keep the street clean in front of his residence.

During the year permanent paving was laid on College avenue, from Powder House square to Davis square, Somerville

avenue, from Lowell street to and including Oak square, and both sides of the approaches to the Somerville-avenue bridge.

I am informed that many elm trees were killed by the elm-leaf beetle during the past year. No expense should be spared to save the trees.

I believe good results have been obtained in the use of oil and tar to keep down the dust, and, in my judgment, these should be used more extensively.

Employees of the department laid all the granolithic sidewalks last year, thus giving work to Somerville citizens and tax-payers. Our citizens should be given preference in the work of all departments whenever it is not detrimental to the city financially. Granolithic appears to be the material the people demand for sidewalks, and, in my opinion, should be used whenever it is expedient to do so.

I believe the department is keeping pace with the modern idea of the construction of highways.

### **Police.**

The police department is one of the most important in the city. It is of vital interest and one that should receive the support of the people. It is regrettable that the finances of the city will not permit us to increase the number of patrolmen to keep pace with the increase in population.

An automobile patrol and ambulance should replace the horse-drawn patrol wagon and ambulance whenever our finances will permit. We must bear in mind that our city covers a very large area, and that our population is growing farther away from our police station. One of our honored mayors, in his inaugural over twenty years ago, recommended a sub-police station for the western section of our city. If, in his judgment, it was needed then, how much more is one needed now! The use of motive power, however, instead of horse power, would greatly assist the department in its work.

The liquor laws must be strictly enforced, and I think it would be a benefit to the city if a small liquor squad could be established.

I believe the members of the department should hold military drills at stated intervals under a competent drill master, which would tend to increase the discipline of the force. The

department should be put on a military basis and the rules enforced to the letter.

### **Electrical Department.**

The commissioner of electric lines and lights informs me that our present police signal system is far from reliable and is in need of constant repairs. I call your attention to this matter, that a thorough examination may be made of the system, in order that we may satisfy ourselves as to the condition of this important adjunct to the police department.

The placing of wires underground is being carried along as fast as possible, and in a few years the main streets will be practically cleared of overhead wires.

### **Schools.**

We have something over 12,000 pupils in our public schools, and it costs approximately \$30 a year for each pupil. We are proud of our schools, and justly so, and do not regret one cent we spend in this direction.

The high school buildings have been utilized practically all the time since the new schedule of attendance went into effect. The evening sessions of our schools are of tremendous importance to those not permitted to attend during the day, and should receive the careful consideration of the school committee.

The two-years' course in the industrial school is proving very popular among our boys, and double the attendance is expected in a short time. It is hoped that an industrial school for girls will be established shortly.

We are getting more practical in our educational ideas, and our school committee is progressive, and, in my opinion, meeting the requirements of the day.

The high school problem still awaits settlement. In the addition, that must come in some way, let us remember that, besides adequate recitation rooms, we should have a commodious assembly hall and gymnasium, both of which now are needed.

Land was purchased last year on the Powder House boulevard for the erection of a school building. When this building

is erected, let us profit by experience and build large enough to accommodate this section for years to come.

During the past year several parcels of land have been taken adjacent to schoolhouse property, in order that the buildings might have more light and air, and also that the school playgrounds might be better arranged for the children. On some of these parcels of land buildings are located, so that it will be necessary to make an appropriation for clearing the land and providing permanent surfaces for these yards.

I believe in adding to our corps of teachers a physical director who knows the requirements of our grammar school pupils, as well as of those in our high schools. In doing this, the children will be obliged to take a short physical exercise every day, which I should think would be a needed relief from the monotonous routine of the day's work. This physical director should also have general charge of our athletics, arrange inter-school games of all kinds, and be a man of the highest standard of character and ability.

There is very much more I would like to say in reference to the schools, but time will not permit. I would recommend that every citizen read the report of the school committee for 1910.

#### **Public Library.**

The affairs of the public library are in a healthy condition, although the past year has been a trying one. The president, Dr. Edward C. Booth, retired at the very outset. The library had enjoyed his invaluable services for many years. The illness of our librarian, Sam Walter Foss, has been a source of regret to all our citizens, and it is sincerely hoped that he will soon be restored to full health and vigor.

With the multitude of books on the market, great care should be exercised in their selection. I am informed that no book is allowed to enter circulation until it has been passed upon by a member of the board of trustees. The phenomenal growth of the branch library has continued to be a source of wonderment and great satisfaction. Nearly 200 years before the Christian era Plautus wrote: "Each man reaps on his own farm," and we certainly have reaped a rich harvest in our public library.

### **Grade Crossings.**

The work of abolishing grade crossings on the Fitchburg division of the Boston & Maine railroad is progressing. The Somerville-avenue crossing has been completed, and this year will probably see the completion of the Webster-avenue crossing. The work of eliminating these dangerous grade crossings will be continued for a number of years, as decreed by the courts, and the total cost when completed will be about \$1,500,000, the city paying ten per cent. of the cost, and the payments being distributed over a term of years.

Last year witnessed the completion of the Lowell-street bridge, which has long been desired and is of great benefit to the city in many ways.

### **Public Playgrounds.**

The Somerville Playgrounds association is doing splendid work, and the city is co-operating. During the summer months certain areas are used in the city's parks, playgrounds, and school yards for outdoor kindergarten schools. The places are equipped with swings and various apparatus, and supervisors are employed. This work should receive the support of every citizen.

The city's only enclosed field for athletic games is maintained on leased land, and this lease expires July 1, 1911. Some immediate action will be necessary for the construction of a permanent field for this purpose. Already a small parcel of land has been transferred permanently to the city by the metropolitan park commission, and negotiations are pending for a large additional area, located in the northwesterly part of the city, and bounded by the Powder House boulevard and Alewife brook, about ten acres in all, to be used for recreation purposes. While this may not be the best place for an athletic field, it is, perhaps, the only available spot that is large enough to meet our further requirements. We should have a field where all kinds of athletic contests may be held, and a building containing showers and lockers.

The Somerville bathing beach has been so generally patronized by our citizens that we should consider the purchasing of the land bordering the Mystic river at the point where our bathhouse now stands, and the advisability of establishing a permanent building for the accommodation of bathers.

**Hospitals.**

The tuberculosis hospital is nearing completion, and should be ready for occupancy not later than February 1. When equipped, this hospital will accommodate twenty-four patients. It is designed as a camp, provision being made for outdoor living as much as possible for the patients.

I recommend that the usual sum of \$5,000 be appropriated for the care of the sick poor at the Somerville hospital. Our city is second to none in its loyal support of its charitable institutions. Let us hope that the coming year will see even a greater interest manifested.

**Fourth of July Celebration.**

The celebration of Independence day of the past year was most successful, and I wish at this time to congratulate his honor, the mayor, and the board of aldermen, the Somerville Fourth of July association, and the many citizens and associations who so heartily co-operated in every way toward its success.

The parade and all of the features incident to the celebration were highly creditable, and the presence of our honored president and other distinguished guests was a rare honor to our municipality.

**Metropolitan District.**

A greater Boston is being discussed by the people and the press. Our city has a real place and does a real work in the world, and it is our own work, which no one else can do for us. We never want to lose our identity or surrender our local self-government. At the same time, there are certain features of a unification into a great metropolitan district that might work to our advantage and are of such importance as to require the careful consideration of our people.

**Charter Revision.**

The matter of a change in our city charter is to be considered by a committee of citizens. It is possible some changes may be recommended. I do not feel, in view of the fact of the existence of this committee, that any suggestions should be made by the executive at this time.

### **Banner City.**

Somerville is the banner no-license city in the commonwealth, and it is incumbent on the people to keep our city in this proud position, not only in no-license, but in everything that goes to make a hustling, progressive municipality. We are a splendid illustration of a city that can grow and become beautiful under no-license. We are constantly building homes, and a man's home is his castle, his fortress, his anchor, and of all things earthly it should be the "god of his worship." My home to me is the deck, while all the rest of the world is the sea.

Gentlemen of the board of aldermen: Having had the privilege of serving in your honorable body, I can appreciate your position, the important public duties you have to perform, and the amount of time you freely give. My office will always be open for your reception. Let us consult together. Let progress be our motto. We are all working with the same end in view, and that is, to keep Somerville where she has always been and is now, at the very top of the municipalities in our grand old commonwealth.

And in conclusion, what better word could I leave with you, gentlemen and fellow-citizens, than to wish you all a Happy and Prosperous New Year!

### **Financial Statement.**

The total funded debt of the city January 1, 1910, was \$1,503,000. This debt was increased during the year \$160,000. It was decreased \$163,000, leaving the net funded debt January 1, 1911, \$1,500,000, a decrease of \$3,000.

The total amount of taxable property is \$66,376,338.70, of which \$58,806,600 is real estate and \$7,569,738.70 is personal estate. At a rate of \$18.50 on each \$1,000 of valuation, the tax is \$1,227,962.27. There are 21,683 polls at \$2, making \$43,366. Amount assessed for street sprinkling, \$33,308.20, and for the suppression of gypsy and brown-tail moths, \$883.96; on non-resident bank shares to be paid to the state, \$1,368.28, making a total tax levy of \$1,306,888.71. The total number of persons assessed, resident and non-resident, was 29,679.

Of the amount of the tax levy, \$230,000 is required for the debt provisions; \$239,087.27 are state and county taxes, metro-

politan district assessments, overlay and abatement, etc., matters over which the city has no control; \$424,500 is used for current expenses of departments, over which the board of aldermen has no control; \$334,375 is the amount for current expenses within control of the board of aldermen.

The same statement based upon \$18.50 per thousand is as follows: Of each \$18.50, \$3.60 is for state, county, and metropolitan taxes and overlay and abatement; \$3.46 for debt requirements; \$6.40 for current expenses over which the board of aldermen has no control; \$5.04 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 \$226,275.30 on water income account; we received \$25,721.85 from corporation and bank taxes; from the clerk of the courts, \$3,817; from the county treasurer, for dog licenses, \$4,085.76; from the state, the street railway tax, \$49,645.15; from the Boston Elevated railway tax, \$9,737.32; a total of \$319,282.38, making the total amount available from these sources and from taxes \$1,626,171.08.

Funded Debt.—The funded debt of the city January 1, 1910, was as follows:—

City Loan . . . . .	\$1,053,000 00
Sewer Loan . . . . .	319,000 00
Paving Loan . . . . .	15,000 00
Water Loan . . . . .	56,000 00
Metropolitan Park Assessment Loan . . . . .	20,000 00
Lowell Street Bridge Loan . . . . .	40,000 00
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	\$1,503,000 00

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

Highways Construction . . . . .	\$43,000 00
Highways, Paved Gutters and Crossings, . . . . .	5,000 00
Public Buildings Construction, Building . . . . .	
Public Buildings . . . . .	70,000 00
Sewers Construction . . . . .	30,000 00
Sidewalks Construction . . . . .	12,000 00
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	\$160,000 00



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

City Loan . . . . .	\$133,000 00
Sewer Loan . . . . .	17,000 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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	\$163,000 00

Leaving the funded debt of the city January 1, 1911, \$1,500,000 (a reduction of \$3,000 over the previous year), classified as follows:—

City Loan bonds bearing interest at 3½ per cent. . . . .	\$318,000 00
City Loan bonds bearing interest at 4 per cent. . . . .	732,000 00
City Loan Sewer bonds bearing interest at 3½ per cent. . . . .	92,000 00
City Loan Sewer bonds bearing interest at 4 per cent. . . . .	239,000 00
City Loan Sewer bonds bearing interest at 4½ per cent. . . . .	1,000 00
City Loan Paving bonds bearing interest at 4 per cent. . . . .	10,000 00
Water Loan bonds bearing interest at 4 per cent. . . . .	50,000 00
Metropolitan Park Assessment Loan bonds bearing interest at 3½ per cent. . . . .	19,000 00
Lowell Street Bridge bonds bearing interest at 3½ per cent. . . . .	39,000 00
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Total Funded Debt January 1, 1911 . . . . .	\$1,500,000 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, 1910, was duly submitted to the collector.

The total amount of taxable property, not including non-resident bank shares, was \$66,376,338.70, and the rate established was \$18.50 on each \$1,000 valuation, as follows:—

Real estate, valuation . . . . .	\$58,806,600 00
Personal estate, valuation . . . . .	7,516,400 00
Resident bank shares . . . . .	53,338 70
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Total valuation . . . . .	\$66,376,338 70
At a rate of \$18.50 on each \$1,000 valuation . . . . .	\$1,227,962 27
Non-resident bank shares, \$73,961.30 at \$18.50 . . . . .	1,368 28
Polls, 21,683 at \$2 . . . . .	43,366 00
Street sprinkling . . . . .	33,308 20
Suppression of gypsy and brown-tail moths . . . . .	883 96
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Total amount of tax levy . . . . .	\$1,306,888 71
Total number of persons assessed, resident and non-resident, 29,679.	

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 04	\$334,375 00
Current expenses of departments over which the board of aldermen has no control . . . . .	6 40	424,500 00
Debt requirements . . . . .	3 46	230,000 00
State and county taxes, metropolitan sewer and park assessments, and Overlay account . . . . .	3 60	239,087 27
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Total amount assessed on a valuation of \$66,376,338.70 at . . . . .	\$18 50	\$1,227,962 27
Non-resident bank shares . . . . .		1,368 28
Poll taxes assessed, credited to state and county . . . . .		43,366 00
Street sprinkling . . . . .		33,308 20
Suppression of gypsy and brown-tail moth tax . . . . .		883 96
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Total amount of tax levy . . . . .		\$1,306,888 71

The appropriations to the various accounts were as follows:—

## ACCOUNTS WITHIN THE CONTROL OF THE BOARD OF ALDERMEN.

Assessors . . . . .	\$11,000 00
City Auditor . . . . .	725 00
City Clerk . . . . .	6,000 00
City Engineer . . . . .	11,500 00
City Messenger . . . . .	1,900 00
City Solicitor . . . . .	2,450 00
City Treasurer . . . . .	9,700 00
Clerk of Committees and Departments .	4,700 00
Contingent Fund . . . . .	1,950 00
Election Expenses, City Clerk . . . .	1,700 00
Election Expenses, Commissioner of Public Buildings . . . . .	1,000 00
Election Expenses, Pay of Election Officers . . . . .	2,700 00
Election Expenses, Registrars of Voters,	1,600 00
Electrical Department . . . . .	8,500 00
Executive Department . . . . .	4,000 00
Fire Department . . . . .	32,000 00
Highways, Suppression of Elm Leaf Beetles . . . . .	1,000 00
Highways, Suppression of Gypsy and Brown-tail Moths . . . . .	1,800 00
Inspection of Buildings . . . . .	4,600 00
Military Aid . . . . .	700 00
Police . . . . .	50,000 00
Printing and Stationery . . . . .	650 00
Public Buildings Maintenance, City Buildings . . . . .	12,000 00
Public Buildings Maintenance, Fire De- partment . . . . .	4,500 00
Public Buildings Maintenance, Janitors' Salaries . . . . .	31,000 00
Public Buildings Maintenance, School- houses . . . . .	35,000 00
Public Grounds . . . . .	11,800 00
Sealer of Weights and Measures . . .	1,900 00
Soldiers' Relief . . . . .	23,000 00
Somerville Hospital . . . . .	5,000 00
Street Lights . . . . .	50,000 00
Total amount assessed on a valuation of \$66,376,338.70 at \$5.04 . . . .	\$334,375 00

## ACCOUNTS OVER WHICH THE BOARD OF ALDERMEN HAS NO CONTROL.

Health Department . . . . .	\$8,550 00
Health Department, Collection of Ashes and Offal . . . . .	50,000 00
Health Department, Contagious Disease Hospital . . . . .	1,000 00
Health Department, Medical Inspection in Public Schools . . . . .	1,450 00
Public Library . . . . .	17,000 00
Public Library, West Somerville Branch,	4,000 00
School Contingent . . . . .	27,000 00
School Teachers' Salaries . . . . .	300,000 00
Support of Poor, City Home . . . . .	3,000 00
Support of Poor, Miscellaneous . . . . .	12,500 00

Total amount assessed on a valuation  
of \$66,376,338.70 at \$6.40 . . . \$424,500 00

## ACCOUNTS PROVIDING FOR DEBT REQUIREMENTS.

Interest . . . . .	\$80,000 00
Reduction of Funded Debt . . . . .	150,000 00

Total amount assessed on a valuation  
of \$66,376,338.70 at \$3.46 . . . \$230,000 00

## PROVIDING FOR STATE AND COUNTY TAXES, ETC.

State Tax . . . . .	\$93,335 00	
Deduct one-half of poll taxes, . . . . .	21,683 00	
		\$71,652 00
County Tax . . . . .	\$64,730 82	
Deduct one-half of poll taxes, . . . . .	21,683 00	
		43,047 82
Metropolitan Sewer Assessment . . . . .		61,151 21 -
Metropolitan Park Assessment . . . . .		33,358 29
Overlay and Abatement . . . . .		20,694 41
Grade Crossing Tax . . . . .		3,454 16
Wellington Bridge Tax . . . . .		5,671 38
State Highway Tax . . . . .		58 00

Total amount assessed on a valuation  
of \$66,376,338.70 at \$3.60 . . . \$239,087 27

Collected for State on non-resident bank  
shares . . . . . 1,368 28

\$240,455 55

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 . . . . .	597 84	
	<hr/>	\$24,402 16
Water Loan Interest . . . . .		2,220 00
Reduction of Funded Debt, Water Loan Bonds . . . . .		6,000 00
Metropolitan Water Assessment . . . . .		110,056 25
Water Works Extension . . . . .	\$13,500 00	
Less unexpended balance . . . . .	2,515 37	
	<hr/>	10,984 63
Sewers Maintenance . . . . .		12,000 00
Fire Department . . . . .		49,000 00
Reduction of Funded Debt . . . . .		11,612 26
		<hr/>
		\$226,275 30

From the income from the state and county:—

Police, the amount received from the state for corporation taxes . . . . .	\$22,398 07
Police, the amount received from the state for bank taxes . . . . .	3,323 78
Police, the amount received from the clerk of the courts, for fines, costs, etc. . . . .	3,817 00
Public Library, the amount received from the county for dog licenses . . . . .	4,085 76
Highways Maintenance, from street railway tax . . . . .	49,645 15
Highways Maintenance, from Boston Elevated Railway tax . . . . .	9,737 32
	<hr/>
Total . . . . .	\$93,007 08
Total from water income and from state and county . . . . .	<hr/> <hr/>
	\$319,282 38

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

From tax levy . . . . .	\$1,306,888 71
From income . . . . .	319,282 38
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	\$1,626,171 09

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 Reduc- tion 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 . . . .	1,543,000	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 . . . .	1,473,000	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 . . . .	1,493,500	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

\*\$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

## REPORT OF THE CITY TREASURER AND COLLECTOR OF TAXES.

Treasurer's Office, February 9, 1911.

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

Gentlemen: The undersigned presents herewith the thirty-ninth 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, 1910.

### Public Property.

The value of the public property of the city December 31, 1909, was \$5,360,829.14. The property acquired during the year was as follows:—

Addition to Contagious Disease Hospital . . . . .	\$8,198 32
Tuberculosis Hospital . . . . .	3,145 35
Sewers, Construction, expended . . . . .	\$19,469 32
Less catch basins and stock on hand . . . . .	3,931 21
	15,538 11
Fire Apparatus . . . . .	4,958 37
Benjamin G. Brown School, Land . . . . .	2,783 75
Sanford Hanscom School, Land . . . . .	2,960 98
Davis School, Vocational Equipment . . . . .	1,448 93
English High School, Sanitaries and Drinking Fountains,	3,259 66
Latin High School, Sanitaries and Drinking Fountains .	238 53
English High School, Additional Equipment . . . . .	2,560 13
Broadway Park Building . . . . .	1,875 58
Lincoln Park Building . . . . .	1,647 18
Playground (North Street Gravel Land) . . . . .	1,200 00
Polling Booths . . . . .	1,783 14
Water Works Extension . . . . .	\$13,813 76
Less amounts received for Water Service	
Assessments . . . . .	2,329 13
	10,984 63
	\$62,582 66

Total public property December 31, 1910, \$5,423,411.80.

### Funded Debt.

The funded debt December 31, 1909, as per Table B of the last annual report, was \$1,503,000.

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

Highways, Construction . . . . .	\$43,000 00
Highways, Paved Gutters and Crossings . . . . .	5,000 00
Public Buildings Construction, Building Public Buildings,	70,000 00
Sidewalks, Construction . . . . .	12,000 00
Sewers, Construction . . . . .	30,000 00

Total amount of appropriations on Funded Debt account . . . . .	\$160,000 00
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To provide for the above-mentioned appropriations,



coupon bonds to the amount of \$160,000 at 4 per cent. were issued; viz. :—

City Loan Bonds Nos. 3846 to 3855, payable 1911 . . . . .	\$10,000 00
City Loan Bonds Nos. 3856 to 3865, payable 1912 . . . . .	10,000 00
City Loan Bonds Nos. 3866 to 3875, payable 1913 . . . . .	10,000 00
City Loan Bonds Nos. 3876 to 3885, payable 1914 . . . . .	10,000 00
City Loan Bonds Nos. 3886 to 3895, payable 1915 . . . . .	10,000 00
City Loan Bonds Nos. 3896 to 3905, payable 1916 . . . . .	10,000 00
City Loan Bonds Nos. 3906 to 3915, payable 1917 . . . . .	10,000 00
City Loan Bonds Nos. 3916 to 3925, payable 1918 . . . . .	10,000 00
City Loan Bonds Nos. 3926 to 3935, payable 1919 . . . . .	10,000 00
City Loan Bonds Nos. 3936 to 3945, payable 1920 . . . . .	10,000 00
City Loan Bonds Nos. 3946 to 3948, payable 1921 . . . . .	3,000 00
City Loan Bonds Nos. 3949 to 3951, payable 1922 . . . . .	3,000 00
City Loan Bonds Nos. 3952 to 3954, payable 1923 . . . . .	3,000 00
City Loan Bonds Nos. 3955 to 3957, payable 1924 . . . . .	3,000 00
City Loan Bonds Nos. 3958 to 3960, payable 1925 . . . . .	3,000 00
City Loan Bonds Nos. 3961 to 3963, payable 1926 . . . . .	3,000 00
City Loan Bonds Nos. 3964 to 3966, payable 1927 . . . . .	3,000 00
City Loan Bonds Nos. 3967 to 3969, payable 1928 . . . . .	3,000 00
City Loan Bonds Nos. 3970 to 3972, payable 1929 . . . . .	3,000 00
City Loan Bonds Nos. 3973 to 3975, payable 1930 . . . . .	3,000 00
Sewer Loan Bonds Nos. 499 to 528, payable 1911 to 1940 . . . . .	30,000 00

Total amount of bonds issued in 1910 . . . . . \$160,000 00

Coupon bonds were exchanged for registered bonds during the year as follows:—

City Loan Bond, issue of 1894 . . . . .	\$1,000 00
City Loan Bond, issue of 1895 . . . . .	1,000 00
City Loan Bond, issue of 1900 . . . . .	1,000 00
City Loan Bonds, issue of 1900 . . . . .	2,000 00
City Loan Bonds, issue of 1910 . . . . .	15,000 00
Sewer Loan Bonds, issue of 1910 . . . . .	2,000 00
	<hr/>
	\$22,000 00

The following bonds became due during the year:—

City Loan Bond No. Reg. 115, interest 3½ per cent. . . . .	\$9,000 00
City Loan Bonds Nos. 3530 to 3540, interest 4 per cent. . . . .	11,000 00
City Loan Bonds Nos. 3653 to 3659, interest 4 per cent. . . . .	7,000 00
City Loan Bonds Nos. 3726 to 3736, interest 3½ per cent. . . . .	11,000 00
City Loan Bonds Nos. 1704 to 1709, interest 4 per cent. . . . .	6,000 00
City Loan Bonds Nos. 1977 to 1990, interest 4 per cent. . . . .	14,000 00
City Loan Bonds Nos. 2172 to 2176, interest 4 per cent. . . . .	5,000 00
City Loan Bond No. Reg. 172, interest 4 per cent. . . . .	3,000 00
City Loan Bonds Nos. 2331 to 2335, interest 4 per cent. . . . .	5,000 00
City Loan Bonds Nos. 2471 to 2475, interest 4 per cent. . . . .	5,000 00
City Loan Bonds Nos. 2592 to 2595, interest 4 per cent. . . . .	4,000 00
City Loan Bond No. Reg. 180, interest 3½ per cent. . . . .	2,000 00
City Loan Bonds Nos. 2726 to 2731 } interest 3½ per cent. . . . .	8,000 00
2734 to 2735 }	
City Loan Bonds Nos. 2840 to 2846, interest 3½ per cent. . . . .	7,000 00
City Loan Bond No. Reg. 179, interest 3½ per cent. . . . .	8,000 00
City Loan Bond No. Reg. 164, interest 3½ per cent. . . . .	1,000 00
City Loan Bonds Nos. 3074 to 3082, interest 4 per cent. . . . .	9,000 00
City Loan Bonds Nos. 3235 to 3239, interest 4 per cent. . . . .	5,000 00
City Loan Bond No. 3240, interest 4 per cent. . . . .	500 00

Amount carried forward . . . . . \$120,500 00

Amount brought forward . . . . .	\$120,500 00
City Loan Bonds Nos. 3241 to 3242, interest 4 per cent. . . . .	2,000 00
City Loan Bond No. 3243, interest 4 per cent. . . . .	500 00
City Loan Bond No. Reg. 7, interest 4 per cent. . . . .	8,000 00
City Loan Bonds Nos. 3162 to 3163, interest 4 per cent. . . . .	2,000 00
Sewer Loan Bond No. Reg. 133, interest 3½ per cent. . . . .	1,000 00
Sewer Loan Bond No. Reg. 20, interest 4 per cent. . . . .	2,000 00
Sewer Loan Bond No. 440, interest 4 per cent. . . . .	1,000 00
Sewer Loan Bond No. 469, interest 3½ per cent. . . . .	1,000 00
Sewer Loan Bond No. 69, interest 4 per cent. . . . .	1,000 00
Sewer Loan Bond No. 186, interest 4 per cent. . . . .	1,000 00
Sewer Loan Bond No. 210, interest 4 per cent. . . . .	1,000 00
Sewer Loan Bond No. 232, interest 3½ per cent. . . . .	1,000 00
Sewer Loan Bond No. Reg. 168, interest 3½ per cent. . . . .	1,000 00
Sewer Loan Bond No. 285, interest 4 per cent. . . . .	1,000 00
Sewer Loan Bond No. 309, interest 4 per cent. . . . .	1,000 00
Sewer Loan Bond No. Reg. 1, interest 4 per cent. . . . .	1,000 00
Sewer Loan Bond No. Reg. 159, interest 4½ per cent. . . . .	1,000 00
Sewer Loan Bonds Nos. 126 to 128, interest 4 per cent. . . . .	3,000 00
Paving Loan Bonds Nos. 86 to 90, interest 4 per cent. . . . .	5,000 00
Water Loan Bond No. 294, interest 4 per cent. . . . .	1,000 00
Water Loan Bond No. Reg. 103, interest 4 per cent. . . . .	3,000 00
Water Loan Bonds Nos. 426 to 427, interest 4 per cent. . . . .	2,000 00
Metropolitan Park Assessment Loan Bond No. Reg. 181, interest 3½ per cent. . . . .	1,000 00
Lowell Street Bridge Loan Bond No. 1, interest 3½ per cent. . . . .	1,000 00

Total amount of bonds maturing in 1910 . . . . . \$163,000 00

Leaving the net funded debt December 31, 1910, as per Table B, \$1,500,000, classified as follows:—

	Registered.	Coupon.
City Loan Bonds at 3½ per cent. . . . .	\$86,000 00	\$232,000 00
City Loan Bonds at 4 per cent. . . . .	74,000 00	658,000 00
Sewer Loan Bonds at 3½ per cent. . . . .	32,000 00	60,000 00
Sewer Loan Bonds at 4 per cent. . . . .	62,000 00	177,000 00
Sewer Loan Bonds at 4½ per cent. . . . .		1,000 00
Paving Loan Bonds at 4 per cent. . . . .		10,000 00
Water Loan Bonds at 4 per cent. . . . .	22,000 00	28,000 00
Metropolitan Park Assessment Loan Bonds at 3½ per cent. . . . .	2,000 00	17,000 00
Lowell Street Bridge Loan Bonds, interest 3½ per cent. . . . .	5,000 00	34,000 00
	<u>\$283,000 00</u>	<u>\$1,217,000 00</u>

Registered Bonds . . . . .	\$283,000 00
Coupon Bonds . . . . .	1,217,000 00
	<u>\$1,500,000 00</u>

Funded debt within the limit fixed by law:—

City Loan . . . . .	\$1,050,000 00
Sewer Loan . . . . .	287,000 00
Lowell Street Bridge Loan . . . . .	39,000 00
	<u>\$1,376,000 00</u>

Funded debt beyond the limit fixed by law:—

Paving Loan (Chapter 153, Acts 1892)	\$10,000 00	
Sewer Loan (Chapter 357, Acts 1895)	45,000 00	
Metropolitan Park Assessment Loan (Chapter 225, Acts 1902)	19,000 00	
	<hr/>	
	\$74,000 00	
Water Loan	50,000 00	
	<hr/>	\$124,000 00
		<hr/>
		\$1,500,000 00
		<hr/> <hr/>

**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 was \$66,376,338.70, and the rate of taxation was \$18.50 on each \$1,000 of valuation, as follows:—

Real estate, valuation	\$58,806,600 00
Personal estate, valuation	7,569,738 70
	<hr/>
	\$66,376,338 70
At a rate of \$18.50 on \$1,000 valuation	\$1,227,962 27
Polls, 21,683 at \$2	43,366 00
Street sprinkling	33,308 20
Suppression of gypsy and brown-tail moths	883 96
Non-resident bank shares to be paid to state	1,363 28
	<hr/>
Total amount of tax levy	\$1,306,888 71
Borrowed on Funded Debt account, to provide for the cost of public improvements	160,000 00
Water works income	226,275 30
National bank taxes, applied to Police	3,323 78
Corporation taxes, applied to Police	22,398 07
Court fees, fines, etc., applied to Police	3,817 00
County of Middlesex, dog licenses, applied to Public Library	4,085 76
Street Railway tax for the year 1910, applied to Highways Maintenance	49,645 15
Boston Elevated Railway tax for the year 1910, applied to Highways Maintenance	9,737 32
	<hr/>
Total amount of resources	\$1,786,171 09

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

CREDIT BALANCES.

Electrical Department, Underground Construction	\$269 37
Highways, Construction	1,817 69
Highways Construction, Lowell Street Bridges	10,907 18
Public Buildings Construction:—	
Building Public Buildings	1,055 03
Bennett School Addition	990 00
Burns School Addition	778 00
Davis School, Vocational Equipment	3,751 07
Martin W. Carr School, Land Addition	5,293 55
Schoolhouse in Ward Seven	31,992 55
	<hr/>
Amount carried forward	\$80,043 90

Amount brought forward . . . . .	\$80,043 90
Schoolhouses, Additional Window Space . . . . .	1,900 00
William H. Hodgkins School Addition . . . . .	7,980 55
Park Buildings, Broadway and Lincoln Parks . . . . .	977 24
Tuberculosis Hospital . . . . .	4,854 65
Sewers, Construction . . . . .	5,281 94
Sidewalks, Construction . . . . .	2,195 08
	<hr/>
	\$80,043 90
Highways, Maintenance . . . . .	9,569 67
Reduction of Funded Debt . . . . .	327 20
Public Library:—	
Isaac Pitman Fund, Income, Art . . . . .	172 52
Isaac Pitman Fund, Income, Poetry . . . . .	39 72
Frances A. Wilder Children's Department Fund, In- come . . . . .	6 15
	<hr/>
	\$90,159 16

**Cash.**

Balance on hand January 1, 1910 . . . . .	\$112,839 55
Total cash receipts for the year 1910 . . . . .	2,517,741 64
	<hr/>
Total cash disbursements for the year 1910 . . . . .	\$2,630,581 19
	<hr/>
Balance in the treasury December 31, 1910 . . . . .	\$107,788 97
Deposits in banks . . . . .	\$105,595 69
Cash on hand . . . . .	2,193 28
	<hr/>
	\$107,788 97

**Assets and Liabilities.**

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

## Available assets:—

Taxes, uncollected . . . . .	\$291,943 18
Highway Betterment Assess- ments, uncollected . . . . .	5,519 80
Sewer Assessments, uncollected . . . . .	2,374 03
Sidewalk Assessments, uncol- lected . . . . .	5,278 18
Metered Water Charges, uncol- lected . . . . .	15,819 10
	<hr/>
	\$320,934 29
Commonwealth of Massachusetts . . . . .	17,657 50
Grade Crossings . . . . .	33,760 16
Real Estate Liens . . . . .	3,027 52
Cash in treasury . . . . .	107,788 97
	<hr/>
	\$483,168 44
Unfunded liabilities:—	
Coupons . . . . .	\$13,675 00
Overplus on Tax Sales . . . . .	118 13
Sundry Persons . . . . .	699 65
Temporary Loans . . . . .	350,000 00
	<hr/>
	\$364,492 78
Excess of available assets . . . . .	\$118,675 66

**Balance Sheet.**

DEBIT.		
Public Property . . . . .	\$5,423,411 80	
Excess of available assets . . . . .	118,675 66	
	\$5,542,087 46	
CREDIT.		
Excess of appropriations from Funded Debt and from Income . . . . .	\$90,159 16	
Excess of appropriations from tax levy . . . . .	7,311 63	
Excess of appropriations from tax levy, Overlay and Abatement . . . . .	21,204 87	
Present Funded Debt . . . . .	1,500,000 00	
	\$1,618,675 66	
Property and Debt Balance or Municipal Capital . . . . .	3,923,411 80	
	\$5,542,087 46	

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, 1910.

Central Hill land (389,920 feet) . . . . .		\$270,000 00
City Hall . . . . .	\$35,332 32	
Furniture and fixtures . . . . .	10,000 00	
Storage vault . . . . .	2,342 91	
		<hr/> 47,675 23
Public Library building . . . . .	42,000 00	
Public Library building, West Somerville . . . . .	25,449 52	
Public Library . . . . .	25,000 00	
		<hr/> 92,449 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 . . . . .	1,448 93	
		<hr/> 24,568 93
Edgerly Schoolhouse, land (24,000 feet) and building . . . . .	43,800 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 apparatus . . . . .	10,760 13	
Books . . . . .	12,000 00	
		<hr/> 163,919 79
Amount carried forward . . . . .		<hr/> \$914,553 53

Amount brought forward . . . . .		\$914,553 53
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. Duréll 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 (20,450 feet) and building . . . . .	51,000 00	
Furniture . . . . .	2,300 00	
Books . . . . .	2,800 00	
	<hr/>	56,600 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	
Furniture . . . . .	1,480 00	
Books . . . . .	800 00	
	<hr/>	52,626 16
Amount carried forward . . . . .		\$1,596,392 71

Amount brought forward . . . . .		\$1,596,392 71
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 (16,250 feet) and building . . . . .	57,268 32	
Furniture . . . . .	2,180 00	
Books . . . . .	1,000 00	
	<hr/>	60,448 32
William H. Hodgkins Schoolhouse, land (35,034 feet) and building . . . . .	69,300 00	
Furniture . . . . .	2,400 00	
Books . . . . .	2,300 00	
	<hr/>	74,000 00
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	
	<hr/>	125,933 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	
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	
	<hr/>	
Amounts carried forward . . . . .	\$61,043 18	\$2,216,316 74



Amounts brought forward . . . . .	\$61,043 18	\$2,216,316 74
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	
	<hr/>	57,000 00
City Home, Broadway, land (421,646 feet) and buildings . . . . .	36,807 64	
Furniture . . . . .	1,426 09	
	<hr/>	38,233 73
Contagious Disease Hospital . . . . .	19,454 48	
Land (88,364 feet) . . . . .	15,600 00	
	<hr/>	35,054 48
Tuberculosis Hospital building . . . . .		3,145 35
Bath House . . . . .		3,730 24
Water Works . . . . .		927,837 11
Sewers . . . . .		1,249,263 30
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 . . . . .	1,875 58	
	<hr/>	271,875 58
Nathan Tufts Park (about 4 54-100 acres, 217,572 feet) . . . . .		68,000 00
		<hr/>
Amount carried forward . . . . .		\$5,128,907 06

Amount brought forward . . . . .		\$5,128,907 06
Lincoln Park, Washington street (283,764 square feet) . . . . .	\$63,200 00	
Out-door Gymnasium . . . . .	800 00	
Park Building . . . . .	1,647 18	
		<hr/> 65,647 18
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
College avenue, land (18,000 feet) . . . . .		6,000 00
Webster avenue, land (10,000 feet) . . . . .		2,500 00
Holland street, land (217,800 feet) . . . . .		35,500 00
Gravel land in Waltham (about 35 acres) . . . . .		14,393 12
Gravel land rear North street (199,043 feet) . . . . .		6,700 00
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 . . . . .
		\$5,423,411 80

**TABLE B.**  
**OUTSTANDING BONDS, JANUARY 1, 1911.**

ISSUE.	Rate per cent. of Interest.	Water.	Paving.	Metropolitan Park Assessment.	Lowell Street Bridge.	Sewer.	Sewer, Outside Limit.	City.	Total.
July 1, 1888 . . . . .	4	\$8,000	.....	.....	.....	.....	.....	.....	.....
Oct. 1, 1889 . . . . .	4	22,000	.....	.....	.....	.....	.....	.....	.....
Oct. 1, 1890 . . . . .	4	20,000	.....	.....	.....	.....	.....	.....	.....
Oct. 1, 1892 . . . . .	4	.....	\$10,000	.....	.....	.....	.....	.....	.....
Oct. 1, 1893 . . . . .	4 1/2	.....	.....	.....	.....	\$1,000	.....	.....	.....
July 1, 1894 . . . . .	4	.....	.....	.....	.....	4,000	.....	\$24,000	.....
July 1, 1895 . . . . .	4	.....	.....	.....	.....	.....	\$45,000	67,000	.....
July 1, 1896 . . . . .	4	.....	.....	.....	.....	.....	.....	43,000	.....
July 1, 1897 . . . . .	4	.....	.....	.....	.....	12,000	.....	29,000	.....
July 1, 1898 . . . . .	4	.....	.....	.....	.....	13,000	.....	40,000	.....
July 1, 1899 . . . . .	4	.....	.....	.....	.....	.....	.....	30,000	.....
July 2, 1900 . . . . .	3 1/2	.....	.....	.....	.....	.....	.....	42,000	.....
July 1, 1901 . . . . .	3 1/2	.....	.....	.....	.....	21,000	.....	47,000	.....
July 1, 1902 . . . . .	3 1/2	.....	.....	\$19,000	.....	17,000	.....	47,000	.....
Oct. 1, 1903 . . . . .	4	.....	.....	.....	.....	18,000	.....	67,000	.....
July 1, 1904 . . . . .	4	.....	.....	.....	.....	.....	.....	26,000	.....
April 1, 1905 . . . . .	3 1/2	.....	.....	.....	.....	19,000	.....	57,000	.....
July 1, 1906 . . . . .	4	.....	.....	.....	.....	25,000	.....	73,000	.....
April 1, 1907 . . . . .	4	.....	.....	.....	.....	16,000	.....	48,000	.....
April 1, 1908 . . . . .	4	.....	.....	.....	.....	54,000	.....	105,000	.....
April 1, 1909 . . . . .	3 1/2	.....	.....	.....	.....	28,000	.....	66,000	.....
April 1, 1910 . . . . .	4	.....	.....	.....	.....	29,000	.....	109,000	.....
.....	.....	.....	.....	.....	.....	30,000	.....	130,000	.....
.....	.....	\$50,000	\$10,000	\$19,000	\$39,000	\$287,000	\$45,000	\$1,050,000	\$1,500,000

BONDS DUE IN 1911.

ISSUE.	Rate per cent. of Interest.	City.	Sewer.	Sewer, Outside limit.	Water.	Paving.	Metropolitan Park Assessment	Lowell Street Bridge.	Total.
July 1, 1888	4	.....	.....	.....	\$1,000	.....	.....	.....	.....
Oct. 1, 1889	4	.....	.....	.....	3,000	.....	.....	.....	.....
Oct. 1, 1890	4	.....	.....	.....	2,000	.....	.....	.....	.....
Oct. 1, 1892	4	.....	.....	.....	.....	\$5,000	.....	.....	.....
Oct. 1, 1893	4½	.....	\$1,000	.....	.....	.....	.....	.....	.....
July 1, 1894	4	.....	1,000	.....	.....	.....	.....	.....	.....
July 1, 1895	4	\$6,000	.....	\$3,000	.....	.....	.....	.....	.....
July 1, 1896	4	14,000	.....	.....	.....	.....	.....	.....	.....
July 1, 1897	4	8,000	.....	.....	.....	.....	.....	.....	.....
July 1, 1897	4	5,000	1,000	.....	.....	.....	.....	.....	.....
July 1, 1898	4	5,000	1,000	.....	.....	.....	.....	.....	.....
July 1, 1899	4	4,000	.....	.....	.....	.....	.....	.....	.....
July 2, 1900	3½	5,000	.....	.....	.....	.....	.....	.....	.....
July 1, 1901	3½	7,000	1,000	.....	.....	.....	.....	.....	.....
July 1, 1902	3½	9,000	1,000	.....	.....	.....	\$1,000	.....	.....
July 1, 1903	4	9,000	1,000	.....	.....	.....	.....	.....	.....
Oct. 1, 1903	4	2,000	.....	.....	.....	.....	.....	.....	.....
July 1, 1904	4	8,000	.....	.....	.....	.....	.....	.....	.....
April 1, 1905	3½	9,000	1,000	.....	.....	.....	.....	.....	.....
July 1, 1906	4	8,000	1,000	.....	.....	.....	.....	.....	.....
April 1, 1907	4	11,000	2,000	.....	.....	.....	.....	.....	.....
April 1, 1908	4	7,000	1,000	.....	.....	.....	.....	.....	.....
April 1, 1909	3½	11,000	1,000	.....	.....	.....	.....	\$1,000	.....
April 1, 1910	4	10,000	1,000	.....	.....	.....	.....	.....	.....
		\$138,000	\$15,000	\$3,000	\$6,000	\$5,000	\$1,000	\$1,000	\$169,000

**Recapitulation.**

City Loan Bonds . . . . .	\$1,050,000 00	
Sewer Loan Bonds . . . . .	287,000 00	
Lowell Street Bridge Loan Bonds . . . . .	39,000 00	
<hr/>		
Total amount of Funded Debt within the limit provided by law . . . . .		\$1,376,000 00
Sewer Loan Bonds, issued under Chapter 357, Acts of 1895 . . . . .	\$45,000 00	
City Loan Paving Bonds, issued under Chapter 153, Acts of 1892 . . . . .	10,000 00	
Metropolitan Park Assessment Loan Bonds, issued under Chapter 325, Acts of 1902 . . . . .	19,000 00	
<hr/>		
Total amount of Funded Debt outside of the limit allowed by law, issued under special acts . . . . .		74,000 00
Water Loan Bonds . . . . .		50,000 00
<hr/>		
Total amount of Funded Debt . . . . .		\$1,500,000 00

**TABLE C.— STATEMENT OF ACCOUNTS, SHOWING APPROPRIATIONS, EXPENDITURES, ETC., TO DECEMBER 31, 1910.**

**Appropriations.**

CREDIT.

Taxes, amount assessed for municipal purposes . . . . .	\$988,875 00
Property and Debt Balance, amount provided by issue of bonds . . . . .	160,000 00
	<hr/>
	\$1,148,875 00

DEBIT.

Appropriations from tax levy:—	
Assessors . . . . .	\$11,000 00
City Auditor . . . . .	725 00
City Clerk . . . . .	6,000 00
City Engineer . . . . .	11,500 00
City Messenger . . . . .	1,900 00
City Solicitor . . . . .	2,450 00
City Treasurer . . . . .	9,700 00
Clerk of Committees and Departments . . . . .	4,700 00
Contingent Fund . . . . .	1,950 00
Election Expenses:—	
City Clerk . . . . .	1,700 00
Commissioner of Public Buildings . . . . .	1,000 00
Pay of Election Officers . . . . .	2,700 00
Registrars of Voters . . . . .	1,600 00
Electrical Department . . . . .	8,500 00
Executive Department . . . . .	4,000 00
Fire Department . . . . .	32,000 00
Health Department . . . . .	8,550 00
Health Department, Collection of Ashes and Offal . . . . .	50,000 00
<hr/>	
Amount carried forward . . . . .	\$159,975 00

Amount brought forward . . . . .	\$159,975 00	
Health Department, Contagious Disease Hospital . . . . .	1,000 00	
Health Department, Medical Inspection in Public Schools . . . . .	1,450 00	
Highways:—		
Suppression of Elm-Leaf Beetle . . . . .	1,000 00	
Suppression of Gypsy and Brown-Tail Moths . . . . .	1,800 00	
Inspection of Buildings . . . . .	4,600 00	
Interest . . . . .	80,000 00	
Military Aid . . . . .	700 00	
Police . . . . .	50,000 00	
Printing and Stationery . . . . .	650 00	
Public Buildings Maintenance:—		
City Buildings . . . . .	12,000 00	
Fire Department . . . . .	4,500 00	
Janitors' Salaries . . . . .	31,000 00	
Schoolhouses . . . . .	35,000 00	
Public Grounds . . . . .	11,800 00	
Public Library . . . . .	17,000 00	
Public Library, West Somerville Branch . . . . .	4,000 00	
Reduction of Funded Debt . . . . .	150,000 00	
School Contingent . . . . .	27,000 00	
School Teachers' Salaries . . . . .	300,000 00	
Sealer of Weights and Measures . . . . .	1,900 00	
Soldiers' Relief . . . . .	23,000 00	
Somerville Hospital . . . . .	5,000 00	
Street Lights . . . . .	50,000 00	
Support of Poor, City Home . . . . .	3,000 00	
Support of Poor, Miscellaneous . . . . .	12,500 00	
		\$988,875 00
Appropriations on Funded Debt account:—		
Highways, Construction . . . . .	\$43,000 00	
Highways, Paved Gutters and Crossings . . . . .	5,000 00	
Public Buildings Construction, Building Public Buildings . . . . .	70,000 00	
Sidewalks, Construction . . . . .	12,000 00	
Sewers, Construction . . . . .	30,000 00	
		160,000 00
		<u>\$1,148,875 00</u>

**Assessors.**

## CREDIT.

Appropriations, from Taxes, 1910 . . . . .	\$11,000 00
Excess and Deficiency account, balance transferred . . . . .	172 46
	<u>\$10,327 54</u>

## 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
Amount carried forward . . . . .	<u>\$4,400 00</u>

Amount brought forward . . . . .	\$4,400 00	
Harry Van Iderstine, assessor . . . . .	644 46	
Fred B. Clapp, assistant assessor . . . . .	250 00	
John F. Stackpole, assistant assessor . . . . .	250 00	
James Wilson, assistant assessor . . . . .	250 00	
James A. Butler, assistant assessor . . . . .	250 00	
George S. Benfield, assistant assessor . . . . .	250 00	
J. Robert Fenelon, assistant assessor . . . . .	250 00	
Jennie L. Jones, first assistant clerk . . . . .	422 18	
carfares . . . . .	7 80	
Mabel E. Hall, second assistant clerk . . . . .	600 00	
carfares . . . . .	1 80	
Abbie D. Southworth, third assistant clerk . . . . .	600 00	
carfares . . . . .	6 80	
Stanley C. Converse, clerical services . . . . .	62 00	
Frank H. Smith, clerical services . . . . .	60 00	
Theodore H. Locke, clerical services . . . . .	58 00	
Raymond A. Farr, clerical services . . . . .	58 00	
Lois E. Chickering, clerical services . . . . .	141 34	
May F. Dutton, clerical services . . . . .	150 68	
Josephine M. Sander, clerical services . . . . .	181 34	
Bertha M. Boyd, clerical services . . . . .	298 34	
Hazel M. Etter, clerical services . . . . .	177 35	
Blanch M. Benson, clerical services . . . . .	53 34	
Edith H. Bradford, clerical services . . . . .	112 00	
Lula E. Chapman, clerical services . . . . .	131 34	
The Carter's Ink Co., ink . . . . .	75	
L. E. Clayton, stationery . . . . .	1 10	
Glines & Co., expressing . . . . .	70	
Thomas Groom & Co., books and stationery . . . . .	255 13	
W. A. Greenough & Co., directory . . . . .	4 00	
E. F. Hicks, lunch . . . . .	11 00	
M. Allen Lindsey & Co., precinct lists . . . . .	542 00	
Wesley A. Maynard, advertising, etc. . . . .	48 25	
New England Telephone & Telegraph Co., service . . . . .	54 58	
Pneumatic Hand Stamp Co., stamps . . . . .	40	
Somerville Journal Co., printing, etc. . . . .	138 75	
Somerville Post-office, postage . . . . .	60 00	
Thorpe's Express, expressing . . . . .	25	
Williams & Neiley, blanks . . . . .	9 60	
Samuel Ward Co., stationery . . . . .	31 46	
Yawman, Erbe Mfg. Co., indexes . . . . .	2 80	
		<u>\$10,827 54</u>

**Cash.**

RECEIPTS.

Balance from 1909 . . . . .		\$112,839 55
City Clerk . . . . .	\$2,710 07	
City Engineer . . . . .	135 00	
City Treasurer . . . . .	5,485 21	
Contingent Fund . . . . .	58 00	
County of Middlesex . . . . .	4,535 76	
Electrical Department . . . . .	300 00	
Electrical Department, Underground Construction . . . . .	300 00	
Amount carried forward . . . . .	\$13,524 04	

Amount brought forward . . . . .	\$13,524 04
Fire Department . . . . .	1,452 53
Funded Debt . . . . .	160,000 00
Grade Crossings . . . . .	20,577 86
Health Department . . . . .	734 40
Health Department, Collection of Ashes and Offal . . . . .	10,082 95
Health Department, Contagious Disease Hospital . . . . .	5,196 37
Highway Betterment Assessments . . . . .	7,466 27
Highways, Construction . . . . .	661 30
Highways, Maintenance . . . . .	22,188 35
Highways, Paved Gutters and Crossings . . . . .	149 87
Highways, Sprinkling Streets . . . . .	59 07
Inspection of Buildings . . . . .	3 95
Interest . . . . .	11,810 51
Metered Water Charges . . . . .	15,658 30
Overlay and Abatement . . . . .	11 50
Police . . . . .	4,600 77
Public Buildings Construction:—	
Sanford Hanscom School, Land Addi- tion . . . . .	2,025 00
Public Buildings Maintenance:—	
City Buildings . . . . .	849 00
Schoolhouses . . . . .	242 27
Public Grounds . . . . .	2,023 34
Public Library . . . . .	846 32
Public Library, West Somerville Branch . . . . .	381 47
Public Library, Isaac Pitman Fund, Income, Art . . . . .	165 02
Public Library, Isaac Pitman Fund, Income, Poetry . . . . .	41 26
Public Library, Frances A. Wilder Chil- dren's Department Fund, Income . . . . .	1 75
Redemption of Tax Liens . . . . .	1,696 77
Reduction of Funded Debt . . . . .	507 20
School Contingent . . . . .	578 59
School Teachers' Salaries . . . . .	13 12
Sealer of Weights and Measures . . . . .	509 22
Sewer Assessments . . . . .	9,675 64
Sewers, Construction . . . . .	415 30
Sewers, Maintenance . . . . .	559 91
Sidewalk Assessments . . . . .	12,750 79
Sewers, Construction . . . . .	15 00
Sidewalks, Maintenance . . . . .	158 88
Soldiers' Relief . . . . .	78 00
State Aid . . . . .	16 00
State of Massachusetts . . . . .	29,406 25
Support of Poor, City Home . . . . .	5,239 65
Support of Poor, Miscellaneous . . . . .	2,770 81
Taxes, 1905 . . . . .	11 15
1906 . . . . .	44 54
1907 . . . . .	250 10
1908 . . . . .	2,105 99
1909 . . . . .	259,483 54
1910 . . . . .	1,030,415 99
Temporary Loans . . . . .	650,000 00
Water Maintenance . . . . .	16,709 80
Amount carried forward . . . . .	\$2,304,170 71



Amount brought forward . . . . .	\$2,304,170 71	
Water Service Assessments . . . . .	2,829 13	
Water Works Extension . . . . .	58 63	
Water Works Income . . . . .	210,683 17	
	<hr/>	2,517,741 64
		<hr/>
		\$2,630,581 19

PAYMENTS.

Assessors . . . . .	\$10,827 54
City Auditor . . . . .	708 25
City Clerk . . . . .	8,337 09
City Engineer . . . . .	11,634 93
City Messenger . . . . .	1,886 76
City Solicitor . . . . .	2,490 29
City Treasurer . . . . .	15,029 94
Clerk of Committees and Departments . . . . .	4,699 66
Contingent Fund . . . . .	4,966 70
County of Middlesex . . . . .	64,730 82
Coupons . . . . .	47,940 00
Election Expenses:—	
City Clerk . . . . .	1,496 44
Commissioner of Public Buildings . . . . .	598 10
Pay of Election Officers . . . . .	2,631 00
Registrars of Voters . . . . .	1,524 76
Electrical Department . . . . .	8,790 47
Electrical Department, Underground Construction . . . . .	4,359 53
Executive Department . . . . .	3,953 78
Fire Department . . . . .	82,840 54
Fire Department, Additional Apparatus . . . . .	4,958 37
Grade Crossings . . . . .	70,724 17
Health Department . . . . .	11,620 38
Health Department, Collection of Ashes and Offal . . . . .	70,721 19
Health Department, Hospital for Contagious Diseases . . . . .	8,966 35
Health Department, Medical Inspection . . . . .	1,400 00
Highways, Construction . . . . .	53,936 82
Highways, Lowell Street Bridges . . . . .	9,109 95
Highways, Maintenance . . . . .	82,441 94
Highways, Paved Gutters and Crossings . . . . .	6,885 99
Highways, Suppression of Elm-Leaf Beetle, Brown-tail Moths . . . . .	757 31
Highways, Sprinkling Streets . . . . .	2,319 42
Inspection of Buildings . . . . .	28,408 46
Interest . . . . .	4,512 74
Military Aid . . . . .	27,955 81
Overlay and Abatement . . . . .	756 00
Playgrounds . . . . .	89 95
Police . . . . .	708 87
Printing and Stationery . . . . .	94,429 66
Public Buildings Construction:—	1,816 49
Benjamin G. Brown School, Land Addition . . . . .	2,783 75
Bennett School Addition . . . . .	10 00
Burns School Addition . . . . .	5 00
Davis School, Vocational Equipment . . . . .	1,448 93
Amount carried forward . . . . .	<hr/>
	\$766,214 15

• Amount brought forward . . . . .	\$766,214 15	
English High School, Additional School Equipment . . . . .	2,560 13	
Martin W. Carr School, Land Addition . . . . .	6 45	
New Sanitariums and Drinking Fountains, High School Buildings . . . . .	5,820 74	
Sanford Hanscom School, Land Ad- dition . . . . .	4,985 98	
Schoolhouse in Ward Seven . . . . .	7 45	
William H. Hodgkins School, Addition . . . . .	19 45	
Addition to Contagious Disease Hos- pital . . . . .	8,198 32	
Park Buildings, Broadway and Lincoln Parks . . . . .	3,522 76	
Polling Booths . . . . .	1,783 14	
Tuberculosis Hospital . . . . .	3,145 35	
Public Buildings Maintenance:—		
City Buildings . . . . .	19,219 89	
Fire Department . . . . .	6,246 41	
Janitors' Salaries . . . . .	31,531 30	
Schoolhouses . . . . .	42,571 85	
Public Grounds . . . . .	12,916 45	
Public Grounds Construction . . . . .	1,200 00	
Public Library . . . . .	21,932 08	
Public Library, West Somerville Branch . . . . .	5,381 28	
Public Library, Isaac Pitman Fund, In- come, Art . . . . .	119 77	
Public Library, Isaac Pitman Fund, In- come, Poetry . . . . .	35 80	
Redemption of Tax Liens . . . . .	1,670 77	
Reduction of Funded Debt . . . . .	163,180 00	
School Contingent . . . . .	32,313 91	
School Teachers' Salaries . . . . .	292,398 47	
Sealer of Weights and Measures . . . . .	2,318 39	
Sewers, Construction . . . . .	19,469 32	
Sewers, Maintenance . . . . .	12,538 65	
Sidewalks, Construction . . . . .	23,350 29	
Sidewalks, Maintenance . . . . .	2,059 68	
Soldiers' Burials . . . . .	592 00	
Soldiers' Relief . . . . .	24,226 57	
Somerville Hospital . . . . .	5,000 00	
State Aid . . . . .	16,705 00	
State of Massachusetts . . . . .	206,054 07	
Street Lights . . . . .	53,484 88	
Support of Poor, City Home . . . . .	7,695 89	
Support of Poor, Miscellaneous . . . . .	16,110 42	
Temporary Loans . . . . .	650,000 00	
Water Loan Interest . . . . .	1,000 00	
Water Maintenance . . . . .	41,111 96	
Water Works, Abatements of Water Charges . . . . .	220 81	
Water Works Extension . . . . .	13,872 39	
	<hr/>	
	\$2,522,792 22	
Balance to debit of account, 1911 . . . . .	107,788 97	
	<hr/>	
	<u>\$2,630,581 19</u>	

**City Auditor.**

CREDIT.

Appropriations, from Taxes, 1910 . . . . .	\$725 00
Excess and Deficiency account, balance transferred . . . . .	16 75
	\$708 25

DEBIT.

Cash, paid Clarence T. Bruce, salary as auditor . . . . .	\$700 00
disbursements . . . . .	35
Pneumatic Hand Stamp Co., stamps . . . . .	7 90
	\$708 25

**City Clerk.**

CREDIT.

Appropriations from Taxes, 1910 . . . . .	\$6,000 00
Excess and Deficiency account, balance transferred . . . . .	372 98
	\$5,627 02

Cash, received of Frederic W. Cook, city clerk:—

Recording mortgages . . . . .	\$510 00
Dog licenses . . . . .	361 80
Marriage certificates . . . . .	833 00
Amusements . . . . .	171 00
Transporting liquors . . . . .	12 00
Junk licenses . . . . .	265 00
Badges . . . . .	2 25
Street musicians . . . . .	10 00
Copies of records . . . . .	117 75
Wagon licenses . . . . .	115 00
Liquor licenses . . . . .	33 00
Billiards and pool . . . . .	144 00
Intelligence offices . . . . .	22 00
Auctioneers' licenses . . . . .	50 00
Slaughtering . . . . .	5 00
Drivers' licenses . . . . .	4 00
Wagon stands . . . . .	4 00
Private detectives . . . . .	30 00
Sale of old ballots . . . . .	3 28
Interest on deposits . . . . .	12 99
Hackney carriages . . . . .	3 00
Certificates of registration . . . . .	1 00
	2,710 07
	\$8,337 09

DEBIT.

(Expenditures.)

Cash, paid Frederic W. Cook, salary as city clerk . . . . .	\$2,700 00
Howard E. Wemyss, assistant city clerk . . . . .	1,400 00
Clara B. Snow, first assistant . . . . .	800 00
Edith A. Woodman, second assistant . . . . .	590 41
Alice M. Vincent, third assistant . . . . .	588 50
Florence H. Plimpton, fourth assistant . . . . .	588 50
	\$6,667 41
Amount carried forward . . . . .	\$6,667 41

Amount brought forward . . . . .	\$6,667 41
American Surety Co. of New York, premium . . . . .	8 00
American Express Co., expressing . . . . .	17 20
Allen, Doane & Co., badges . . . . .	3 08
American Multigraph Sales Co., repairs, T. H. Ball, forms . . . . .	5 60
Robert Burlen, book covers . . . . .	17 20
May G. Canfield, canvassing . . . . .	39 20
The Carter's Ink Co., ink . . . . .	9 08
Dennison-Pratt Paper Co., Inc., paper . . . . .	2 80
Damon of Boston, year book . . . . .	2 00
John Donnelly & Sons, posting . . . . .	3 00
Duren & Kendall, repairing machine . . . . .	12 00
Clara Z. Elliot, canvassing . . . . .	12 90
Elliott Fisher Co., repairing machine . . . . .	2 95
Annie M. Gilcrease, canvassing . . . . .	51 70
Glines & Co., expressing . . . . .	1 15
A. C. Gordon, lettering . . . . .	2 00
Thomas Groom & Co., book . . . . .	5 50
W. A. Greenough & Co., directory . . . . .	4 00
Morton B. Howard, canvassing . . . . .	33 20
Munson Supply Co., pneumatic keys . . . . .	7 00
McGrath & Woodley, binding . . . . .	22 00
Wesley A. Maynard, printing and adver- tising . . . . .	39 65
The Monarch Typewriter Co., machine and repairs . . . . .	45 10
P. B. Murphy, posters . . . . .	1 75
New England Telephone & Telegraph Co., service . . . . .	168 80
Pneumatic Hand Stamp Co., numbering machines, etc. . . . .	19 21
Clinton I. Prouty, canvassing . . . . .	24 80
Sampson & Murdock Co., directory . . . . .	6 00
Somerville Journal Co., printing and advertising . . . . .	121 98
Somerville Post-office, postage . . . . .	313 90
Sundry persons, reporting births . . . . .	396 25
Sundry persons, reporting deaths . . . . .	164 00
Richard H. Tincker, canvassing . . . . .	62 30
Thorpe's Express, expressing . . . . .	1 05
Whitney & Snow, supplies . . . . .	55
Samuel Ward Co., office supplies . . . . .	39 22
	<hr/>
	\$3,337 09

**City Engineer.**

## CREDIT.

Appropriations, from Taxes, 1910 . . . . .	\$11,500 00
Excess and Deficiency account, balance transferred . . . . .	07
	<hr/>
	\$11,499 93
Receipts:—	
Cash, received of Messrs. Slocum, Boutwell, Kaan, and Elder, city solicitors of Newton, Malden, Somer- ville, and Medford, services of men taking account of travel, etc. . . . .	80 00
	<hr/>
Amount carried forward . . . . .	\$11,579 93

Amount brought forward . . . . .		\$11,579 93
Cash, received of abutters, as follows:—		
Russell road, plan . . . . .	8 00	
Victoria street, plan . . . . .	8 00	
Fremont street, plan . . . . .	10 00	
Paulina street, plan . . . . .	8 00	
Hill street, plan . . . . .	5 00	
Lawrence street, plan . . . . .	8 00	
Fairmount avenue, plan . . . . .	8 00	
		55 00
		\$11,634 93

DEBIT.

(Expenditures.)

Cash, paid Ernest W. Bailey, salary as city engineer . . . . .	\$3,000 00	
allowance for team . . . . .	205 00	
Engineer's assistants . . . . .	7,234 25	
Engineer's assistants, carfares . . . . .	188 25	
American Express Co., expressing . . . . .	1 85	
D. J. Bennett, repairing . . . . .	1 65	
Robert Burlen, bookbinding . . . . .	45 90	
L. E. Clayton, cloth . . . . .	2 70	
Davenport-Brown Co., stakes . . . . .	15 68	
Frost & Adams Co., tracing cloth, etc. . . . .	16 56	
Thomas Groom & Co., office supplies . . . . .	40 77	
Glines & Co., expressing . . . . .	30	
Gilman Express Co., expressing . . . . .	30	
P. J. Kinneen, shoeing . . . . .	12 00	
Library Bureau, cards . . . . .	3 15	
Ledder & Probst, supplies and repairing, Municipal Journal, subscription . . . . .	155 22	
B. L. Makepeace, paper, etc. . . . .	3 00	
Caroline W. Maynard, repairing weights, New England Telephone & Telegraph Co., service . . . . .	4 34	
Old Corner Book Store, books . . . . .	4 50	
Stimpson & Co., paper . . . . .	113 74	
Somerville Post-office, stamps, etc. . . . .	11 40	
Spaulding Print Paper Co., paper . . . . .	9 68	
Smith-Premier Typewriter Co., ribbons and repairs . . . . .	14 00	
James Tevlin, board of horse . . . . .	1 08	
The Underhill Co., repairing automobile, Charles L. Underhill, sharpening . . . . .	27 25	
A. M. Vincent, typewriting . . . . .	90 00	
Waldo Brothers, cement . . . . .	33 64	
Wadsworth, Howland & Co., ink, pencils, etc. . . . .	80	
Whitney & Snow, spikes, etc. . . . .	10 00	
William J. Wiley, paint . . . . .	4 05	
		\$11,266 32
Highways Maintenance account, crushed stone, etc. . . . .	13 57	
Public Grounds account, labor setting stone bounds . . . . .	296 54	
Sewers Maintenance account, labor setting stone bounds . . . . .	53 50	
		\$11,634 93

**City Messenger.**

## CREDIT.

Appropriations, from Taxes, 1910 . . . . .	\$1,900 00
Excess and Deficiency account, balance transferred . . . . .	13 24
	<hr/>
	\$1,886 76

## DEBIT.

## (Expenditures.)

Cash, paid Jairus Mann, salary as city messenger . . . . .	\$1,500 00
H. A. Brownell, blanket, etc. . . . .	7 15
Jameson Brothers, carriage hire and board of horse . . . . .	310 00
Morgan & Bond, mat . . . . .	2 75
New England Telephone & Telegraph Co., service . . . . .	25 06
Pearl Street Shoeing Forge, horse-shoeing . . . . .	30 55
A. P. Rockwood, carriage hire . . . . .	6 00
Somerville Post-office, postage . . . . .	1 75
Charles L. Underhill, bolts, etc. . . . .	3 50
	<hr/>
	\$1,886 76

**City Solicitor.**

## CREDIT.

Appropriations, from Taxes, 1910 . . . . .	\$2,450 00
Excess and Deficiency account, balance transferred . . . . .	40 29
	<hr/>
	\$2,490 29

## DEBIT.

## (Expenditures.)

Cash, paid Frank W. Kaan, salary as city solicitor . . . . .	\$2,100 00
disbursements . . . . .	231 02
Thomas Damery, salary as claim agent . . . . .	24 99
James M. Harmon, salary as claim agent . . . . .	75 01
Edward E. Elder, proportion expenditure for experts, etc., relating to apportionment of cost of Charles-river dam . . . . .	36 27
George S. Fletcher, making photographs, Colbert case . . . . .	3 00
Eugene H. Jones, photograph . . . . .	6 00
McGrath & Woodley, printing statement . . . . .	14 00
	<hr/>
	\$2,490 29

**City Treasurer.**

## CREDIT.

Appropriations, from Taxes, 1910 . . . . .	\$9,700 00
Excess and Deficiency account, balance transferred . . . . .	194 95
	<hr/>
	\$9,505 05
	<hr/>
Amount carried forward . . . . .	\$9,505 05

Amount brought forward . . . . .		\$9,505 05
Receipts:—		
Commonwealth of Massachusetts, fees for collecting National Bank tax . . . . .		13 68
Redemption of Tax Liens, fees for releasing tax liens . . . . .		26 00
Cash, received of sundry persons, certificates . . . . .	\$174 00	
Sundry persons, costs on taxes and assessments . . . . .	5,311 21	
	<hr/>	5,485 21
		<hr/>
		\$15,029 94

DEBIT.

(Expenditures.)

Cash, paid Joseph S. Pike, salary as city treasurer . . . . .	\$3,000 00
expenses to convention of accounting officers . . . . .	31 75
Charles L. Ellis, deputy collector of taxes . . . . .	1,450 00
revolvers . . . . .	8 65
disbursements . . . . .	19 90
Beulah M. Peirce, first assistant . . . . .	1,000 00
Louise B. McLaughlin, second assistant, . . . . .	700 00
Florence M. Grow, third assistant . . . . .	600 00
Marion C. Kendall, fourth assistant . . . . .	600 00
Winnifred P. Briggs, fifth assistant . . . . .	541 19
Susan L. Briggs, clerical services . . . . .	346 66
Lilla A. Johnson, clerical services . . . . .	354 83
Genevieve L. Fosdick, clerical services . . . . .	62 67
May G. Canfield, clerical services . . . . .	94 67
Marjorie Loring, clerical services . . . . .	56 00
Robertta B. McDonald, clerical services . . . . .	56.00
George S. Canfield, fees for collecting delinquent taxes . . . . .	105 00
Franklin W. Hopkins, fees for collecting delinquent taxes . . . . .	18 50
Malcolm E. Sturtevant, fees for collecting delinquent taxes . . . . .	397 48
Theodore H. Locke, services . . . . .	227 98
Beacon Trust Co., clearing house charges . . . . .	10
City Trust Co., clearing house charges . . . . .	82
National Security Bank, clearing house charges . . . . .	3 61
Old Colony Trust Co., clearing house charges . . . . .	99
Somerville National Bank, clearing house charges . . . . .	1 10
American Surety Co. of New York, premiums on collectors' bonds . . . . .	224 00
American Express Co., expressing . . . . .	70
Charles E. Berry, repairing machine . . . . .	2 40
Burroughs Adding Machine Co., paper, etc. . . . .	2 80
Carter's Ink Co., ink and ribbons . . . . .	13 50
Edwin O. Childs, Register, recording documents . . . . .	23 50
	<hr/>
Amount carried forward . . . . .	\$9,944 80

Amount brought forward . . . . .	\$9,944 80	
Oatman A. Covill, interest and costs abated . . . . .	3 80	
George E. Damon, year book . . . . .	2 00	
Thomas Groom & Co., office supplies . . . . .	384 97	
W. A. Greenough & Co., directories . . . . .	8 00	
William H. Gleason, blocking . . . . .	4 00	
Glines & Co., expressing . . . . .	30	
Globe-Wernicke Co., cabinet . . . . .	8 95	
J. C. Hall Co., lithographing checks . . . . .	101 79	
E. F. Hicks, lunch . . . . .	11 00	
Howard Lowell & Son, carriage hire . . . . .	109 00	
Henry Lorentzen, repairs on safes . . . . .	6 50	
Wesley A. Maynard, printing . . . . .	296 10	
McGrath & Woodley, printing . . . . .	40 00	
John S. McDonald, interest and costs abated . . . . .	3 00	
New England Telephone & Telegraph Co., service . . . . .	131 90	
National Association Comptrollers and Accounting Officers, membership . . . . .	10 00	
Old Colony Trust Co., preparation and certification of city notes . . . . .	216 00	
Edwin L. Pride & Co., auditing . . . . .	350 00	
Pneumatic Hand Stamp Co., stamps . . . . .	5 89	
A. G. Renner, expressing . . . . .	75	
R. H. Rhodes, lunches . . . . .	5 00	
Somerville Journal Co., printing and advertising tax sales, etc. . . . .	1,525 19	
Smith-Premier Typewriter Co., repairs . . . . .	11 20	
Sampson & Murdock Co., directory . . . . .	6 00	
Somerville Post-office, postage . . . . .	1,702 20	
Thorpe's Express, expressing . . . . .	2 25	
Turner & Co., coin envelopes . . . . .	124 35	
Yale & Towne Mfg. Co., cleaning and insuring lock . . . . .	15 00	
		<u>\$15,029 94</u>

### Clerk of Committees and Departments.

#### CREDIT.

Appropriations, from Taxes, 1910 . . . . .	\$4,700 00
Excess and Deficiency account, balance transferred . . . . .	34
	<u>\$4,699 66</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 A. Ham, assistant . . . . .	506 67
W. A. Greenough & Co., directory . . . . .	4 00
Thomas Groom & Co., books and stationery . . . . .	65 07
Gilman Express Co., expressing . . . . .	35
New England Telephone & Telegraph Co., service . . . . .	65 03
Amount carried forward . . . . .	<u>\$4,541 12</u>



Amount brought forward . . . . .	\$4,541 12	
Pneumatic Hand Stamp Co., stamps . . . . .	3 98	
Somerville Journal Co., printing . . . . .	17 85	
Sampson-Murdock Co., directory . . . . .	6 00	
Smith-Premier Typewriter Co., type- writer . . . . .	69 00	
Somerville Post-office, postage . . . . .	59 00	
Samuel Ward Co., carbon paper . . . . .	2 71	
	<hr/>	\$4,699 66
		<hr/> <hr/>

**Commonwealth of Massachusetts.**

CREDIT.

State Tax . . . . .		\$93,335 00
National Bank Tax . . . . .		1,368 28
Metropolitan Sewer Tax:—		
Sinking Fund Requirements . . . . .	\$14,626 48	
Interest . . . . .	25,835 72	
Maintenance . . . . .	20,689 01	
	<hr/>	61,151 21
Metropolitan Park Tax:—		
Sinking Fund Requirements . . . . .	\$4,246 09	
Interest . . . . .	12,024 44	
Maintenance . . . . .	17,087 76	
	<hr/>	33,358 29
Grade Crossings Tax:—		
Assessment . . . . .	\$2,687 72	
Interest . . . . .	766 44	
	<hr/>	3,454 16
Middlesex Avenue or Wellington Bridge Tax:—		
Special Assessment . . . . .	\$4,632 94	
Interest . . . . .	162 15	
Maintenance . . . . .	876 29	
	<hr/>	5,671 38
Metropolitan Water Assessment, 1910:—		
Sinking Fund Requirements . . . . .	\$25,018 52	
Interest . . . . .	66,825 45	
Maintenance and Operation . . . . .	18,212 28	
	<hr/>	110,056 25
State Highway Tax . . . . .		58 00
Overlay and Abatement account, abatement of smoke . . . . .		316 65
		<hr/>
		\$308,769 22

DEBIT.

Support of Poor, Miscellaneous . . . . .	\$1,110 65	
Contagious Disease Hospital . . . . .	1,788 56	
Health Department . . . . .	476 00	
School Contingent . . . . .	281 00	
Grade Crossings . . . . .	25,762 69	
Corporation Tax . . . . .	22,398 07	
National Bank Tax . . . . .	3,323 78	
Boston Elevated Railway Tax . . . . .	9,737 32	
Street Railway Tax . . . . .	49,645 15	
State Aid, 1909 . . . . .	16,592 00	
Soldiers' Burials, 1909 . . . . .	481 00	
Military Aid, 1909 . . . . .	510 00	
Military Aid, overpaid . . . . .	1 50	
Fees for collecting National Bank Tax . . . . .	13 68	
	<hr/>	
Amounts carried forward . . . . .	\$132,121 40	\$308,769 22

Amounts brought forward . . . . .	\$132,121 40	\$308,769 22
Received in cash on account of above . . . . .	29,406 25	
	<hr/>	
	\$102,715 15	
Paid balance due on November 15, 1910 . . . . .	206,054 07	
	<hr/>	\$308,769 22
State Aid, 1910 . . . . .	\$16,689 00	
Soldiers' Burials, 1910 . . . . .	592 00	
Military Aid, 1910 . . . . .	\$378 00	
Less overpaid on 1909 accounts, . . . . .	1 50	
	<hr/>	
	376 50	
	<hr/>	\$17,657 50
Balance to debit of account, 1911 . . . . .		17,657 50
		<hr/>

**Contingent Fund.**

## CREDIT.

Appropriations, from Taxes, 1910 . . . . .		\$1,950 00
Excess and Deficiency account, amount transferred . . . . .		3,500 00
		<hr/>
		\$5,450 00
Excess and Deficiency account, balance transferred . . . . .		541 30
		<hr/>
		\$1,908 70
Cash, received of sundry persons, licenses to peddle . . . . .	\$25 00	
Sundry persons, druggists' licenses . . . . .	33 00	
	<hr/>	58 00
		<hr/>
		\$4,966 70

## DEBIT.

## (Expenditures.)

Cash, paid F. C. Ayer, lumber . . . . .	\$600 04
Allen, Doane & Co., name plates . . . . .	54 15
John Bousfield, ringing bell . . . . .	8 00
William C. Blake, Captain Company K, rifle practice . . . . .	250 00
Caleb P. Bucknam Co., decorating . . . . .	150 00
Commonwealth of Massachusetts, 25% of liquor licenses . . . . .	8 25
Jackson Caldwell & Co., use of chairs . . . . .	17 50
John Donnelly & Son, posting . . . . .	33 00
Sergeant Frank E. Draper Camp, 41, S. A. W. V., Memorial day . . . . .	75 00
The Edison Electric Illuminating Co., lighting . . . . .	22 74
Benjamin F. Freeman, pastel and frame . . . . .	75 00
Thomas Groom & Co., stationery . . . . .	11 65
Gerald A. Gardner, disbursements . . . . .	27 00
J. W. Howard, decorations . . . . .	18 70
E. F. Hicks, lunches . . . . .	103 00
O. L. Hill, rent of automobile . . . . .	15 00
The Keefe-Davidson Co., books . . . . .	10 00
H. A. Kendall, ringing bell . . . . .	7 00
J. B. Lowell, ringing chimes . . . . .	5 00
Florindo Leonardi, band . . . . .	80 00
McDonald Weber Co., lunch . . . . .	460 00
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Amount carried forward . . . . .	\$2,031 03

Amount brought forward . . . . .	\$2,031 03	
J. Edward L. McLean, grand stand . . . . .	416 42	
J. Edward L. McLean, insurance . . . . .	10 00	
Wesley A. Maynard, printing and advertising . . . . .	5 35	
Norman W Morison, ringing bell . . . . .	5 00	
Stanley Morison, ringing bell . . . . .	4 00	
Revere House, dinners . . . . .	56 00	
Walter H. Snow, catering . . . . .	70 00	
Somerville Journal Co., printing . . . . .	76 50	
Somerville Fourth of July Association, music and fireworks . . . . .	1,500 00	
Asbury Strahan, ringing bell . . . . .	6 00	
M. G. Staples, ringing bell . . . . .	9 00	
Somerville Post-office, postage . . . . .	28 50	
M. C. Towne, ringing bell . . . . .	9 00	
Whitney & Snow, figures, etc. . . . .	24 85	
Walker Lith. Publishing Co., maps . . . . .	110 00	
Joseph E. Wiley, Captain Company M, rifle practice . . . . .	250 00	
Willard C. Kinsley Post, 139, G. A. R., Memorial day . . . . .	350 00	
The Western Union Telegraph Co., telegram . . . . .	2 05	
Samuel Ward Co., printing . . . . .	3 00	
		<u>\$4,966 70</u>

**County of Middlesex.**

CREDIT.

Taxes, 1910, county tax . . . . .		\$64,730 82
Receipts:—		
Cash, received of J. O. Hayden, county treasurer, rent of court room . . . . .	\$450 00	
return on amount received of the city for dog licenses . . . . .	4,085 76	
		<u>4,535 76</u>
		\$69,266 58

Amounts transferred:—

Public Buildings Maintenance, City Buildings account . . . . .	\$450 00	
Public Library account . . . . .	4,085 76	
		<u>4,535 76</u>
		\$64,730 82

DEBIT.

(Expenditures.)

Cash, paid County Tax . . . . .		<u>\$64,730 82</u>
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**Coupons.**

CREDIT.

Balance of coupons unpaid January 1, 1910 . . . . .		\$14,937 50
Coupons maturing April 1, 1910:—		
Water Loan, \$22,000, six months at 4 per cent. . . . .	\$440 00	
		<u>\$14,937 50</u>
Amounts carried forward . . . . .	\$440 00	\$14,937 50

Amounts brought forward . . . . .	\$440 00	\$14,937 50
Sewer Loan, \$1,000, six months at 4½ per cent. . . . .	22 50	
Sewer Loan, \$29,000, six months at 4 per cent. . . . .	580 00	
Sewer Loan, \$25,000, six months at 3½ per cent. . . . .	437 50	
Paving Loan, \$15,000, six months at 4 per cent. . . . .	300 00	
City Loan, \$205,000, six months at 4 per cent. . . . .	4,100 00	
City Loan, \$120,000, six months at 3½ per cent. . . . .	2,100 00	
Bridge Loan, \$35,000, six months at 3½ per cent. . . . .	612 50	
	<hr/>	8,592 50
Coupons maturing July 1, 1910:—		
City Loan, \$138,000, six months at 3½ per cent. . . . .	\$2,415 00	
City Loan, \$415,000, six months at 4 per cent. . . . .	8,300 00	
Sewer Loan, \$37,000, six months at 3½ per cent. . . . .	647 50	
Sewer Loan, \$129,000, six months at 4 per cent. . . . .	2,580 00	
Metropolitan Park Assessment Loan, \$17,000, six months at 3½ per cent. . . . .	297 50	
Water Loan, \$9,000, six months at 4 per cent. . . . .	180 00	
	<hr/>	14,420 00
Coupons maturing October 1, 1910:—		
City Loan, \$302,000, six months at 4 per cent. . . . .	\$6,040 00	
City Loan, \$109,000, six months at 3½ per cent. . . . .	1,907 50	
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	
Lowell Street Bridge Loan, \$34,000, six months at 3½ per cent. . . . .	595 00	
Paving Loan, \$15,000, six months at 4 per cent. . . . .	300 00	
Water Loan, \$22,000, six months at 4 per cent. . . . .	440 00	
	<hr/>	10,845 00
Coupons maturing January 1, 1911:—		
City Loan, \$358,000, six months at 4 per cent. . . . .	\$7,160 00	
City Loan, \$123,000, six months at 3½ per cent. . . . .	2,152 50	
Sewer Loan, \$121,000, six months at 4 per cent. . . . .	2,420 00	
Sewer Loan, \$36,000, six months at 3½ per cent. . . . .	630 00	
	<hr/>	
Amounts carried forward . . . . .	\$12,362 50	\$48,795 00

Amounts brought forward . . . . .	\$12,362 50	\$48,795 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
		<hr/>
		\$61,615 00

DEBIT.

Cash, paid coupons . . . . .	\$47,940 00	
Coupons of 1910 unpaid . . . . .	13,675 00	
	<hr/>	\$61,615 00
		<hr/>

**Election Expenses, City Clerk.**

CREDIT.

Appropriations, from Taxes, 1910 . . . . .	\$1,700 00
Excess and Deficiency account, balance transferred . . . . .	203 56
	<hr/>
	\$1,496 44

DEBIT.

(Expenditures.)

Cash, paid Allen, Doane & Co., seal . . . . .	\$1 50	
W. S. Burbank & Co., carriage hire . . . . .	183 00	
Boulevard Auto Co., Inc., car hire . . . . .	36 00	
Robert Burlen, paper . . . . .	14 50	
A. F. Carpenter, candles . . . . .	60	
The Carter's Ink Co., ink . . . . .	6 00	
Commonwealth of Massachusetts, count- ing apparatus . . . . .	5 00	
Cotton & Gould, pencils . . . . .	24 00	
John Donnelly & Sons, posting . . . . .	31 00	
Glines & Co., expressing . . . . .	40	
J. H. Kelley, repairing . . . . .	187 00	
A. C. Libby & Sons, pencils . . . . .	9 75	
Wesley A. Maynard, printing and adver- tising . . . . .	186 13	
Pneumatic Hand Stamp Co., stamps . . . . .	2 12	
Somerville Journal Co., printing, etc. . . . .	684 09	
E. K. Tolman, ballot boxes . . . . .	100 00	
Walker Lith. & Pubs. Co., maps . . . . .	3 60	
Samuel Ward Co., supplies . . . . .	19 15	
Whitney & Snow, supplies . . . . .	2 60	
	<hr/>	\$1,496 44
		<hr/>

**Election Expenses, Commissioner of Public Buildings.**

CREDIT.

Appropriations, from Taxes, 1910 . . . . .	\$1,000 00
Excess and Deficiency account, balance transferred . . . . .	401 90
	<hr/>
	\$598 10

DEBIT.

(Expenditures.)

Cash, paid F. C. Ayer, lumber . . . . .	\$1 43	
Boulevard Auto Co., Inc., car hire . . . . .	25 00	
Philip Eberle, rent of hall . . . . .	50 00	
	<hr/>	
Amount carried forward . . . . .	\$76 43	

Amount brought forward . . . . .	\$76 43
Eugene Girroir, labor voting booths . . . . .	6 00
Joseph O. Hobbs, rent of hall . . . . .	20 00
Knott & Co., electrical supplies . . . . .	92 04
T. E. Littlefield, building material . . . . .	9 80
G. F. McKenna & Son, teaming . . . . .	107 66
Charles F. Mills, carpentering . . . . .	45 60
J. Edward L. McLean, carpentering . . . . .	125 70
Martin & Wood, keys and locks . . . . .	65
W. E. Plumer & Co., hardware . . . . .	10
Arthur G. Pearson, rent of hall . . . . .	80 00
George L. Robinson, painting . . . . .	32 30
E. S. Sparrow & Co., hardware . . . . .	1 82
	<hr/>
	\$598 10

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

## CREDIT.

Appropriations, from Taxes, 1910 . . . . .	\$2,700 00
Excess and Deficiency account, balance transferred . . . . .	69 00
	<hr/>
	\$2,631 00

## DEBIT.

(Expenditures.)

Cash, paid election officers . . . . .	\$2,631 00
	<hr/>

**Election Expenses, Registrars of Voters.**

## CREDIT.

Appropriations, from Taxes, 1910 . . . . .	\$1,600 00
Excess and Deficiency account, balance transferred . . . . .	75 24
	<hr/>
	\$1,524 76

## DEBIT.

(Expenditures.)

Cash, paid Charles P. Lincoln, salary as registrar . . . . .	\$200 00
Charles E. Parks, salary as registrar . . . . .	95 34
Edwin D. Sibley, salary as registrar . . . . .	200 00
Douglas B. Foster, salary as registrar . . . . .	85 48
Frederic W. Cook, salary as registrar . . . . .	200 00
Clinton E. Bray, clerical services . . . . .	33 00
Charles R. Hildred, clerical services . . . . .	3 00
Frank E. Merrill, clerical services . . . . .	30 00
Fred E. Warren, clerical services . . . . .	33 00
Howard E. Wemyss, clerical services . . . . .	42 00
Allen, Doane & Co., dater . . . . .	5 50
John Donnelly & Sons, posting . . . . .	35 50
Thomas Groom & Co., books . . . . .	23 00
Gridley Coffee House, lunch . . . . .	10 90
Gilman Express Co., expressing . . . . .	35
Howard Lowell & Son, carriage hire . . . . .	10 00
Wesley A. Maynard, printing . . . . .	49 25
McGrath & Woodlev. binding lists . . . . .	6 50
Pneumatic Hand Stamp Co., stamp . . . . .	94
Somerville Journal Co., printing, etc. . . . .	407 00
Samuel Ward Co., books . . . . .	54 00
	<hr/>
	\$1,524 76

**Electrical Department.**

CREDIT.

Appropriations, from Taxes, 1910 . . . . .	\$8,500 00
Excess and Deficiency account, balance transferred . . . . .	9 53
	\$8,490 47

Receipts:—

Cash, received of Edison Electric Illuminating Co., grounding wires . . . . .	\$250 00	
Charles E. Woodman, horse . . . . .	50 00	
	300 00	
		\$8,790 47

DEBIT.

(Expenditures.)

Cash, paid Walter I. Fuller, salary as commissioner of electric lines and lights . . . . .	\$1,500 00
disbursements . . . . .	24 70
Laborers . . . . .	3,965 45
American Express Co., expressing . . . . .	5 39
American Dyewood Co., vitriol . . . . .	115 25
Henry K. Barnes, supplies . . . . .	7 00
Beattie Zinc Works Co., zincs . . . . .	31 50
Boston & Maine Railroad, freight . . . . .	82
Chandler & Farquhar Co., tools, etc. . . . .	23 42
Commercial Brewing Co., fire alarm whistle . . . . .	30 00
S. H. Couch Co., telephone condensers, etc. . . . .	165 13
Cameron Appliance Co., blocks . . . . .	14 70
Clifton Mfg. Co., tape . . . . .	8 05
Julian D'Este Co., bolts . . . . .	20 40
Davenport-Brown Co., lumber . . . . .	8 51
E. M. F. Boston Co., automobile . . . . .	775 00
C. B. Fagan, V. S., services . . . . .	3 00
Gamewell Fire Alarm Telegraph Co., keyless doors, spring, etc. . . . .	617 22
George E. Gilchrist & Co., wrenches . . . . .	2 40
Thomas Groom & Co., record books . . . . .	4 50
Gilman Express Co., expressing . . . . .	1 25
Glines & Co., expressing . . . . .	15
Highland Press, printing . . . . .	15 00
Howe & French, sponges, etc. . . . .	4 03
Hight & Merrill, repairing furniture . . . . .	1 66
O. L. Hill, gasolene . . . . .	19 13
Jenney Mfg. Co., oil . . . . .	6 25
T. E. Littlefield, wood . . . . .	6 06
Wesley A. Maynard, advertising . . . . .	3 50
Mathias-Hart Co., gloves . . . . .	3 33
Martin & Wood, sharpening . . . . .	75
D. McDonald, repairing . . . . .	5 50
New England Telephone & Telegraph Co., service . . . . .	99 13
N. E. Insulated Wire Co., wire and tape, . . . . .	107 64
Pettingell-Andrews Co., supplies . . . . .	10 80
W. E. Plumer & Co., hardware . . . . .	55 04
Charles E. Perry Co., paper . . . . .	34 93
Russell & Co., soap, etc. . . . .	2 43
Amount carried forward . . . . .	\$7,749 02

Amount brought forward . . . . .	\$7,749 02	
A. G. Renner, expressing . . . . .	6 45	
John B. Rufer, repairing . . . . .	156 90	
Stuart-Howland Co., supplies . . . . .	86	
Shepard-Norwell Co., sheets and cases . . . . .	10 68	
Parke Snow, towelling, etc. . . . .	2 57	
Somerville Journal Co., printing . . . . .	5 25	
Somerville Post-office, postage . . . . .	2 50	
Thorpe's Express, expressing . . . . .	5 75	
Underhill Hardware Co., hardware . . . . .	4 85	
Western Electric Co., supplies . . . . .	39 78	
Wetherbee Brothers, use of automobile . . . . .	73 90	
	<hr/>	
	\$8,058 51	
Highways Maintenance account, sand . . . . .	1 00	
Electrical Department, Underground Construction account, stock, etc. . . . .	300 00	
Fire Department, board of horse, shoeing, etc. . . . .	320 50	
Police Department, board of horse . . . . .	110 46	
	<hr/>	
		\$8,790 47

### Electrical Department, Underground Construction.

#### CREDIT.

Balance from 1909 . . . . .	\$928 90
Sewers Construction account, amount transferred . . . . .	3,000 00
Sewers Construction account, amount transferred . . . . .	400 00
	<hr/>
	\$4,328 90
Balance to credit of account, 1911 . . . . .	269 37
	<hr/>
	\$4,059 53

#### Receipts:—

Stock and labor billed other departments:—	
Electrical Department, stock, etc. . . . .	300 00
	<hr/>
	\$4,359 53

#### DEBIT.

#### (Expenditures.)

Cash, paid laborers . . . . .	\$887 95
Boston & Maine Railroad, freight . . . . .	28 60
Barbour, Stockwell Co., labor and castings . . . . .	229 35
Chandler & Farquhar Co., supplies . . . . .	9 25
Gamewell Fire Alarm Telegraph Co., castings . . . . .	256 25
Hanson's Somerville Express, expressing . . . . .	2 80
Highland Coal Co., cement . . . . .	3 00
Ideal Supply Co., pipe . . . . .	3 65
N. Y. Insulated Wire Co., cable . . . . .	2,582 20
New England Telephone & Telegraph Co., labor and materials . . . . .	191 75
James Sugden, cable . . . . .	146 14
Thorpe's Express, expressing . . . . .	2 00
Western Electric Co., galvaduact . . . . .	14 94
	<hr/>
	\$4,357 88
Highways Maintenance account, crushed stone . . . . .	1 65
	<hr/>
	\$4,359 53



**Excess and Deficiency.**

CREDIT.

Balance from 1909 . . . . .		\$10,708 05
Highways, Lowell Street Bridges account, amount transferred . . . . .		15,000 00
		<hr/>
		\$25,708 05

Reduced by the following transfers:—

Printing and Stationery account . . . . .	\$1,500 00	
Contingent Fund account . . . . .	3,500 00	
	<hr/>	5,000 00
		<hr/>
		\$20,708 05

Balances of 1910 accounts:—

Assessors . . . . .	\$172 46	
City Auditor . . . . .	16 75	
City Clerk . . . . .	372 98	
City Engineer . . . . .	07	
City Messenger . . . . .	13 24	
City Treasurer . . . . .	194 95	
Clerk of Committees and Departments . . . . .	34	
Contingent Fund . . . . .	541 30	
Election Expenses:—		
City Clerk . . . . .	203 56	
Commissioner of Public Buildings . . . . .	401 90	
Pay of Election Officers . . . . .	69 00	
Registrars of Voters . . . . .	75 24	
Electrical Department . . . . .	9 53	
Executive Department . . . . .	46 22	
Health Department, Medical Inspection in Public Schools . . . . .	50 00	
Highways:—		
Suppression of Elm-leaf Beetle . . . . .	242 69	
Suppression of Gypsy and Brown-tail Moths . . . . .	364 54	
Sprinkling Streets . . . . .	4,958 81	
Inspection of Buildings . . . . .	91 21	
Interest . . . . .	17,397 20	
Military Aid . . . . .	322 00	
Playgrounds . . . . .	202 85	
Printing and Stationery . . . . .	333 51	
Public Grounds . . . . .	17	
Public Library, West Somerville Branch . . . . .	19	
Reduction of Funded Debt . . . . .	4,612 26	
School Teachers' Salaries . . . . .	7,614 65	
Sealer of Weights and Measures . . . . .	90 83	
Sewers, Maintenance . . . . .	21 26	
Support of Poor, City Home . . . . .	543 76	
Support of Poor, Miscellaneous . . . . .	271 04	
	<hr/>	39,234 51
		<hr/>
		\$59,942 56
Balance to credit of account, 1911 . . . . .		7,311 63
		<hr/>
		\$52,630 93

DEBIT.

Balances of 1910 accounts:—

City Solicitor . . . . .	\$40 29
Fire Department . . . . .	388 01
	<hr/>
Amount carried forward . . . . .	\$428 30

Amount brought forward . . . . .	\$128 30	
Health Department . . . . .	1,859 98	
Health Department, Collection of Ashes and Offal . . . . .	10,638 24	
Health Department, Contagious Disease Hospital . . . . .	981 42	
Police . . . . .	14,107 04	
Public Buildings Maintenance:—		
City Buildings . . . . .	5,920 89	
Fire Department . . . . .	1,746 41	
Janitors' Salaries . . . . .	531 30	
Schoolhouses . . . . .	7,329 58	
School Contingent . . . . .	4,454 32	
Soldiers' Relief . . . . .	1,148 57	
Street Lights . . . . .	3,484 88	
		<u>\$52,630 93</u>

**Executive Department.**

## CREDIT.

Appropriations, from Taxes, 1910 . . . . .	\$4,000 00
Excess and Deficiency account, balance transferred . . . . .	46 22
	<u>\$3,953 78</u>

## DEBIT.

## (Expenditures.)

Cash, paid John M. Woods, salary as mayor . . . . .	\$2,500 00
Fred E. Warren, secretary to the mayor, W. A. Greenough & Co., directory . . . . .	1,300 00
W. A. Greenough & Co., directory . . . . .	4 00
New England Telephone & Telegraph Co., service . . . . .	66 95
Somerville Post-office, stamped en- velopes . . . . .	46 48
Sampson, Murdock Co., directories . . . . .	9 75
Somerville Journal Co., printing . . . . .	10 50
Underwood Typewriter Co., ribbons . . . . .	3 00
Samuel Ward Co., book and stationery . . . . .	13 10
	<u>\$3,953 78</u>

**Fire Department.**

## CREDIT.

Appropriations, from Taxes, 1910 . . . . .	\$32,000 00
Water Works Income account, amount appropriated . . . . .	49,000 00
Excess and Deficiency account, balance transferred . . . . .	388 01
	<u>\$81,388 01</u>

## Stock and labor billed other departments:—

Electrical Department account, board of horse, shoeing, etc. . . . .	\$320 50
Fire Department, Additional Apparatus ac- count, cross bar holder . . . . .	4 50
Sewers Maintenance account, hose . . . . .	7 50
	<u>332 50</u>

## Receipts:—

Cash, received of City Treasurer, fines . . . . .	\$761 66
J. P. Flaherty, junk . . . . .	278 94
	<u>\$1,040 60</u>
Amounts carried forward . . . . .	\$81,720 51

Amounts brought forward . . . . .	\$1,040 60	\$81,720 51
J. A. Kiley, hose . . . . .	50 00	
J. B. Rufer, hose . . . . .	1 80	
Sewall M Rich, permits to sell fireworks,	12 00	
Boulevard Auto Co., old hose . . . . .	2 68	
C. G. Smith, hose . . . . .	2 50	
Elmer E. Drew, hose . . . . .	3 75	

1,113 33

\$82,833 84

DEBIT.

(Expenditures.)

Cash, paid Sewall M. Rich, salary as chief engineer . . . . .	\$1,717 80
disbursements . . . . .	16 50
Edward W. Ring, assistant engineer . . . . .	1,456 00
Permanent firemen and substitutes . . . . .	54,543 01
Callmen:—	
Steamer Co. No. 1 . . . . .	448 08
Steamer Co. No. 2 . . . . .	994 81
Steamer Co. No. 4 . . . . .	1,355 82
Steamer Co. No. 6 . . . . .	837 30
Hose Co. No. 2 . . . . .	981 08
Hose Co. No. 3 . . . . .	959 31
Hose Co. No. 5 . . . . .	653 70
Hook and Ladder Co. No. 1 . . . . .	1,574 14
Hook and Ladder Co. No. 2 . . . . .	1,877 81
Combination B . . . . .	62 34
Hose and Chemical No. 7 . . . . .	736 68
James R. Hopkins, pension . . . . .	1,200 00
Charles H. Bridges, pension . . . . .	100 00
Daniel R. Spike, pension . . . . .	75 01
William J. Blaisdell, pension . . . . .	75 01
John E. Hill, pension . . . . .	58 35
Thomas W. Joy, pension . . . . .	21 54
J. H. Edwards, horseshoeing . . . . .	335 55
George W. Ladd, horseshoeing . . . . .	149 45
George McDormand, horseshoeing . . . . .	113 30
Edward O'Brien, horseshoeing . . . . .	90 15
John B. Rufer, horseshoeing . . . . .	332 70
Ira L. Roberts, horseshoeing . . . . .	10 40
Harry Tobin, horseshoeing . . . . .	104 15
J. H. Thompson, horseshoeing . . . . .	56 70
I. B. Walker, horseshoeing . . . . .	150 50
Margaret E. Calvert, washing . . . . .	54 32
Mrs. I. C. Jackson, washing . . . . .	32 12
A. M. Spike, washing . . . . .	7 50
Mary W. Shaw, washing . . . . .	14 71
Mrs. E. F. Trefren, washing . . . . .	7 56
American Express Co., expressing . . . . .	8 47
American Metal Polish Co., polish . . . . .	9 00
American Shearer Mfg. Co., socket . . . . .	1 90
George A. Ayer, brooms . . . . .	39 00
American LaFrance Fire Engine Co., re- pairing . . . . .	72 80
Andrews, Burr Paper Co., toilet paper . . . . .	5 00
Ame & Co., standard food . . . . .	17 50
American Tube Works, tubes . . . . .	6 16
Amount carried forward . . . . .	<u>\$71,363 23</u>

Amount brought forward . . . . .	\$71,363 23
Abbott & Co., nutriotine . . . . .	26 00
Henry K. Barnes, lanterns . . . . .	18 60
F. W. Barry, Beale & Co., books . . . . .	21 25
D. J. Bennett, repairing . . . . .	17 55
Charles E. Berry, repairing . . . . .	94 10
Boston Coupling Co., repairing . . . . .	7 63
Boston Ice Co., ice . . . . .	14 40
Brown's Express, expressing . . . . .	2 85
James M. Berry, supplies . . . . .	3 20
H. A. Brownell, repairing . . . . .	6 35
A. & E. Burton Co., dusters and brushes, . . . . .	40 50
W. S. Burbank Co., sawdust . . . . .	2 35
Bliss Brothers, manila . . . . .	1 10
Braman, Dow & Co., supplies . . . . .	49 60
Bostonian Laundry Co., laundry work . . . . .	120 08
Charles A. Blethen, whips, etc. . . . .	15 85
H. W. Bursaw, kerosene . . . . .	12 96
Jackson Caldwell & Co., horse hire . . . . .	54 00
Cornelius Callahan Co., bell, etc. . . . .	53 35
C. C. C. Fire Hose Co., hose . . . . .	225 00
F. E. Cheney Co., supplies . . . . .	11 85
Commonwealth Oil Co., harness oil and soap . . . . .	25 03
G. W. Cutter, insignia . . . . .	40 00
Crosby Steam Gage & Valve Co, repair- ing . . . . .	1 00
Cotter's Express, expressing . . . . .	15
Cummings Machine Works, labor on pipe . . . . .	1 25
Cambridge Ice Co., ice . . . . .	35 90
Dodge Motor Vehicle Co., oil . . . . .	10 85
J. A. Durell, tools, etc. . . . .	98
Eastern Drug Co., acid . . . . .	36 62
Eastern Coupling Co., nozzle, etc. . . . .	36 15
Eureka Fire Hose Mfg. Co., hose coup- lings . . . . .	255 00
J. Wesley Edmonds & Son, metal polish, Eride Battery Depots, recharging bat- teries . . . . .	1 50
Firestone Tire & Rubber Co., tires . . . . .	313 09
Frank E. Fitts Mfg. & Supply Co., waste . . . . .	43 28
Fresh Pond Ice Co., ice . . . . .	25 82
Charles T. Garland, horse hire . . . . .	22 50
Gilman Express Co., expressing . . . . .	3 85
Glines & Co., expressing . . . . .	16 13
W. A. Greenough & Co., directories . . . . .	16 00
Gray & Davis, glasses . . . . .	1 50
George E. Grover, medicine . . . . .	1 20
Henry S. Harris & Son, bits . . . . .	9 50
R. Hull, kerosene . . . . .	78 11
Hill & Hill, curry combs . . . . .	6 58
William H. Hitchings, veterinary ser- vices . . . . .	14 00
S. D. Hicks & Son, metals . . . . .	30 80
O. L. Hill, gasoline . . . . .	6 67
Hopkinson & Holden, pails . . . . .	4 00
Amount carried forward . . . . .	\$73,249 42

Amount brought forward . . . . .	\$73,249 42
Iver Johnson Sporting Goods Co., wrench . . . . .	1 87
J. A. Kiley, repairing . . . . .	1,088 90
Fred W. Kimball, medicine case . . . . .	2 70
O. F. Kress & Son, repairing . . . . .	106 25
Knox & Morse Co., disinfectant . . . . .	8 00
Estate S. P. Larsen, horse hire . . . . .	3 00
J. G. Lesure, horse medicine . . . . .	39 67
Lord & Webster, hay and straw . . . . .	1,918 18
F. T. Lord Polish Co., polish . . . . .	6 00
Mathieson Alkali Works, soda . . . . .	117 60
D. McDonald, repairing . . . . .	82 45
C. W. H. Moulton Co., ladders . . . . .	63 10
Martin & Wood, sharpening saws . . . . .	1 00
Mass. Machine Shop, axe handles . . . . .	1 33
Morgan & Bond, bits . . . . .	29 85
John H. Melavin, chemical nozzle . . . . .	8 00
Mitchell Mfg. Co., badges . . . . .	28 75
Magee Furnace Co., water heater . . . . .	41 00
A. S. Morss Co., poles . . . . .	2 40
John S. McGowan, insurance . . . . .	8 75
New England Telephone & Telegraph Co., service . . . . .	\$162 07
(Cash) . . . . .	6 70
	<hr/>
	155 37
George W. Norton, soap . . . . .	42 00
Nickerson Mfg. Co., paste . . . . .	5 39
Fulton O'Brion, hay and straw . . . . .	1,427 62
Proctor Brothers Grain Co., grain . . . . .	1,120 77
C. N. Perkins Co., brakes . . . . .	284 00
John A. Pendergast, mop . . . . .	12 00
The Phillips Co., circles . . . . .	3 50
Percy Ford Co., dry cells . . . . .	2 70
Prest-O-Lito Co., recharging . . . . .	7 90
R. G. Perkins, supplies . . . . .	1 20
Henry D. Padelford, medicine . . . . .	2 75
W. E. Plumer & Co., batteries . . . . .	1 20
John B. Rufer, repairing . . . . .	127 65
J. F. Richard Co., soap powder . . . . .	14 85
A. G. Renner, expressing . . . . .	65
Robertson & Nixon, insurance . . . . .	135 00
John A. Robinson Co., disinfectant . . . . .	10 00
E. S. Sparrow & Co., hardware . . . . .	4 05
R. M. Sturtevant, horses . . . . .	675 00
Charles R. Simpson, veterinary services, Somerville Brush Co., brooms . . . . .	32 70
	27 50
M. A. Stevens, clock . . . . .	3 00
Scovill Mfg. Co., buttons . . . . .	20 25
Shepard, Norwell Co., sheets . . . . .	151 48
Standard Oil Co., oil . . . . .	21 45
P. Sutherland & Co., oil . . . . .	3 70
Somerville Journal Co., printing . . . . .	14 50
Somerville Post-office, postage . . . . .	5 00
Nathan Tufts & Sons, hay and grain . . . . .	1,023 42
William J. Thompson & Co., hay . . . . .	307 95
Thorpe's Express, expressing . . . . .	1 60
Charles L. Underhill, repairing . . . . .	3 07
	<hr/>
Amount carried forward . . . . .	\$82,457 44

Amount brought forward . . . . .	\$82,457 44	
Underhill Hardware Co., hardware . . . . .	57 68	
U. S. Rubber Tire Co., repairs . . . . .	30 15	
Welch, Dwyer & Grady, repairing . . . . .	24 00	
Wellington-Wild Coal Co., coal . . . . .	140 00	
Whitney & Snow, hardware . . . . .	23 57	
William J. Wiley, shovels . . . . .	3 50	
G. H. Worcester & Co., chamois . . . . .	20 75	
West Disinfecting Co., disinfectant . . . . .	55 00	
L. A. Wright, repairing wagons . . . . .	15 75	
Winter Hill Ice Co., ice . . . . .	6 00	
		<u>\$82,833 84</u>

**Fire Department, Additional Apparatus.**

## CREDIT.

Balance from 1909 . . . . .	\$5,059 55
Sewers Construction account, amount transferred . . . . .	101 18.
	<u>\$4,958 37</u>

## DEBIT.

## (Expenditures.)

Cash, paid Dodge Motor Vehicle Co., acid jar, etc. . . . .	\$386 52
O. L. Hill, cable wire . . . . .	5 00
J. A. Kiley, labor . . . . .	2 25
The Pope Mfg. Co., combination chemical and hose wagon . . . . .	4,500 00
expenses of instructors . . . . .	40 00
John B. Rufer, bell hanger . . . . .	5 50
Swinehart Tire Rubber Co., tube . . . . .	14 60
	<u>\$4,953 87</u>
Fire Department account, cross bar holder . . . . .	4 50
	<u>\$4,958 37</u>

**Funded Debt.**

## CREDIT.

Funded Debt, January 1, 1910 . . . . .	\$1,503,000 00
Issue of 1910:—	
City Loan Bonds Nos. 3846 to 3975 . . . . .	\$130,000 00
Sewer Loan Bonds Nos. 499 to 528 . . . . .	30,000 00
	<u>160,000 00</u>
	<u>\$1,663,000 00</u>

## DEBIT.

Bonds matured in 1910:—	
City Loan Bond No. Reg. 115 . . . . .	\$9,000 00
City Loan Bonds Nos. 3530 to 3540 . . . . .	11,000 00
City Loan Bonds Nos. 3653 to 3659 . . . . .	7,000 00
City Loan Bonds Nos. 3726 to 3736 . . . . .	11,000 00
City Loan Bonds Nos. 1704 to 1709 . . . . .	6,000 00
City Loan Bonds Nos. 1977 to 1990 . . . . .	14,000 00
City Loan Bonds Nos. 2172 to 2176 . . . . .	5,000 00
City Loan Bond No. Reg. 172 . . . . .	3,000 00
City Loan Bonds Nos. 2331 to 2335 . . . . .	5,000 00
	<u>\$71,000 00</u>
Amount carried forward . . . . .	\$71,000 00

Amount brought forward . . . . .	\$71,000 00	
City Loan Bonds Nos. 2471 to 2475 . . . . .	5,000 00	
City Loan Bonds Nos. 2592 to 2595 . . . . .	4,000 00	
City Loan Bond No. Reg. 180 . . . . .	2,000 00	
City Loan Bonds Nos. 2726 to 2731 } 2734 to 2735 } . . . . .	8,000 00	
City Loan Bonds Nos. 2840 to 2846 . . . . .	7,000 00	
City Loan Bond No. Reg. 179 . . . . .	8,000 00	
City Loan Bond No. Reg. 164 . . . . .	1,000 00	
City Loan Bonds Nos. 3074 to 3082 . . . . .	9,000 00	
City Loan Bonds Nos. 3235 to 3239 . . . . .	5,000 00	
City Loan Bond No 3240 . . . . .	500 00	
City Loan Bonds Nos. 3241 to 3242 . . . . .	2,000 00	
City Loan Bond No. 3243 . . . . .	500 00	
City Loan Bond No. Reg. 7 . . . . .	8,000 00	
City Loan Bonds Nos. 3162 to 3163 . . . . .	2,000 00	
Sewer Loan Bond No. Reg. 133 . . . . .	1,000 00	
Sewer Loan Bond No. Reg. 20 . . . . .	2,000 00	
Sewer Loan Bond No. 440 . . . . .	1,000 00	
Sewer Loan Bond No. 469 . . . . .	1,000 00	
Sewer Loan Bond No. 69 . . . . .	1,000 00	
Sewer Loan Bond No. 186 . . . . .	1,000 00	
Sewer Loan Bond No. 210 . . . . .	1,000 00	
Sewer Loan Bond No. 232 . . . . .	1,000 00	
Sewer Loan Bond No. Reg. 168 . . . . .	1,000 00	
Sewer Loan Bond No. 285 . . . . .	1,000 00	
Sewer Loan Bond No. 309 . . . . .	1,000 00	
Sewer Loan Bond No. Reg. 1 . . . . .	1,000 00	
Sewer Loan Bond No. Reg. 159 . . . . .	1,000 00	
Sewer Loan Bonds Nos. 126 to 128 . . . . .	3,000 00	
Paving Loan Bonds Nos. 86 to 90 . . . . .	5,000 00	
Water Loan Bond No. 294 . . . . .	1,000 00	
Water Loan Bond No. Reg. 103 . . . . .	3,000 00	
Water Loan Bonds Nos. 426 to 427 . . . . .	2,000 00	
Metropolitan Park Assessment Loan Bond No. Reg. 181 . . . . .	1,000 00	
Lowell Street Bridge Loan Bond No. 1 . . . . .	1,000 00	
	<hr/>	
	\$163,000 00	
Present Funded Debt, balance of account . . . . .	1,500,000 00	
	<hr/>	
		<u>\$1,663,000 00</u>

**Grade Crossings.**

CREDIT.

Commonwealth of Massachusetts, amounts received:—		
Fourth decree of court, Somerville avenue . . . . .		\$10,487 72
Fifth decree of court, Somerville avenue . . . . .		8,352 75
First decree of court, Medford street and elsewhere . . . . .		6,922 22
		<hr/>
		\$25,762 69
Receipts:—		
Cash, received of Boston & Maine Railroad, . . . . .	\$17,855 55	
Boston Elevated Railway Co. . . . .	2,692 31	
Frank W. Kaan, fees . . . . .	30 00	
	<hr/>	
		20,577 86
Balance to debit of account, 1911 . . . . .		33,760 16
		<hr/>
		\$80,100 71

## DEBIT.

(Expenditures.)

Balance from 1909 . . . . .		\$9,376 54
Cash, paid S. Armstrong Co., land damages . . . . .	\$1,538 00	
Boston & Maine Railroad, balance proportional cost of abolition of grade crossing, Somerville avenue, auditor's fourth report and decree of court . . . . .	263 09	
Boston & Maine Railroad, auditor's fifth report and decree of court . . . . .	8,352 75	
Edward A. Binney, appraising . . . . .	262 50	
Joseph Cole, services making estimates for S. Armstrong Co., buildings . . . . .	100 00	
Charles A. and Edith W. Cushman, settlement of suit, Somerville-avenue grade crossing . . . . .	25,000 00	
Eugene H. Jones, photographs . . . . .	154 50	
James A. Kiley, settlement of suit . . . . .	1,800 00	
Frank W. Kaan, services and legal expenses . . . . .	1,858 33	
James P. F. Kelley, settlement of damages . . . . .	2,200 00	
S. R. Knights, services appraising property . . . . .	75 00	
Margaret Munroe, land damages . . . . .	4,900 00	
John J. McNamara, settlement for damages to estate . . . . .	3,100 00	
Robert S. Minot, settlement for damages . . . . .	3,400 00	
John J. Monahan, services making estimates . . . . .	20 00	
Lydia P. Guild, settlement of damages . . . . .	4,800 00	
Henry J. Perkins, land damages . . . . .	5,000 00	
N. H. Reed, services and appraising . . . . .	80 00	
Harry Van Iderstine, appraising . . . . .	220 00	
Albert E. Turner, land damages . . . . .	2,500 00	
Nathan Tufts, land damages and conveyance . . . . .	3,333 33	
L. D. Towle, examination of property . . . . .	100 00	
Mary C. Welles, land damages . . . . .	1,666 67	
		70,724 17
		<u>\$80,100 71</u>

**Health Department.**

## CREDIT.

Appropriations, from Taxes, 1910 . . . . .		\$8,550 00
Excess and Deficiency account, balance transferred . . . . .		1,859 98
		<u>\$10,409 98</u>
Commonwealth of Massachusetts, care of patients . . . . .		476 00
Receipts:—		
Cash, received for milk inspection:—		
Herbert E. Bowman, licenses . . . . .	\$294 00	
analytical work . . . . .	45 00	
	<u>\$339 00</u>	
Amounts carried forward . . . . .	\$339 00	<u>\$10,885 98</u>



Amounts brought forward . . . . .	\$339 00	\$10,885 98
Sundry persons, analytical work . . . . .	42 00	
	<u>          </u>	\$381 00
William P. Mitchell, permits to keep swine . . . . .		70 00
City of Boston, care of patients . . . . .		5 00
City of Cambridge, care of patients . . . . .		99 14
City of Malden, care of patients . . . . .		3 00
City of Marlboro, care of patients . . . . .		75 71
Town of Wellfleet, care of patients . . . . .		62 86
Robert A. Skinner, care of patients . . . . .		32 00
Estate Mellett, care of patient . . . . .		5 00
George W. Norton, condemned meat . . . . .		39
		<u>          </u>
		734 10
		<u>          </u>
		\$11,620 08

DEBIT.

(Expenditures.)

Cash, paid Caleb A. Page, salary as agent . . . . .	\$1,500 00
disbursements . . . . .	50
Sundry persons, burying dead animals . . . . .	95 25
Frank L. Morse, M. D., salary as medical inspector . . . . .	1,400 00
visits to dangerous cases . . . . .	212 20
Charles M. Berry, salary as inspector of animals and provisions . . . . .	1,200 00
disbursements . . . . .	1 00
Herbert E. Bowman, salary as milk inspector . . . . .	1,100 00
disbursements . . . . .	14 45
M. W. White, M. D., salary as medical inspector of parochial school . . . . .	100 00
American Express Co., expressing . . . . .	12 45
Benjamin Abramson, condemned veal . . . . .	39
Adams Pharmacy, delivering cultures . . . . .	80
Walter S. Barnes & Son, boxes . . . . .	7 50
D. J. Bennett, repairing blankets, etc. . . . .	14 50
Bausch & Lomb Optical Co., supplies . . . . .	1 40
Bramhall, Dean & Co., autoclave . . . . .	125 00
J. Bishop & Co., platinum dishes . . . . .	276 21
J. H. Brooks, cleaning blankets . . . . .	2 00
J. W. Baird, analysis . . . . .	3 00
Frank Bowes, provisions . . . . .	2 00
Cambridge Ice Co., ice . . . . .	24 45
City of Boston, care of patients . . . . .	1,045 00
City of Cambridge, care of patients . . . . .	741 74
City of Springfield, care of patients . . . . .	33 00
City of Malden, care of patients . . . . .	32 30
Commonwealth of Massachusetts, care of patients . . . . .	404 00
Claude Curtis, delivering cultures . . . . .	3 00
Cochrane Chemical Co., vitriol . . . . .	9 84
Cotter's Express, expressing . . . . .	25
Commissioners of Corporations, certificates . . . . .	2 50
Paul S. Eaton, delivering cultures . . . . .	90
	<u>          </u>
Amount carried forward . . . . .	\$8,415 63

Amount brought forward . . . . .	\$8,415 63
Edward Edwards, supplies . . . . .	16 33
Eimer & Amend, supplies . . . . .	18 22
Eastern Drug Co., drugs . . . . .	1 90
J. R. Fallon, tubes . . . . .	5 00
C. B. Fagan, services . . . . .	3 00
H. E. Fiske Seed Co., sprayer . . . . .	4 00
J. H. Fletcher, trucking . . . . .	5 00
John S. Frost, provisions . . . . .	6 00
Charles F. Giles, provisions . . . . .	124 00
Thomas Groom & Co., stationery . . . . .	19 92
Martin & Wood, repairing . . . . .	4 00
C. H. Goldthwaite & Co., medicine and supplies . . . . .	18 73
Gilman Express Co., expressing . . . . .	4 30
F. W. Gay, delivering cultures . . . . .	1 30
Glines & Co., expressing . . . . .	30
William S. Howe, typhoid plates and supplies . . . . .	15 50
Percy A. Hall, delivering cultures . . . . .	5 60
P. Hurley, buggy . . . . .	90 00
R. Hull, kerosene . . . . .	50
Andrew G. Hill, services . . . . .	5 10
J. S. F. Huddleston, thermometer . . . . .	4 65
James Hayden, carpenter work . . . . .	1 00
International Instrument Co., supplies . . . . .	127 52
Jenney Mfg. Co., oil . . . . .	24 34
Lakeville State Sanatorium, care of patients . . . . .	277 71
Library Bureau, index cards . . . . .	19 47
Lynn Board of Health, care of patients . . . . .	109 28
Martin & Wood, repairing generator . . . . .	20 00
Wesley A. Maynard, printing . . . . .	38 50
Stewart Miller, labor . . . . .	4 50
Melvin & Badger, evaporating chamber . . . . .	3 50
Ernest B. McClure, collecting samples . . . . .	1 50
Massachusetts State Prison, sample case, New England Telephone & Telegraph Co., service . . . \$115 98 (Cash) . . . . . 30	
	<hr/> 115 68
North Packing & Provision Co., pro- visions . . . . .	64 00
North Reading State Sanatorium Co., care of patients . . . . .	586 28
Henry Perry, chemicals and delivering cultures . . . . .	46 80
R. G. Perkins, medicine . . . . .	7 25
Estate of J. E. Richardson, office rent . . . . .	20 00
A. P. Rockwood, board of horse . . . . .	395 00
John B. Rufer, shoeing . . . . .	50
Somerville Post-office, envelopes and postals . . . . .	182 46
box rent . . . . .	4 00
Somerville Automobile Co., rent of car . . . . .	10 00
Somerville Journal Co., printing and ad- vertising . . . . .	147 70
Somerville Hospital, care of patients . . . . .	342 00
	<hr/>
Amount carried forward . . . . .	\$11,325 97

Amount brought forward . . . . .	\$11,325 97
Smith-Premier Typewriter Co., ribbon . . . . .	75
R. F. Stephenson, care of patient . . . . .	12 00
R. M. Sturtevant, provisions . . . . .	22 00
J. W. Staniford & Co., jars . . . . .	2 00
Thorp & Martin Co., cards . . . . .	1 55
Town of Winchendon, care of patients . . . . .	62 39
Harry Tobin, shoeing . . . . .	22 00
F. H. Thomas Co., supplies . . . . .	14 20
Thorpe's Express, expressing . . . . .	15
Whitall, Tatum Co., bottles . . . . .	43 57
Samuel Ward Co., paper . . . . .	2 85
George W. Wood, provisions . . . . .	68 00
Whitney & Snow, supplies . . . . .	1 45
L. A. Wright, tires . . . . .	23 00
Woodbury & Hager, milk can . . . . .	45
Wellington-Wild Coal Co., coal . . . . .	1 75

\$11,604 08

Health Department, Collection of Ashes and Offal account, spraying . . . . .	16 00
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\$11,620 08

**Health Department, Collection of Ashes and Offal.**

CREDIT.

Appropriations, from Taxes, 1910 . . . . .	\$50,000 00
Excess and Deficiency account, balance transferred . . . . .	10,638 24

\$60,638 24

Stock and labor billed other departments:—

Health Department account, spraying . . . . .	\$16 00
Support of Poor, City Home account, offal, . . . . .	305 55

321 55

Receipts:—

Cash, received of sundry persons, offal . . . . .	9,761 40
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\$70,721 19

DEBIT.

(Expenditures.)

Cash, paid Edgar T. Mayhew, salary as superintendent . . . . .	\$1,400 00
Laborers . . . . .	50,438 75
Thomas Allen, teaming . . . . .	1,130 00
Ames Imp. & Seed Co., jacks . . . . .	7 00
D. J. Bennett, supplies, etc. . . . .	875 93
Herbert E. Bowman, acid . . . . .	45
Jerry Buttimer, teaming . . . . .	40 00
Boston Woven Hose & Rubber Co., hose . . . . .	23 78
Boston & Maine Railroad, freight . . . . .	40
D. Collins, teaming . . . . .	40 00
Edw. F. Caldwell, use of teams . . . . .	200 00
C. W. Cahalan, plumbing . . . . .	8 67
J. H. Edwards, shoeing . . . . .	56 90
James H. Fannon, teaming . . . . .	35 00
John Fisher & Co., offal tubs . . . . .	27 60

Amount carried forward . . . . . \$54,284 48

Amount brought forward . . . . .	\$54,284 48	
Thomas Groom & Co., stationery . . . . .	22 75	
Glines & Co., expressing . . . . .	40	
William S. Howe, repairing . . . . .	1 00	
William T. Kilmartin, teaming . . . . .	1,392 50	
George W. Ladd, shoeing . . . . .	130 25	
Lord & Webster, hay and straw . . . . .	1,856 47	
George McDormand, shoeing . . . . .	266 88	
J. Edward L. McLean, building fence at ledge . . . . .	137 93	
Wesley A. Maynard, printing and advertising . . . . .	44 75	
New England Telephone & Telegraph Co., service . . . . .	47 20	
Fulton O'Brien, hay and grain . . . . .	1,989 06	
Edward O'Brien, shoeing . . . . .	257 51	
Proctor Brothers Grain Co., hay and grain . . . . .	950 08	
Henry W. Perry, supplies . . . . .	9 17	
John B. Rufer, repairing . . . . .	198 20	
G. D. B. Robinson, repairing fence . . . . .	88	
Charles R. Simpson, services . . . . .	149 55	
Walter H. Snow & Sons, teaming . . . . .	10 00	
R. M. Sturtevant, horse . . . . .	350 00	
Shepard, Clark Co., brooms and sponges . . . . .	36 38	
Somerville Journal Co., advertising . . . . .	17 00	
Sullivan Machinery Co., beam for press, . . . . .	12 00	
Suburban Coal Co., teaming . . . . .	45 00	
J. H. Thompson, board of horse . . . . .	370 91	
J. H. Thompson, teaming . . . . .	680 00	
Nathan Tufts & Sons, grain . . . . .	1,167 75	
William J. Thompson & Co., hay . . . . .	473 34	
Charles L. Underhill, repairing . . . . .	3 75	
I. B. Walker, offal wagons . . . . .	395 00	
I. B. Walker, shoeing and repairing . . . . .	664 74	
Whitney & Snow, hardware . . . . .	150 16	
John Wilson, teaming . . . . .	465 00	
L. A. Wright, repairing . . . . .	92 60	
Welch & Hall Co., horses . . . . .	2,125 25	
		\$68,797 94
Highways, Maintenance account, teaming . . . . .	1,905 15	
Highways, Paved Gutters and Crossings account, paving blocks . . . . .	18 10	
		<u>\$70,721 19</u>

### Health Department, Contagious Disease Hospital.

#### CREDIT.

Appropriations, from Taxes, 1910 . . . . .	\$1,000 00	
Excess and Deficiency account, balance transferred . . . . .	981 42	
		<u>\$1,981 42</u>
Receipts:—		
Commonwealth of Massachusetts, care of patients . . . . .	1,788 56	
Cash, received for care of patients:—		
City of Boston . . . . .	\$1,007 87	
City of Cambridge . . . . .	711 43	
		<u>\$3,769 98</u>
Amounts carried forward . . . . .	\$1,719 30	

Amounts brought forward . . . . .	\$1,719 30	\$3,769 98
City of Chelsea . . . . .	154 28	
City of Everett . . . . .	306 42	
City of Fitchburg . . . . .	94 29	
City of Lowell . . . . .	57 86	
City of Medford . . . . .	486 43	
City of New Bedford . . . . .	90 00	
City of Newton . . . . .	49 29	
City of Salem . . . . .	40 71	
City of Springfield . . . . .	77 14	
City of Woburn . . . . .	85 71	
Town of Arlington . . . . .	213 29	
Town of Lexington . . . . .	52 14	
Town of Ware . . . . .	10 00	
Town of Weston . . . . .	23 57	
Sundry persons . . . . .	1,735 94	
	<hr/>	5,196 37
		<hr/>
		\$8,966 35

DEBIT.

(Expenditures.)

Cash, paid Edith M. Grant, matron . . . . .	\$704 59
incidental expenses . . . . .	150 00
Nurses and assistants . . . . .	4,255 18
Edw. B. Bruce Co., whiskey . . . . .	54 09
Robert Burlen, book binding . . . . .	3 00
Calumet Tea & Coffee Co., groceries . . . . .	21 00
Cambridge Ice Co., ice . . . . .	111 59
Callender, McA. & T. Co., quilts, etc. . . . .	27 18
Eagle Oil & Supply Co., oil . . . . .	2 00
Farley, Harvey & Co., scrim . . . . .	31 68
Mary E. Fales, room rent . . . . .	7 71
Willis S. Furbush & Co., medicine . . . . .	95 89
George G. Fox Co., bread . . . . .	4 60
C. H. Goldthwaite & Co., needles . . . . .	80
E. L. Green, room rent . . . . .	8 33
J. Frank Gear, supplies . . . . .	14 76
W. A. Greenough & Co., directory . . . . .	4 00
Martin L. Hall Co., groceries . . . . .	407 91
H. P. Hood & Sons, milk . . . . .	246 52
F. J. Hopkins, fish . . . . .	60 04
I. N. Holman, repairing . . . . .	1 50
J. W. Howard, shrubs and labor . . . . .	10 00
Hobbs & Warren Co., blanks . . . . .	1 12
Hamilton, Brown Shoe Co., shoes . . . . .	21 35
Jones, McDuffee & Stratton Co., dishes . . . . .	43 12
George T. Johnson Co., paper and fixtures . . . . .	11 00
Jordan, Marsh Co., supplies . . . . .	143 05
Lewis Mfg. Co., waste . . . . .	3 63
Wesley A. Maynard, printing . . . . .	14 00
Miley Soap Co., soap powder . . . . .	17 50
Mitchell, Wing & Co., supplies . . . . .	8 90
Melvin & Badger, formaldehyde . . . . .	9 50
National Biscuit Co., biscuits . . . . .	18 08
New England Mfg. Co., butterine . . . . .	54 00
New England Telephone & Telegraph Co., service . . . . .	77 16
	<hr/>
Amount carried forward . . . . .	\$6,644 78

Amount brought forward . . . . .	\$6,644 78	
Dr. E. W. Nagle, vaccine . . . . .	10 00	
National Thermometer Co., ther- mometers . . . . .	19 25	
Richardson, Wright & Co., mattresses, etc. . . . .	395 85	
P. L. Rider, sundries . . . . .	33 06	
Shepard, Norwell & Co., linen and mats . . . . .	39 09	
C. L. Stevens, provisions . . . . .	1,161 03	
E. S. Sparrow & Co., hardware . . . . .	33 93	
Leslie H. Steele, papers . . . . .	3 13	
Standard Chemical Co., sulpho naphthol . . . . .	2 85	
Somerville Brush Co., brushes . . . . .	10 10	
Schieffelin & Co., supplies . . . . .	26 99	
Mrs. F. O. J. Tarbox, room rent . . . . .	12 50	
Samuel Ward Co., stationery . . . . .	7 66	
Washburn-Crosby Co., flour . . . . .	80 95	
Wilson, Larrabee & Co., dry goods . . . . .	138 75	
Whitney & Snow, wash tub . . . . .	1 25	
		<hr/>
	\$8,621 17	
Support of Poor, City Home account, milk and produce . . . . .	345 18	
		<hr/>
		<u>\$8,966 35</u>

### Health Department, Medical Inspection in Public Schools.

#### CREDIT.

Appropriations, from Taxes, 1910 . . . . .	\$1,450 00
Excess and Deficiency account, balance transferred . . . . .	50 00
	<hr/>
	\$1,400 00

#### DEBIT.

#### (Expenditures.)

Cash, paid W. L. Bond, medical inspec- tion . . . . .	\$200 00
Herbert Cholerton, medical inspection . . . . .	200 00
Edward J. Dailey, medical inspection . . . . .	200 00
Robert F. Gibson, medical inspection . . . . .	200 00
Loring H. Raymond, medical inspection, . . . . .	200 00
Francis Shaw, medical inspection . . . . .	200 00
H. M. Stoodley, medical inspection . . . . .	200 00
	<hr/>
	\$1,400 00

### Highway Betterment Assessments.

#### CREDIT.

Cash, received of sundry persons . . . . .	\$7,466 27
Balance to debit of account, 1911 . . . . .	5,519 80
	<hr/>
	\$12,986 07

#### DEBIT.

Balance from 1909 . . . . .	\$3,394 37
Highways Construction account, assess- ments levied . . . . .	6,141 70
Highways, Lowell Street Bridges account, assessments levied . . . . .	3,450 00
	<hr/>
	\$12,986 07

**Highways, Construction.**

CREDIT.

Appropriations, from Funded Debt, 1910 . . . . .		\$43,000 00
Stock and labor billed other departments:—		
Highways Maintenance account, stone . . . . .	\$70 02	
Highways, Paved Gutters and Crossings account, paving blocks . . . . .	591 28	
		<hr/> 661 30
Charged to Highway Betterments account, assessments levied . . . . .		6,141 70
		<hr/> \$49,803 00
Balance from 1909 . . . . .		5,951 51
		<hr/> \$55,754 51
Balance to credit of account, 1911 . . . . .		1,817 69
		<hr/> <hr/> \$53,936 82

DEBIT.

(Expenditures.)

Cash, paid laborers . . . . .	\$12,992 04	
Barrett Mfg. Co., tarvia . . . . .	4,504 38	
Edwin O. Child, Register, recording takings . . . . .	11 00	
Thomas Groom & Co., books . . . . .	10 50	
Fred S. & A. D. Gove Corporation, final payment, paving Washington street . . . . .	2,116 57	
Dennis H. Gleason, settlement for injuries . . . . .	310 00	
S. & R. J. Lombard, paving blocks . . . . .	6,371 46	
Wesley A. Maynard, advertising . . . . .	17 00	
William J. McCarthy Co., crushed stone . . . . .	355 38	
G. F. McKenna & Son, cracked stone . . . . .	10 50	
W. B. Mullen, sand . . . . .	62 31	
Luke D. Mullen, paving blocks . . . . .	600 00	
New England Brick Co., bricks . . . . .	75 19	
Simpson Brothers Corporation, payments on account of paving Somerville avenue and Medford street to Cambridge line . . . . .	12,250 52	
Somerville Journal Co., advertising . . . . .	44 00	
Henry C. & Walter H. Wright, settlement for damages to estate . . . . .	750 00	
Winchester Stone Co., crushed stone . . . . .	3,815 15	
		<hr/> \$44,296 00
Highways Maintenance account, use of city teams and materials . . . . .	9,282 25	
Highways, Paved Gutters and Crossings account, bricks . . . . .	52 40	
Sewers Construction account, labor and materials . . . . .	283 22	
Sidewalks Maintenance account, bricks . . . . .	22 95	
		<hr/> <hr/> \$53,936 82

**Highways Construction, Lowell Street Bridges.**

## CREDIT.

Balance from 1909 . . . . .	\$31,567 13
Highway Betterment account, assessments levied . . . . .	3,450 00
	<hr/>
	\$35,017 13
Excess and Deficiency account, amount transferred . . . . .	15,000 00
	<hr/>
	\$20,017 13
Balance to credit of account, 1911 . . . . .	10,907 18
	<hr/>
	\$9,109 95

## DEBIT.

## (Expenditures.)

Cash, paid laborers . . . . .	\$1,829 75
F. C. Ayer, lumber . . . . .	289 66
John H. Adcock, plumbing . . . . .	75 98
H. S. Angus & Son, raising barn . . . . .	30 00
Estate of John P. Burke, final payment on mason work at 278 Lowell street . . . . .	96 00
Boston & Maine Railroad, constructing bridge . . . \$18,664 51	
Sum paid by Boston & Maine Railroad, under Chapter 307, Acts of 1909 . . . . .	15,000 00
	<hr/>
	3,664 51
F. C. Fuller & Co., hardware . . . . .	24 90
Gertz & Rohwedder, paper, hangings, etc. . . . .	7 88
Highland Coal Co., lime . . . . .	1 25
Frank O. Johnson, furnace work . . . . .	76 00
P. Lacy, mason work . . . . .	878 12
Charles F. Mills, carpentering . . . . .	330 55
S. J. Sands, plumbing, etc. . . . .	185 24
Somerville Furnace & Stove Co., labor and stock . . . . .	20 66
E. S. Sparrow & Co., hardware . . . . .	40 05
Underhill Hardware Co., hardware . . . . .	6 45
	<hr/>
	\$7,557 00
Highways Maintenance account, city teams and materials . . . . .	818 46
Public Grounds account, grading . . . . .	34 50
Water Maintenance account, stock and labor . . . . .	699 99
	<hr/>
	\$9,109 95

**Highways, Maintenance.**

## CREDIT.

Balance from 1909 . . . . .	\$12,341 59
Commonwealth of Massachusetts:—	
Street Railway Tax . . . . .	\$49,645 15
Boston Elevated Railway Tax . . . . .	9,737 32
	<hr/>
	59,382 47
	<hr/>
	\$71,724 06
	<hr/>
Amount carried forward . . . . .	\$71,724 06



Amount brought forward . . . . .	\$71,724 06
Amount transferred to Sidewalks Maintenance account . . . . .	1,900 80
	<hr/>
	\$69,823 26
Balance to credit of account, 1911 . . . . .	9,569 67

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\$60,253 59

Stock and labor billed other departments:—

City Engineer account, crushed stone . . . . .	\$13 57	
Electrical Department account, sand . . . . .	1 00	
Electrical Department, Underground Construction account, crushed stone . . . . .	1 65	
Health Department, Collection of Ashes and Offal account, teaming . . . . .	1,905 15	
Highways Construction account, use of city teams and materials . . . . .	9,282 25	
Highways Construction, Lowell Street Bridges account, city teams and materials . . . . .	818 46	
Highways, Paved Gutters and Crossings account, use of city teams and materials . . . . .	1,040 65	
Highways, Sprinkling Streets account, use of city teams and materials . . . . .	2,637 09	
Highways, Suppression of Elm-leaf Beetle account, use of city teams . . . . .	130 90	
Highways, Suppression of Gypsy and Brown-tail Moths account, use of city teams and materials . . . . .	82 66	
Playgrounds account, labor . . . . .	14 95	
Public Buildings Maintenance, School-houses account, removing trees, etc. . . . .	16 89	
Public Grounds account, labor . . . . .	488 65	
Sewers Construction account, labor, teams, etc. . . . .	665 54	
Sewers Maintenance account, labor . . . . .	36 98	
Sidewalks Construction account, use of city teams and materials . . . . .	3,018 84	
Sidewalks Maintenance account, use of city teams . . . . .	333 66	
Water Maintenance account, stone . . . . .	4 81	
	<hr/>	20,493 70

Receipts:—

Cash, received of sundry persons, constructing driveways . . . . .	\$745 61	
Edison Electric Illuminating Co., labor . . . . .	243 94	
Stearns Brothers, removing snow . . . . .	15 00	
Boston Elevated Railway Co., repairing, Town of Arlington, rolling grounds . . . . .	59 35	
First Universalist Church, labor . . . . .	30 00	
New England Telephone & Telegraph Co., crushed stone . . . . .	7 32	
Cambridge Gas Light Co., repairing . . . . .	51 05	
W. G. Wattie, ashes . . . . .	241 24	
Bragg & Proctor, Trustees, labor . . . . .	1 05	
Waldo Brothers, bags . . . . .	13 57	
Wilbur P. Rice, labor . . . . .	242 39	
	44 13	
	<hr/>	1,694 65

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\$82,441 94

## DEBIT.

(Expenditures.)

Cash, paid Asa B. Prichard, salary as street commissioner . . . . .	\$2,000 00
Laborers . . . . .	55,593 62
Ames Plow Co., plow and pungs . . . . .	120 00
F. C. Ayer, lumber . . . . .	190 05
American Broom Co., brooms, etc. . . . .	130 95
Abbott-Downing Co., express on castings . . . . .	1 30
The Ashton Valve Co., gage glasses . . . . .	2 70
S. Armstrong Co., bungs . . . . .	1 00
Boston Elevated Railway Co., paving on Mystic avenue . . . . .	166 98
Herbert E. Bowman, drugs . . . . .	1 40
Charles E. Berry, repairing . . . . .	15 33
Boston Grease Co., grease . . . . .	18 00
Barrett Mfg. Co., tarvia . . . . .	2,593 33
Boulevard Auto Co., use of cars . . . . .	40 50
Boston Belting Co., hose . . . . .	13 30
James I. Brooks, horse . . . . .	300 00
Barbour, Stockwell Co., castings . . . . .	10 83
Buffalo Steam Roller Co., safety valve . . . . .	13 15
Boston & Maine Railroad, freight . . . . .	1 00
Bowers & De Wick, mittens . . . . .	4 05
Harold L. Bond Co., tools . . . . .	57 99
Bennett & Taylor, jigger . . . . .	35 00
Burbank & Ryder Varnish Co., varnish . . . . .	10 00
G. S. Cheney Co., bandages, etc. . . . .	28 38
Bernard Charles, plants . . . . .	13 50
Charles A. Claflin & Co., packing and gaskets . . . . .	108 50
Frederic W. Cook, cash paid for summoning witnesses . . . . .	4 20
Chandler & Farquhar Co., cotton waste, . . . . .	24 16
William H. Couillard Co., rope . . . . .	41 11
Chase, Parker & Co., wheels . . . . .	21 00
William H. Casey & Co., wagons . . . . .	80 00
Cotter's Express, expressing . . . . .	15
Cling Surface Co., cling surface . . . . .	7 00
Dodge, Haley & Co., supplies . . . . .	385 75
R. W. Doe, iron . . . . .	8 79
Julian D'Este Co., repairing . . . . .	3 00
Davenport-Brown Co., labor and stock . . . . .	4 54
O. W. Dix, grease . . . . .	11 25
E. R. Dix, sand . . . . .	51 00
Horace A. Edgecomb, stenographic report . . . . .	313 25
Edson Mfg. Co., wheel and gear . . . . .	20 86
Walter W. Field & Son, repairing road roller . . . . .	23 24
James A. Ferguson, street sweeper . . . . .	300 00
F. C. Fuller & Co., hardware . . . . .	13 10
James H. Fannon, stone . . . . .	30 75
Benjamin F. Freeman, photographs . . . . .	4 00
G. S. Fletcher, photographs . . . . .	10 50
J. J. Fisher, gas pipe . . . . .	4 45
Fay Brothers Co., iron rods . . . . .	23 00
Amount carried forward . . . . .	\$62,855 96

Amount brought forward . . . . .	\$62,855 96
Globe-Wernicke Co., cabinet and cards, . . . . .	16 00
Thomas Groom & Co., books . . . . .	39 65
Glines & Co., expressing . . . . .	7 70
Gilman Express Co., expressing . . . . .	85
Good Roads Machinery Co., repairing carts . . . . .	300 00
H. Gavell, loam . . . . .	6 00
Gulf Refining Co., oil . . . . .	17 06
William H. Hitchings, veterinary ser- vices . . . . .	154 00
Henderson Brothers, sleds, etc. . . . .	955 00
E. J. Hervey Co., explosives . . . . .	152 28
J. W. Howard, plants . . . . .	45 00
Ingersoll-Sargent Drill Co., couplings . . . . .	4 00
Mrs. S. E. Johnson, settlement for in- juries . . . . .	115 00
Josephine L. Kenney, settlement of claim for damages . . . . .	300 00
Charles A. Kelley, stone . . . . .	24 31
T. E. Littlefield, lumber . . . . .	26 51
A. C. Libbey & Sons, books and sta- tionery . . . . .	56 43
Lord & Webster, hay and straw . . . . .	2,174 94
George W. Ladd, horseshoeing . . . . .	5 25
Martin & Wood, making keys . . . . .	1 50
George McDormand, horseshoeing . . . . .	7 76
J. D. McLellan, lard and salt . . . . .	1 50
Morgan & Bond, harness ware . . . . .	719 73
D. J. Moynahan, board of horse . . . . .	252 42
Wesley A. Maynard, advertising . . . . .	10 50
George F. McKenna & Son, stone . . . . .	16 38
D. McDonald, repairing . . . . .	2 50
W. B. Mullen, sand . . . . .	993 27
Medford Street Market, lard . . . . .	5 53
Miller & Bornstein, canvas . . . . .	17 40
McKinney Brothers & Co., horses . . . . .	1,000 00
New England Towel Supply Co., towels, . . . . .	5 40
New England Oil Co., oil . . . . .	157 20
New England Telephone & Telegraph Co., service . . . . .	82 82
New England Brick Co., bricks . . . . .	142 11
New England Broom Co., refilling brooms . . . . .	40 00
New Boston Tavern, dinners . . . . .	23 00
James A. Nickerson, loam . . . . .	19 50
Fulton O'Brien, hay . . . . .	1,348 07
Edward O'Brien, horseshoeing . . . . .	181 51
J. P. O'Neill, weighing stone . . . . .	90
Proctor Brothers Grain Co., hay and grain . . . . .	1,261 66
Joseph Palmer, repairing spring . . . . .	2 75
John A. Pendergast, brooms . . . . .	10 00
Henry W. Perry, drugs . . . . .	50
W. E. Plumer & Co., brooms . . . . .	43 50
Perrin, Seamans & Co., tools . . . . .	119 12
Priest, Page & Co., repairing wagon scales . . . . .	2 50
Amount carried forward . . . . .	<u>\$73,724 97</u>

Amount brought forward . . . . .	\$73,724 97
John B. Rufer, horseshoeing and clipping . . . . .	4 00
Roberts Iron Works Co., repairing crusher . . . . .	30 40
A. F. Robinson Boiler Works, stock and labor . . . . .	37 39
F. W. Robie, prescriptions . . . . .	2 90
A. G. Renner, expressing . . . . .	15
Somerville Journal Co., printing and advertising . . . . .	32 25
E. S. Sparrow & Co., hardware . . . . .	235 93
J. W. Shannon, stove . . . . .	3 94
Sartwell, Heinold & Humphrey, harness hardware . . . . .	1 50
T. A. Sallaway, paint and oil . . . . .	2 71
George H. Sampson Co., wire . . . . .	2 00
Charles R. Simpson, services as veterinary . . . . .	40 00
Sherburne & Co., shovels . . . . .	55 63
Sexton Can Co., cans and barrel . . . . .	6 50
Walter H. Snow & Sons, catering . . . . .	8 00
R. M. Sturtevant, horse . . . . .	350 00
Standard Oil Co. of New York, asphalt . . . . .	75 00
Samson Draught Co., coils . . . . .	9 60
Somerville Post-office, stamped envelopes . . . . .	32 24
Thorpe's Express, expressing . . . . .	2 00
Nathan Tufts & Sons, hay and grain . . . . .	2,068 27
William J. Thompson & Co., hay . . . . .	289 89
Underhill Hardware Co., paint, etc. . . . .	276 45
Valvoline Oil Co., oil . . . . .	89 69
Wheeler, McElveen & Co., horses . . . . .	700 00
Waldo Brothers, clay and cement . . . . .	1,170 10
A. M. Wood Co., shafts and poles . . . . .	219 18
I. B. Walker, horseshoeing . . . . .	93 61
Asahel Wheeler Co., gold leaf, etc. . . . .	31 75
Frederick B. Witherley, castings . . . . .	8 20
Wellington-Wild Coal Co., fuel . . . . .	1,162 71
L. A. Wright, repairing carts . . . . .	86 30
Samuel Ward Co., stationery . . . . .	9 85
Welch, Dwyer & Grady, repairing cart . . . . .	2 00
John Wilson, planks . . . . .	47 07
Alpheus Ward, repairing rain coat . . . . .	4 25
Winchester Stone Co., stone . . . . .	782 75
Sylvester Woods, stone . . . . .	1 72
City of Waltham, taxes . . . . .	100 80
	<hr/>
	\$81,801 70
Highways Construction account, stone . . . . .	70 02
Highways, Paved Gutters and Crossings account, paving blocks . . . . .	77 45
Sewers Maintenance account, building catch basins . . . . .	310 29
Sidewalks Construction account, lumber . . . . .	13 00
Sidewalks Maintenance account, bricks and sand . . . . .	135 93
Water Maintenance account, repairing hydrants . . . . .	33 55
	<hr/>
	<u>\$82,441 94</u>

**Highways, Paved Gutters and Crossings.**

CREDIT.

Appropriations, from Funded Debt, 1910 . . . . .		\$5,000 00
Sewers Construction account, amount transferred . . . . .		1,736 12
		<hr/>
		\$6,736 12

Stock and labor billed other departments:—

Highways Construction account, bricks . . . . .	\$52 40	
Health Department, Collection of Ashes and Offal account, paving blocks . . . . .	18 10	
Highways Maintenance account, paving blocks . . . . .	77 45	
Sidewalks Construction account, paving blocks . . . . .	1 92	
	<hr/>	149 37
		<hr/>
		\$6,885 99

DEBIT.

(Expenditures.)

Cash, paid laborers . . . . .	\$4,655 40	
Boston Elevated Railway Co., stone . . . . .	320 56	
S. & R. J. Lombard, paving blocks . . . . .	278 10	
	<hr/>	\$5,254 06
Highways Maintenance account, use of city teams and materials . . . . .	1,040 65	
Highways Construction account, paving blocks . . . . .	591 28	
	<hr/>	\$6,885 99
		<hr/>

**Highways, Sprinkling Streets.**

CREDIT.

Taxes, assessments levied . . . . .		\$33,308 20
Excess and Deficiency account, balance transferred . . . . .		4,958 81
		<hr/>
		\$28,349 39

Receipts:—

Cash, received of abutters . . . . .	\$30 00	
City of Chelsea, terracolio . . . . .	13 64	
	<hr/>	43 64
		<hr/>
		\$28,393 03

DEBIT.

(Expenditures.)

Cash, paid laborers . . . . .	\$3,675 38	
Thomas Allen, sprinkling . . . . .	505 16	
Cornelius R. Bowlby, sprinkling . . . . .	618 00	
Jerry Buttimer, sprinkling . . . . .	540 26	
D. Collins, sprinkling . . . . .	674 00	
George E. Carr, sprinkling . . . . .	559 16	
T. F. Crimmings, sprinkling . . . . .	496 45	
Mrs. Allen A. Emery, sprinkling . . . . .	568 06	
J. F. Elkins, sprinkling . . . . .	678 00	
Charles T. Garland, sprinkling . . . . .	508 06	
J. F. Hause & Co., sprinkling . . . . .	618 00	
Jameson Brothers, sprinkling . . . . .	558 06	
	<hr/>	
Amount carried forward . . . . .	\$9,993 59	

Amount brought forward . . . . .	\$9,998 59
W. Kilmartin, sprinkling . . . . .	507 16
Howard Lowell & Son, sprinkling . . . . .	544 06
J. A. Marsh Coal Co., sprinkling . . . . .	530 06
James F. McAllister, sprinkling . . . . .	505 16
Joseph J. Manning, sprinkling . . . . .	505 16
E. J. Nolan, sprinkling . . . . .	549 16
Albion M. Prescott, sprinkling . . . . .	690 00
Mark W. Patten, sprinkling . . . . .	658 00
A. P. Rockwood, sprinkling . . . . .	556 06
Thomas F. Reardon, sprinkling . . . . .	553 16
A. U. Rockwood, sprinkling . . . . .	538 26
D. M. Smith, sprinkling . . . . .	656 00
Suburban Coal Co., sprinkling . . . . .	614 00
George Stevenson, sprinkling . . . . .	662 00
Ralph M. Sturtevant, sprinkling . . . . .	686 00
Mary J. Shean, sprinkling . . . . .	630 00
R. Allen Sturtevant, sprinkling . . . . .	505 16
John R. Wilson, sprinkling . . . . .	658 00
Burbank & Ryder Varnish Co., varnish . . . . .	66 00
Bertha M. Boyd, clerical work . . . . .	80 00
Boston & Maine Railroad Co., freight . . . . .	11 00
Barrett Mfg. Co., tarvia . . . . .	205 80
Boston Belting Co., hose . . . . .	15 13
Boston Woven Hose & Rubber Co., hose . . . . .	7 00
Boston Varnish Co., paint stock . . . . .	123 75
T. A. Cunningham, brushes . . . . .	21 10
Lula E. Chapman, clerical work . . . . .	50 67
Dodge, Haley & Co., hardware . . . . .	88 24
F. C. Fuller & Co., white lead . . . . .	24 00
Thomas Groom & Co., assessment book, Headley Good Roads Co., dust preven- tive . . . . .	18 50
Georgiana M. Mahen, clerical work . . . . .	1,506 32
City of Medford, road oil and sprink- ling . . . . .	16 00
New England Oil Co., benzine . . . . .	97 23
W. E. Plumer & Co., paint and lead . . . . .	50
Joseph Palmer, springs . . . . .	25 75
Robertson & Nixon, insurance on carts . . . . .	42 10
E. S. Sparrow & Co., hardware . . . . .	72 00
E. P. Sanderson Co., axles . . . . .	25 00
Studebaker Brothers Co., supplies . . . . .	12 07
Somerville Journal Co., printing . . . . .	10 01
Standard Oil Co. of New York, road oil, Underhill Hardware Co., paints . . . . .	9 35
(Cash) . . . . .	2,156 85
	\$121 75
	15 43
	<hr/>
	106 32
Whitney & Snow, hardware . . . . .	48 65
A. M. Wood Co., shafts . . . . .	8 50
Walworth Mfg. Co., tools and supplies . . . . .	26 71
I. B. Walker, repairing carts . . . . .	2 95
	<hr/>
	\$25,423 49
Highways Maintenance account, use of city teams and materials . . . . .	2,637 09
	<hr/>
Amount carried forward . . . . .	\$28,060 58

Amount brought forward . . . . .	\$28,060 58	
Water Maintenance account, maintenance of water posts . . . . .	273 82	
Water Works Extension account, water post . . . . .	58 63	
	<hr/>	\$28,393 03

**Highways, Suppression of Elm-Leaf Beetle.**

CREDIT.

Appropriations, from Taxes, 1910 . . . . .	\$1,000 00
Excess and Deficiency account, balance transferred . . . . .	242 69
	<hr/>
	\$757 31

DEBIT.

(Expenditures.)

Cash, paid laborers . . . . .	\$472 13
Frost Insecticide Co., hose couplings . . . . .	124 75
Fellows & Co., ladder sides . . . . .	3 60
Wesley A. Maynard, printing . . . . .	3 75
E. S. Sparrow & Co., bolts . . . . .	48
J. W. Stewart, spring balance . . . . .	35
Underhill Hardware Co., tacks . . . . .	1 35
Walsh Brothers, spraying trees . . . . .	20 00
	<hr/>
	\$626 41
Highways Maintenance account, use of city teams . . . . .	130 90
	<hr/>
	\$757 31

**Highways, Suppression of Gypsy and Brown-Tail Moths.**

CREDIT.

Appropriations, from Taxes, 1910 . . . . .	\$1,800 00
Taxes, assessments levied . . . . .	883 96
	<hr/>
	\$2,683 96
Excess and Deficiency account, balance transferred . . . . .	364 54
	<hr/>
	\$2,319 42

DEBIT.

(Expenditures.)

Cash, paid laborers . . . . .	\$2,115 02
American Express Co., expressing . . . . .	20
Barrett Mfg. Co., creosote . . . . .	4 25
Lois E. Chickering, clerical work . . . . .	42 66
Frost Insecticide Co., mirrors . . . . .	4 80
Thomas Groom & Co., assessment book, . . . . .	10 00
E. S. Sparrow & Co., hardware . . . . .	1 80
Somerville Journal Co., printing . . . . .	55 75
Whitney & Snow, hardware . . . . .	2 28
	<hr/>
	\$2,236 76
Highways Maintenance account, use of city teams and materials . . . . .	82 66
	<hr/>
	\$2,319 42

**Inspection of Buildings.**

## CREDIT.

Appropriations, from Taxes, 1910 . . . . .	\$4,600 00
Excess and Deficiency account, balance transferred . . . . .	91 21
	<hr/>
	\$4,508 79
Receipts:—	
Cash, received of Walter T. Littlefield, witness fees returned . . . . .	3 95
	<hr/>
	\$4,512 74

## DEBIT.

(Expenditures.)

Cash, paid Walter T. Littlefield, salary as commissioner of public buildings . . . . .	\$2,250 00
George H. Galpin, assistant to commissioner of public buildings . . . . .	800 00
Duncan C. Greene, inspector of plumbing . . . . .	1,200 00
Thomas Groom & Co., office supplies . . . . .	13 75
W. A. Greenough & Co., directory . . . . .	4 00
Alexander H. Irvin Co., staples and postage . . . . .	30
Kee Lox Mfg. Co., typewriter supplies . . . . .	7 00
B. L. Makepeace, paper . . . . .	10 60
Wesley A. Maynard, printing . . . . .	1 13
New England Telephone & Telegraph Co., service . . . . .	106 90
Somerville Journal Co., printing . . . . .	73 05
Smith-Premier Typewriter Co., supplies . . . . .	8 95
Samuel Ward Co., stationery . . . . .	7 78
F. S. Webster Co., carbon paper . . . . .	30
Yawman & Erbe Mfg. Co., cards . . . . .	28 98
	<hr/>
	\$4,512 74

**Interest.**

## CREDIT.

Appropriations, from Taxes, 1910 . . . . .	\$80,000 00
Public Library, West Somerville Branch account, amount transferred . . . . .	1,000 00
	<hr/>
	\$79,000 00
Excess and Deficiency account, balance transferred . . . . .	17,397 20
	<hr/>
	\$61,602 80
Receipts:—	
Cash, received of sundry persons:—	
Interest on deferred taxes . . . . .	\$7,351 89
Interest on deferred assessments . . . . .	342 86
Interest on bank balances . . . . .	3,013 54
Accrued interest on bond issue, 1910 . . . . .	1,102 22
	<hr/>
	11,810 51
	<hr/>
	\$73,413 31



## DEBIT.

Coupons maturing April 1, 1910 . . . . .	\$8,152 50	
Coupons maturing July 1, 1910 . . . . .	14,240 00	
Coupons maturing October 1, 1910 . . . . .	10,405 00	
Coupons maturing January 1, 1911 . . . . .	12,660 00	
	<u>          </u>	\$15,457 50
Cash, paid interest on Registered Bonds:—		
Interest due April 1, 1910 . . . . .	\$3,447 50	
Interest due July 1, 1910 . . . . .	1,805 00	
Interest due October 1, 1910 . . . . .	3,572 50	
Interest due January 1, 1911 . . . . .	1,357 50	
	<u>          </u>	10,182 50
On Temporary Loans:—		
Notes Nos. 1 to 14, 251 days, \$200,000 . . . . .	\$4,976 16	
Note No. 15, 251 days, \$50,000, \$100,000 . . . . .	1,220 14	
Notes Nos. 16 to 24, 268 days, \$100,000 . . . . .	3,044 78	
Notes Nos. 25 to 33, 298 days, \$150,000 . . . . .	5,078 42	
Notes Nos. 39 to 46, 281 days, \$100,000 . . . . .	3,332 98	
Note No. 47, 29 days, \$50,000 . . . . .	120 83	
	<u>          </u>	17,773 31
		<u><u>\$73,413 31</u></u>

**Metered Water Charges.**

## CREDIT.

Cash, received of sundry water takers . . . . .	\$15,658 30	
Water Works Income account, abatement . . . . .	6 16	
	<u>          </u>	\$15,664 46
Balance to debit of account, 1911 . . . . .		15,819 10
		<u>          </u>
		\$31,483 56

## DEBIT.

Balance from 1909 . . . . .	\$15,664 46	
Last quarter, district No. 1, uncollected . . . . .	15,819 10	
	<u>          </u>	\$31,483 56

**Military Aid.**

## CREDIT.

Appropriations, from Taxes, 1910 . . . . .	\$700 00	
Excess and Deficiency account, balance transferred . . . . .	322 00	
	<u>          </u>	\$378 00
Commonwealth of Massachusetts, amount charged . . . . .		378 00
		<u>          </u>
		\$756 00

## DEBIT.

(Expenditures.)

Cash, paid sundry persons as per pay rolls . . . . .		\$756 00
		<u>          </u>

**Overlay and Abatement.**

CREDIT.	
Balance from 1909 . . . . .	\$6,882 29
Taxes, amount of overlay from assessors' warrant . . . . .	20,694 41
Amount of assessors' supplementary warrants, 1910 . . . . .	11,699 20
	<u>\$39,275 90</u>
Commonwealth of Massachusetts, abatement of smoke . . . . .	316 65
	<u>\$38,959 25</u>
Balance to credit of account, 1911 . . . . .	21,204 87
	<u>\$17,754 38</u>
DEBIT.	
Taxes, amount of abatements . . . . .	\$17,675 93
(Cash) . . . . .	11 50
	<u>\$17,664 43</u>
Cash, paid sundry persons, money refunded, . . . . .	89 95
	<u>\$17,754 38</u>

**Overplus on Tax Sales.**

CREDIT.	
Balance from 1909 . . . . .	\$118 13
DEBIT.	
Balance to credit of account, 1911 . . . . .	<u>\$118 13</u>

**Playgrounds.**

CREDIT.	
Public Grounds account, amount transferred . . . . .	\$911 72
Excess and Deficiency account, balance transferred . . . . .	202 85
	<u>\$708 87</u>
DEBIT.	
(Expenditures.)	
Cash, paid laborers . . . . .	\$430 70
F. C. Ayer, lumber . . . . .	5 57
F. A. Bassette Co., book . . . . .	2 38
Charles E. Berry, supplies . . . . .	3 04
Alfred W. Dickinson, disbursements . . . . .	7 17
Davenport-Brown Co., screens . . . . .	54 50
Ehrman Mfg. Co., badges . . . . .	3 32
J. L. Hammett Co., raffia, etc. . . . .	11 47
Hemeon Brothers, labor . . . . .	6 12
Iver Johnson Sporting Goods Co., supplies . . . . .	14 94
Jordan Marsh Co., ring toss . . . . .	3 00
J. Edward L. McLean, labor and supplies . . . . .	27 44
Charles F. Mills, carpentering . . . . .	7 60
John T. Scully, sand . . . . .	24 89
Underhill Hardware Co., hose . . . . .	14 40
Whitney & Snow, supplies . . . . .	7 65
Wright & Ditson, balls, etc. . . . .	63 43
	<u>\$687 62</u>
Amount carried forward . . . . .	\$687 62

Amount brought forward . . . . .	\$687 62	
I. B. Walker, hooks and bolts . . . . .	30	
		<hr/>
	\$687 92	
Highways Maintenance account, labor . . . . .	14 95	
Sewers Maintenance account, labor . . . . .	6 00	
		<hr/>
		\$708 87

**Police.**

CREDIT.

Appropriations, from Taxes, 1910 . . . . .	\$50,000 00
Excess and Deficiency account, balance transferred . . . . .	14,107 04
	<hr/>
	\$64,107 04

Receipts:—

Commonwealth of Massachusetts:—

Corporation tax . . . . .	\$1,617 48	
National Bank tax . . . . .	\$53 25	
Corporation tax . . . . .	449 37	
	<hr/>	
	502 62	
		\$1,114 86
Corporation tax . . . . .	\$12,035 09	
Corporation tax, public service . . . . .	9,194 87	
	<hr/>	
	21,229 96	
National Bank tax . . . . .	3,377 03	
	<hr/>	
		25,721 85

Stock and labor billed other departments:—

Electrical Department, board of horse . . . . .		110 46
Cash, received of John R. Fairbairn, master of house of correction, fines . . . . .	\$343 00	
Herbert A. Chapin, clerk of the courts, fines . . . . .	3,474 00	
Sundry persons, cloth for uniforms . . . . .	477 51	
Boston & Maine Railroad Corporation, police service . . . . .	182 50	
Nathan & Hurst Co., old badges . . . . .	13 30	
	<hr/>	
		4,490 31

\$94,429 66

DEBIT.

(Expenditures.)

Cash, paid Charles A. Kendall, chief . . . . .	\$2,000 82
Robert R. Perry, captain . . . . .	1,537 80
Lieutenants:—	
Dennis Kelley . . . . .	1,382 76
Eugene A. Carter . . . . .	1,382 76
Charles E. Woodman . . . . .	1,382 76
Sergeants:—	
Edward McGarr . . . . .	1,230 24
George H. Carleton . . . . .	1,230 24
James M. Harmon . . . . .	1,230 24
John A. Ray . . . . .	1,230 24
Inspector:—	
Thomas Damery . . . . .	1,175 20
Patrolmen (salaries and extra duties):—	
Charles W. Allen . . . . .	979 75
Louis F. Arnold . . . . .	1,131 05
	<hr/>
Amount carried forward . . . . .	\$15,893 86

Amount brought forward . . . . .	\$15,893 86
Louis J. Belzarini . . . . .	1,110 30
Robert T. Blair . . . . .	1,123 55
David A. Bolton . . . . .	1,131 00
Joseph J. Burns . . . . .	461 75
Samuel Burns . . . . .	1,141 05
Edward M. Carter . . . . .	1,118 55
Jotham Chisholm . . . . .	1,131 05
Claude L. Crossman . . . . .	1,124 30
John J. Cummings . . . . .	1,126 65
Robert D. Dewar . . . . .	976 25
Ezra A. Dodge . . . . .	1,118 55
Patrick J. Doolin . . . . .	1,096 30
John A. Dadmun . . . . .	1,122 55
William J. Davidson . . . . .	1,118 55
Edward M. Davies . . . . .	1,134 80
Dennis Downey . . . . .	1,125 55
Elmer E. Drew . . . . .	1,099 65
Joseph A. Dwyer . . . . .	1,034 60
Augustine J. Fitzpatrick . . . . .	799 25
Harvey R. Fuller . . . . .	306 00
Ernest S. Goff . . . . .	1,112 55
Frederick H. Googins . . . . .	1,129 80
Myron S. Gott . . . . .	1,127 30
Frank H. Graves . . . . .	1,126 30
Walter L. Groves . . . . .	1,084 55
Michael J. Hannan . . . . .	401 25
Albert C. Hawes . . . . .	677 50
Theodore E. Heron . . . . .	1,113 55
Herbert Hilton . . . . .	1,076 95
Edward J. Hopkins . . . . .	1,090 05
Frank C. Hopkins . . . . .	1,118 55
Ernest Howard . . . . .	1,118 05
Hudson M. Howe . . . . .	1,136 80
Charles A. Johnson . . . . .	1,138 55
William H. Johnston . . . . .	1,112 15
Frederick G. Jones . . . . .	1,095 05
Edmund J. Keane . . . . .	1,103 10
Michael T. Kennedy . . . . .	1,126 05
William G. Kenney . . . . .	1,096 05
Sanford S. Lewis . . . . .	1,026 55
James M. Lynch . . . . .	1,141 05
Bernard McCabe . . . . .	900 00
Patrick McGrath . . . . .	800 50
Thomas F. McNamara . . . . .	1,123 50
Peter Moore . . . . .	947 50
Dennis G. Mulqueaney . . . . .	1,107 80
Dennis Neylon . . . . .	1,123 55
Francis A. Perkins . . . . .	1,113 98
George A. C. Peters . . . . .	1,127 90
James E. Phillips . . . . .	1,120 40
Walter Reed . . . . .	1,128 05
Charles W. Reick . . . . .	1,134 80
George L. Rice . . . . .	1,123 55
Martin Sharry . . . . .	1,136 05
Daniel G. Simons . . . . .	1,132 30
Lemuel J. Simons . . . . .	1,119 80
Jacob W. Skinner . . . . .	1,147 30
George L. Smith . . . . .	1,118 55
Amount carried forward . . . . .	\$76,856 39

Amount brought forward . . . . .	\$76,856 39
Clyde W. Steeves . . . . .	1,004 20
Charles W. Stevens . . . . .	1,119 80
Harry A. Sudbey . . . . .	1,144 80
William E. Taylor . . . . .	862 50
Thomas P. Walsh . . . . .	982 95
Eugene A. Woodsum . . . . .	1,120 05
Harry C. Young . . . . .	901 25
Drivers:—	
Martin E. Driscoll . . . . .	833 00
John J. Scannell . . . . .	198 00
Edward E. Ware . . . . .	420 00
Charles L. Fulton . . . . .	623 25
James W. Lundergan . . . . .	471 38
Edward F. Culliton . . . . .	31 50
Retired list (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
Albion L. Staples . . . . .	546 00
Special patrolmen:—	
Robert Brown . . . . .	7 50
James Feeney . . . . .	2 50
Michael J. Galvin . . . . .	5 00
Arthur L. Gilman . . . . .	2 50
William W. Baker . . . . .	2 50
Joseph W. Coverly . . . . .	1 25
Theron H. Kinsley . . . . .	3 75
Daniel J. Hourihan . . . . .	1 25
Sundry persons, July 4, 1910 . . . . .	76 25
Services of officers, July 4, 1910:—	
Chief of police, West Newton . . . . .	67 50
Chief of police, Malden . . . . .	68 70
Chief of police, Arlington . . . . .	27 75
Chief of police, Medford . . . . .	25 00
Chief of police, Lexington . . . . .	16 50
Sundry persons, special services at polls, . . . . .	248 00
Minnie F. Woodland, matron . . . . .	183 25
American Towel Supply Co., towels . . . . .	48 00
Auto List Publishing Co., auto registra- . . . . .	10 00
tions . . . . .	
Allen Brothers, badges and repairing . . . . .	12 25
American Express Co., expressing . . . . .	2 65
H. Barrett, photographs . . . . .	21 00
Bostonian Laundry Co., laundering . . . . .	24 58
D. J. Bennett, harness repairs . . . . .	16 45
Charles E. Berry, harness repairs . . . . .	85
Salvatore Bianchino, cleaning police . . . . .	5 90
belts . . . . .	
George S. Brownlow, use of equip- . . . . .	22 50
ments . . . . .	
Clarendon Stable, board of horse . . . . .	300 00
Eugene A. Carter, disbursements . . . . .	122 64
Clark Brothers, Pratt's food . . . . .	75
Thomas Damery, disbursements . . . . .	106 17
D. Evans & Co., buttons and dies . . . . .	259 50
Amount carried forward . . . . .	\$91,991 51

Amount brought forward . . . . .	\$91,991 51
George E. Damon, year book . . . . .	2 00
Edward Edwards, horse medicine . . . . .	1 35
Fitzherbert & Wing, papers . . . . .	4 85
Fresh Pond Ice Co., ice . . . . .	33 15
Fred W. Farrar, repairing . . . . .	75
Benjamin F. Freeman, photographs . . . . .	10 00
W. A. Greenough & Co., directories . . . . .	12 00
Glines & Co., expressing . . . . .	55
Gilman Express Co., expressing . . . . .	55
Globe-Wernicke Co., index cards . . . . .	13 00
Hobbs & Warren Co., office supplies . . . . .	57 39
Hudson M. Howe, disbursements . . . . .	9 80
Harrington Hat Co., helmets . . . . .	15 00
Charles S. Hodsdon & Co., use of horses . . . . .	35 00
Hawley, Folsom Co., gloves . . . . .	13 50
Hayden Costume Co., leggins and ex- pressing . . . . .	4 30
James M. Harmon, disbursements . . . . .	1 25
Iver Johnson Sporting Goods Co., equipments . . . . .	67 17
William H. Johnston, disbursements . . . . .	2 10
William M. Kellogg, use of horses . . . . .	12 00
Charles A. Kendall, disbursements . . . . .	6 42
Michael T. Kennedy, disbursements . . . . .	1 95
George W. Ladd, horseshoeing . . . . .	33 50
Sanford S. Lewis, disbursements . . . . .	56 85
Little, Brown & Co., law books . . . . .	13 50
M. Linsky & Brothers, insignia . . . . .	141 78
Lord & Webster Co., hay and grain . . . . .	126 97
Mary McEachern, meals for prisoners . . . . .	33 50
Peter Moore, disbursements . . . . .	2 00
Thomas D. Mitchell, meals . . . . .	92 40
Martin & Woods, keys . . . . .	2 40
Charles E. Mongan, M. D., professional services . . . . .	20 00
New England Telephone & Telegraph Co., service . . . . .	257 77
Neostyle Co., ink . . . . .	2 25
Fulton O'Brien, hay and grain . . . . .	56 13
Proctor Brothers Grain Co., grain . . . . .	69 17
Perrin, Seamans & Co., lanterns . . . . .	7 20
W. E. Plumer & Co., hardware . . . . .	2 20
Ira L. Roberts, horseshoeing . . . . .	136 50
John B. Rufer, repairing . . . . .	219 95
A. P. Rockwood, carriage hire . . . . .	24 00
Robart-Carleton Co., repairing hangers, John A. Ray, disbursements . . . . .	5 75
M. E. Sturtevant, disbursements . . . . .	2 42
M. E. Sturtevant, disbursements . . . . .	61 05
Somerville Journal Co., printing . . . . .	32 25
S. Slater & Sons, police cloth . . . . .	444 00
Daniel G. Simons, disbursements . . . . .	44 25
R. C. Small & Co., wagon repairs . . . . .	11 00
J. O. Smart, barge hire . . . . .	15 00
R. M. Sturtevant, provisions . . . . .	24 67
Parke Snow, towels . . . . .	1 60
Frank Shepard Co., law book . . . . .	3 00
Amount carried forward . . . . .	\$94,238 65

Amount brought forward . . . . .	\$94,238 65	
Charles R. Simpson, veterinary services . . . . .	3 00	
Somerville Post-office, stamps . . . . .	10 00	
Nathan Tufts & Sons, grain . . . . .	100 92	
William J. Thompson, hay . . . . .	26 41	
J. H. Thompson, use of horse . . . . .	5 00	
Thorpe's Express, expressing . . . . .	25	
Underwood Typewriter Co., ribbons . . . . .	4 00	
Whitney & Snow, hardware . . . . .	13 95	
G. F. Whiting, use of horses . . . . .	25 00	
Walter C. Wardwell, serving notices . . . . .	2 48	
		<u>\$94,429 66</u>

**Printing and Stationery (Public Documents and Stationery for the Board of Aldermen).**

CREDIT.

Appropriations, from Taxes, 1910 . . . . .	\$650 00	
Excess and Deficiency account, amount transferred . . . . .	1,500 00	
		<u>\$2,150 00</u>
Excess and Deficiency account, balance transferred . . . . .	333 51	
		<u>\$1,816 49</u>

DEBIT.

(Expenditures.)

Cash, paid American Multigraph Sales Co., type . . . . .	\$1 80	
John F. Biggs & Co., municipal registers . . . . .	192 00	
Carter, Rice & Co., paper . . . . .	4 00	
Wesley A. Maynard, printing and advertising . . . . .	50 25	
Somerville Post-office, postage . . . . .	27 25	
Somerville Journal Co., printing annual reports, etc. . . . .	1,541 19	
		<u>\$1,816 49</u>

**Property and Debt Balance.**

CREDIT.

Balance from 1909 . . . . .	\$3,857,829 14	
Public Property, property acquired in 1910 . . . . .	62,582 66	
Funded Debt, bonds matured . . . . .	163,000 00	
		<u>\$4,083,411 80</u>

DEBIT.

Funded Debt, issue of 1910 . . . . .	\$160,000 00	
Balance to credit of account, 1911 . . . . .	3,923,411 80	
		<u>\$4,083,411 80</u>

**Public Buildings Construction, Building Public Buildings.**

CREDIT.

Balance from 1909 . . . . .	\$415 49	
Appropriations, from Funded Debt, 1910 . . . . .	70,000 00	
		<u>\$70,415 49</u>
Amount carried forward		\$70,415 49

Amount brought forward . . . . .		\$70,415 49
Amounts transferred from the following:—		
Public Buildings Construction:—		
English High School, Additional School		
Equipment account . . . . .	\$39 87	
Polling Booths account . . . . .	716 86	
Sanford Hanscom School, Land Addition		
account . . . . .	1,039 02	
Sewers Construction account . . . . .	4,000 00	
Sewers Construction account . . . . .	4,000 00	
		<hr/> 9,795 75
		<hr/> \$80,211 24
Amounts transferred to the following:—		
Public Buildings Construction:—		
Benjamin G. Brown School, Land Addition		
account . . . . .	\$791 75	
Bennett School Addition account . . . . .	1,000 00	
Burns School Addition account . . . . .	783 00	
Davis School, Vocational Equipment ac-		
count . . . . .	1,200 00	
Davis School, Vocational Equipment ac-		
count . . . . .	4,000 00	
English High School, Additional School		
Equipment account . . . . .	2,600 00	
Martin W. Carr School, Land Addition		
account . . . . .	5,300 00	
New Sanitaries and Drinking Fountains,		
High School Buildings account . . . . .	5,000 00	
New Sanitaries and Drinking Fountains,		
High School Buildings account . . . . .	820 74	
Schoolhouse in Ward Seven account . . . . .	8,700 00	
Schoolhouse in Ward Seven account . . . . .	23,300 00	
Schoolhouses, Additional Window Space		
account . . . . .	1,900 00	
William H. Hodgkins School Addition		
account . . . . .	8,000 00	
Addition to Contagious Disease Hos-		
pital account . . . . .	5,260 72	
Polling Booths account . . . . .	2,500 00	
Tuberculosis Hospital account . . . . .	8,000 00	
		<hr/> 79,156 21
Balance to credit of account, 1911 . . . . .		<hr/> <hr/> \$1,055 03

**Benjamin G. Brown School, Land Addition.**

## CREDIT.

Balance from 1909 . . . . .	\$1,500 00
Sewers Construction account, amount transferred . . . . .	492 00
Public Buildings Construction, Building Public Buildings	
account, amount transferred . . . . .	791 75
	<hr/> \$2,783 75

## DEBIT.

(Expenditures.)	
Cash, paid J. A. Bremner & Co., painting . . . . .	\$55 05
Amount carried forward . . . . .	<hr/> \$55 05



Amount brought forward . . . . .	\$55 05	
Charles A. Kelley, on account of contract . . . . .	466 33	
J. Edward L. McLean, carpentering . . . . .	265 37	
Mary A. Rice, conveyance of estate and claim for damages . . . . .	1,992 00	
Harry Van Iderstine, appraising property . . . . .	5 00	
	<u>          </u>	<u>\$2,783 75</u>

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

CREDIT.

Public Buildings Construction, Building Public Buildings account, amount transferred . . . . .	\$1,000 00
Balance to credit of account, 1911 . . . . .	990 00
	<u>          </u>
	\$10 00

DEBIT.

(Expenditures.)

Cash, paid Edward A. Binney, appraising . . . . .	\$5 00
Harry Van Iderstine, appraising . . . . .	5 00
	<u>          </u>
	\$10 00

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

CREDIT.

Public Buildings Construction, Building Public Buildings account, amount transferred . . . . .	\$783 00
Balance to credit of account, 1911 . . . . .	778 00
	<u>          </u>
	\$5 00

DEBIT.

(Expenditures.)

Cash, paid Edward A. Binney, appraising . . . . .	\$5 00
	<u>          </u>
	\$5 00

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

CREDIT.

Public Buildings Construction, Building Public Buildings account, amounts transferred . . . . .	\$1,200 00
	4,000 00
	<u>          </u>
	\$5,200 00
Balance to credit of account, 1911 . . . . .	3,751 07
	<u>          </u>
	\$1,448 93

DEBIT.

(Expenditures.)

Cash, paid Walter W. Field & Son, machinery . . . . .	\$139 35
General Electric Co., motors and supplies . . . . .	155 97
Hill, Clarke Co., machinery . . . . .	400 00
Knott & Co., electrical work . . . . .	753 61
	<u>          </u>
	\$1,448 93

**Public Buildings Construction, English High School,  
Additional School Equipment.**

CREDIT.	
Public Buildings Construction, Building Public Buildings account, amount transferred . . . . .	\$2,600 00
Public Buildings Construction, Building Public Buildings account, amount transferred . . . . .	39 87
	<u>\$2,560 13</u>

DEBIT.	
(Expenditures.)	
Cash, paid Davenport-Brown Co., wood- work . . . . .	\$222 69
Hill, Clarke & Co., machinery . . . . .	374 85
Kenney Brothers & Wolkins, furniture . . . . .	1,258 50
J. Edward L. McLean, carpentering . . . . .	265 04
F. M. Rogers & Co., painting . . . . .	334 73
H. G. White Co., electrical work . . . . .	104 32
	<u>\$2,560 13</u>

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

CREDIT.	
Public Buildings Construction, Building Public Buildings account, amount transferred . . . . .	\$5,300 00
Balance to credit of account, 1911 . . . . .	5,293 55
	<u>\$6 45</u>

DEBIT.	
(Expenditures.)	
Cash, paid Harry Van Iderstine, appraising, Fred E. Warren, cash paid for record- ing . . . . .	\$5 00 1 45
	<u>\$6 45</u>

**Public Buildings Construction, New Sanitariums and Drinking  
Fountains, High School Buildings.**

CREDIT.	
Public Buildings Construction, Building Public Buildings account, amounts transferred . . . . .	\$5,000 00 820 74
	<u>\$5,820 74</u>

DEBIT.	
(Expenditures.)	
Cash, paid Charles W. Cahalan, on account of contract . . . . .	\$4,031 62
Bernard Daley, labor . . . . .	33 00
Davenport-Brown Co., woodwork . . . . .	264 08
L. E. Knott Apparatus Co., bubblers . . . . .	216 00
George H. Kennedy, labor . . . . .	3 00
J. E. Locatelli & Co., mason work . . . . .	800 05
Amount carried forward . . . . .	<u>\$5,347 75</u>

Amount brought forward . . . . .	\$5,347 75	
B. L. Makepeace, blue prints . . . . .	1 30	
J. Edward L. McLean, carpentering . . . . .	214 19	
G. F. McKenna & Son, teaming . . . . .	32 50	
S. D. Hicks & Son, ventilation system . . . . .	225 00	
		<u>\$5,820 74</u>

**Sanford Hianscom School, Land Addition.**

CREDIT.

Balance from 1909 . . . . .	\$3,500 00	
Sewers Construction account, amount transferred . . . . .	500 00	
		<u>\$4,000 00</u>
Public Buildings Construction, Building Public Buildings account, amount transferred . . . . .	1,039 02	
		<u>\$2,960 98</u>
Receipts:—		
Cash, received of Mrs. Nellie Dellea, building . . . . .	2,025 00	
		<u>\$4,985 98</u>

DEBIT.

(Expenditures.)

Cash, paid J. M. Andrews & Son, carpentering . . . . .	\$130 74	
Edward A. Binney, services . . . . .	5 00	
Benjamin F. Freeman, photographs . . . . .	4 00	
James H. Fannon, concreting . . . . .	291 27	
Harriet L. Littlefield, settlement of claims . . . . .	377 34	
F. DeWitt Lapham, services . . . . .	50 63	
Wesley A. Maynard, advertising . . . . .	1 75	
William J. McCarthy Co., labor and building material . . . . .	114 25	
Isaac L. Rich, settlement of claims . . . . .	4,000 00	
Somerville Journal Co., advertising . . . . .	6 00	
Harry Van Iderstine, surveying . . . . .	5 00	
		<u>\$4,985 98</u>

**Schoolhouse in Ward Seven.**

CREDIT.

Public Buildings Construction, Building Public Buildings account, amounts transferred (for land) . . . . .	\$8,700 00	
	23,300 00	
		<u>\$32,000 00</u>
Balance to credit of account, 1911 . . . . .		31,992 55
		<u>\$7 45</u>

DEBIT.

(Expenditures.)

Cash, paid Harry Van Iderstine, appraising, Fred E. Warren, cash paid for recording . . . . .	\$5 00	
	2 45	
		<u>\$7 45</u>

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

## CREDIT.

Public Buildings Construction, Building Public Buildings account, amount transferred . . . . .	\$1,900 00
Balance to credit of account, 1911 . . . . .	<u>1,900 00</u>

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

## CREDIT.

Public Buildings Construction, Building Public Buildings account, amount transferred . . . . .	\$3,000 00
Balance to credit of account, 1911 . . . . .	<u>7,980 55</u>
	\$19 45

## DEBIT.

## (Expenditures.)

Cash, paid O. L. Hill, use of automobile . . . . .	\$12 50
Harry Van Iderstine, appraising . . . . .	5 00
Fred E. Warren, cash paid for record- ing . . . . .	<u>1 95</u>
	<u>\$19 45</u>

**Public Buildings Construction, Addition to Contagious  
Disease Hospital.**

## CREDIT.

Balance from 1909 . . . . .	\$2,937 60
Public Buildings Construction, Building Public Buildings account, amount transferred . . . . .	<u>5,260 72</u>
	\$8,198 32

## DEBIT.

## (Expenditures.)

Cash, paid G. W. Bent Co., bed springs . . . . .	\$38 07
D. A. Carr, payments on account of plumbing contract . . . . .	1,091 52
Jackson Caldwell & Co., furniture . . . . .	198 30
Empire Laundry Machinery Co., instal- lation of steam laundry . . . . .	1,045 00
A. C. Gordon, painting . . . . .	652 20
William Leavens & Co., furniture . . . . .	129 90
McKenney & Waterbury Co., electrical supplies . . . . .	125 00
J. Edward L. McLean, on account of contract for carpentering . . . . .	3,893 30
Morandi-Proctor Co., steam table . . . . .	67 50
E. S. Sparrow & Co., house furnishings . . . . .	111 21
Whitten & Jackson, extension of heat- ing plant . . . . .	500 00
H. G. White Co., electrical work . . . . .	<u>346 32</u>
	<u>\$8,198 32</u>

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

CREDIT.		
Sewers Construction account, amount transferred . . . . .		\$4,500 00
Balance to credit of account, 1911 . . . . .		977 24
		\$3,522 76
DEBIT.		
(Expenditures.)		
Cash, paid Armstrong Brothers, on account of plumbing contract . . . . .	\$250 00	
Arthur W. Berry, construction of park buildings . . . . .	3,173 60	
L. E. Knott Apparatus Co., bubblers . . . . .	10 80	
B. L. Makepeace, blue prints . . . . .	1 16	
Whitney & Snow, hardware . . . . .	65 60	
John Welch, digging trench . . . . .	21 60	
		\$3,522 76

**Public Buildings Construction, Polling Booths.**

CREDIT.		
Public Buildings Construction, Building Public Buildings account, amount transferred . . . . .		\$2,500 00
Public Buildings Construction, Building Public Buildings account, amount transferred . . . . .		716 86
		\$1,783 14
DEBIT.		
(Expenditures.)		
Cash, paid C. Bowen, teaming . . . . .	\$111 50	
S. D. Hicks & Son, roofing booths . . . . .	275 00	
B. L. Makepeace, blue prints . . . . .	1 02	
L. A. Penney, constructing voting booths . . . . .	1,265 25	
George L. Robinson, painting . . . . .	26 34	
Slade & Crawford, copying . . . . .	7 74	
William J. Wiley, stoves, etc. . . . .	58 63	
A. J. Wilkinson & Co., search lights . . . . .	16 20	
Asahel Wheeler Co., paints . . . . .	21 46	
		\$1,783 14

**Public Buildings Construction, Tuberculosis Hospital.**

CREDIT.		
Public Buildings Construction, Building Public Buildings account, amount transferred . . . . .		\$8,000 00
Balance to credit of account, 1911 . . . . .		4,854 65
		\$3,145 35
DEBIT.		
(Expenditures.)		
Cash, paid B. L. Makepeace, blue prints and drawing materials . . . . .	\$8 76	
Alfred M. Pride, payments on account of construction of hospital . . . . .	3,000 00	
Amount carried forward . . . . .	\$3,008 76	

Amount brought forward . . . . .	\$3,008 76	
John Welch, digging sewer, etc. . . . .	117 00	
		<hr/>
	\$3,125 76	
Water Works Extension account, pipe and labor . . . . .	19 59	
		<hr/>
		\$3,145 35

**Public Buildings Maintenance, City Buildings.**

## CREDIT.

Appropriations, from Taxes, 1910 . . . . .		\$12,000 00
Excess and Deficiency account, balance transferred . . . . .		5,920 89
		<hr/>
		\$17,920 89
County of Middlesex, rent of court room . . . . .		450 00
Receipts:—		
Cash, received of Thomas Ormond, rent . . . . .	\$120 00	
Arthur Murley, rent . . . . .	120 00	
Walter T. Littlefield, bath house receipts . . . . .	609 00	
		<hr/>
		849 00
		<hr/>
		\$19,219 89

## DEBIT.

## (Expenditures.)

Cash, paid John H. Adcock, plumbing . . . . .	\$3 80
F. C. Ayer, lumber . . . . .	304 87
Ashton Valve Co., gauge . . . . .	1 35
James Bartley, groceries . . . . .	8 70
N. Bernier, plastering . . . . .	97 27
C. W. Cahalan, plumbing . . . . .	322 55
Jackson Caldwell & Co., furniture . . . . .	296 38
Cambridge Gas Light Co., gas . . . . .	307 47
Cambridge Ice Co., ice . . . . .	63 65
Carlisle-Ayer Co., window sashes . . . . .	58 46
D. A. Carr, plumbing . . . . .	68 33
M. P. Canfield, labor on lawns . . . . .	38 50
T. F. Crimmings, connecting drains . . . . .	152 10
James Duncan, reseating chairs . . . . .	10 00
Davenport-Brown Co., boxes, etc. . . . .	65 79
Derby Desk Co., repairing desk . . . . .	5 00
R. W. Doe, repairing and plumbing . . . . .	4 33
J. A. Durell, repairing . . . . .	7 56
R. H. Ducey, carpeting and labor . . . . .	298 95
Doten-Dunton Desk Co., oak desks . . . . .	252 00
Edison Electric Illuminating Co., lighting . . . . .	5,874 61
Empire Laundry Machinery Co., pulley . . . . .	10 00
H. P. Emerson & Co., combs and brushes . . . . .	42
Fred W. Farrar, repairing clocks . . . . .	19 00
Edwin P. Fitzgerald, services as life guard . . . . .	279 00
Gilman Express Co., expressing . . . . .	1 80
Gas Consumers' Association, service . . . . .	20 00
Eugene Girroir, labor . . . . .	18 50
	<hr/>
Amount carried forward . . . . .	\$8,590 39

Amount brought forward . . . . .	\$8,590 39
A. C. Gordon, lettering . . . . .	111 18
General Fireproofing Co., filing case . . . . .	139 00
G. F. Gurney, sweeper . . . . .	1 50
Glines & Co., expressing . . . . .	40
J. J. Hurley & Co., repairing heating apparatus . . . . .	314 92
James Harper & Co., reseating chairs . . . . .	7 60
S. D. Hicks & Son, roofing . . . . .	313 00
Robert Howland, carpentering . . . . .	19 36
House Cleaning Co., cleaning . . . . .	15 85
P. Hurley, teaming . . . . .	18 00
William Hall & Co., altering turn stiles . . . . .	14 50
Heywood Brothers & Wakefield Co., casters . . . . .	7 50
Iver Johnson Sporting Goods Co., bathing suits, etc. . . . .	166 94
Frank O. Johnson, plumbing . . . . .	63 23
George T. Johnson Co., toilet paper . . . . .	5 75
James Kenney, carpentering . . . . .	52 48
Knott & Co., electrical supplies . . . . .	306 97
Kenney Brothers & Wolkins, desk and chair . . . . .	28 25
S. P. Larsen, repairing roofs . . . . .	34 99
C. A. Legallee, labor . . . . .	13 57
T. E. Littlefield, lumber . . . . .	139 06
Library Bureau, section stack . . . . .	312 00
George F. McKenna & Son, teaming . . . . .	144 50
J. Edward L. McLean, carpentering . . . . .	1,233 03
Charles F. Mills, carpentering . . . . .	442 33
A. M. Morton & Co., tools . . . . .	90
C. W. H. Moulton Co., ladder . . . . .	8 25
John J. Murray, repairing clock . . . . .	1 00
F. W. Merrill, repairing bells . . . . .	8 35
George W. Manning, labor on flagstaff and fire escape . . . . .	49 10
H. W. Johns-Manville Co., pipe coverings . . . . .	80 00
Alice Morey, repairing bath house supplies . . . . .	9 05
Martin & Wood, keys . . . . .	2 35
Wesley A. Maynard, cards . . . . .	9 00
William J. McCarthy Co., labor and materials . . . . .	108 25
T. F. McGann Sons & Co., grille cage . . . . .	188 25
Mellish & Byfield Mfg. Co., book case . . . . .	106 00
Frank L. Morse, M. D., medical attendance . . . . .	5 00
New England Towel Supply Co., towels, . . . . .	101 20
A. W. Phillips, concreting and plastering . . . . .	209 46
Arthur Phillips, labor . . . . .	1 00
Pittsburgh Plate Glass Co., glass . . . . .	17 58
W. E. Plumer & Co., hardware . . . . .	5 70
Perfection Cooler Co., cooler . . . . .	10 00
The Phillips Co., repairing . . . . .	50
Quaker Laundering Co., laundry work . . . . .	41 66
George L. Robinson, painting . . . . .	213 36
Amount carried forward . . . . .	<u>\$13,672 26</u>

Amount brought forward . . . . .	\$13,672 26
John B. Rufer, bolts and washers . . . . .	6 00
F. M. Rogers & Co., painting . . . . .	512 75
C. A. Southwick, labor . . . . .	54 00
E. S. Sparrow & Co., hardware . . . . .	295 60
Standard Charcoal Co., charcoal . . . . .	24 00
D. L. Shepard, mason work . . . . .	380 15
Parke Snow, cotton . . . . .	4 80
Richard Swinton, labor . . . . .	4 00
Somerville Laundering Co., laundry work . . . . .	40 13
Somerville Journal Co., cards . . . . .	1 50
S. M. Spencer Mfg. Co., rubber stamps, Sanitary Dust Removing Co., cleaning . . . . .	55
John C. H. Snow, carpentering . . . . .	84 50
Screen & Shade Co., screens . . . . .	347 68
W. A. Thompson & Co., brush . . . . .	59 50
W. A. Thompson & Co., brush . . . . .	85
Thorpe's Express, expressing . . . . .	25
Toppa Boat Mfg. Co., oars and sup- plies . . . . .	5 80
Underhill Hardware Co., hardware . . . . .	9 36
Charles L. Underhill, repairing . . . . .	75
Wellington-Wild Coal Co., fuel . . . . .	2,952 63
Waldo Brothers, cement . . . . .	5 71
Walker, Pratt Mfg. Co., heating appa- ratus . . . . .	23 00
D. W. Webster, repairing chairs . . . . .	2 15
H. G. White Co., electrical work . . . . .	269 16
William J. Wiley, hardware . . . . .	284 02
Arthur W. Walker, repairing clock . . . . .	1 50
West Disinfectant Co., disinfectant . . . . .	35 00
Whitney & Snow, hardware . . . . .	2 60
George H. Wickes & Son, painting . . . . .	23 50
White Cross Laundry Co., laundering . . . . .	32 91
Howard E. Wemyss, dory and oars . . . . .	20 00
H. W. Waite & Co., dust layer . . . . .	2 90
F. B. Witherly, grates . . . . .	10 38
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	\$19,219 89

This account includes:—

City Hall . . . . .	\$5,705 34
City Hall Annex . . . . .	378 48
Public Library . . . . .	2,993 33
West Somerville Branch Library . . . . .	1,206 79
City Home . . . . .	1,711 72
Police Building . . . . .	1,367 95
Contagious Hospital . . . . .	2,352 07
Health Department Stable . . . . .	726 11
Highway Department Stable . . . . .	811 76
Bath House . . . . .	1,042 74
Water Works Building . . . . .	691 11
Sewer Building . . . . .	37 83
Park Buildings . . . . .	194 66
	<hr/>
	\$19,219 89



**Public Buildings Maintenance, Fire Department.**

CREDIT.

Appropriations, from Taxes, 1910 . . . . .	\$4,500 00
Excess and Deficiency account, balance transferred . . . . .	1,746 41
	<hr/>
	\$6,246 41

DEBIT.

(Expenditures.)

Cash, paid John Andrews, pipe covering . . . . .	\$25 14
F. C. Ayer, lumber . . . . .	75 26
John H. Adcock, plumbing . . . . .	39 89
Ashton Valve Co., valves . . . . .	39 00
Burbank & Ryder Varnish Co., finish . . . . .	21 00
Arthur M. Berry, carpentering . . . . .	203 35
Boston Belting Co., diaphragms . . . . .	1 65
P. Bowdren, labor . . . . .	5 00
Cambridge Gas Light Co., gas . . . . .	51 78
Charlestown Gas & Electric Co., gas . . . . .	42 31
F. E. Coan, stair posts, etc. . . . .	22 09
Jackson Caldwell & Co., mattresses . . . . .	165 65
C. W. Cahalan, plumbing . . . . .	139 06
Davenport-Brown Co., wood . . . . .	63 36
J. A. Durell, hardware . . . . .	2 67
Edison Electric Illuminating Co., light- ing . . . . .	1,650 49
F. C. Fuller & Co., ash cans . . . . .	18 00
Fellows & Co., lumber . . . . .	1 00
J. J. Fisher, plumbing . . . . .	81 08
C. E. Goss, repairing roof . . . . .	29 41
Gilman Express Co., expressing . . . . .	1 00
O. L. Hill, fitting brass rail . . . . .	1 50
Charles H. M. Hunnewell, plumbing . . . . .	13 46
S. D. Hicks & Son, repairing roofs . . . . .	128 00
J. J. Hurley & Co., repairing heating apparatus . . . . .	41 85
Jackson Caldwell & Co., furniture . . . . .	24 00
Frank O. Johnson, plumbing . . . . .	265 62
T. E. Littlefield, building material . . . . .	19 35
George F. McKenna & Son, teaming . . . . .	4 00
Charles F. Mills, carpentering . . . . .	228 80
George W. Manning, repairing and painting . . . . .	57 50
J. Edward L. McLean, carpentering . . . . .	72 58
A. M. Morton & Co., steamfitting . . . . .	1 91
F. W. Merrill, electrical work . . . . .	92 45
James W. O'Neil, plumbing . . . . .	24 77
A. W. Phillips, plastering . . . . .	32 43
Pittsburgh Plate Glass Co., glass . . . . .	9 27
W. E. Plumer & Co., hardware . . . . .	7 20
George L. Robinson, painting and var- nishing . . . . .	200 50
John B. Rufer, bolts . . . . .	3 00
Roberts Iron Works Co., repairing boiler . . . . .	67 90
W. A. Snow Iron Works, pipe rail, etc. . . . .	28 85
D. L. Shepard, mason work . . . . .	172 10
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Amount carried forward . . . . .	\$4,105 73

Amount brought forward . . . . .	\$4,105 73	
E. S. Sparrow & Co., hardware . . . . .	10 97	
C. H. Sanborn, repairing heating apparatus . . . . .	19 31	
E. H. Tarbell Co., fixtures . . . . .	2 00	
Underhill Hardware Co., hardware . . . . .	15 13	
William J. Wiley, plumbing . . . . .	7 22	
Waldo Brothers, bricks . . . . .	4 10	
Wellington-Wild Coal Co., fuel . . . . .	1,947 00	
Asahel Wheeler Co., paint . . . . .	11 11	
L. A. Wright, repairing wagons . . . . .	14 40	
Walker & Pratt Mfg. Co., repairing . . . . .	50	
D. W. Webster, reseating chairs . . . . .	1 80	
I. B. Walker, wagon repairing . . . . .	4 20	
Whitney & Snow, hardware . . . . .	53 64	
Henry A. Wheeler & Co., awnings . . . . .	49 30	
		<u>\$6,246 41</u>

### Public Buildings Maintenance, Janitors' Salaries.

CREDIT.		
Appropriations, from Taxes, 1910 . . . . .		\$31,000 00
Excess and Deficiency account, balance transferred . . . . .		531 30
		<u>\$31,531 30</u>

DEBIT.		
(Expenditures.)		
Cash, paid janitors' salaries . . . . .		\$31,531 30
		<u>\$31,531 30</u>

This account includes:—

City Hall . . . . .	\$1,778 00	
City Hall Annex . . . . .	548 00	
Public Library . . . . .	1,054 00	
West Somerville Branch Library . . . . .	756 00	
Schoolhouses . . . . .	25,802 51	
Police Building . . . . .	1,157 79	
Contagious Hospital . . . . .	80 00	
Bath House . . . . .	355 00	
		<u>\$31,531 30</u>

### Public Buildings Maintenance, Schoolhouses.

CREDIT.		
Appropriations, from Taxes, 1910 . . . . .		\$35,000 00
Excess and Deficiency account, balance transferred . . . . .		7,329 58
		<u>\$42,329 58</u>

Receipts:—

Cash, received of Walter T. Littlefield, telephone tolls . . . . .	\$65 65	
old iron, etc. . . . .	40 75	
Sundry persons, use of ward rooms . . . . .	45 00	
Sundry persons, damage to property . . . . .	4 10	
Irving Taylor, one-half cost of fence . . . . .	27 00	
General Electric Co., pulley . . . . .	1 02	
Kenney Brothers & Wolkins, old furniture . . . . .	50 00	
		<u>233 52</u>
		<u>\$42,563 10</u>

DEBIT.

(Expenditures.)

Cash, paid John H. Adcock, plumbing . . . . .	\$32 15
American Seating Co., supplies . . . . .	129 05
J. M. Andrews & Son, carpentering . . . . .	181 71
Armour & Co., washing powder . . . . .	36 55
American Express Co., expressing . . . . .	6 48
F. C. Ayer, lumber . . . . .	162 75
John Andrews, pipe covering . . . . .	31 20
Armstrong Brothers, plumbing . . . . .	19 21
American Metal Polish Co., polish . . . . .	16 20
American School Board Journal, sub- scription . . . . .	1 00
American Radiator Co., grate bars . . . . .	1 50
Edward L. Baro, services . . . . .	2 00
Blodgett Clock Co., repairing clocks . . . . .	5 90
Patrick Bowdren, labor . . . . .	197 01
Edward E. Babb & Co., drinking foun- tain . . . . .	10 00
Edward H. Barter, clocks . . . . .	11 50
Boston Feather Duster Co., dusters . . . . .	124 20
Boston Belting Co., diaphragm . . . . .	55
J. A. Bremner & Co., tinting and shellac- ing . . . . .	122 90
J. A. V. W. Bird & Co., carboy and acid, . . . . .	4 90
Boston Varnish Co., varnish . . . . .	72 00
A. L. Briggs, labor . . . . .	15 00
D. F. Burke, mason work . . . . .	409 60
A. & E. Burton Co., brushes, etc. . . . .	107 90
D. P. Bucknam, plastering . . . . .	124 40
J. F. Brown, repairing clocks . . . . .	12 50
Baker School Specialty Co., chairs . . . . .	296 77
Matthew M. Blunt, repairing chairs . . . . .	14 00
Arthur W. Berry, carpentering . . . . .	464 92
Burbank & Ryder Varnish Co., varnish . . . . .	30 45
George F. Blake Mfg. Co., valve springs . . . . .	2 24
Boulevard Auto Co., hire of cars . . . . .	37 50
H. W. Bursaw, oil . . . . .	4 48
Charles E. Berry, iron and labor . . . . .	1 59
Jackson Caldwell & Co., shades, etc. . . . .	\$383 25
(Cash) . . . . .	8 75
	<hr/>
	374 50
L. E. Clayton, cheese cloth . . . . .	10 73
Roland Crocker, labor . . . . .	2 00
C. W. Cahalan, plumbing . . . . .	19 31
T. A. Cunningham, brushes . . . . .	9 20
Cambridge Gas Light Co., gas . . . . .	789 46
Charlestown Gas & Electric Co., gas . . . . .	368 02
Carlisle-Ayer Co., windows . . . . .	58 01
Charles M. Craig, labor . . . . .	10 00
Cudahy Packing Co., soap polish . . . . .	7 50
John W. Cremen, inspecting weighing of coal . . . . .	33 00
Continental Grate Co., bar for grate . . . . .	4 98
Cotter's Express, expressing . . . . .	75
	<hr/>
Amount carried forward . . . . .	\$4,377 57

Amount brought forward . . . . .	\$4,377 57
Central Oil & Gas Stove Co., grate . . . . .	30
Chapman Valve Mfg. Co., valve . . . . .	2 57
A. W. Chesterton Co., set pack hooks . . . . .	2 25
George W. Coombs, labor, ward rooms . . . . .	9 00
James Duncan, repairing chairs . . . . .	69 00
R. W. Doe, registers . . . . .	72 07
J. H. Derby, repairing clocks . . . . .	10 50
Frederick S. Dickinson, labor . . . . .	31 50
Davenport-Brown Co., wood . . . . .	184 11
S. H. Davis Co., pole hooks . . . . .	4 00
J. A. Durell, hinges . . . . .	30
H. N. Dearborn, painting . . . . .	325 00
R. H. Ducey, cleaning and laying carpets . . . . .	243 95
Thomas Dowd, plastering . . . . .	117 56
Thomas C. Dame, labor, ward rooms . . . . .	3 00
Edison Electric Illuminating Co., light- ing . . . . .	5,020 39
Enterprise Rubber Co., gaskets . . . . .	50 85
James H. Fannon, repairing walks . . . . .	1,071 99
Fred W. Farrar, repairing clocks . . . . .	25 50
F. C. Fuller Co., hardware . . . . .	84 30
F. W. Foster Mfg. Co., grate bar . . . . .	2 60
W. J. Fermoyle, painting . . . . .	417 45
Ernest F. Flagg, metal ceilings . . . . .	163 00
Walter W. Field & Son, setting machinery . . . . .	40 75
Gas Consumers' Association, service . . . . .	42 00
Gilman Express Co., expressing . . . . .	2 50
Eugene Girroir, labor . . . . .	433 60
Glines & Co., expressing . . . . .	35 49
C. E. Gosse, repairing roof . . . . .	86 59
Thomas Groom & Co., stationery . . . . .	1 70
Walter J. Godfrey, painting . . . . .	402 98
H. Gavel, hire of auto . . . . .	32 00
General Electric Co., pulley . . . . .	1 02
Charles Gallaway, labor on ward rooms . . . . .	6 75
Hercules Iron & Supply Co., sinks . . . . .	5 50
Charles H. M. Hunnewell, plumbing . . . . .	7 26
R. Hull, oil . . . . .	29 72
James Harper & Co., upholstering . . . . .	37 40
J. J. Hurley & Co., repairing heating apparatus . . . . .	1,124 20
William S. Howe, pails . . . . .	9 63
W. G. Hallock, brushes . . . . .	3 25
Hodge Boiler Works, boiler plates . . . . .	15 00
Hobbs Mfg. Co., belting . . . . .	5 10
Hosmer & Wedgwood, insurance . . . . .	5 64
S. D. Hicks & Son, roofing . . . . .	578 00
Hemeon Brothers, carpentering . . . . .	92 25
Robert S. Howland, carpentering . . . . .	31 24
Edgar O. Hunt, plumbing . . . . .	23 11
Howard Dustless Duster Co., brushes . . . . .	31 50
Hinckley Rendering Co., soap and pow- der . . . . .	34 79
George H. Harriott, plastering . . . . .	26 27
Amount carried forward . . . . .	\$15,434 00

Amount brought forward . . . . .	\$15,434 00
Hartford Steam Boiler Inspection and Insurance Co., insurance . . . . .	23 94
William Hall & Co., door springs . . . . .	1 50
Ideal Supply Co., plumbing material . . . . .	4 29
H. W. Johns-Manville Co., covering for pipes . . . . .	142 22
Frank O. Johnson, plumbing . . . . .	86 58
Johnson Service Co., repairing . . . . .	76 53
George L. Janvrin, repairing clocks . . . . .	6 50
Frank J. Jameson, sponges . . . . .	21 34
H. James & Son, soap . . . . .	2 00
Jenkins Brothers, washers . . . . .	3 38
Clara M. Kenney, cleaning . . . . .	246 68
James Kenney, labor . . . . .	478 88
E. S. Kearney, saw dust . . . . .	15 00
E. & F. King & Co., soda ash . . . . .	4 97
Knott & Co., electrical supplies . . . . .	919 31
Keystone Wire Matting Co., mats . . . . .	48 60
Kenney Brothers & Wolkins, sets castings . . . . .	566 94
L. E. Knott Apparatus Co., bubblers . . . . .	162 00
John H. Kelley, disbursements . . . . .	20 00
Charles A. Kelley, sand . . . . .	14 00
Howard Lowell & Son, board of horse . . . . .	323 90
George W. Ladd, repairing truck . . . . .	1 65
T. E. Littlefield, building material . . . . .	75 85
John Lingard, painting . . . . .	684 54
Walter T. Littlefield, reimbursement for road meeting expenses . . . . .	11 00
Ellsworth C. Lundgren, labor . . . . .	75
C. A. Legallee, plumbing . . . . .	40 74
S. P. Larsen, roofing . . . . .	175 86
Estate of S. P. Larsen, roofing . . . . .	242 28
John Lane, labor, ward room . . . . .	1 50
George F. McKenna & Son, teaming . . . . .	296 00
Charles F. Mills, carpentering . . . . .	387 48
A. M. Morton & Co., pipe . . . . .	39 02
George W. Manning, work on flagstaffs, Morgan Drug & Chemical Co., dust layer . . . . .	82 25
George McDormand, horseshoeing . . . . .	4 00
Martin & Wood, lock work . . . . .	15 75
Arthur F. Moynihan, plumbing . . . . .	20 35
C. W. H. Moulton Co., step ladders . . . . .	75
B. L. Makepeace, supplies . . . . .	38 10
Daniel McIntyre, gardening . . . . .	51 65
F. W. Merrill, electrical work and supplies . . . . .	65 00
J. Edward L. McLean, carpentering . . . . .	305 82
H. F. Maynard, soap and bags . . . . .	684 78
C. J. Miers & Son, roofing . . . . .	57
T. F. McGann & Sons Co., iron grilles . . . . .	39 32
John C. McLean, furniture . . . . .	8 65
George A. McGunnigle, labor, ward room . . . . .	41 00
William Meskill, labor, ward room . . . . .	5 25
New England Telephone & Telegraph Co., service . . . . .	1 50
	645 20
Amount carried forward . . . . .	<hr/> \$22,569 17

Amount brought forward . . . . .	\$22,569 17
New England Iron Works Co., iron . . . . .	28 00
Neemes Brothers, tie bar . . . . .	1 75
Orient Mfg. Co., spray . . . . .	10 00
James W. O'Neil, plumbing . . . . .	11 68
Patrick J. O'Neil, gardening . . . . .	9 75
John O'Brien, inspecting weighing of coal . . . . .	24 00
John F. O'Brien, labor, ward room . . . . .	2 25
John A. Pendergast, mops . . . . .	8 25
Pittsburgh Plate Glass Co., glass . . . . .	122 46
A. W. Phillips, mason work . . . . .	630 99
Phillips Co., cork washers . . . . .	15
L. A. Penney, carpentering . . . . .	1 57
W. E. Plumer & Co., hardware . . . . .	84 38
Powers Regulator Co., supplies and repairing . . . . .	56 00
O. M. Pote, labor, ward room . . . . .	6 75
A. G. Renner, expressing . . . . .	1 25
Roberts Iron Works Co., repairing boiler . . . . .	419 29
George L. Robinson, painting . . . . .	510 56
John B. Rufer, wrenches . . . . .	5 00
F. M. Rogers & Co., painting . . . . .	43 25
J. W. Rich, labor, ward room . . . . .	1 50
Standard Charcoal Co., charcoal . . . . .	18 00
E. S. Sparrow & Co., hardware . . . . .	105 42
Sexton Can Co., ash barrels . . . . .	44 00
Shepard, Clark & Co., floor brushes . . . . .	99 45
P. Sutherland Co., oil . . . . .	52 00
C. E. Stephenson, repairing clocks . . . . .	7 25
D. L. Shepard, mason work . . . . .	1,171 13
Somerville Journal Co., paper, etc. . . . .	14 75
Standard Range & Stove Co., grate . . . . .	9 85
Sanborn Map Co., map . . . . .	65 00
Standard Extinguisher Co., hose and gaskets . . . . .	5 40
S. M. Spencer Mfg. Co., brass checks . . . . .	2 18
B. F. Sturtevant Co., labor on engine . . . . .	51 20
Stone-Underhill Heating & Ventilating Co., grates . . . . .	14 60
C. H. Sanborn, repairing heating apparatus . . . . .	275 20
John Shea, labor, ward room . . . . .	1 50
W. C. Stephenson Mfg. Co., repairing clock . . . . .	1 25
Thorpe's Express, expressing . . . . .	3 75
E. H. Tarbell Co., electrical supplies . . . . .	2 24
W. A. Thompson & Co., hose . . . . .	22 00
Charles L. Underhill, hardware . . . . .	16 95
Underhill Hardware Co., hardware . . . . .	344 00
D. W. Webster, repairing chairs . . . . .	11 45
H. W. Waite & Co., disinfectant, etc. . . . .	187 80
H. C. White Co., electrical supplies . . . . .	566 52
Arthur W. Walker, repairing clocks . . . . .	11 25
L. A. Wright, door fasteners, etc. . . . .	30 65
William J. Wiley, repairing pipe . . . . .	55 87
Whitney & Snow, hardware . . . . .	190 16
Amount carried forward . . . . .	\$27,928 82

Amount brought forward . . . . .	\$27,928 82	
Henry A. Wheeler & Co., ensigns . . . . .	131 10	
Wellington-Wild Coal Co., fuel . . . . .	13,866 37	
Mary J. Whitney, mending flags . . . . .	3 00	
A. J. Wilkinson & Co., repairing . . . . .	5 93	
John A. Webster & Son, funnel, etc. . . . .	5 75	
Wadsworth, Howland & Co., paints and oils . . . . .	3 92	
Asahel Wheeler Co., paints and oils . . . . .	130 41	
West Disinfectant Co., disinfectant . . . . .	30 00	
Western Electric Co., supplies . . . . .	1 20	
Mrs. George Whiting, fittings for cooking room . . . . .	2 92	
Waldo Brothers, lime and cement . . . . .	87 65	
Walker, Pratt Mfg. Co., flue stoppers . . . . .	75	
G. A. Walker, painting . . . . .	83 72	
John B. Wahlstrom, painting . . . . .	191 00	
Frederick B. Witherly, grates . . . . .	10 56	
Walworth Mfg. Co., wheel wrench, etc. . . . .	4 25	
G. A. Walker Machine Co., repairing motor . . . . .	6 60	
Yawman, Erbe Mfg. Co., section oak case . . . . .	12 00	
		<u>\$42,510 95</u>
Highways Maintenance account, removing trees . . . . .	16 89	
Water Maintenance account, repairing pipes . . . . .	35 26	
		<u>\$42,563 10</u>

**Public Grounds.**

CREDIT.

Appropriations, from Taxes, 1910 . . . . .	\$11,800 00	
Playgrounds account, amount transferred . . . . .	911 72	
		<u>\$10,888 28</u>
Excess and Deficiency account, balance transferred . . . . .	17	
		<u>\$10,888 11</u>
Stock and labor billed other departments:—		
City Engineer account, labor . . . . .	\$296 54	
Highways, Lowell Street Bridges account, labor . . . . .	34 50	
Public Grounds Construction account, grading . . . . .	1,200 00	
Sidewalks Construction account, sods . . . . .	101 00	
Sidewalks Maintenance account, sods . . . . .	5 00	
		<u>1,637 04</u>
Receipts:—		
Cash, received of Somerville High School Athletic Association, labor and materials . . . . .	\$267 00	
Boston Elevated Railway Co., part cost maintenance Broadway parkway . . . . .	100 00	
Joseph Tabalaewsky, old iron . . . . .	24 30	
		<u>391 30</u>
		<u>\$12,916 45</u>

## DEBIT.

(Expenditures.)

Cash, paid laborers . . . . .	\$6,715 30
American Express Co., expressing . . . . .	75
F. C. Ayer, lumber . . . . .	34 18
T. Allen, repairing concrete walks . . . . .	409 90
Barbour-Stockwell Co., castings . . . . .	9 00
Charles E. Berry, labor . . . . .	72 39
Joseph Breck & Sons, pump, etc. . . . .	11 25
Barrett Mfg. Co., tarvia . . . . .	512 94
T. F. Crimmings, excavating and grad- ing . . . . .	1,138 56
J. A. Durell, supplies . . . . .	5 57
Davenport-Brown Co., lumber . . . . .	80
J. J. Fisher, plumbing . . . . .	4 74
F. C. Fuller & Co., hardware . . . . .	54 69
A. C. Gordon, painting . . . . .	24 45
Thomas J. Grey Co., repairing mower knives . . . . .	18 00
Gilman Express Co., expressing . . . . .	40
Hemeon Brothers, carpentering . . . . .	136 00
J. W. Howard, plants and labor . . . . .	1,151 87
Highland Coal Co., lime . . . . .	5 00
George W. Manning, splicing . . . . .	47 50
Martin & Wood, sharpening . . . . .	27 35
C. H. Manzer, seats . . . . .	17 50
Charles F. Mills, carpentering . . . . .	45 60
Theodore Metcalf Co., drugs . . . . .	5 50
W. E. Plumer & Co., rope . . . . .	3 92
Pigeon-Fraser Hollow Spar Co., flag pole . . . . .	238 76
W. E. Plumer & Co., hardware . . . . .	3 69
Mrs. S. A. Parker, repairing flag . . . . .	1 25
George G. Page Box Co., stakes . . . . .	3 60
Revere Rubber Co., hose . . . . .	40 00
E. S. Sparrow & Co., hardware . . . . .	24 47
C. H. Spofford & Son, building fence . . . . .	101 80
James Tevlin, teaming . . . . .	1,095 16
Underhill Hardware Co., hardware . . . . .	70 00
I. B. Walker, repairing . . . . .	23 82
Whitney & Snow, hardware . . . . .	100 45
Henry A. Wheeler & Co., ensigns . . . . .	10 09
Wright & Ditson, bases . . . . .	5 50
Walsh Brothers, spraying . . . . .	200 00
Walter A. Wood M. & R. M. Co., repair- ing . . . . .	3 30
L. A. Wright, repairing . . . . .	25
	<hr/>
	\$12,405 30
Highways Maintenance account, labor . . . . .	488 65
Sewers Maintenance account, sand . . . . .	22 50
	<hr/>
	<u>\$12,916 45</u>

**Public Grounds Construction.**

## CREDIT.

Sewers Construction account, amount transferred . . . . .	\$1,200 00
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## DEBIT.

(Expenditures.)

Stock and labor billed other departments:—	
Public Grounds account, grading, etc. . . . .	<u>\$1,200 00</u>



**Public Library.**

CREDIT.

Appropriations, from Taxes, 1910 . . . . .		\$17,000 00
County of Middlesex, dog licenses . . . . .		4,085 76
		<hr/>
		\$21,085 76
Stock and labor billed other departments:—		
School Contingent account, books lost . . . . .		19 29
Cash, received of Sam Walter Foss, Librarian:—		
books . . . . .	\$102 54	
fines . . . . .	713 44	
telephone tolls . . . . .	11 05	
	<hr/>	827 03
		<hr/>
		\$21,932 08

DEBIT.

(Expenditures.)

Cash, paid Sam Walter Foss, salary as librarian . . . . .	\$2,500 00
Florence D. Hurter, assistant librarian . . . . .	399 96
labor . . . . .	50 76
Nellie M. Whipple, assistant librarian . . . . .	266 72
Esther Mayhew, cataloguer . . . . .	700 00
Edith B. Hayes, assistant cataloguer . . . . .	600 00
Anna L. Stone, assistant . . . . .	650 00
Mabel E. Bunker, assistant . . . . .	733 20
Mary S. Woodman, assistant . . . . .	650 00
Bessie L. Duddy, assistant . . . . .	600 00
Alice W. Sears, assistant . . . . .	424 96
Florence M. Barber, assistant . . . . .	75 00
A. Myrtle Merrill, assistant . . . . .	474 98
Ruby G. White, assistant . . . . .	266 64
Louise Thiery, assistant . . . . .	308 32
A. Lisette Parker, assistant . . . . .	175 01
Helen Spear, assistant . . . . .	118 98
Hazel Macy, assistant . . . . .	39 59
Myrtle Nicholson, assistant . . . . .	40 56
Zoe E. Nelson, assistant . . . . .	16 66
Cecil M. Barlow, assistant . . . . .	65 85
William E. Bagster, assistant . . . . .	65 35
Edgar L. Kaula, assistant . . . . .	157 90
Harry B. Benson, assistant . . . . .	107 60
D. Brooke McKinnon, assistant . . . . .	14 05
Oscar H. Cedarlund, assistant . . . . .	38 30
Richard Barlow, assistant . . . . .	61 20
American Educational Co., books . . . . .	3 50
American Express Co., expressing . . . . .	46 97
American Library Association, membership . . . . .	5 00
American Political Science Association, periodical . . . . .	3 00
John R. Anderson Co., books . . . . .	93 57
A. R. Andrews, repairing . . . . .	6 60
William Abbott, books . . . . .	6 65
J. Q. Adams & Co., books . . . . .	19 00
American Library Co., books . . . . .	20 00
Robert Appleton Co., books . . . . .	18 00
	<hr/>
Amount carried forward . . . . .	\$9,823 88

Amount brought forward . . . . .	\$9,823 88
American Academy of Political and So- cial Science, book . . . . .	5 00
A. L. A. Publishing Board, books . . . . .	55
Theo. Andel & Co., books . . . . .	2 80
N. W. Ayer & Son, books . . . . .	5 60
Frank W. Atwood, supplies . . . . .	4 00
George T. Bailey, periodicals . . . . .	22 92
Cecil M. Barlow, express . . . . .	22 80
Booklovers' Library, books . . . . .	1 20
Stanley M. Bowlby, express . . . . .	78 00
N. J. Bartlett & Co., books . . . . .	69 95
Boston Book Co., books and periodicals, W. A. Butterfield, books . . . . .	76 78 4 00
Boston Music Co., music books . . . . .	1 83
Burrows Brothers Co., books . . . . .	12 76
Burnham Antique Book Store, books . . . . .	10 50
Richard Barlow, express . . . . .	8 25
Charles E. Booth, book . . . . .	5 00
William R. Bradford, books . . . . .	7 00
Brown's Express, expressing . . . . .	2 05
Buck Printing Co., supplies . . . . .	3 50
Harry B. Benson, express . . . . .	1 80
W. B. Clarke Co., books . . . . .	824 12
Chivers Book Binding Co., books . . . . .	183 93
C. M. Clark Publishing Co., periodical . . . . .	1 00
College Bindery, binding . . . . .	397 94
Christian Work & Evangelist, peri- odical . . . . .	3 00
Josiah Cummings & Son, supplies . . . . .	4 00
Carnegie Institute of Washington, book . . . . .	2 00
Arthur H. Clark Co., books . . . . .	6 75
Charles W. Clark Co., books . . . . .	4 95
Cambridge Ice Co., ice . . . . .	10 00
P. F. Collier & Son, books . . . . .	47 03
Dennison Mfg. Co., supplies . . . . .	8 44
Desmond Publishing Co., books . . . . .	21 60
DeWolfe, Fiske Co., books . . . . .	3,871 52
Oliver Ditson Co., music books . . . . .	10 93
George E. Damon Co., books . . . . .	2 00
Dodd, Mead & Co., books . . . . .	10 82
Mrs. A. M. Dunklee, book . . . . .	1 50
Olin S. Davis, supplies . . . . .	47 00
Engineering News Publishing Co., book, Elm Tree Press, books . . . . .	1 60 2 00
Eagle Printing & Binding Co., books . . . . .	1 22
Charles Evans, books . . . . .	15 00
David Farquhar, binding . . . . .	1,800 76
Fitzherbert & Wing, periodicals . . . . .	22 05
Benjamin F. Freeman, photographs . . . . .	2 50
Frost & Adams Co., supplies . . . . .	3 60
Funk & Wagnalls Co., books . . . . .	3 60
The Four Seas Co., book . . . . .	53
T. T. Fryer, books . . . . .	16 00
Gilman Express Co., expressing . . . . .	20 88
Glines & Co., expressing . . . . .	6 70
Herman Goldberger, periodical . . . . .	490 35
Amount carried forward . . . . .	\$18,015 49

Amount brought forward . . . . .	\$18,015 49
Thomas Groom & Co., stationery . . . . .	81 15
Globe Stamp Works, supplies . . . . .	10 05
W. A. Greenough & Co., books . . . . .	15 00
Goodspeed's Book Shop, book . . . . .	4 15
Globe-Wernicke Co., cabinets . . . . .	59 00
Ginn & Co., books . . . . .	16 48
Gaylord Brothers, supplies . . . . .	2 70
H. R. Hunting Co., books . . . . .	102 45
L. A. E. Harding, agency . . . . .	21 64
Heaton's Agency, books . . . . .	1 25
Caroline L. Himebaugh, books . . . . .	88 29
S. Henry Hadley, music books . . . . .	1 25
E. F. Hovey & Co., supplies . . . . .	6 54
Holden Patent Book Cover Co., sup- plies . . . . .	6 75
Houghton, Mifflin & Co., books . . . . .	5 00
J. L. Hammett Co., books . . . . .	21 27
Harvard University, books . . . . .	1 38
R. H. Hinckley Co., books . . . . .	6 00
Int. Who's Who Publishing Co., books, Emma C. B. Jones, books . . . . .	5 00 15 00
Kee Lox Mfg. Co., supplies . . . . .	7 50
King-Richardson Co., books . . . . .	24 50
Kimball Brothers, books . . . . .	8 10
W. A. Keating, books . . . . .	21 03
Charles E. Lauriat Co., books . . . . .	260 69
Library Bureau, supplies . . . . .	66 15
Little, Brown & Co., books . . . . .	113 74
George E. Littlefield, books . . . . .	69 80
Lothrop, Lee & Shepard Co., books . . . . .	24 75
Library of Congress, cards . . . . .	75 00
Lord Baltimore Press, books . . . . .	2 50
Henry Malkan, books . . . . .	99 93
Medford Historical Society, periodical . . . . .	1 00
Noah Farnham Morrison, books . . . . .	19 47
P. F. Madigan, books . . . . .	40 00
Municipal Journal, periodical . . . . .	3 00
Wesley A. Maynard, printing . . . . .	75
Marshall, Son & Co., supplies . . . . .	10 35
Isaac Mendoza Book Co., books . . . . .	3 75
Moody Manual Co., book . . . . .	12 00
Mellish & Byfield Mfg. Co., furniture . . . . .	162 00
McDevitt-Wilson, books . . . . .	12 40
Macmillan Co., books . . . . .	3 93
New England Telephone & Telegraph Co., service . . . . .	57 84
National Education Association, book . . . . .	2 00
National Conference of Charities and Correction, book . . . . .	4 10
Thomas Nelson & Sons, books . . . . .	72 00
Ethel M. Nute, disbursements . . . . .	7 56
C. A. Nichols Co., book . . . . .	5 00
National Association Study and Educa- tion of Exceptional Children, book . . . . .	1 06
Old Corner Book Store, books . . . . .	98 57
Oliver Typewriter Co., supplies . . . . .	62
Outing Magazine, periodical . . . . .	50
Amount carried forward . . . . .	\$19,777 43

Amount brought forward . . . . .	\$19,777 43
Perham's Express, expressing . . . . .	5 65
Publishers' Weekly, books and peri- odicals . . . . .	20 50
Pilgrim Press, books . . . . .	9 00
G. P. Putnam's Sons, book . . . . .	15 33
Pennsylvania Publishing Co., book . . . . .	30
A. W. Phillips, express . . . . .	14 15
Prince Society, books . . . . .	5 00
Playground Association of America, books . . . . .	5 55
Pearson Brothers, books . . . . .	8 90
Harry J. Ramsey, agency . . . . .	240 00
Ritter & Flebbe, books . . . . .	44 98
Rumford Press, books . . . . .	1 30
Fleming H. Revell Co., book . . . . .	75
Review of Reviews, books . . . . .	11 00
Robertson & Nixon, insurance . . . . .	135 00
Rudder Publishing Co., periodical . . . . .	75
Republican Publishing Co., books . . . . .	4 00
P. B. Sanford Co., binding . . . . .	116 25
Schoenhof Book Co., books . . . . .	66 83
Charles Scribner's Sons, books . . . . .	83 11
Somerville High School Radiator, peri- odical . . . . .	75
Southern Publication Society, books . . . . .	20 00
C. A. Southwick, Jr., express . . . . .	5 80
Superintendent of Documents, peri- odical . . . . .	3 00
Hobart J. Shanley & Co., books . . . . .	1 25
Somerville Journal Co., printing . . . . .	534 12
Sunday School Times Co., book . . . . .	1 25
System Co., periodical . . . . .	2 00
Sampson & Murdock Co., books . . . . .	12 00
Arthur P. Schmidt, music book . . . . .	38
Theo. E. Schulte, music books . . . . .	7 40
Somerville Post-office, postage . . . . .	20 00
Smith & McCance, books . . . . .	3 16
Smith-Premier Typewriter Co., type- writer . . . . .	77 00
Tabard Inn Book Co., books . . . . .	10 69
Thorpe's Express, expressing . . . . .	2 75
Technical Publishing Co., periodical . . . . .	1 50
C. W. Thompson Co., music books . . . . .	222 13
Topsfield Historical Society, book . . . . .	1 95
Truman H. Thorpe, book case . . . . .	40 00
Underwood & Underwood, stereo- graphs . . . . .	34
Union Stamp Works, stamp . . . . .	2 50
University of Chicago Press, book . . . . .	3 33
Underhill Hardware Co., hardware . . . . .	75
Union Library Association, books . . . . .	40 28
M. L. Vinal, agency . . . . .	77 62
H. W. Wilson Co., books and peri- odicals . . . . .	54 25
Helen M. Winslow, book . . . . .	11 25
Williams & Neiley, printing . . . . .	56 75
John Wiley & Sons, book . . . . .	4 34
Amount carried forward . . . . .	<hr/> \$21,784 82

Amount brought forward . . . . .	\$21,784 82	
Samuel Ward Co., stationery . . . . .	10 92	
Mary S. Woodman, disbursements . . . . .	7 56	
Nellie M. Whipple, disbursements . . . . .	72 49	
H. C. White Co., stereographs . . . . .	33 34	
Edgar S. Werner & Co., books . . . . .	4 95	
J. B. White, books . . . . .	10 00	
A. J. Wilkinson & Co., supplies . . . . .	1 25	
John H. Williams, book . . . . .	1 00	
Williams Book Store, music books . . . . .	4 50	
Zion's Herald, periodical . . . . .	1 25	
		<u>\$21,932 08</u>

**Public Library, Frances A. Wilder Children's Department Fund.**

CREDIT.

Balance from 1909 . . . . . \$100 00

DEBIT.

Balance to credit of account, 1911 . . . . . \$100 00

**Public Library, Frances A. Wilder Children's Department Fund, Income.**

CREDIT.

Balance from 1909 . . . . . \$4 40

Cash, income from invested funds . . . . . 1 75

\$6 15

DEBIT.

Balance of account unused, carried to 1911 . . . . . \$6 15

**Public Library, Frances A. Wilder Children's Department Fund, Investment.**

CREDIT.

Balance to debit of account, 1911 . . . . . \$100 00

DEBIT.

Balance from 1909 . . . . . \$100 00

**Public Library, Isaac Pitman Fund, Art.**

CREDIT.

Balance from 1909 . . . . . \$4,251 66

DEBIT.

Balance to credit of account, 1911 . . . . . \$4,251 66

**Public Library, Isaac Pitman Fund, Poetry.**

CREDIT.

Balance from 1909 . . . . . \$1,062 92

DEBIT.

Balance to credit of account, 1911 . . . . . \$1,062 92

**Public Library, Isaac Pitman Fund, Income, Art.**

## CREDIT.

Balance from 1909 . . . . .		\$127 27
Receipts:—		
Cash, income from invested funds . . . . .	\$160 00	
Interest on deposits . . . . .	5 02	
	<hr/>	165 02
		<hr/>
		\$292 29
Balance of account unused, carried to 1911 . . . . .		172 52
		<hr/>
		\$119 77

## DEBIT.

## (Expenditures.)

Cash, paid Cassell & Co., book . . . . .	\$2 05	
DeWolfe, Fiske & Co., books . . . . .	41 85	
Caroline L. Himebaugh, books . . . . .	3 50	
Library Art Club, pictures . . . . .	6 00	
McDevitt-Wilson, books . . . . .	24 40	
Isaac Mendoza Book Co., books . . . . .	4 00	
Old Corner Book Store, books . . . . .	1 50	
Ritter & Flebbe, book . . . . .	12 10	
Underwood & Underwood, stereo- graphs . . . . .	7 36	
H. C. White Co., stereographs . . . . .	17 01	
	<hr/>	\$119 77
		<hr/>

**Public Library, Isaac Pitman Fund, Income, Poetry.**

## CREDIT.

Balance from 1909 . . . . .		\$34 26
Receipts:—		
Cash, income from invested funds . . . . .	\$40 00	
Interest on deposits . . . . .	1 26	
	<hr/>	41 26
		<hr/>
		\$75 52
Balance of account unused, carried to 1911 . . . . .		39 72
		<hr/>
		\$35 80

## DEBIT.

## (Expenditures.)

Cash, paid Charles Follen Adams, book . . . . .	\$1 00	
DeWolfe, Fiske Co., books . . . . .	7 05	
Henry Malkan, books . . . . .	22 50	
Scrantom, Wetmore & Co., books . . . . .	5 25	
	<hr/>	\$35 80
		<hr/>

**Public Library, Isaac Pitman Fund, Investment.**

## CREDIT.

Balance to debit of account, 1911 . . . . .		\$5,314 58
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## DEBIT.

Balance from 1909 . . . . .		\$5,314 58
		<hr/>

**Public Library, West Somerville Branch.**

CREDIT.

Appropriations, from Taxes, 1910 . . . . .	\$4,000 00
Interest account, amount transferred . . . . .	1,000 00
	<hr/>
	\$5,000 00
Excess and Deficiency account, balance transferred . . . . .	19
	<hr/>
	\$4,999 81

Receipts:—

Cash, received of custodians:—		
fines . . . . .	\$361 93	
books . . . . .	15 64	
telephone tolls . . . . .	3 90	
	<hr/>	381 47
		<hr/>
		\$5,381 28

DEBIT.

(Expenditures.)

Cash, paid Nellie M. Whipple, custodian . . . . .	\$474 98
Alice W. Sears, branch librarian . . . . .	233 36
Ethel M. Nute, assistant . . . . .	366 68
Annie M. Currie, assistant . . . . .	87 02
Bessie S. Cobb, assistant . . . . .	266 64
Ruth Fales, assistant . . . . .	72 01
Ronald Moore, assistant . . . . .	107 55
Harold Currie, assistant . . . . .	20 70
John R. Anderson Co., books . . . . .	36 77
Frank W. Atwood, supplies . . . . .	8 00
D. Appleton & Co., books . . . . .	18 00
Boston Book Co., periodicals . . . . .	2 42
W. B. Clarke Co., books . . . . .	588 38
Harold Currie, express . . . . .	44 70
Carter, Rice & Co., supplies . . . . .	3 00
Charles W. Clark Co., books . . . . .	33 30
Cambridge Ice Co., ice . . . . .	9 20
Chivers Book Binding Co., books . . . . .	28 14
DeWolfe & Fiske Co., books . . . . .	1,461 30
David Farquhar, binding . . . . .	420 31
Thomas Groom & Co., stationery . . . . .	13 13
Herman Goldberger, periodicals . . . . .	293 37
W. A. Greenough & Co., directory . . . . .	4 00
Griffith-Stillings Press, book . . . . .	2 50
Globe-Wernicke Co., cabinet . . . . .	48 50
H. R. Huntting Co., books . . . . .	62 00
Caroline L. Himebaugh, books . . . . .	7 23
Houghton Mifflin Co., books . . . . .	17 50
King, Richardson Co., books . . . . .	20 00
Charles E. Lauriat Co., books . . . . .	96 01
Library Bureau, supplies . . . . .	17 88
Lothrop, Lee & Shepard Co., books . . . . .	4 05
Wesley A. Maynard, printing . . . . .	41 10
Marshall, Son & Co., supplies . . . . .	7 35
McDevitt-Wilson, books . . . . .	49 63
New England Telephone & Telegraph Co., service . . . . .	29 60
	<hr/>
Amount carried forward . . . . .	\$4,996 31

Amount brought forward . . . . .	\$4,996 31	
Thomas Nelson & Sons, books . . . . .	47 00	
Old Corner Book Store, books . . . . .	111 10	
Pilgrim Press, books . . . . .	14 29	
Review of Reviews Co., books . . . . .	16 50	
P. B. Sanford Co., binders . . . . .	7 50	
Leslie H. Steele, periodicals . . . . .	32 98	
Theo. E. Schulte, books . . . . .	41 00	
Sampson & Murdock Co., book . . . . .	6 00	
Charles Scribner's Sons, books . . . . .	3 75	
G. Storrs & Bement Co., supplies . . . . .	2 30	
Somerville Post-office, postage . . . . .	1 00	
J. Herbert Thompson, books . . . . .	10 00	
C. W. Thompson & Co., music books . . . . .	85 55	
H. W. Wilson Co., periodical . . . . .	6 00	
		\$5,381 28

**Public Property.**

	CREDIT.	
Balance to debit of account, 1911 . . . . .		\$5,423,411 80
	DEBIT.	
Property and Debt Balance, property ac- quired in 1910 . . . . .	\$62,582 66	
Balance from 1909 . . . . .	5,360,829 14	
		\$5,423,411 80

**Real Estate Liens.**

	CREDIT.	
Balance from 1909 . . . . .		\$3,027 52
	DEBIT.	
Balance to debit of account, 1911 . . . . .		\$3,027 52

**Redemption of Tax Liens.**

	CREDIT.	
Cash, received of sundry persons, redemption of tax liens, . . . . .	\$1,696 77	
Amount accruing to city under Chapter 443, Acts of 1902 . . . . .	26 00	
		\$1,670 77
	DEBIT.	
(Expenditures.)		
Cash, paid sundry persons, redemption of tax liens . . . . .		\$1,670 77

**Reduction of Funded Debt.**

	CREDIT.	
Appropriations, from Taxes, 1910 . . . . .	\$150,000 00	
Water Works Income, amount appropriated, Water Bonds . . . . .	6,000 00	
Water Works Income, balance transferred . . . . .	11,612 26	
		\$167,612 26
Excess and Deficiency account, balance transferred . . . . .	4,612 26	
		\$163,000 00
Amount carried forward . . . . .		\$163,000 00



APPENDIX TO TREASURER AND COLLECTOR'S REPORT. 109

Amount brought forward . . . . .	\$163,000 00
Balance to credit of account, 1911 . . . . .	327 20
	<hr/>
	\$162,672 80

Receipts:—

Cash, received of N. W. Harris & Son, premium on bonds . . . . .	507 20
	<hr/>
	\$163,180 00

DEBIT.

(Expenditures.)

Cash, paid bonds maturing in 1910 . . . . .	\$163,000 00
Old Colony Trust Co., preparation and certification of bonds . . . . .	180 00
	<hr/>
	\$163,180 00

**School Contingent.**

CREDIT.

Appropriations, from Taxes, 1910 . . . . .	\$27,000 00
Excess and Deficiency account, balance transferred . . . . .	4,454 32
	<hr/>
	\$31,454 32

Receipts:—

Commonwealth of Massachusetts, tuition of state wards . . . . .	281 00
Cash, received of Charles S. Clark, superintendent of schools, other tuition . . . . .	\$234 74
Miscellaneous . . . . .	343 85
	<hr/>
	578 59
	<hr/>
	\$32,313 91

DEBIT.

(Expenditures.)

Cash, paid Charles S. Clark, salary as superintendent of schools . . . . .	\$3,000 00
disbursements . . . . .	340 31
Justin W. Lovett, assistant superintendent . . . . .	1,333 33
disbursements . . . . .	10 22
Mary A. Clark, assistant . . . . .	750 00
Mildred A. Merrill, assistant . . . . .	600 00
Benjamin R. Jones, truant officer . . . . .	288 46
disbursements . . . . .	2 30
Jairus Mann, truant officer . . . . .	49 98
American Book Co., books . . . . .	1,783 84
Atkinson, Mentzer & Grover, books . . . . .	14 71
Adams, Cushing & Foster, supplies . . . . .	1,528 10
John A. Avery, disbursements . . . . .	30 71
Allyn & Bacon, books . . . . .	83 45
Allen, Doane & Co., supplies . . . . .	15 00
D. Appleton & Co., books . . . . .	24 48
Edward E. Babb & Co., supplies . . . . .	5,861 50
Caroline G. Baker, supplies . . . . .	2 00
Elizabeth J. Baker, supplies . . . . .	2 00
Milton Bradley Co., supplies . . . . .	159 01
City of Boston, tuition . . . . .	609 82
C. C. Birchard & Co., books . . . . .	224 36
	<hr/>
Amount carried forward . . . . .	\$16,713 58

Amount brought forward . . . . .	\$16,713 58
Baker School Specialty Co., supplies . . . . .	25 63
Bumpus & Cook, supplies . . . . .	41 61
Bay State Paper Co., supplies . . . . .	19 00
Charles E. Berry, repairing . . . . .	1 55
Barbour-Stockwell Co., supplies . . . . .	2 10
Brown-Durrell Co., supplies . . . . .	25 90
Boston Bank Note Co., printing . . . . .	190 40
F. J. Barnard, rebinding . . . . .	1,074 11
Baker & Adamson Chemical Co., sup- plies . . . . .	136 12
Bausch & Lomb Optical Co., supplies . . . . .	4 83
C. S. Biner, Corp., printing . . . . .	7 50
Jason P. Briggs, taking census . . . . .	19 02
Chandler & Barber, supplies . . . . .	83 52
The Carter's Ink Co., supplies . . . . .	10 08
N. H. Crowell, supplies . . . . .	40 62
Charities Publication Committee, books, E. T. Curtis Co., supplies . . . . .	1 25
James H. Chase, services . . . . .	104 22
James H. Chase, services . . . . .	15 00
Chandler Shorthand Publishing Co., books . . . . .	240 10
Cambridge Botanical Supply Co., sup- plies . . . . .	11 55
L. E. Clayton, supplies . . . . .	3 50
Chickering & Sons, carting piano . . . . .	9 00
Cassell & Co., books . . . . .	2 44
W. B. Clarke Co., books . . . . .	2 09
Derby Desk Co., repairing . . . . .	1 75
E. S. Daniels, repairing . . . . .	12 00
Dennison Mfg. Co., supplies . . . . .	31
E. M. Drury, supplies . . . . .	6 85
Educational Publishing Co., books . . . . .	152 64
George H. Ellis Co., books . . . . .	1 25
John S. Emerson, disbursements . . . . .	20 94
Emerson College Publishing Co., books, Exeter Book Publishing Co., books . . . . .	35 70
Eimer & Amend, supplies . . . . .	3 00
Eimer & Amend, supplies . . . . .	115 04
J. H. Folkins Co., ink . . . . .	24 20
Benjamin F. Freeman, supplies . . . . .	3 50
First Methodist Church, use of edifice . . . . .	75 00
A. Flanagan Co., books . . . . .	15 55
F. C. Fuller & Co., services . . . . .	2 00
W. C. Fickett, census . . . . .	29 12
Gilman Square Fish Market, supplies . . . . .	1 40
Glines & Co., expressing . . . . .	121 03
Ginn & Co., books . . . . .	3,037 03
W. A. Greenough & Co., books . . . . .	8 00
Gilman Express Co., expressing . . . . .	15
Annie M. Gilcrease, census . . . . .	60 08
Houghton Mifflin Co., books . . . . .	149 32
J. L. Hammett Co., supplies . . . . .	190 14
J. W. Howard, supplies . . . . .	4 40
Harvard University, books . . . . .	3 40
D. C. Heath & Co., books . . . . .	361 09
Holden Patent Book Cover Co., sup- plies . . . . .	47 09
H. F. Hathaway, disbursements . . . . .	2 45
Amount carried forward . . . . .	<hr/> \$23,274 15

Amount brought forward . . . . .	\$23,274 15
S. Henry Hadley, music . . . . .	53 10
Ralph Harris & Co., supplies . . . . .	3 74
J. B. Hunter Co., tools . . . . .	935 36
Charles P. Horton, services . . . . .	2 00
Charles W. Hurn, disbursements . . . . .	2 60
International Time Recording Co., time clock . . . . .	213 32
Jordan Marsh Co., supplies . . . . .	4 64
S. A. Johnson, disbursements . . . . .	7 77
Jaynes Drug Co., supplies . . . . .	14 51
L. E. Knott Apparatus Co., supplies . . . . .	165 58
R. E. Kibbe, engrossing . . . . .	81 68
J. A. Lyons & Co., books . . . . .	76
Andrew J. Lloyd Co., supplies . . . . .	3 11
Little, Brown & Co., books . . . . .	50 75
Lothrop, Lee & Shepard Co., books . . . . .	6 40
Library Bureau, supplies . . . . .	4 00
E. L. Lovering, tuning piano . . . . .	4 00
Mitchell Mfg. Co., supplies . . . . .	12 95
McKinley Publishing Co., maps . . . . .	15 22
Wesley A. Maynard, printing . . . . .	163 68
D. J. Moynahan, carriage hire . . . . .	10 00
Charles E. Merrill Co., books . . . . .	34 72
F. W. Martin Co., engrossing . . . . .	18 05
Middlesex County Truant School, board of truants . . . . .	618 28
Marine Biological Laboratory, supplies, D. C. McIntosh, books . . . . .	18 65
D. C. McIntosh, books . . . . .	42 50
E. M. Morse, disbursements . . . . .	5 15
City of Medford, tuition . . . . .	15 00
New England Telephone & Telegraph Co., service . . . . .	204 57
Neostyle Co., supplies . . . . .	108 45
W. O. Nichols, moving piano . . . . .	1 00
New England Dressed Meat & Wool Co., supplies . . . . .	2 00
Thomas Nelson & Co., books . . . . .	9 30
Newton & Co., supplies . . . . .	11 53
Perkins Wood Working Co., supplies . . . . .	1,343 69
Howard W. Poor, disbursements . . . . .	7 35
W. E. Plumer & Co., hardware . . . . .	526 02
Philadelphia Distributing Co., supplies . . . . .	90
Rand, McNally & Co., map . . . . .	20 45
Remington Typewriter Co., repairing . . . . .	16 15
Robey-French Co., supplies . . . . .	32 46
Silver, Burdett & Co., books . . . . .	946 07
Suffolk Ink Co., ink . . . . .	53 20
Somerville Journal Co., printing . . . . .	1,104 01
Benjamin H. Sanborn & Co., books . . . . .	172 90
Sibley & Co., books . . . . .	26 37
Smith-Premier Typewriter Co., rental and repairing . . . . .	104 50
William D. Sprague, disbursements . . . . .	11 50
Sprague-Hathaway Co., framing . . . . .	2 00
Stuart-Howland Co., supplies . . . . .	111 02
Oscar W. Short, services . . . . .	12 00
Amount carried forward . . . . .	<u>\$30,609 11</u>

Amount brought forward . . . . .	\$30,609 11
Schoenhof Book Co., books . . . . .	132 05
Charles Scribner's Sons, books . . . . .	12 91
Standard Plate Glass Co., supplies . . . . .	6 50
School Board Journal, subscription . . . . .	1 00
St. Louis Biological Laboratory, supplies . . . . .	10 75
Frederick O. Smith, disbursements . . . . .	15 00
Walter H. Snow, lunch . . . . .	6 25
Thorp & Martin Co., supplies . . . . .	7 35
Augustus B. Tripp, disbursements . . . . .	4 80
Mary C. Thurston, disbursements . . . . .	2 50
Thorpe's Express, expressing . . . . .	50
Teachers' College, Columbia University, books . . . . .	1 50
G. A. Thornquist, tuning piano . . . . .	1 50
Richard H. Tincker, census . . . . .	42 76
Underwood Typewriter Co., typewriters, . . . . .	219 50
Underhill Hardware Co., hardware . . . . .	1 80
M. L. Vinal, supplies . . . . .	32 28
Wadsworth, Howland & Co., supplies . . . . .	766 70
H. C. White Co. of New York, supplies, . . . . .	80
Whitney & Snow, supplies . . . . .	212 53
Williams & Neiley, printing . . . . .	9 38
Samuel Ward Co., supplies . . . . .	12 39
A. J. Wilkinson & Co., supplies . . . . .	14 20
The Writer Publishing Co., books . . . . .	1 00
F. S. Webster Co., supplies . . . . .	2 80
Winter Hill Press, printing . . . . .	26 90
David Williams Co., books . . . . .	3 40
Elisabeth S. Webster, census . . . . .	52 26
Whitcomb & Barrows, books . . . . .	50
John Wiley & Sons, books . . . . .	8 00
William H. Winship, supplies . . . . .	6 50
Yawman & Erbe Mfg. Co., supplies . . . . .	61 65
Yamanaka & Co., supplies . . . . .	7 50

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 \$32,294 62

Public Library account, books lost . . . . . 19 29

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 \$32,313 91

### School Teachers' Salaries.

#### CREDIT.

Appropriations, from Taxes, 1910 . . . . .	\$300,000 00
Excess and Deficiency account, balance transferred . . . . .	7,614 65

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 \$292,385 35

#### DEBIT.

#### (Expenditures.)

Cash, paid salaries as per pay rolls . . . . .	\$292,398 47
(Cash) . . . . .	13 12

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 \$292,385 35

### Sealer of Weights and Measures.

#### CREDIT.

Appropriations, from Taxes, 1910 . . . . .	\$1,900 00
Excess and Deficiency account, balance transferred . . . . .	90 83

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 Amount carried forward . . . . . \$1,809 17

Amount brought forward . . . . .	\$1,809 17
Receipts:—	
Cash, received of John H. Dusseault, fees for weighing . . . . .	509 22
	<hr/>
	\$2,318 39

DEBIT.

(Expenditures.)

Cash, paid John H. Dusseault, salary as sealer of weights and measures . . . . .	\$1,100 00
disbursements . . . . .	273 19
Benjamin S. Abbott, deputy sealer of weights and measures . . . . .	800 00
W. A. Greenough & Co., directory . . . . .	4 00
W. & L. E. Gurley, steel tape . . . . .	32 80
William H. Gleason, printing cards, etc., . . . . .	29 75
A. C. Libby & Sons, books . . . . .	26 50
Wesley A. Maynard, advertising . . . . .	4 00
New England Telephone & Telegraph Co., service . . . . .	25 80
Somerville Journal Co., advertising . . . . .	7 00
R. Woodman Mfg. & Supply Co., seals and wires . . . . .	15 35
	<hr/>
	\$2,318 39

**Sewer Assessments.**

CREDIT.

Receipts:—	
Cash, received of sundry persons . . . . .	\$9,675 64
Balance to debit of account, 1911 . . . . .	2,374 03
	<hr/>
	\$12,049 67

DEBIT.

Balance from 1909 . . . . .	\$9,752 78
Sewers Construction account, assessments levied . . . . .	\$2,331 11
Less abatements . . . . .	34 22
	<hr/>
	2,296 89
	<hr/>
	\$12,049 67

**Sewers Construction.**

CREDIT.

Balance from 1909 . . . . .	\$13,766 01
Appropriations, from Funded Debt, 1910 . . . . .	30,000 00
Fire Department, Additional Apparatus account, amount transferred . . . . .	101 18
	<hr/>
	\$43,867 19
Sewer Assessments account, assessments levied . . . . .	\$2,331 11
Less abatements . . . . .	34 22
	<hr/>
	2,296 89
	<hr/>
Amount carried forward . . . . .	\$46,164 08

Amount brought forward . . . . .		\$46,164 08
Reduced by the following transfers:—		
Electrical Department, Underground Construction account . . . . .	\$3,000 00	
Electrical Department, Underground Construction account . . . . .	400 00	
Highways, Paved Gutters and Crossings account . . . . .	1,736 12	
Public Buildings Construction:—		
Building Public Buildings account . . . . .	4,000 00	
Building Public Buildings account . . . . .	4,000 00	
Benjamin G. Brown School, Land Addition account . . . . .	492 00	
Park Buildings, Broadway and Lincoln Parks account . . . . .	4,500 00	
Sanford Hanscom School, Land Addition account . . . . .	500 00	
Public Grounds Construction account . . . . .	1,200 00	
Sidewalks Construction account . . . . .	2,000 00	
		<u>21,828 12</u>
		\$24,335 96
Balance to credit of account, 1911 . . . . .		<u>5,281 94</u>
		\$19,054 02
Stock and labor billed other departments:—		
Highways Construction account, labor and materials . . . . .	\$283 22	
Sidewalks Construction account, edge-stones . . . . .	20 12	
		<u>303 34</u>
Receipts:—		
Cash, received of Boston & Maine Railroad Co., labor . . . . .		111 96
		<u>\$19,469 32</u>

## DEBIT.

## (Expenditures.)

Cash, paid laborers . . . . .	\$3,047 46
Bartholomew Burke, constructing sewers:—	
Mason street . . . . .	366 14
Proposed street, Curtis avenue and Chetwynd road . . . . .	288 59
Hardan road . . . . .	95 24
T. F. Crimmings & Son, constructing sewers:—	
Electric avenue . . . . .	898 96
Whitman street . . . . .	324 64
James H. Fannon, constructing sewers:—	
Cedar street . . . . .	57 90
Elm street . . . . .	233 35
William J. McCarthy Co., constructing sewer in Belknap street . . . . .	42 46
Charles A. Kelley, constructing sewer in Somerville avenue . . . . .	6,930 88
F. C. Ayer, lumber . . . . .	12 60
Charles E. Berry, iron work . . . . .	5 86
Edwin O. Child, Register, recording . . . . .	2 95
Amount carried forward . . . . .	<u>\$12,307 53</u>

Amount brought forward . . . . .	\$12,307 53
Thomas Groom & Co., books . . . . .	11 50
George W. Ladd, sharpening tools . . . . .	5 60
W. B. Mullen, sand . . . . .	27 74
New England Brick Co., bricks . . . . .	529 47
Nellie O'Keefe, settlement of suit . . . . .	2,000 00
George Russell and William R. Carr, Trustees, abatement . . . . .	19 20
Somerville Iron Foundry, castings . . . . .	20 28
E. D. Sawyer Lumber Co.; lumber . . . . .	1 25
Somerville Charcoal Co., charcoal . . . . .	80
James Tevlin, teaming . . . . .	903 03
Waldo Brothers, pipe . . . . .	2,258 67
Windsor Cement Co., cement . . . . .	251 60
Frederick B. Witherly, castings . . . . .	458 14
I. B. Walker, steps . . . . .	1 70

\$18,796 51

Highways Maintenance account, labor, teams, etc. . . . .	665 54
Sewers Maintenance account, castings . . . . .	7 27

\$19,469 32

**Sewers Maintenance.**

CREDIT.

Water Works Income account, amount appropriated . . . . .	\$12,000 00
Excess and Deficiency account, balance transferred . . . . .	21 26

\$11,978 74

Stock and labor billed other departments:—

City Engineer account, labor setting stone bounds . . . . .	\$58 50
Highways Maintenance account, building catch basins . . . . .	310 29
Playgrounds account, labor . . . . .	6 00
Public Grounds account, sand . . . . .	22 50
Sewers Construction account, castings . . . . .	7 27
Water Maintenance account, stock and labor . . . . .	21 23

425 79

Receipts:—

Cash, received of Somerville Iron Foundry, iron . . . . .	\$29 22
Walsh Brothers, old stone . . . . .	15 00
Windsor Cement Co., old bags . . . . .	37 44
Boston Elevated Railway Co., changing grade . . . . .	7 51
George A. Stephens, hose . . . . .	12 25
Eastern Metal & Refining Co., brass . . . . .	10 08
Waldo Brothers, bags . . . . .	22 62

134 12

\$12,538 65

DEBIT.

(Expenditures.)

Cash, paid laborers . . . . .	\$7,336 00
Cornelius Callahan Co., repairing hose . . . . .	13 75
Amount carried forward . . . . .	<u>\$7,349 75</u>

Amount brought forward . . . . .	\$7,349 75
E. W. Danforth, disbursements . . . . .	93 45
Edson Mfg. Co., nuts and bolts . . . . .	1 13
John Fisher & Co., pails . . . . .	6 90
Fellows & Co., steps . . . . .	1 80
Thomas Groom & Co., books . . . . .	12 00
Gulf Refining Co., kerosene . . . . .	5 50
William S. Howe, repairing plunges . . . . .	12 59
Ideal Supply Co., soil pipe . . . . .	1 44
J. A. Kiley, repairing . . . . .	1 95
P. J. Kinneen, labor . . . . .	14 60
George W. Manning, work on flag staffs, . . . . .	3 00
D. Mahoney, repairing boots . . . . .	13 95
Martin & Wood, sharpening . . . . .	4 40
New England Oil Co., oil . . . . .	11 00
New England Telephone & Telegraph Co., service . . . . .	31 56
New England Brick Co., bricks . . . . .	65 52
W. E. Plumer & Co., rope . . . . .	49
Perrin, Seaman & Co., couplings . . . . .	7 98
Somerville Iron Foundry, castings . . . . .	24 42
Standard Charcoal Co., charcoal . . . . .	90
James Tevlin, teaming . . . . .	4,689 93
John Tierney, bill for injuries . . . . .	17 00
Underhill Hardware Co., supplies . . . . .	2 00
Charles L. Underhill, sharpening . . . . .	1 40
Whitney & Snow, hardware . . . . .	58 50
Frederick B. Witherly, castings . . . . .	33 88
I. B. Walker, sharpening . . . . .	19 03
Waldo Brothers, pipe . . . . .	3 82
Henry A. Wheeler & Co., ensign . . . . .	4 28

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\$12,494 17

Fire Department, hose . . . . .	7 50
Highways Maintenance account, labor . . . . .	36 98

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\$12,538 65

### Sidewalk Assessments.

#### CREDIT.

Receipts:—

Cash, received of sundry persons . . . . .	\$12,750 79
Balance to debit of account, 1911 . . . . .	5,278 18
	<hr/>
	\$18,028 97

#### DEBIT.

Balance from 1909 . . . . .	\$6,565 29
Sidewalks Construction account, assessments levied . . . \$11,659 58	
Less abatements . . . . . 195 90	
	<hr/>
	11,463 68
	<hr/>
	\$18,028 97

### Sidewalks Construction.

#### CREDIT.

Balance from 1909 . . . . .	\$66 69
Appropriations, from Funded Debt, 1910 . . . . .	12,000 00
	<hr/>
Amount carried forward . . . . .	\$12,066 69



Amount brought forward . . . . .		\$12,066 69
Sewers Construction account, amount transferred . . . . .		2,000 00
Sidewalk Assessments account, assessments levied . . . . .	\$11,659 58	
Less abatements . . . . .	195 90	
		<u>11,463 68</u>
		\$25,530 37
Balance to credit of account, 1911 . . . . .		<u>2,195 08</u>
		\$23,335 29
Stock and labor billed other departments:—		
Highways Maintenance account, lumber . . . . .		13 00
Receipts:—		
Cash, received of George F. Hadley, labor . . . . .		2 00
		<u>2 00</u>
		\$23,350 29

DEBIT.

(Expenditures.)

Cash, paid laborers . . . . .	\$10,084 32	
F. C. Ayer, lumber . . . . .	58 35	
Thomas Groom & Co., books . . . . .	16 25	
S. & R. J. Lombard, edgestones . . . . .	8,043 87	
New England Brick Co., bricks . . . . .	2,005 62	
		<u>\$20,208 41</u>
Highways Maintenance account, use of city teams and materials . . . . .	3,018 84	
Highways, Paved Gutters and Crossings account, paving blocks . . . . .	1 92	
Public Grounds account, sods . . . . .	101 00	
Sewers Construction account, edgestones . . . . .	20 12	
		<u>\$23,350 29</u>

**Sidewalks Maintenance.**

CREDIT.

Highways Maintenance account, amount transferred . . . . .		\$1,900 80
Stock and labor billed other departments:—		
Highways Construction account, bricks . . . . .	\$22 95	
Highways Maintenance account, bricks and sand . . . . .	135 93	
		<u>158 83</u>
		\$2,059 68

DEBIT.

(Expenditures.)

Cash, paid laborers . . . . .	\$1,248 03	
James H. Fannon, repairing sidewalk . . . . .	9 00	
S. & R. J. Lombard, edgestones . . . . .	1 39	
New England Brick Co., bricks . . . . .	336 60	
J. Silk Co., sand . . . . .	126 00	
		<u>\$1,721 02</u>
Highways Maintenance account, use of city teams . . . . .	333 66	
Public Grounds account, sods . . . . .	5 00	
		<u>\$2,059 68</u>

**Soldiers' Burials.**

DEBIT.	
(Expenditures.)	
Cash, paid J. H. Dusseault, services as burial agent	\$32 00
Richard J. Burke, burial	35 00
John Bryant's Sons, burials	70 00
W. R. Chandler, burial	35 00
W. A. Frink, burials	70 00
W. A. Flaherty & Son, burials	105 00
John E. Kauler, burial	35 00
Murphy & Turnbull, burial	35 00
G. F. McKenna & Son, burial	35 00
Francis W. Wilson, burials	140 00
	\$592 00
Commonwealth of Massachusetts, amount charged De- cember 31, 1910	592 00
	\$592 00

**Soldiers' Relief.**

CREDIT.	
Appropriations, from Taxes, 1910	\$23,000 00
Excess and Deficiency account, balance transferred	1,148 57
	\$24,148 57

DEBIT.	
(Expenditures.)	
Cash, paid sundry persons as per pay rolls	\$24,201 64
(Cash)	78 00
	\$24,123 64
City of Boston, Overseers of Poor, care of patient	18 57
A. F. Carpenter, coal and groceries	6 36
	\$24,148 57
	\$24,148 57

**Somerville Hospital.**

CREDIT.	
Appropriations, from Taxes, 1910	\$5,000 00
DEBIT.	
(Expenditures.)	
Cash, paid for support of sick poor	\$5,000 00
	\$5,000 00

**State Aid.**

CREDIT.	
Commonwealth of Massachusetts, state aid paid in 1910	\$16,689 00
DEBIT.	
(Expenditures.)	
Cash, paid monthly pay rolls	\$16,705 00
(Cash)	16 00
	\$16,689 00
	\$16,689 00

**Street Lights.**

CREDIT.	
Appropriations, from Taxes, 1910	\$50,000 00
Excess and Deficiency account, balance transferred	3,484 88
	\$53,484 88
	\$53,484 88

DEBIT.

(Expenditures.)

Cash, paid Edison Electric Illuminating Co., lighting . . . \$53,484 88

**Sundry Persons.**

CREDIT.

Balance from 1909 . . . . . \$699 65

DEBIT.

Balance to credit of account, 1911 . . . . . \$699 65

**Support of Poor, City Home Account.**

CREDIT.

Appropriations, from Taxes, 1910 . . . . . \$3,000 00

Excess and Deficiency account, balance transferred . . . . . 543 76

\$2,456 24

Stock and labor billed other departments:—  
Health Department, Contagious Disease Hospital account, produce . . . . . 345 18

Receipts:—

Cash, received of J. Foster Colquhoun, produce . . . . . \$3,956 47  
City of Everett, board . . . . . 61 50  
Town of Arlington, board . . . . . 816 00  
Milford Town Farm, pigs . . . . . 11 00  
Ellen Eagan, board . . . . . 49 50

4,894 47

\$7,695 89

DEBIT.

(Expenditures.)

Cash, paid J. Foster Colquhoun, salary as warden . . . . . \$700 00  
disbursements . . . . . 161 60  
Mrs. Catherine Colquhoun, matron . . . . . 400 00  
Sundry persons, farm help . . . . . 1,083 39  
Sundry persons, house help . . . . . 606 64  
D. J. Bennett, blankets, etc. . . . . 16 25  
Boston Plate & Window Glass Co., glass . . . . . 5 32  
Joseph Breck & Sons Corp., farm supplies . . . . . 66 27  
H. A. Brownell, repairing harness . . . . . 2 45  
Andrew Blyth, groceries . . . . . 13 72  
Bowers & DeWick, clothing . . . . . 8 35  
Brown-Durrell Co., clothing . . . . . 53 49  
W. B. Chase, groceries . . . . . 8 32  
Cambridge Ice Co., ice . . . . . 31 40  
Chase & Sanborn, groceries . . . . . 58 65  
George W. Clatur Co., fish . . . . . 22 10  
W. F. Cobb & Co., seeds . . . . . 2 25  
Chapin Brothers, potatoes . . . . . 34 65  
Henry N. Clark Co., grates . . . . . 7 40  
Clark Brothers Co., potatoes . . . . . 6 50  
J. H. Derby, clock . . . . . 2 00

Amount carried forward . . . . . \$3,290 75

Amount brought forward . . . . .	\$3,290 75
Myrton F. Evans, groceries . . . . .	1 90
Fottler, Fiske, Rawson & Co., seeds . . . . .	4 40
J. B. Fellows & Co., repairing . . . . .	7 00
James Forgie's Sons, team collar . . . . .	6 00
Farley, Harvey & Co., slips . . . . .	8 02
L. C. Fisher & Co., oranges . . . . .	2 50
H. E. Fiske Seed Co., straw mats, etc. . . . .	82 48
George G. Fox Co., bread . . . . .	257 88
Gilman Express Co., expressing . . . . .	3 25
Glines & Co., expressing . . . . .	30
D. J. Green Co., brooms, etc. . . . .	18 35
C. D. Gallagher, produce . . . . .	5 50
H. E. Gustin, onions, etc. . . . .	4 10
Percy A. Hall, medicine . . . . .	50 75
A. H. Hews & Co., flower pots . . . . .	10 39
Highland Coal Co., lime and cement . . . . .	15 90
F. J. Hopkins, groceries . . . . .	107 61
C. P. Holmes, tomato boxes . . . . .	100 32
Mrs. Emma S. Hall, fee . . . . .	75
I. N. Holman, sharpening . . . . .	2 75
Hinds & Coon, hose . . . . .	30 00
C. P. Holmes, market boxes . . . . .	101 60
Jordan Marsh Co., kitchen ware . . . . .	60 21
Frederick Jones, hoes . . . . .	3 60
Amos Keys & Co., groceries . . . . .	97 38
King Construction Co., brackets . . . . .	3 80
George W. Ladd, horseshoeing . . . . .	39 00
T. E. Littlefield, lumber . . . . .	8 00
Lord & Webster, hay . . . . .	108 13
A. C. Libby & Sons, stationery . . . . .	2 25
McGreenery & Manning, tobacco . . . . .	47 43
Massachusetts State Prison, clothing and boots . . . . .	65 10
New England Telephone & Telegraph Co., service . . . . .	46 98
Nay & Taylor, food . . . . .	1 90
New England Mfg Co., groceries . . . . .	126 40
J. S. Newcomb & Co., groceries . . . . .	796 49
National Biscuit Co., groceries . . . . .	44 28
Fulton O'Brion, hay and grain . . . . .	347 15
Park & Pollard Co., poultry supplies . . . . .	15 25
W. E. Plumer & Co., hardware . . . . .	31 25
Proctor Brothers Grain Co., hay and grain . . . . .	81 12
Reuben Ring & Co., medicine . . . . .	18 60
Nathan Robbins Co., groceries . . . . .	13 61
J. W. Roberts & Co., groceries . . . . .	414 57
W. W. Rawson & Co., seeds . . . . .	3 50
John B. Rufer, clipping horse . . . . .	2 00
Simpson Brothers Co., groceries . . . . .	80 49
Parke Snow, dry goods . . . . .	64 55
Somerville Journal Co., printing . . . . .	9 00
John P. Squire & Co., shavings . . . . .	25 00
C. L. Stevens, groceries . . . . .	154 60
W. C. Stickle, papers . . . . .	7 04
E. D. Sawyer Lumber Co., lumber . . . . .	56 33
Schlegel & Fottler Co., seeds . . . . .	33 00
Amount carried forward . . . . .	\$3,920 51

Amount brought forward . . . . .	\$6,920 51
E. S. Sparrow & Co., hardware . . . . .	9 57
Standard Chemical Co., soap . . . . .	25 20
Stumpp & Walter Co., seeds . . . . .	29 05
John J. Scannell, pig . . . . .	15 00
Somerville Brush Co., brushes . . . . .	7 59
George H. Thayer, boots and shoes . . . . .	63 95
Nathan Tufts & Son, grain . . . . .	108 55
William J. Thompson & Co., hay . . . . .	38 61
A. S. Tyler, milk . . . . .	42 88
Underhill Hardware Co., hardware . . . . .	8 75
William J. Wiley, hardware . . . . .	43 78
Wilson, Larrabee & Co., dry goods . . . . .	6 41
I. B. Walker, horseshoeing . . . . .	4 25
Waldo Brothers, cement . . . . .	16 39
F. A. Weldon, groceries . . . . .	6 98
Henry Wright & Son, milk can . . . . .	75
Whittier Wooden Ware Co., kitchen ware . . . . .	7 30
West Disinfecting Co., disinfecting . . . . .	3 00
Young & Small, medicine . . . . .	1 32
E. Zacharius, hair cutting . . . . .	2 50

\$7,362 34

Health Department, Collection of Ashes and Offal account, offal . . . . .	333 55
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\$7,695 89

**Support of Poor, Miscellaneous.**

CREDIT.

Appropriations, from Taxes, 1910 . . . . .	\$12,500 00
Excess and Deficiency account, balance transferred . . . . .	271 04

\$12,228 96

Receipts:—

Commonwealth of Massachusetts, support of state paupers . . . . .	1,110 65
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Cash, received for support of paupers:—

City of Boston . . . . .	\$802 76
City of Cambridge . . . . .	342 27
City of Chelsea . . . . .	52 86
City of Everett . . . . .	90 57
City of Fall River . . . . .	4 60
City of Lawrence . . . . .	80 00
City of Malden . . . . .	42 00
City of Medford . . . . .	201 50
City of New Bedford . . . . .	29 60
City of Newburyport . . . . .	44 29
City of Newton . . . . .	132 60
City of Springfield . . . . .	62 35
City of Taunton . . . . .	8 00
City of Taunton . . . . .	28 00
City of Waltham . . . . .	78 57
City of Woburn . . . . .	50 68
City of Worcester . . . . .	105 71
Town of Arlington . . . . .	37 17
Town of Boylston . . . . .	10 00
Town of Burlington . . . . .	124 33

\$2,327 86

\$13,339 61

Amounts brought forward . . . . .	\$2,327 86	\$13,339 61
Town of Foxborough . . . . .	18 93	
Town of Framingham . . . . .	10 00	
Town of Hanover . . . . .	31 00	
Town of Halifax . . . . .	48 57	
Town of Hingham . . . . .	105 71	
Town of Leominster . . . . .	52 17	
Town of Lexington . . . . .	11 43	
Town of Revere . . . . .	40 00	
Town of Wakefield . . . . .	7 14	
Town of Watertown . . . . .	10 00	
Town of Weston . . . . .	8 00	
Charles E. Hill . . . . .	100 00	
	<hr/>	\$2,770 81
		<hr/>
		\$16,110 42

## DEBIT.

(Expenditures.)

Cash, paid Charles C. Folsom, salary as agent . . . . .	\$1,600 00
disbursements . . . . .	162 36
C. Clark Towle, M. D., city physician . . . . .	1,500 00
Cora F. Lewis, secretary . . . . .	700 00
Mabel Kenneson, clerical services . . . . .	120 67
H. G. Applin, groceries . . . . .	52 00
Town of Attleborough, aid to poor . . . . .	8 00
Mrs. C. E. Barrows, groceries . . . . .	55 00
James Bartley, groceries . . . . .	345 50
City of Boston, aid to poor . . . . .	1,893 77
Charles S. Butters, groceries . . . . .	66 00
Town of Belchertown, aid to poor . . . . .	12 50
Town of Braintree, aid to poor . . . . .	65 00
J. H. Brooks, dry goods . . . . .	4 00
Mrs. E. M. Bangs, board . . . . .	26 29
Cambridge Relief Hospital, sick poor . . . . .	15 72
Edward Coliten & Son, groceries . . . . .	188 00
Commonwealth of Massachusetts, aid to poor . . . . .	328 38
City of Cambridge, aid to poor . . . . .	365 28
Jackson Caldwell & Co., moving family . . . . .	4 00
Children's Hospital, board and treatment . . . . .	26 85
F. E. Cheney Co., groceries . . . . .	77 00
Convalescent Home, board and treatment . . . . .	16 00
Carter's Ink Co., ink . . . . .	1 25
A. F. Carpenter, groceries . . . . .	4 00
Charles W. Dailey, ambulance . . . . .	12 00
James Davis, groceries . . . . .	319 00
Mary Drury, board . . . . .	120 00
Harry A. Dunham, groceries . . . . .	62 00
Edward Edwards, medicine . . . . .	100 70
J. L. Fairbanks & Co., pauper register . . . . .	5 50
W. A. Flaherty & Son, burials . . . . .	35 00
Fresh Pond Ice Co., ice . . . . .	2 55
W. S. Greenough & Co., stationery . . . . .	9 00
F. W. Gilbert, boots and shoes . . . . .	21 75
	<hr/>
Amount carried forward . . . . .	\$3,325 07

Amount brought forward . . . . .	\$8,325 07
Charles F. Giles, groceries . . . . .	486 00
Benjamin W. Goldsmith, board . . . . .	104 30
Thomas Groom & Co., stationery . . . . .	48 50
Grace & Hatfield, groceries . . . . .	4 00
W. A. Greenough & Co., directory . . . . .	4 00
James A. Goodrich, board . . . . .	29 78
Glines & Co., expressing . . . . .	15 . . . . .
Edward Hunnewell, board . . . . .	47 74
G. F. Harvey Co., medicine . . . . .	18 66
City of Haverhill, aid to poor . . . . .	31 50
F. A. E. Jewell, groceries . . . . .	258 25
C. R. King, groceries . . . . .	69 00
Mrs. H. L. Kyes, groceries . . . . .	44 00
City of Lawrence, aid to poor . . . . .	3 00
M. D. Lewis, groceries . . . . .	143 00
M. D. Lovering, groceries . . . . .	181 00
City of Lynn, aid to poor . . . . .	94 02
Howard Lowell & Son, carriage hire . . . . .	10 00
J. D. McLennan, groceries . . . . .	470 00
James H. Maguire Co., groceries . . . . .	213 50
City of Melrose, aid to poor . . . . .	27 00
Mary Murray, board . . . . .	78 20
City of Medford, aid to poor . . . . .	148 85
Massachusetts General Hospital, S. S. Department, brace . . . . .	12 00
Massachusetts Hospital School, aid to poor . . . . .	387 43
E. S. Merriam, medicine . . . . .	1 63
Monroe Pharmacal Co., medicine . . . . .	58 45
A. J. MacDonald, groceries . . . . .	30 00
City of Malden, aid to poor . . . . .	63 00
Alfred E. Mann, burials . . . . .	87 00
Massachusetts General Hospital, aid to poor . . . . .	42 80
G. F. McKenna & Son, burials . . . . .	40 00
New England Telephone & Telegraph Co., service . . . . .	121 61
City of Newton, aid to poor . . . . .	34 95
North Packing & Provision Co., gro- ceries . . . . .	88 00
Edith M. Nutt, board . . . . .	104 30
City of Northampton, aid to poor . . . . .	3 50
Jennie L. Nichols, board . . . . .	13 01
Town of Pepperell, aid to poor . . . . .	141 49
Frederick H. Perry, printing . . . . .	11 85
S. F. Phipps, medicine . . . . .	3 95
A. P. Rockwood, carriage hire . . . . .	2 00
P. H. Rafferty, burials . . . . .	105 00
Andrew F. Ryan, groceries . . . . .	180 00
Town of Revere, aid to poor . . . . .	103 43
Mrs. Charles H. Sands, groceries . . . . .	363 50
Hattie G. Sellon, board . . . . .	52 17
R. M. Sturtevant, groceries . . . . .	384 50
Somerville Journal Co., printing . . . . .	17 25
Somerville Visiting Nursing Associa- tion, nursing . . . . .	100 00
Somerville Hospital, sick poor . . . . .	1,982 72
Amount carried forward . . . . .	\$15,375 06

Amount brought forward . . . . .	\$15,375 06	
Edward F. Stone, burial . . . . .	10 00	
City of Salem, aid to poor . . . . .	31 50	
Smith-Premier Typewriter Co., ribbon . . . . .	75	
City of Taunton, aid to poor . . . . .	8 14	
Wellington-Wild Coal Co., fuel . . . . .	469 80	
Emiline K. Willis, board . . . . .	52 17	
George W. Wood, groceries . . . . .	104 00	
Washingtonian Home, hospital treatment . . . . .	20 00	
D. E. Watson, groceries . . . . .	8 00	
Town of West Springfield, aid to poor . . . . .	16 00	
Francis M. Wilson, burial . . . . .	15 00	
		<u>\$16,110 42</u>

**Taxes.**

## CREDIT.

## Receipts:—

Cash, received for taxes of 1905 . . . . .	\$11 15	
“ “ “ “ 1906 . . . . .	44 54	
“ “ “ “ 1907 . . . . .	250 10	
“ “ “ “ 1908 . . . . .	2,105 99	
“ “ “ “ 1909 . . . . .	259,483 54	
“ “ “ “ 1910 . . . . .	1,030,415 99	
		<u>\$1,292,311 31</u>

## Overlay and Abatement:—

Abatements on taxes of 1905 . . . . .	\$2,210 00	
“ “ “ “ 1906 . . . . .	1,406 00	
“ “ “ “ 1907 . . . . .	2,128 00	
“ “ “ “ 1908 . . . . .	2,371 20	
“ “ “ “ 1909 . . . . .	2,995 97	
“ “ “ “ 1910 . . . . .	6,564 76	
		<u>\$17,675 93</u>

## Balance to debit of account, 1911:—

Being uncollected taxes of 1904 . . . . .	\$468 96	
“ “ “ “ 1905 . . . . .	696 27	
“ “ “ “ 1906 . . . . .	830 80	
“ “ “ “ 1907 . . . . .	1,070 07	
“ “ “ “ 1908 . . . . .	2,177 49	
“ “ “ “ 1909 . . . . .	5,092 43	
“ “ “ “ 1910 . . . . .	281,607 16	
		<u>\$291,943 18</u>

\$1,601,930 42

## DEBIT.

Balance from 1909 . . . . .	\$283,342 51	
Tax Levy, as per assessors' warrant of August 10, 1910 . . . . .	1,306,888 71	
Supplementary warrants, amounts credited to Overlay and Abatement account . . . . .	11,699 20	
		<u>\$1,601,930 42</u>

**Temporary Loans.**

## CREDIT.

Balance from 1909 . . . . .	\$350,000 00	
Cash, borrowed by authority of the Board of Aldermen on notes as follows:—		
Amount carried forward . . . . .	\$350,000 00	



Amount brought forward . . . . .		\$350,000 00
City Notes Nos. 1 to 14, 251 days, 3.57 per cent., discounted . . . . .	200,000 00	
City Note No. 15, 251 days, 3½ per cent., discounted . . . . .	50,000 00	
City Notes Nos. 16 to 24, 268 days, 4.09 per cent., discounted . . . . .	100,000 00	
City Notes Nos. 25 to 38, 298 days, 4.09 per cent., discounted . . . . .	150,000 00	
City Notes Nos. 39 to 46, 281 days, 4.27 per cent., discounted . . . . .	100,000 00	
City Note No. 47, 29 days, 3 per cent., discounted . . . . .	50,000 00	
	<hr/>	650,000 00
		<hr/>
		\$1,000,000 00

DEBIT.

(Expenditures.)

Cash, paid as follows:—		
City Notes Nos. 698 to 705 . . . . .	\$150,000 00	
City Notes Nos. 707 to 722 . . . . .	200,000 00	
City Notes Nos. 1 to 4 . . . . .	100,000 00	
City Notes Nos. 5 to 14 . . . . .	100,000 00	
City Note No. 15 . . . . .	50,000 00	
City Note No. 47 . . . . .	50,000 00	
	<hr/>	\$650,000 00
Balance to credit of account, 1911 . . . . .		350,000 00
		<hr/>
		<hr/>
		\$1,000,000 00

**Water Loan Interest.**

CREDIT.

Water Works Income, amount appropriated . . . . .	\$2,220 00
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DEBIT.

Coupons maturing April 1, 1910:—	
\$22,000, six months, 4 per cent. . . . .	\$440 00
Coupons maturing July 1, 1910:—	
\$9,000, six months, 4 per cent. . . . .	180 00
Coupons maturing October 1, 1910:—	
\$22,000, six months, 4 per cent. . . . .	440 00
Coupons maturing January 1, 1911:—	
\$8,000, six months, 4 per cent. . . . .	160 00
	<hr/>
	\$1,220 00

Registered Bonds:—

Interest due April 1, 1910 . . . . .	\$500 00
Interest due October 1, 1910 . . . . .	500 00
	<hr/>
	1,000 00

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\$2,220 00

**Water Maintenance.**

CREDIT.

Water Works Income, amount appropriated . . . . .	\$25,000 00
Less unexpended balance . . . . .	597 84
	<hr/>
Amount carried forward . . . . .	\$24,402 16

Amount brought forward . . . . .		\$24,402 16
Receipts:—		
Cash, received of sundry persons, costs . . . . .	\$81 00	
Sundry persons, pipe, fittings, etc. . . . .	5,882 10	
Edison Electric Illuminating Co., grounding wires . . . . .	250 00	
	<hr/>	6,213 10
Stock and labor billed other departments:—		
Highways, Maintenance account, repairing hydrants . . . . .	\$33 55	
Highways, Sprinkling Streets account, maintenance of water posts . . . . .	273 82	
Public Buildings Maintenance, School- houses account, repairing pipe . . . . .	35 26	
Water Works Extension account, stock . . . . .	10,154 07	
	<hr/>	10,496 70
		<hr/>
		\$41,111 96

## DEBIT.

## (Expenditures.)

Cash, paid laborers . . . . .	\$18,703 01
Frank E. Merrill, salary as water com- missioner . . . . .	2,300 00
disbursements . . . . .	242 62
Charles R. Hildred, assistant . . . . .	780 00
Lillian E. Leavitt, assistant . . . . .	317 30
Laura E. Peavey, assistant . . . . .	708 97
Marion L. Morrison, assistant . . . . .	520 00
Josephine M. Sander, clerical services . . . . .	60 00
Helen Caless, clerical services . . . . .	30 67
Mabel F. Kenneson, clerical services . . . . .	9 33
American Express Co., expressing . . . . .	7 20
T. Allen, repairing walk . . . . .	2 00
Anderson Coupling Co., gates . . . . .	249 00
Ames Implement & Seed Co., cart, etc. . . . .	86 13
D. J. Bennett, repairing harness . . . . .	97 75
Harold L. Bond Co., packing . . . . .	54 56
Charles Booth, wood . . . . .	44 00
Boston & Maine Railroad, freight . . . . .	322 98
Herbert E. Bowman, medicine . . . . .	1 50
Braman, Dow & Co., fittings . . . . .	293 94
Boston Woven Hose & Rubber Co., hose . . . . .	9 57
A. C. Briggs, brazing . . . . .	3 00
Builders' Iron Foundry, fittings . . . . .	63 45
Builders' Iron & Steel Co., steel plates . . . . .	1 25
Boston Bolt & Iron Co., bolts . . . . .	4 03
Joe Cotter, grate bars . . . . .	23 97
E. J. Cambridge, stamps . . . . .	572 48
Chadwick-Boston Lead Co., pipe . . . . .	423 99
Chapman Valve Manufacturing Co., valves . . . . .	59 60
William R. Conard, inspections . . . . .	27 80
Cambridge Ice Co., ice . . . . .	42 80
The Carter's Ink Co., ink . . . . .	2 20
Davis & Farnham Manufacturing Co., casting . . . . .	38 24
Julian D'Este Co., patterns . . . . .	87 42
Dalton-Ingersoll Manufacturing Co., valves . . . . .	12 00
	<hr/>
Amount carried forward . . . . .	\$26,202 76

Amount brought forward . . . . .	\$26,202 76
Eastern Salt Co., salt . . . . .	2 25
The Elliott Co., stencil supplies . . . . .	20 27
Seth W. Fuller Co., batteries . . . . .	1 30
Fairbanks Co., valves . . . . .	14 39
Fay Welding & Manufacturing Co., welding . . . . .	90
Fresh Pond Ice Co., ice . . . . .	50 10
Fred F. French & Co., wagon . . . . .	100 00
F. W. Gilbert, rubber boots . . . . .	20 00
Gilman Express Co., expressing . . . . .	28 55
Thomas Groom & Co., books . . . . .	69 00
Garlock Packing Co., packing . . . . .	1 25
Glines & Co., expressing . . . . .	65
A. M. Gutterman & Sons Co., leather strips . . . . .	1 33
W. A. Greenough & Co., directory . . . . .	4 00
Frederick W. Gow, swivels . . . . .	59 40
William S. Howe, pipe . . . . .	9 45
F. M. Hutchinson, disbursements . . . . .	24 00
E. J. Hervey Co., dynamite . . . . .	10 56
Hersey Manufacturing Co., meter parts . . . . .	231 93
O. L. Hill, tires, etc. . . . .	73 64
E. C. Hartshorn, photographs . . . . .	4 00
George W. Ladd, sharpening tools . . . . .	113 10
Lead Lined Iron Pipe Co., pipe and fittings . . . . .	1,338 39
C. W. Lerner & Co, disinfectant . . . . .	50 00
Library Bureau, cards . . . . .	64 85
Lord & Webster Co., hay . . . . .	219 73
T. E. Littlefield, lumber . . . . .	27 09
Cyril J. Larivee, lumber . . . . .	42
Wesley A. Maynard, printing . . . . .	44 05
H. Mueller Manufacturing Co., fittings . . . . .	217 79
Martin & Wood, sharpening . . . . .	3 80
Charles Millar & Son Co., pipe . . . . .	2,122 07
National Meter Co., meter parts . . . . .	50 60
Neptune Meter Co., meter parts . . . . .	1,732 60
New England Oil Co., oil . . . . .	117 97
New England Telephone and Tele- graph Co., service . . . . .	295 47
New England Towel Supply Co., towels . . . . .	5 40
Norwood Engineering Co., hydrant parts . . . . .	200 62
Edward O'Brien, horseshoeing . . . . .	108 88
Fulton O'Brien, hay . . . . .	174 73
W. E. Plumer & Co., hardware . . . . .	43 62
Proctor Brothers Grain Co., grain . . . . .	144 75
F. H. Page Co., cabinets . . . . .	5 00
Henry W. Perry, drugs . . . . .	2 56
G. H. Proctor Supply Co., motor car- riage and supplies . . . . .	567 58
George G. Page Box Co., boxes . . . . .	69 65
Pittsburg Meter Co., meters . . . . .	208 81
John B. Rufer, horseshoeing . . . . .	30 00
Estate of Wilbur P. Rice, lumber . . . . .	3 91
A. G. Renner, expressing . . . . .	15
Rensselaer Manufacturing Co., hydrants . . . . .	155 00
Charles R. Simpson, veterinary services . . . . .	17 00
Amount carried forward . . . . .	\$35,065 82

Amount brought forward . . . . .	\$35,065 82	
Somerville Iron Foundry, castings . . . . .	381 45	
Somerville Journal Co., printing . . . . .	328 53	
Mary Shea, settlement of claim . . . . .	15 00	
Sanborn Map Co., corrections . . . . .	20 00	
E. S. Sparrow & Co., tools . . . . .	70 40	
Frederick W. Shepperd Publishing Co., water magazine . . . . .	3 00	
Steam Carriage Boiler Co., boiler . . . . .	65 00	
Scott & Tinglof, rings . . . . .	10 50	
Stanley Motor Carriage Co., repairs . . . . .	6 33	
R. M. Sturtevant, horse . . . . .	265 00	
Thorpe's Express, expressing . . . . .	1 00	
Turner & Co., envelopes . . . . .	47 50	
Thomson Meter Co., fittings . . . . .	1,119 23	
Nathan Tufts & Sons, grain . . . . .	218 80	
Fred J. Thomsen, disbursements   . . . . .	18 70	
William J. Thompson & Co., hay . . . . .	23 58	
L. H. Truesdell & Co., signs . . . . .	3 25	
Charles L. Underhill, tools, etc. . . . .	198 85	
Underhill Hardware Co., hardware . . . . .	102 92	
Union Water Meter Co., meter parts . . . . .	931 55	
Union Glass Co., lantern globes . . . . .	4 25	
W. H. Vinton, washers . . . . .	2 50	
Samuel Ward Co., stationery and books . . . . .	36 40	
A. J. Wilkinson & Co., tools . . . . .	103 39	
Henry R. Worthington, meter parts . . . . .	1,134 77	
Frederick B. Witherly, gate boxes . . . . .	303 60	
Waldo Brothers, pipe and cement . . . . .	114 75	
Woodman Manufacturing & Supply Co., seals . . . . .	18 00	
R. D. Wood & Co., hydrants . . . . .	442 50	
George A. Watts, supplies . . . . .	1 25	
The Wilkins Press, supplies . . . . .	8 65	
Water Works Equipment Co., leadite . . . . .	10 00	
Walworth Manufacturing Co., castings . . . . .	5 80	
Winter Hill Ice Co., ice . . . . .	3 15	
	<hr/>	
	\$41,085 92	
Highways, Maintenance account, stone . . . . .	4 81	
Sewers, Maintenance account, stock and labor . . . . .	21 23	
	<hr/>	
		<u>\$41,111 96</u>

### Water Service Assessments.

#### CREDIT.

#### Receipts:—

Cash, received of sundry persons, cost of services laid . . . . .	\$2,829 13
Transferred to Water Works Extension account . . . . .	2,829 13

### Water Works, Abatements on Water Charges.

#### DEBIT.

#### (Expenditures.)

Cash, paid sundry persons, money refunded . . . . .	\$220 81
Transferred to debit of Water Works Income account . . . . .	220 81

**Water Works Extension.**

CREDIT.

Water Works Income account, amount appropriated . . . . .	\$13,500 00
Less unexpended balance . . . . .	2,515 37
	<u>\$10,984 63</u>
Receipts:—	
Water Service Assessments account, amount received in 1910 . . . . .	2,829 13
Stock and labor billed other departments:—	
Highways, Sprinkling Streets account, water post . . . . .	58 63
	<u>\$13,872 39</u>

DEBIT.

(Expenditures.)

Cash, paid laborers . . . . .	\$3,718 32
Water Maintenance account, stock . . . . .	10,154 07
	<u>\$13,872 39</u>

**Water Works Income.**

CREDIT.

Metered Water Charges, last quarter district No. 1, 1910, uncollected . . . . .	\$15,819 10
Receipts:—	
Cash, received of sundry water takers . . . . .	\$210,683 17
Metered water charges . . . . .	\$6 16
Abatements . . . . .	220 81
	<u>226 97</u>
	<u>210,456 20</u>
Total income, sales of water . . . . .	\$226,275 30
Reduction of Funded Debt, balance transferred . . . . .	11,612 26
	<u>\$214,663 04</u>

DEBIT.

Water Maintenance account, amount appropriated . . . . .	\$25,000 00
Less unexpended balance . . . . .	597 84
	<u>\$24,402 16</u>
Reduction of Funded Debt, Water Loan Bonds, amount appropriated . . . . .	6,000 00
Water Loan Interest, amount appropriated . . . . .	2,220 00
Water Works Extension account, amount appropriated . . . . .	\$13,500 00
Less unexpended balance . . . . .	2,515 37
	<u>10,984 63</u>
Sewers Maintenance account, amount appropriated . . . . .	12,000 00
Fire Department account, amount appropriated . . . . .	49,000 00
Commonwealth of Massachusetts, Metropolitan Water Assessment . . . . .	110,056 25
	<u>\$214,663 04</u>

**Table D.—Balances.**

Cash . . . . .	\$107,788 97	
City Solicitor . . . . .	40 29	
Commonwealth of Massachusetts . . . . .	17,657 50	
Fire Department . . . . .	388 01	
Grade Crossings . . . . .	33,760 16	
Health Department . . . . .	1,859 98	
Health Department, Collection of Ashes and Offal . . . . .	10,638 24	
Health Department, Contagious Disease Hospital . . . . .	981 42	
Highway Betterment Assessments . . . . .	5,519 80	
Metered Water Charges . . . . .	15,819 10	
Police . . . . .	14,107 04	
Public Buildings Maintenance:—		
City Buildings . . . . .	5,920 89	
Fire Department . . . . .	1,746 41	
Janitors' Salaries . . . . .	531 30	
Schoolhouses . . . . .	7,329 58	
Public Library, Isaac Pitman Fund, Invest- ment . . . . .	5,314 58	
Public Library, Frances A. Wilder Chil- dren's Department Fund, Investment . . . . .	100 00	
Real Estate Liens . . . . .	3,027 52	
School Contingent . . . . .	4,454 32	
Sewer Assessments . . . . .	2,374 03	
Sidewalk Assessments . . . . .	5,278 18	
Soldiers' Relief . . . . .	1,148 57	
Street Lights . . . . .	3,484 88	
Taxes . . . . .	291,943 18	
Assessors . . . . .		\$172 46
City Auditor . . . . .		16 75
City Clerk . . . . .		372 98
City Engineer . . . . .		07
City Messenger . . . . .		13 24
City Treasurer . . . . .		194 95
Clerk of Committees and Departments . . . . .		34
Contingent Fund . . . . .		541 30
Coupons . . . . .		13,675 00
Election Expenses:—		
City Clerk . . . . .		203 56
Commissioner of Public Buildings . . . . .		401 90
Pay of Election Officers . . . . .		69 00
Registrars of Voters . . . . .		75 24
Excess and Deficiency . . . . .		20,708 05
Electrical Department . . . . .		9 53
Electrical Department, Underground Construction . . . . .		269 37
Executive Department . . . . .		46 22
Health Department, Medical Inspection in Public Schools, . . . . .		50 00
Highways Construction . . . . .		1,817 69
Highways, Lowell Street Bridges . . . . .		10,907 18
Highways Maintenance . . . . .		9,569 67
Highways, Suppression of Elm-leaf Beetle . . . . .		242 69
Highways, Suppression of Gypsy and Brown-tail Moths . . . . .		364 54
Highways, Sprinkling Streets . . . . .		4,958 81
Inspection of Buildings . . . . .		91 21
Interest . . . . .		17,397 20
Military Aid . . . . .		322 00
Amounts carried forward . . . . .	\$541,213 95	\$82,490 95

APPENDIX TO TREASURER AND COLLECTOR'S REPORT. 131

Amounts brought forward . . . . .	\$541,213 95	\$82,490 95
Overlay and Abatement . . . . .		21,204 87
Overplus on Tax Sales . . . . .		118 13
Playgrounds . . . . .		202 85
Printing and Stationery . . . . .		333 51
Public Buildings Construction:—		
Building Public Buildings . . . . .		1,055 03
Bennett School Addition . . . . .		990 00
Burns School Addition . . . . .		778 00
Davis School, Vocational Equipment . . . . .		3,751 07
Martin W. Carr School, Land Addition . . . . .		5,293 55
Schoolhouse in Ward Seven . . . . .		31,992 55
Schoolhouses, Additional Window Space . . . . .		1,900 00
William H. Hodgkins School Addition . . . . .		7,980 55
Park Buildings, Broadway and Lincoln Parks . . . . .		977 24
Tuberculosis Hospital . . . . .		4,854 65
Public Grounds . . . . .		17
Public Library, Frances A. Wilder Children's Department Fund . . . . .		100 00
Public Library, Frances A. Wilder Children's Department Fund, Income . . . . .		6 15
Public Library, Isaac Pitman Fund, Art . . . . .		4,251 66
Public Library, Isaac Pitman Fund, Poetry . . . . .		1,062 92
Public Library, Isaac Pitman Fund, Income, Art . . . . .		172 52
Public Library, Isaac Pitman Fund, Income, Poetry . . . . .		39 72
Public Library, West Somerville Branch . . . . .		19
Reduction of Funded Debt . . . . .		4,939 46
School Teachers' Salaries . . . . .		7,614 65
Sealer of Weights and Measures . . . . .		90 83
Sewers Construction . . . . .		5,281 94
Sewers Maintenance . . . . .		21 26
Sidewalks Construction . . . . .		2,195 08
Sundry Persons . . . . .		699 65
Support of Poor, City Home . . . . .		543 76
Support of Poor, Miscellaneous . . . . .		271 04
Temporary Loans . . . . .		350,000 00
	\$541,213 95	\$541,213 95

### APPROVAL OF TREASURER'S REPORT.

In Committee on Finance, February 16, 1911.

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

Gentlemen: The committee on finance presents the report of Edwin L. Pride, expert accountant, as its report as an audit of the books and accounts of the City Treasurer, and recommends that the report of the treasurer be printed in the annual reports of 1910.

Respectfully submitted,

RALPH M. SMITH,	} Committee on Finance.
OSCAR H. BELDING,	
FRED E. HANLEY,	
EDMOND RUSSELL,	
CHARLES W. HODGDON,	
OSCAR W. CODDING,	
RICHARD F. CHURCHILL,	

In Board of Aldermen, February 23, 1911. Accepted.

FREDERIC W. COOK, Clerk.



## REPORT OF THE SCHOOL COMMITTEE.

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School Committee Rooms, December 30, 1910.

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.

## SCHOOL COMMITTEE, 1910.

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

### Members.

	Term expires January.
EX-OFFICIIS.	
JOHN M. WOODS, Mayor,	47 Spring street. 1911
RAY R. RIDEOUT, President Board of Aldermen,	22 Dana street. 1911
WARD ONE.	
EMORY F. CHAFFEE,	109 Pearl street. 1911
MRS. MARY G. WHITING,	61 Mt. Vernon street. 1912
WARD TWO.	
THOMAS M. CLANCY,	52 Springfield street. 1911
DANIEL H. BRADLEY,	19 Concord avenue. 1912
WARD THREE.	
WILBUR S. CLARKE,	40 Vinal avenue. 1911
GEORGE E. WHITAKER,	75 Walnut street. 1912
WARD FOUR.	
GEORGE W. FOSTER,	7 Evergreen avenue. 1911
CHARLES A. KIRKPATRICK,	27 Sewall street. 1912
WARD FIVE.	
J. WALTER SANBORN,	183 Central street. 1911
HENRY H. FOLSOM,	103 Central street. 1912
WARD SIX.	
*DR. LEONARD H. POTE,	694 Broadway. 1911
†MRS. MARY R. BREWER,	170 Summer street. 1911
FREDERICK A. P. FISKE,	44 Cherry street. 1912
WARD SEVEN.	
MRS. LILLA H. TAINTER,	46 Chester street. 1911
DR. GEORGE C. MAHONEY,	97 College avenue. 1912

### 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.

\* Resigned.

† Elected May 19, 1910.

## STANDING COMMITTEES, 1910.

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Note.—The member first named is chairman.

High Schools.—Sanborn, Mahoney, Clancy, Clarke, Foster, Mrs. Brewer, Mrs. Whiting.

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

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

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

District IV.—Foster, Kirkpatrick, Chaffee.  
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.

Additional School Accommodations.—Mahoney, Sanborn, Clancy, Clarke, Kirkpatrick, Fiske, Chaffee, Woods, Rideout.

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

Finance.—Chaffee, Bradley, Whitaker, Woods, Rideout.

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

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

Music.—Mrs. Whiting, Bradley, Folsom.

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

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

Rules and Regulations.—Bradley, Fiske, Mahoney.

Salaries.—Kirkpatrick, Whitaker, Clancy.

Supplies.—Clarke, Chaffee, Sanborn.

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

Vacation Schools.—Mrs. Tainter, Foster, Mrs. Brewer.

## REPORT OF THE SUPERINTENDENT OF SCHOOLS.

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To the School Committee of Somerville:—

I have the honor to present to you the report of the conditions of the schools for the year 1910. According to custom, this report includes statistical information and cost of maintaining schools, as well as a discussion of the educational processes which constitute the work of teachers and pupils: For convenience, I have separated it into two parts, treating, first, the educational work of the year and, second, statistical and informational matter in the form of tables.

### SCHOOL CONDITIONS.

**School Attendance.** The state census for 1905 gave 69,272 as the population of Somerville. The United States census for 1910 gives 77,236, an increase in the last five years of 7,964. The average membership of the public schools for 1905 was 11,543; that for the school year 1910 is 12,131, an increase for the five years of 588. This comparison apparently shows a more rapid growth in the population than in school attendance, but this conclusion is made invalid by the fact that the school membership during a part of the present fiscal year has been lowered by the exclusion of five-year-old children from the first grade since the opening of schools in September. The entire enrollment for the year is 14,481, a loss over last year of 882. In December of this year there were enrolled in the public schools 12,059, 848 less than last year. On the same date there were 826 pupils in the first grade, 769 less than last year. Subtracting the loss of the first grade from the loss for all the schools, there is a loss of 79 to be distributed among the grades other than the first. The enrollment in December in the high schools is 1,726, 43 less than last year; in the elementary schools, 10,084, 847 less than last year; in the kindergarten, 200, 7 less than last year; in the industrial school, 33; in the atypical school, 16. Three hundred and forty teachers are now employed. Last year there were 350.

The reduction in the number of pupils in attendance has given relief from the crowded condition which was noted in the last report. There are fewer places of overcrowding. It has been possible to do away with large classes requiring an assistant teacher in most places where such have been necessary for the last few years, and consequently to give better accommodations to pupils. In the Lincoln and Hodgkins Schools in Ward Seven, and in the Bingham School in Ward Five there are crowded classes, but in other parts of the city conditions have been improved. One of the important effects of the

change was the distribution which it made possible of the pupils of the Davis School building among the nearby schools, affording opportunity to use that schoolhouse as the location for an industrial school for boys. Several schoolrooms were vacated in various parts of the city and became available for other uses. A room in the Bell School was taken for an atypical class, and there are several rooms not now in use.

**Schoolhouses.** The usual repairs were made during the summer, and in the main the school buildings were in good condition when the schools opened in September. The fault of insufficient lighting which has been reported several times in the past has not been changed, but it is gratifying to be able to note at this time that money has recently been appropriated by the Board of Aldermen to provide all the additional window space needed to make the lighting sufficient in all of the buildings where more is needed. When this is done a most important step in the improvement of our school buildings will have been taken.

In accordance with the recommendation made in my first annual report, bubble fountains have been installed in all of the school buildings in the city. When schools opened in September provisions of hygienic fountains in sufficient number had been made in all of the buildings to meet the requirement of the law forbidding the use of the common drinking cup. In this way the schools of our city were found prepared for a change which would otherwise have caused great inconvenience to the pupils and some difficulty for the school authorities.

Another improvement both for the present and the future welfare of the schools has been the enlargement of the grounds around several of the buildings by the purchase of additional land. The additions are as follows: Brown School, 6,640 square feet; Hodgkins School, 27,412 square feet; Hanscom School, 4,011 square feet; Carr School, 8,850 square feet; and negotiations are being carried on to secure additional land at the Bennett and Burns Schools. In addition to these purchases, another step in the solution of the crowded condition in Ward Seven has been taken by the purchase of a large lot of land on Clarendon Hill to be used as a site for a grammar schoolhouse. This land is situated on Powder House boulevard, extending through to Raymond avenue, consisting of 53,729 square feet, sufficient to afford opportunity for a large grammar schoolhouse, with plenty of play space around it. While no appropriation has yet been made for building on this site, it is good policy to take this land for school purposes, as it is the only eligible piece of property large enough for this purpose which remains unimproved in this rapidly-growing region.

**Shortening the Elementary Curriculum.** In September the new rule went into effect restricting admission to the first grade to children of six years, and to the kindergarten to children of five years. In another place the decrease in attendance due to this fact has been noted. It is necessary to say here only that the change seemed to meet public approval and was made with little remonstrance on the part of parents of school children and without confusion in the administration of the schools. No teacher was displaced because of this change, but a few were transferred to new positions. It is too early yet to comment upon the effect of the change upon first-grade school work, but it may be fairly stated that first-grade teachers are pleased with the new conditions, and that they look forward to being able to do better work with their classes, with less strain to themselves and to their pupils.

No steps have yet been taken to carry into effect the elimination of the ninth grade, but with the adoption of the plan of semi-annual promotion it will be possible to do this by a gradual change extending over a period of a little more than two years. When this shall have been accomplished, the elementary school curriculum will be established on an eight-year basis, with six years as the age of admission to the first grade.

**High Schools.** The crowded condition of the high schools has been for a number of years a source of great anxiety to all who are interested in their welfare. The bad effects of this overcrowding have been stated in the annual reports for several years past. As relief from these conditions had not been given by additional accommodations, it was wisely determined by the Board to get it through a change in the way in which the buildings were used. Consequently, beginning with the first of September, an afternoon session was put into operation in the English School, and a lengthened session was established in the Latin School. The purpose of these changes was to reduce the number of pupils in attendance at one time. In the English School the morning session was devoted to the three upper classes and the afternoon session to the lowest. In the Latin School a portion of the pupils reported at the opening of school to remain four periods, while another portion reported at the opening of the third period to remain until the close of the school day. In the English School, where the overcrowding heretofore has been the most manifest and the cause of the greatest inconvenience, desks were removed from a number of the schoolrooms, and several of the laboratories and recitation rooms were rearranged and refurnished. The effect of these changes has been to give to the pupils better accommodations, more hygienic conditions, and a better opportunity to do their school work unhampered by overcrowding. While these changes create a condition much better for the pupils, they also

produce a plan of organization of the high schools which is not in keeping with the commonly-accepted view of the best organization of a high school. Whether or not this plan has not more in its favor than is commonly conceded remains to be seen. The head masters and teachers and pupils are giving their best efforts to make a success of present conditions. Judging from the present experience, there seems no reason to doubt that for us it is a wise policy to continue this experiment another year and to let the matter of additional accommodations remain in abeyance in the meantime.

### THE WORK OF THE SCHOOLS.

**The Aim in Education.** It is well in any kind of business to stop once in a while to ask, What is this for? What is being accomplished? What is the lesson for the future? These questions may very well be asked by school officials in order that the work of the schools may be tested and improved. The general answer to the first question would be that the public schools are an agency created to work the will of society regarding the education of the young. While the meaning of this statement is plain, there are two, at least, of its terms which will bear examination for the sake of finding out what they signify. These are the terms "education" and "the will of society." The term education is defined in various ways. A recent writer has affirmed that it is the aim of education to enable the individual to realize the ideal values of life. Expressed in less poetic language, this definition means that the aim of education is to enable the individual to make the most of his opportunities, to develop his best powers, and to fit him to live in the environment in which he is placed. The will of society is that the youth shall be trained so as to realize these aims, but if it is an aim of education to fit the individual to live in the environment in which he is placed, changes in that environment will render necessary changes in the preparation for that environment. The conditions of society to-day are the environment for which the young are now to be trained. Are the conditions of society to-day like those existing a generation ago? Have conditions of living changed? These questions must be answered by those who are charged with the responsibility of providing a scheme of education for the youth of to-day. Of course, even to a casual observer of affairs, it is plain that there has been a great change in the last few years in all of the conditions of life. Business and industries have taken on a new character; cities have become more densely populated; home life has undergone a change. All this is vividly set forth in the following passage, which I quote from "Growth and Education," by Professor Tyler, of Amherst College:—

“The life of the old New England farm was probably by far the best education for this epoch. ‘The child grew and waxed strong.’ He was busied, but not over-taxed. He found plenty of daily tasks suited to his strength and intelligence, which tested his ingenuity, and trained him to take the initiative. He grew up largely out of doors, surrounded by natural objects which continually stirred his curiosity. Even the monotony of life trained him to form habits of patience, industry, care, and of accepting responsibility as he could bear it. No modern system of education can hope or should be expected to accomplish all the good things which under such training seemed to come as a matter of course. We must make good these losses as far as we can, and be grateful for the compensations of modern life.

“The child is better off at school than at home. But he needs a peculiar school, courses of study, and methods of training and instruction. Let us not forget that in assigning work our question should always be, What and how much will best promote growth? not, How much can he endure? We wish to find the kind and amount of work which will furnish the best and most profitable exercise for those centres in the brain which most crave and need it.”

As a result of this new condition, children are reared without some of the advantages which fell naturally to the children of former days. Deprived of these advantages, they will grow up less prepared than were their predecessors to take their places in life unless some provision is made in their behalf to meet the lack. It is apparent that in this emergency society is looking to the public schools to supply these needs. This adds not alone to the burden which the schools already have to bear, but to their responsibility for the way in which they meet it. The schools are called upon to deal adequately with spiritual, social, and physical values, to promote strongly knowing, willing, and doing. The aim of the public schools, then, should be to educate each individual to fit the conditions of society to-day by developing his physical nature in strength and symmetry, by expanding his spiritual nature, and by cultivating his social instincts; to teach him to know, to do, and to be willing to do.

*Knowing.* A large part of our effort at present is given to teaching the pupils to know. The expansion of human knowledge has kept pace with the increase of industries and of business, so that to-day the acquisition of knowledge as recorded in books must be an arduous task for the pupil. All of the so-called school arts are included under the general term of knowledge. Hence the schools cannot lessen at all their efforts to teach reading, writing, and arithmetic, and all of the various phases of information which grow therefrom. This



constitutes the largest and most time-consuming part of the activities of the schools, but if the view of education which is herein expressed is correct, knowing is not the whole of the business of education. There remains the important function of training the individual in doing and in willing to do.

*Willing.* The will is the mainspring of human activities. It is the power which propels the human volitions. Variations in the strength and quality of the human will cause differences in the character which distinguish one individual from another. Strength of will is the source of spiritual and moral and social virtues; an evil will is the source of actions which offend the spiritual, moral, and social virtues. From this generalization it is apparent that the training of the will should be a primary aim of education. To ignore this aim, or to treat it with scant consideration, is to leave uncultivated the broad fields of spiritual and social values which contribute to the making of good citizenship. Adequate cultivation of the will during the period of education should promote honesty, uprightness, obedience, regard for social and civic observances; should give power to initiate, to carry on, and to consummate the undertakings of life, and should make the individual self-dependent and self-reliant. Within this field are to be found the studies commonly grouped under the titles of ethics, civics, good citizenship, and thrift. So important are these qualities, it cannot be doubted that throughout the course of a child's education there should be such consistent training of the will as to ensure the making of the best character possible for each individual.

*Doing.* The will manifests itself mainly through acts. To know and to will does not constitute the round sum of development. The ability to act is equally important. To knowing and the willingness to do right must be added the power to act and to do right. Hence opportunity should be given throughout the education of a child for the exercise of the motor activities. Whatever may be the possessions of knowledge at one's command, however strong may be his will, unless he has training in the application of these possessions and qualities, to the doing of specific tasks, efficiency will not be accomplished nor success attained. Hence it is necessary to provide exercise which will supply the opportunity for this kind of training. Included in this list are all manual exercises, such as penmanship, drawing, sewing, cooking, basketry, wood working and metal working, physical training and games, and vocational training, whether commercial, professional, or industrial. The old adage of "A sound mind in a sound body" will be realized by the youth fortunate enough to have training in these three lines of effort.

**Application of Test.** Applying this test to the work of our schools, it can be stated that adequate instruction is given in the school arts. From the primary school through the high school knowledge is being diligently imparted and earnestly sought. Teachers realize the importance of reading, writing, and arithmetic, and all of the arts which grow therefrom, and are striving with great energy to give such instruction as will secure to the pupils the advantages to be derived from knowing some things thoroughly. Our children read well, spell well, and are well trained in arithmetic. In the higher branches of knowledge full opportunity is given to every pupil to learn all that he is capable of acquiring and is willing to acquire. By far the largest portion of the school time is given to acquiring knowledge.

Concerning training the will it must be said that the effort of the school is less well organized. That the influence of the school is beneficial in forming habits of honesty and industry, of respect for the rights of others and for the laws of society, cannot be doubted, but sufficient time is not given in our school curriculum for the orderly and consecutive treatment of the group of subjects which are to be found in this division of an adequate education. I think that it is desirable to treat with more systematic attention such subjects as thrift, ethics, and civics, and to attach a greater value than at present to developing power of initiative and of self-reliance.

More has been done in the way of developing motor activities. All through the school course the children are trained to use the hand in writing and in drawing. In grades five, six, seven, and eight sewing is taught to the girls, and from the sixth grade on through the first two years of the high school manual training is taught to the boys. In addition to this, an industrial school for boys has been established, and one for girls is soon to be opened. Throughout the course there are many forms of related motor occupations. These all afford a basis for an adequate development of the power of putting into action the knowledge and the will of the pupils. Further development along these lines will be easy and should be attempted.

*Health.* In one respect, however, more should be done. At this time, when health is being conserved with wonderful care, when the complexities of civilization place upon the individual nervous and physical strain of unwonted character, it is of first importance that a sound body should be built up to withstand the strain. School life presents conditions which in themselves are hostile to the physical development of the child. Five hours daily of indoor confinement, with very little moving about, is an unnatural condition for the child. In order that it may not be an injurious condition, its disadvantages should

be offset by systematic and well-devised physical relaxation and exercises. Some improvement has been made in this matter this year by the requirement of an outdoor recess in all the grades in the morning and in the primary grades in the afternoon. This matter, however, should be put upon a better basis than this. The physical development of our children should be considered of such importance as to receive the careful guidance of a person sufficiently well trained to know what the requirements of a growing child really are. I hope that it will be possible to expand the subject of personal hygiene, and to have suitable exercises for all grades of school children under the care of a competent expert. I know of no other single need of our schools more important than this.

### RETARDATION.

Reference to Table 19 in the Appendix will disclose the facts concerning the promotion of pupils at the close of school in June. From this it will be seen that, out of 10,477 pupils, 8,133 got unconditional promotion, nearly one-half of the remainder, or 1,053, were left behind, 1,219 were promoted on trial, and 72 were promoted more than one grade. Expressed in percentages, 77.6% were unconditionally promoted, 11.6% were promoted on trial, 10.1% were left behind, and .7% were promoted more than one grade. Out of every hundred pupils in the enrollment at the end of June, 10 were left behind. Judged by the standard of promotion, 10.1% of the pupils on the rolls in June were failures. If to this 10.1% there is added the 0.4% of promoted children who were dropped back, the percentage of repeaters is 10.5%. The percentage of children left behind at the end of June was a little larger than that of the preceding year, but on the other hand a few more were promoted more than one grade this year than last year. These figures are of sufficient importance to invite careful consideration.

It has been laid down in the beginning of this report that the public schools are an agency of society to educate the youth of a community so that they may realize the best ideals of society. The schools are established expressly to meet the needs of the youth. Can it be safely concluded that the needs of the youth are being satisfactorily served when the statistics of the schools show ten per cent. of failure? If an affirmative answer cannot be given to this inquiry, then it is the duty of those in control of the schools to search carefully for the causes of such failure, and if possible to remove them. Retardation has been denounced in vigorous language as an evil laying additional expense upon the already heavy burden which the maintenance of the public schools creates. It has been urged that the cost of a single repeater is equal to the cost of educating the same

child the same length of time in a year of advanced work. While this is undoubtedly a just conclusion, and supports the contention that retardation is a costly condition, yet the element of cost is the smallest part of the evil of training youth to failure. To contemplate failure with complacency is an unavoidable sequence of training youth to the habit of failing. The reaction of this habit of failing upon the activities of the school is also unfavorable. Long acceptance of the idea that a large proportion of the youth are destined to fail has rendered less happy and inspiriting the processes of education in the schools. If by diligent search a remedy for this condition can be found in part or in whole, is it not most important that that search should be made? In his very thorough discussion of this subject published about a year ago under the title, "Laggards in Our Schools," Leonard P. Ayres ascribes retardation to this cause:—

"The first is that our courses are not fitted for the average child. They are so devised that they may be followed by the unusually bright pupil substantially as mapped out. The really exceptional child may even advance faster than the scheduled rate, but the average child cannot keep up with the work as planned, and the slow child has an even smaller chance of doing so."

Discussing the same matter last August, Dr. Luther H. Gulick adds another statement of the evil in the following words:—

"At present our courses of study are not fitted to the abilities of the average pupil, but to those of the unusually bright one. . . . It is probably a most conservative statement to say that in the average city there are at least ten times as many children making slow progress as there are making rapid progress. I know that the difficulty in making up a grade we have lost lies not mainly in the course of study, but in our lack of school machinery adapted to help the pupils to regain a lost grade or to gain a grade, but the large number who lose grades shows that the courses of study or the promotion conditions must be changed. The essential and the only essential condition for promotion should be the attainment of such knowledge and skill as will permit of the next grade being understood."

The effect of these statements published a year apart is cumulative, and leads to the conclusion that much of the cause of the prevailing retardation of pupils is to be found neither in defects inherent in pupils nor in the inefficiency of teachers, but is to be attributed rather to faults in the courses of study and to the use of wrong methods for evaluating the attainments and progress of children. Dr. Gulick lays strong emphasis upon the statement that the measure of promotion is the ability of the child to do the work of the succeeding grade.

Dr. Ayres lays emphasis upon the proposition that the work required of pupils should be of such a character that a child of average ability can do it successfully. If these propositions are tenable, then the conclusion follows that existing courses of study contain too much matter, matter that is too difficult, and that the method of promoting chiefly upon ranking based upon attainment of knowledge is a wrong method. These contentions are borne out somewhat in our own case by a careful scrutiny of the figures. It is noticeable that more pupils are retarded in the first three grades than in any succeeding group of three grades, that the greatest number in any single grade is to be found in the first grade. Teachers are finding the exactions of formal instruction in these grades to be too severe. They meet them by causing the child who has not been able in one year to respond to the requirements of the first grade to take another year to do so. This is not the fault of the teachers nor the fault of the pupils, but is plainly due to exactions too severe.

Having discovered at least some of the causes which produce this evil, what steps should be taken to overcome it? First, it would seem desirable to revise the course of study so as to make the requirements for each grade such as can be met by the pupils of the age which is normal for that grade. Second, in measuring the work of pupils and the value of their efforts, and in rating their progress, account should be taken of the development of power, the manifestation of willingness to work, the ability to deal with a new task, as well as with the acquiring of knowledge. This is especially to be desired in the lower grades, where the greatest retardation shows itself. Third, special classes should be provided for pupils who have unusual difficulties in meeting the requirements of the schools. When all of these plans have been faithfully and sympathetically followed, it may be confidently expected that the amount of retardation will be greatly reduced. A high rate of mortality in a community is not the best proof of high standards in the health department of the community so affected. Can it be asserted with pride that a large number of repeaters in a school system is irrefragable evidence of a high standard of scholarship therein? Quite the contrary would seem to be the case. Where all are working naturally and happily and with high hope of success, there may high scholarship most reasonably be expected. Therefore it would seem to be wise resolutely to undertake the task of overcoming to a large extent the phenomenon of retardation by removing the conditions which cause its existence.

#### **COURSE OF STUDY.**

A revision of the course of study for the elementary schools is under way. New outlines have been provided in

English and in nature study, and others are in preparation. Before the end of the present school year it is hoped that all will have been revised. In addition to the revision of the course of study already planned, it will be necessary to distribute the work of each year in two divisions to correspond to the first and second semesters. One aim in altering the courses of study is to provide a training in eight years equivalent to that heretofore furnished by the curriculum of nine years. To do this is not altogether a matter of the content of the courses of study; it is very largely a matter of motive. Shortening the course by a year need not necessitate the sacrifice of educational values. The knowledge content can all be conserved and even extended throughout the courses of study. By better placing in the course of study things to be done, by closer correlation, by elimination of some needless and time-consuming work, and by the centring of attention upon the growth and development of pupils, there may be secured in eight years a training at least equal to that which has been heretofore attained in nine years. It cannot be seriously contended that the amount of formal knowledge which a child can get between the ages of five and six years will be consequential in the total acquired in the next eight years.

In carrying out this aim, it is desirable to establish clearly the principle of evaluating properly the progress of pupils. Reference has been made to the proposition concerning progress in school laid down by Dr. Gulick. It is interesting to note that our own rules on this matter are liberal enough to allow teachers to properly determine the progress of pupils in full harmony with this criterion of success. Section 136 of the Rules and Regulations provides that in the high and grammar schools the basis of promotion shall be the teacher's estimate of the oral and written recitations and effort of the pupil. The teacher's estimate of the progress of the pupil is the basis of his promotion. When teachers realize that the progress of a pupil is to be determined by such criteria as, What is best for the pupil? and Has he the ability to do the work of the succeeding grade? then flexibility will be provided sufficient to ensure the promotion of all those for whom promotion would be a benefit, and when that shall have been accomplished no reasonable ground for reproach will remain. The welfare of the pupil will have been substituted for the fitting of the child to the system as a determinant of progress. In this connection it is well to mention again that ungraded classes in every large school building, or at least in every school district, would be a boon to pupils and to teachers alike. Through the means of such classes many of the most difficult problems of promotion can be successfully solved.





INDUSTRIAL SCHOOL FOR BOYS, DAVIS SCHOOL BUILDING, CORNER TUFTS AND GLEN  
STREETS,



**INDUSTRIAL EDUCATION.**

An industrial school for boys was opened in September in the Davis School building. Courses in wood working and in metal working were provided. Opportunity to enter this school was given to boys fourteen years of age who had the necessary physical and temperamental qualifications. While no scholarship limit was established, it has been found best to admit boys who have had at least the equivalent of the first six years of the elementary school training. Although the school was not fully equipped when it was opened, there was a ready response to the opportunity, and the school had a satisfactory enrollment from the start. Interest in the school has grown since its establishment, and there is a steady demand for admission to it. While the work of putting the school into successful operation was in progress, application was made to the State Board of Education for approval, in order that the school might be placed upon the list of approved industrial schools, and might receive the benefit of the co-operation of the state in its support. This application was considered by the Board of Education and passed upon favorably at its meeting on December 9, 1910. In this way was consummated the purpose of the School Committee after a year devoted to plans and inquiries. A history of the school and a description of its equipment will be found in the Appendix, as well as a statement of the principal showing the work of the pupils up to date. At this point it is only necessary to add that the school is well established and gives every promise of a success even greater than was anticipated.

While the industrial school for boys has been thus firmly established, steps have been taken to create an industrial school for girls. An investigation has been conducted in this city under the direction of the State Board of Education to find out the conditions which affect the employment of working girls. This investigation has confirmed beyond possibility of doubt the belief that insufficient opportunities now exist for the girls who must leave school at the earliest possible moment to go to work. The details of this inquiry are shown under a separate heading in the Appendix. It seems therefore to be wise to go forward with the plan to establish an industrial school for girls. Encouragement is given to this purpose by the fact that a suitable location has been provided through the purchase of the property adjacent to the Carr School building. Here is a house adequate for the beginnings of this enterprise. At a small expense necessary rearrangements can be made to accommodate the various activities of a trade school for girls. Apparently it will be wise to do in this case the thing corresponding to that done at the trade school for boys, namely, to select basic trades as the foundation of this school. Millinery,

dressmaking, and related trades would afford the best opportunity for the largest number, and would furnish a foundation for a school adapted to meet the needs of the girls of this community.

There still remains an opportunity for further development of industrial teaching in the night schools. Much of the instruction given in the evening high school is vocational in character, and is such as ought to be found in any fully-equipped evening vocational school. It is possible, however, to add without great expense courses in other subjects which would give industrial training to groups not now receiving it. Dressmaking and millinery can be taught to women in evening classes, and cabinet-making and machine-shop work can be taught to men. Evening classes in these subjects ought to be offered to the adults of this city as soon as the industrial schools are sufficiently well established to be run at night as well as during the day.

### SPECIAL SUBJECTS.

**Atypical Class.** A class for atypical children was opened in September in the Bell School, and is now conducted there with an attendance of sixteen pupils. This class was provided to give an opportunity for special instruction for children of less than normal mental development. Such children are to be found in small numbers in the schools of any community. They are the unfortunate children, who without special care are compelled to struggle with the conditions of life poorly equipped to meet its demands, helpless to overcome their difficulties, and impeding the progress of other children with whom they are associated. It is wise policy, both on account of others and for their own good, to segregate these children where they can receive the attention and nurture which their particular characteristics render necessary. The task of teaching these children is one of singular difficulty, calling for a teacher of patience, of sympathetic temperament, and of great insight into the workings of these slowly-developing minds. It is fortunate that such a teacher was available for this work. Under the care of Miss Mary A. Holt, this class has been successfully established, and much good has been accomplished for the children committed to her care.

**Ungraded Class.** At the Hanscom School an ungraded class designed for children of the second, third, and fourth grades has been in operation for a few weeks. The purpose of an ungraded class is to provide a place where children who are not properly graded may receive individual instruction. Sometimes through this means children in a few weeks can overcome deficiencies and resume their places in the regular class, thereby avoiding repeating a school year. By the same means

INDUSTRIAL SCHOOL FOR BOYS, METAL-WORKING MACHINE ROOM





others can be helped to advance faster than the normal pace. This ungraded class will this year be used by children from the Hanscom, Edgerly, and Prescott Schools. It has already justified its existence. It is believed that schools of this type should abound throughout the city, and it is hoped that it may be found possible to provide others before the close of the present school year.

**Vocational Guidance.** In its efforts to prepare the child to take a place in the affairs of life, the school is confronted with a new problem. The transition from school to a place in the work of the world is not easy for the child, nor is it well defined for him. Thrown upon his own resources after leaving school, often with no intelligent help, many a child must pass through a period of bewilderment and indecision while trying to find his place in the new order of which he must become a part. Without definite aim and without clear knowledge of his own powers and aptitudes, he becomes too often the victim of circumstances and fails to find his proper place. This condition calls for a remedy. Formerly the home provided the advice which the child needed in this critical period, and to some extent it is able to do so now, but for many pupils other assistance must be provided. To know himself and to gain some knowledge of the world which he is to enter is an essential part of the education of the child. Hence the school has a direct relation to the problem.

What can be done to meet adequately the need here presented is a problem which calls for study and investigation. The organization of the school is such as to afford better contact with the child than with the affairs of the world. The school can give to the child the training which he needs for this exigency whenever it is able to draw from the activities of the world the teaching which the child needs. On this side of the problem the organization of the school is at present deficient. Recognizing this fact, the School Board has wisely established a committee to investigate the problem herein defined. Through the investigation of this Committee on Vocational Guidance there may be expected to come such a knowledge of the relations of the world of work to the youth in school as will give the basis for constructive measures to meet the need. I commend this movement to the thoughtful consideration of all who are interested in the welfare of our schools, believing that it presents possibilities of great significance.

**Dental Inspection.** In February the School Committee received an offer from twenty-five dentists of Somerville to give their services without charge to the city for the treatment of school children who could not pay for having such treatment at the expense of their parents. After a short time devoted to plans for organiz-

ing, a room in the Proctor School was opened for this service. Before the end of the year several children from each of the elementary schools were treated at the dispensary. The success of this effort has been such as to demonstrate the value of the work and the need which exists for treatment of this kind. In the fall the dispensary was re-opened and is now in operation. Difficulties have arisen which have limited in some ways the advantages obtainable from the plan, but notwithstanding this fact, the work is going on and is achieving good results. In another place are given the details of the organization and some facts about the extent of the work. While this effort is highly commendable and its results are very gratifying, it is nevertheless to be doubted whether the work is now on a permanent basis. It seems probable that it will be necessary for the School Board to co-operate in some elements of expense if the undertaking is to be made permanent and thoroughly satisfactory.

**Changes of Teachers.** Seventeen teachers left the service during the last year. Five resigned to be married, eight left for better pay elsewhere, one left to go into business at an increase of a thousand dollars a year, and three left for other reasons. Nine teachers have been elected to fill new positions, and seven in the places of teachers resigned. Great care has been given to the selection of new teachers, investigation of the school history, including preparation and experience, having been made in every case. Promising teachers have been secured, and all of them are now giving evidence of ability to serve the city efficiently.

While the selection of a new teacher was under consideration at the Latin School, at the earnest request of the Committee on High Schools, Mrs. Isabel G. Higgins took temporary charge of the classes in mathematics formerly taught by Miss Mary Cliff, who resigned just before the opening of schools in September.

**Pay of Teachers.** The ideals of public education herein expressed are high ideals. They cannot be reached by indifferent or mediocre service. In the last analysis much of the effectiveness of any system of schools will be dependent upon the character of its teaching. Merely mechanical performance of the duties of a teacher's office will not secure the best ideals of education. Whole-hearted, sympathetic work is needed. This means that the teacher must give of her strength and her emotions. The value of such service as this is more than can be measured by the teacher's wage. Yet she has to have a wage, and that should be such as to ensure her giving her best to her pupils. The teachers of the elementary schools have presented to the Board a respectful petition for an increase of pay. With the increased cost of living, the maximum salary for these

teachers is no longer sufficient to provide for their needs and to relieve them from anxiety for the future. If means can be found for giving to these deserving workers for the city an increase to help them bear the strain placed upon their resources by the increased cost of living, I hope that it will be done. Money spent upon good teaching for her youth is a good investment for any community.

### SEMI-ANNUAL PROMOTION.

The School Board has approved the plan of semi-annual promotions in the elementary and high schools and admission of pupils to the kindergarten and first grade in February, as well as in September. As this plan will go into effect next February, a statement of its purposes and advantages may well be made. Under the system of admission only at the beginning of the year, and of re-grading only once a year, certain well-defined consequences follow which are disadvantageous to many children. Beginners who are unable to enter at the time prescribed at the opening of the school year are required to wait nearly a year before another opportunity to enter school arrives. This is a hardship for all children so affected. Again, pupils who are unable to keep up with their classes are obliged to drop out of school or to repeat a year's work. It is not always clear that the pupil needs to take a whole year to overcome his deficiency. A shorter interval in most cases would be sufficient. One of the remedies for retardation suggested by Dr. Ayres is shown in this quotation from his book on "Laggards in Our Schools":—

"The first step toward mitigating the bad effects of failure is the system of half-yearly promotions, by which the pupil who fails has only to repeat half a year's work instead of that of an entire year. There is little doubt as to the desirability of this plan. It is in successful operation in dozens of cities, and is rapidly spreading, but it is a matter for surprise that it is still rather the exception than the rule."

Again, promotion only at the end of the year does not afford sufficient opportunity for the pupil of exceptional ability to accelerate his progress in the schools.

Inasmuch as the change from the plan of annual promotion to one of semi-annual promotion is a radical one, I would like to quote the opinion of one who for many years, as United States Commissioner of Education, exercised a profound influence upon the thought of those engaged in the work of education in this country. The late Dr. William T. Harris, in commenting upon the report of the Committee of Twelve, said:—

"It happens, therefore, that the chief care in the management of the work of instruction in a system of city schools is to grade or classify the pupils in such a manner that the inter-

ests of some are not sacrificed for those of others. The effect of placing pupils of different degrees of advancement in the same class will be to urge unduly the backward ones, while the pupils in advance of the average in the class will have too little work assigned them. When bright scholars are kept back for dull ones they acquire loose, careless habits of study. When pupils of slower temperament are strained to keep pace with quick and bright pupils they become discouraged and demoralized. Even when pupils are well classified at the beginning of the year, differences begin to develop from the first day, and, after two or three months of good instruction, a large interval has developed between the advancement of the slow ones and that of the bright ones. Besides differences in temperament, there is difference in regularity of attendance on account of sickness and family necessities; these things affect the rate of progress. Moreover, the degree of maturity and the amount of previous study develop differences. Classification in a school is never absolute. No two pupils are exactly of the same degree of progress. There are, probably, no two pupils alike in ability to do the daily work of the class. From this it is evident that there should be frequent re-classification. There should be promotions of a few of the best ones from below into the class above, and a few promotions from the best of that class to the next class beyond. After such promotion has been made through all or a portion of the classes of a school from the lowest, each class will find itself composed of fair, average, and poor scholars, together with a few of the best from the next lower class, in place of the few that each has lost by promotion. New hope will come to those pupils who were before the poorest in the class, and there will be new stimulus given to the best pupils, who have been promoted to a higher class, for they will have to work earnestly to attain and hold a good rank in the new class. But the quick and bright ones thus promoted will gradually work their way toward the top of the class again. The slow ones in the class may be passed by successive platoons of bright ones introduced into the class from below, but they will pick up new courage on every occasion when they find themselves brought to the top of the class by the process of transferring the bright ones who had begun to lead them into too fast a pace. This sifting-up process, as here described, corrects the disease known as 'lock-step' in the graded schools. The yearly promotion plan leads to careless teaching on the part of the teacher who has to adapt his instruction to the average of the class; knowing, at the same time, that such instruction lacks interest to the best pupils because they are already familiar with the subjects, and knowing, secondly, that it is too difficult for the least advanced pupils, for the reason that they lack the insight which a half-year's more



study has given to the pupils of average advancement. City schools, village schools, and rural schools that grade their pupils with intervals of a year between the classes are to be criticised chiefly for this fault. They are called 'stiflers of talent' because they do not provide sufficient work for the ablest and brightest pupils, and keep them marking time with the less advanced pupils. Moreover, they discourage the slower pupils by requiring more work from them than they can accomplish.

"The best city grading is 'flexible' and 'elastic' because the intervals between classes are small—only ten or twenty weeks. It is easy to promote the brightest pupils over such a small interval. When they begin to show a power to do a much larger amount of work than the majority of the class, they will find it possible to keep up with the average of a higher class.

"All schools at work need constant readjustment of classification, and this can be made when the intervals between classes are at their minimum. Thirty classes between the first year and eighth year are possible in large schools in cities. That all cities do not avail themselves of this possibility is one of the most serious defects in American school supervision.

"It is a terrible arraignment of the schools graded on the one-year interval plan to accuse them of stifling talent in the bright pupils and of discouraging the dull pupils until they lose their self-respect. The old ungraded school did not commit this error of destroying the habits of industry in bright pupils by yoking them with dull ones, or destroying the self-respect of the dull ones by constantly provoking comparison between them and their companions unequally yoked with them."

### PLAYGROUNDS.

In June the Board of Aldermen committed to the School Committee the expenditure of the unexpended balance of an appropriation of \$1,000 for playgrounds. Formerly whatever money had been appropriated for this purpose had been expended under the direction of the City Engineer. When the change was made there was to the credit of this account \$911.72. The playgrounds of the city were conducted during the season of 1909 under the joint control of the City Engineer and the Playgrounds Association of the City of Somerville, the latter being a private organization formed for the purpose of fostering the playground movement. This association raised a considerable sum to help carry on the work during the season of 1910. When the expenditure of the appropriation made by the Board of Aldermen was entrusted to the School Committee, plans for some of the activities of the playgrounds had already been determined. Supervisors had been engaged and

the places where supervised play should be carried on had been selected. Under these conditions the part remaining for the School Committee was to co-operate in the wisest way in carrying into successful operation the plans already laid out.

A committee of the School Board was formed for this purpose, with the Superintendent of Schools as its executive officer. Under this organization the playgrounds were conducted during the months of July and August. Supervised playgrounds were established in ten places. In charge of these grounds were five men and ten women; one woman was employed as supervisor of the playgrounds for girls, and one man as a director of the playgrounds for boys. The plan of conduct was to have playgrounds open every week-day except Saturday from nine to twelve in the morning and from two to four in the afternoon. Organized games were conducted on all the playgrounds. Some manual occupations, consisting of sewing, basket making, and weaving, were provided for the girls and small boys. Some of the apparatus for the boys' grounds was installed by the labor of the boys. At intervals classes both of boys and of girls were taken to the bathing beach for instruction in swimming, and occasionally excursions were made by the children of the playgrounds for girls and small boys. On these occasions the teacher accompanied the children and had charge of their doings.

The season was brought to a close with an athletic meet held on Broadway Athletic Field. Competitive games, races, and athletic events were held, in which representatives of the various playgrounds participated.

Attendance upon the playgrounds is dependent upon the interest which the conduct of that playground rouses in the children of the neighborhood. This interest in turn is dependent upon the ability and energy of the supervisor in charge of the playground. As the supervisors employed this year were in the main competent, the playgrounds attracted a good attendance and maintained considerable interest throughout the season. It was the aim of the administration on all of these grounds to make the activities of the playgrounds orderly and of value to the children, and good conduct was required of all those who made use of the grounds under the control of the supervisors. Smoking was strictly forbidden. As a result of the hand work, the girls had considerable practice in sewing, and acquired some skill in the various forms of work taught. In these playgrounds the children were provided with centres of interest, were kept off the street, were given wholesome occupation and directed exercise, all of which contributed to their welfare and to their happiness throughout the summer.

The money spent under the control of the School Board was applied mainly to the purchase of permanent equipment,

but a small proportion of it was used for material needed for the hand work of the children. Four of the men supervisors were paid out of this fund. It is estimated that the total attendance upon the playgrounds for the whole session is equivalent to 55,000 half-days.

### RECAPITULATION.

This has been a year of activity in the management of school affairs. Serious problems have been considered with great care, and changes of great importance have been made. By bringing these events together in tabular form, their scope and significance can be better appreciated. In order of time they are as follows:—

January 31—School Board increased the membership of the Committee on Industrial Education from three to five members.

By order of the Board, the Superintendent of Schools was requested to attend the convention of the department of superintendence of the National Education Association at Indianapolis, Ind.

February 21—The School Board increased the duties of the Committee on Medical Inspection by adding thereto the subject of school hygiene.

The offer of the dentists of Somerville to give their services in the treatment of poor children was accepted, and a dental dispensary authorized to be located in the Proctor School.

Authority was given to the Somerville Playgrounds Association to invite the co-operation of the pupils and teachers of the public schools in the maintenance of playgrounds during the summer vacation.

March 28—The Text-Book Committee recommended that the curriculum for the elementary schools be changed from nine to eight years in duration; that the age of admission to the first grade be six years, and to the kindergarten five years; and the School Board adopted the report by unanimous vote.

Two hundred forty-three of the grade teachers asked that their salaries be increased \$50 annually until a maximum consistent with the high standards of our schools be reached.

April 14—The Finance Committee of the Board of Aldermen gave a hearing to the Committee on Additional School Accommodations, at which the need of the schools was set forth by the committee and by the Superintendent of Schools.

April 25—The School Board adopted the rule to put into effect the change in the length of the school curriculum.

April 26—A chorus of 600 boys and girls from the Latin and English Schools rendered the oratorio of "Elijah," under the direction of S. Henry Hadley, before a large audience at Symphony Hall. This presentation gave great pleasure and satisfaction to all the friends of the schools, and won strong praise from musicians of highest standing.

May 19—A joint meeting of the School Committee and the Board of Aldermen, held for the purpose of electing a member of the School Committee from Ward Six, successor to Dr. Pote, resigned, resulted in the election of Mrs. Mary R. Brewer.

May 23—The School Committee passed a resolution favoring the appropriation by Congress of the sum of \$75,000 to provide additional field force for the United States Bureau of Education.

The Board adopted an order to provide for the classification and assignment of first-grade pupils under the new rule, and to make such re-assignment of first-grade teachers as would be necessary to provide places for first-grade teachers who would be affected by the lessening of the number of first-grade classes.

The School Board authorized the Superintendent to attend as its delegate the Playground Congress to be held in Rochester June 4 to 10.

June 1-4, inclusive, an exhibition of drawing and manual training, including sewing, was held in the Latin High School hall. In the variety of the work exhibited, in its excellence, and in the effectiveness of the plan of display, this exhibition won the praise of all who saw it.

June 27—On account of the crowded conditions in the high schools, the Board adopted a plan, to go into effect at the beginning of the next school year, providing for two sessions daily for the English High School and a lengthened session for the Latin School.

The Board authorized the establishment of an industrial school for boys in the Davis School building; the establishment of an industrial school for girls; and the introduction of cooking as part of the school curriculum for girls.

A Committee on Playgrounds was authorized.

The establishment of an atypical class for sub-normal children was authorized.

September 13—A trip of inspection of school premises was made by the School Committee, in company with the Board of Aldermen.

September 20—An informal meeting of the School Committee and the Board of Aldermen was held in the aldermanic chamber, at which it was voted to take additional land ad-

jaacent to the Carr School, in the rear of the Hodgkins School building, and a tract of land for a large grammar school building on Clarendon Hill.

September 26—Voted to discontinue the evening school at the Prescott building.

Voted to establish a Committee on Vocational Guidance, to consist of a member of the School Committee, the Superintendent of Schools, a member of each high school, one from the elementary schools, one from the evening high school, and one from the evening elementary schools.

October 31—The Committee voted to continue the dental dispensary during the present school year.

Committee passed a resolution asking for increase in the window surface in certain school buildings, and sent the request to the Board of Aldermen.

Committee voted to send the Superintendent of Schools and a member of the Committee on Industrial Education as delegates to the fourth annual convention of the National Society for the Promotion of Industrial Education, to be held in Boston November 17-18.

November 28—The Board adopted the recommendation of the Committee on Text-Books providing for semi-annual promotions in all the schools, and for admission to the kindergarten and first grade in February.

The Board petitioned the Massachusetts State Board of Education to establish in the city of Somerville an independent day school for the industrial training of boys over fourteen years of age, to be located in the Davis School-house.

The Board appointed an advisory committee of five for the industrial school for boys.

December 8—The Board of Aldermen of Somerville passed a resolution authorizing the School Committee to establish an industrial school for boys and an industrial school for girls.

December 15—Also an order appropriating money for additional window surface in all buildings wherein there is deficient light.

December 9—The Massachusetts State Board of Education approved the industrial school for boys in the Davis School building.

**Conclusion.** The year has been one of harmonious cooperation of all branches of the school service. Teachers and principals have been faithful and loyal in their work, and I commend them heartily. The members of the School Committee have given freely of their time to advance the interests of the schools. From these sources has come a year of successful

work. In expressing this deserved tribute to the School Committee for the time and labor which they have given to the schools during the year, I want to add, also, acknowledgment of my indebtedness to them, individually and collectively, for unfailing help and encouragement.

Respectfully submitted,

CHARLES S. CLARK,  
Superintendent of Schools.

December 30, 1910.

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At the meeting of the School Board held June 27, 1910, the following resolutions were adopted:—

Resolved: That, in the untimely death of Miss Grace F. Mulcahy, the schools have lost the services of a devoted and able teacher, and that this Board conveys hereby to the friends of the departed teacher its sincere sympathy.

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## ORGANIZATION OF SOMERVILLE SCHOOLS.

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Information concerning our schools is frequently sought by citizens or by educators in other localities. Following are the principal facts concerning them:—

**Kindergartens.** The city supports four kindergartens, in the Hanscom, Bennett, Baxter, and Glines Schools. Vaccinated children between five and six years of age are admitted to the kindergarten nearest their residence during the months of September and February, and may remain until the July following their sixth birthday. Sessions from 9 to 11.45.

Head kindergartners receive \$600. One trained assistant is allowed when the number exceeds thirty, at a salary of \$275, \$350, or \$425, according to experience. Kindergarten teachers give five hours daily to their work, the afternoon being employed in visitation, preparation, mothers' meetings, and the like.

**Primary Schools.** Our elementary school course covers nine years, the first three of which are spent in primary schools. We have one exclusively primary school building, the eighty-three primary classes being distributed among twenty-three schoolhouses.

Vaccinated children six years of age, or who will reach that age on or before the first day of October, are admitted during the month of September, and any children six years of age or who will attain that age before March first are admitted during the month of February, provided they have never attended school before. Children able to enter existing classes will be admitted at any time. Applications for admission should be made to the principal of the school.

Only trained or experienced teachers are employed, the salaries being \$300, \$375, \$450, \$525, \$600, \$650, or \$700, according to length of service. Normal training is equivalent to a year's experience, and experience in other places may be counted in determining salary.

Teachers of any grade, with classes numbering fifty, are allowed an assistant at the option of District Committees, who is paid \$200, \$275, \$350, or \$425, according to years of service.

**Grammar Schools.** The grammar grades are found chiefly in twelve large buildings, of twelve or more rooms each. The course covers six years, and includes only those studies which the statute requires, with the addition of music, sewing, elementary science, and sloyd manual training in the four upper grades.



The salaries of grammar school teachers are the same as those of primary teachers. Masters are paid \$1,900, and their assistants \$775. Other ninth-grade teachers are paid \$725. Principals of smaller schools receive \$775, \$825, \$900, \$950, or \$1,000.

**Promotions.** Promotions in all grades, from the first to the thirteenth, are made in February and June by the regular teacher and the principal, with the approval of the Superintendent and District Committee. They are based on the estimate of the pupil's daily work made by the teacher and recorded bi-monthly. An occasional brief, unannounced, written test is a factor in this estimate.

Where there is reasonable doubt of a student's fitness, he may be promoted on a trial of three months. In such cases the parent is notified and kept informed of his child's progress. At the end of this probationary period he may be returned to his former grade, provided it seems for his interests. In 1910 3.7 per cent. of those promoted on trial fell back.

Children capable of more rapid advancement may be promoted one or more grades at any time. Seventy-two were thus promoted in 1910.

Fitness for graduation or for admission to the high schools is determined in precisely the same way. Diplomas are given in grammar and high schools to those who have satisfactorily completed full courses.

**Latin High School.** In September, 1895, in the forty-third year of its existence, the Somerville High School was divided, the classical, or college preparatory, departments remaining in the old building, erected in 1872, and the English departments occupying a new building, erected in 1894-'95.

Some facts concerning the Latin School are presented in the following table:—

School Year.	Average Number Belonging.	Number Entering.	Graduates.	Cost of Instruction.	Per Capita Cost.	Teachers.	Pupils to Teacher.
1895-6	257	69	50	\$11,702	\$45.57	9	28.6
1896-7	262	81	51	11,840	45.19	9	29.1
1897-8	273	86	55	11,921	43.67	9	30.3
1898-9	264	78	51	11,935	45.21	9	29.3
1899-0	245	65	48	12,491	50.98	9	27.2
1900-1	271	104	56	12,676	46.74	9	30.0
1901-2	314	114	56	12,583	40.13	10	31.4
1902-3	358	125	46	14,170	39.58	11	32.5
1903-4	398	122	73	16,104	40.46	13	30.6
1904-5	411	138	76	16,566	40.31	13	31.6
1905-6	431	135	81	16,991	39.42	14	30.8
1906-7	425	122	75	19,243	45.20	15	28.5
1907-8	471	160	94	19,663	41.79	15	31.4
1908-9	494	158	91	20,403	41.27	15	33.0
1909-10	558	209	94	20,453	36.69	16	34.9

The object of the school is, primarily, to furnish a suitable preparation for those pupils who desire to pursue either a regular or a special course of study at higher institutions of learning, but the school is open to all pupils who wish to take the courses of study offered.

The regular time for completing the course is four years. Pupils, at the request of their parents, can make the work of each year easier by taking five years for the course. Those who are capable, and have good reason for shortening the time of preparation, are allowed to complete the course in as short a time as their ability will permit.

Graduates of grammar schools are admitted to either high school on presenting a certificate of qualification signed by a master. All other pupils are admitted by an examination in grammar school studies, given usually on the day preceding the opening of the schools in September.

The tuition for non-residents is the per capita cost for the year, payable in advance. The sessions of the school are from 8 to 2. The salaries paid high school teachers range from \$900 to \$1,200 for women and from \$1,000 to \$3,000 for men.

**English High School.** This school was organized in September, 1895. Information concerning it is found in the following table:—

School Year.	Average Number Belonging.	Number Entering.	Graduates.	Cost of Instruction.	Per Capita Cost.	Teachers.	Pupils to a Teacher.
1895-6	456	213	67	\$20,102	\$44.13	21	21.7
1896-7	531	235	70	23,010	43.33	21	25.3
1897-8	535	224	75	24,843	46.44	22	24.3
1898-9	575	231	86	26,159	45.49	23	25.0
1899-0	669	316	83	31,322	46.82	27	24.8
1900-1	691	249	97	32,739	47.35	30	23.0
1901-2	738	294	108	35,989	48.74	34	21.7
1902-3	747	264	135	36,843	49.32	33	22.6
1903-4	728	264	106	36,426	50.04	33	22.1
1904-5	784	339	135	39,634	50.56	33	23.8
1905-6	893	378	127	39,823	44.60	35	25.5
1906-7	994	402	148	42,862	43.12	39	25.5
1907-8	1,060	457	141	47,228	44.55	42	25.2
1908-9	1,122	476	174	48,682	43.38	43	26.0
1909-10	1,160	454	173	48,802	42.06	43	27.0

The course of study covers four years. Graduates are admitted to special courses when the conditions are favorable. Candidates for technical and normal schools take specific preparatory work.

The sessions are from 8 to 11.55, and from 12.30 to 4.15.

Concerning admission, etc., see Latin School.

A simple, healthful, inexpensive lunch is served at the recess midway of the session to pupils desiring it.

**Manual Training.** Three rooms are fitted and equipped in the basement of the English High School for its manual training department. The course includes carpentry, wood-turning, and carving, clay modeling, pattern making, moulding, and casting. A fourth room is devoted to mechanical drawing, with a full course. Manual training has been extended to include the eighth and ninth grades in the grammar schools, two centres having been established with twenty-five sloyd benches each.

The men in charge of the manual training department are paid \$1,900, \$1,400, and \$1,300.

**Sewing.** Sewing is taught to the girls in the fifth, sixth, seventh, and eighth grammar grades in weekly lessons of about one hour each.

Four special teachers are employed, three at salaries of \$700, and one at \$600.

**Music.** Instruction in music is given exclusively in the high schools and in part in the three upper grammar grades by a specialist, who is paid \$1,700. The books used are "The Euterpean," "The Cecilian Series of Music and Song," Nos. 1, 2, 3, and 4, "The Laurel Song Book," and the "Laurel Music Reader."

In the six lower grades musical instruction is given by the regular grade teacher, under the supervision of a specialist, who visits each class once every fifteen days. She is paid \$1,000. The Normal System of Music, with its books and charts, is used.

**Gymnastics.** In elementary grades the Ling system of Swedish gymnastics is practiced daily. No special teacher is employed.

**Recesses.** The Latin School has two brief recesses, breaking the daily sessions into thirds. The English School has a twelve-minute recess at 10.16 for the morning session, and a twelve-minute recess at 2 for the afternoon session.

The elementary schools have a recess of ten minutes midway of the morning session. The first three grades of the elementary schools have a recess of seven minutes midway of the afternoon session, which may also be given in the higher grades at the discretion of the principal.

No detention of pupils is allowed at noon or at recess, and but a half-hour's detention at the close of the afternoon session, "for wilful neglect of duty only."

**Corporal Punishment.** Corporal punishment, "which includes any infliction of physical pain or application of physical force," is not prohibited. It must, however, not be adminis-

tered until twenty-four hours after the offence, the approval of the principal being first obtained. Each case must be reported in detail to the Superintendent. There were 326 cases in 1906, 314 in 1907, 318 in 1908, and 292 in 1909.

**Drawing.** Two teachers of drawing are employed in the English High School at salaries of \$1,000 and \$900. In that school freehand drawing is compulsory for first-year pupils, and elective for all others. Drawing is not taught in the Latin School. A few Latin School pupils take drawing in the English School.

In the primary grades daily lessons, and in the grammar grades semi-weekly lessons are given by the regular teacher, under the direction of a supervisor, who visits each class once a month.

The course includes pictorial drawing from nature, models, and objects; structural drawing from type solids; decorative drawing, designing, and color work, historic ornament and picture-study. No drawing books are used. Colored crayons are provided in primary grades, and water-colors and brush in grammar grades.

**Penmanship.** Intermedial slant writing is taught in the elementary schools, the Whitehouse system being used. The supervisor visits each class once in four weeks, and receives \$1,500.

**Cadet Teachers.** Provision has been made for the employment in the elementary schools of not exceeding twelve "Cadet teachers," at a salary of \$200 each. One such teacher is at work at the present time.

**The Public Library.** The English School has a working library of 1,700 volumes, but it draws constantly on the public library, located in an adjoining building.

For many years there has been a constant use of the library by school children. One hundred and sixty-five circulating libraries of fresh books are in use in the smaller buildings. As far as they can, the teachers guide in the selection of books by the children, and the librarian and his assistants cheerfully render all the help in their power.

**Evening Schools.** An evening high school is maintained in the English High School building on three evenings a week, from 7.30 to 9.30. The principal is paid \$6, and his assistants \$4, \$3, \$2, and \$1.50. Any high school study, and freehand and mechanical drawing, may be pursued.

Elementary evening schools are open in the Bell and Highland buildings from October 1 on four evenings a week, from 7.30 to 9.30. The length of the term is dependent on the in-

terest and attendance. The course of study followed is that prescribed by the Statutes. Principals receive \$3 or \$4, and assistants \$2, \$1.50, or \$1 each evening.

**Truants.** The city employs one active truant officer, who is paid \$1,250. Truants are sent to the county truant school at North Chelmsford. There are now fourteen truants from Somerville in the school.

**Janitors.** These important officers are appointed by the Commissioner of Public Buildings, and are under his direction and that of the school principal.

**Supervision.** The Superintendent of Schools is the executive officer of the Board, and upon him devolves the general management of the schools under its direction. He serves as the secretary of the Board and as supply agent. His salary is \$3,000, and he is allowed three clerks, who receive \$1,300, \$750, and \$600. His office is in the City Hall Annex, and his hours are from 4 to 5 each school day, and from 8 to 9 on Saturday. His office is open from 8 to 5 on school days, and from 8 to 10 on Saturdays.

The meetings of the School Board are held on the last Monday evening of each month, except July, August, and December, at 8.15 o'clock.

**SOMERVILLE TEACHERS' ASSOCIATION.****OFFICERS, 1910-1911.**

President, Charles T. Murray.

Vice-President, Ernest R. Hager.

Secretary-Treasurer, Lena F. Shaw.

Executive Committee:—

Superintendent Charles S. Clark, *ex-officio*.

George M. Hosmer, Latin High.	Elizabeth S. Clement, Forster.
William W. Obear, English High.	Harry F. Hathaway, Bingham.
Clara Taylor, Prescott.	Pearl F. Dame, Carr.
Frances E. Robinson, Hanscom.	Blanche E. Thompson, Morse.
Bertha M. Martindale, Bennett.	Ella P. McLeod, Proctor.
Eleanor A. Connor, Baxter.	Bessie I. Sutton, Durell.
Clara B. Parkhurst, Knapp.	Alice E. Morang, Burns.
Catherine E. Sweeney, Perry.	George I. Bowden, Brown.
Edith A. Maxwell, Pope.	Grace M. Clark, Highland.
Mary F. Osborne, Bell.	Katherine M. Fox, Hodgkins.
Fannie L. Gwynne, Cummings.	Almena J. Mansir, Lincoln.
Lillian Nealley, Edgerly.	Clara G. Hegan, Lowe.
Mary E. Northup, Glines.	

The meetings held under the auspices of this association in the year 1910 were as follows:—

- January 27—Professor P. P. Claxton, of the University of Tennessee.  
Subject: "The Place and Function of the High School."
- March 10—Hon. Elmer A. Stevens, treasurer of the commonwealth of Massachusetts. Subject: "Massachusetts Penal and Charitable Institutions."
- April 14—Charles F. F. Campbell, of the Massachusetts Commission for the Blind. Subject: "What Massachusetts Is Doing for Her Blind Along Professional, Educational, and Industrial Lines."
- October 26—Charles J. Glidden. Subject: "The World and Its People as Seen from a Motor Car" and "The A B C of Ballooning."
- December 15—Kiyo S. Inui. Subject: "The East versus the West."

**SOMERVILLE TEACHERS' CLUB,****OFFICERS, 1910-1911.**

President, Miss Grace E. W. Sprague.

Vice-Presidents, { Miss Bertha P. Marvel.  
                          { Miss Elizabeth J. O'Neil.

Recording Secretary, Miss Marion Crawford.

Corresponding Secretary, Miss Mary S. Richardson.

Treasurer, Miss M. Katherine Davis.

**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 11—Reading, "Caponasacchi's Story from 'The Ring and the Book,'" Mrs. Marion Craig Wentworth. Violinist, Rupen Eksergian.
- January 26—Guest night. Organ recital, Henry T. Wade. Readings by Charles Follen Adams, Miss Florence Converse, Nixon Waterman, Miss Helen Leah Reed, Sam Walter Foss. Reception, banquet, dancing.
- February 8—Illustrated lecture, "Ceylon," Miss Mabel Cummings. Soloist, Mrs. Alice Clement Fruitt.
- March 8—Chafing-dish supper.
- March 22—Haydn string quintette.
- April 12—Lecture, "Whistler," Ross Turner. Soloist, Mrs. Edna S. Nickerson.
- May 31—Annual business meeting.
- October 10—Musical. Reception to officers.
- November 8—Lecture, "Our Energies," Dr. Edward Cole. Piccolo soloist, Dr. Bowditch. Miss Irene Osborne, accompanist.
- December 13—A Christmas and White Elephant party. Games, orchestra, dancing.

## HISTORY OF THE INDUSTRIAL SCHOOL FOR BOYS, SOMERVILLE, MASS.

At the meeting of the School Board held December 31, 1909, the following was adopted:—

After careful consideration of the subject in its various relations, we are convinced that provision should be made for industrial education as a part of the public school system of Somerville.

We therefore recommend that there be included in the estimate for the schools in 1910 a sum sufficient to make possible a beginning in industrial training.

No sum of money was appropriated at the beginning of the fiscal year by the Board of Aldermen specifically for the purpose of establishing industrial education, but the School Committee continued its investigation of the subject until June, when, at the meeting held on June 27, it adopted a recommendation as follows:—

To establish a school for vocational training at the Davis School building, with three teachers, one of whom shall act as principal; and to extend the supervision of Frederick O. Smith over this school, with an increase of salary for next year of \$100.

To establish industrial classes for girls, not to exceed four instructors.

It also voted to distribute the pupils attending school in the Davis Schoolhouse and to use that building as the place for an industrial school for boys. To carry into effect the purpose expressed in this action of the School Committee, it was decided to open an industrial school for boys in the Davis Schoolhouse in September with instruction in two basic industries, wood working and iron working. The Davis Schoolhouse was selected because of its adaptability for this use, its accessibility from all parts of the city, and the possibility of its extension because of the large lot of land surrounding the building. \* This is a wooden schoolhouse of two stories and a basement, containing four large rooms, with wide hallways, and having an abundance of light. The building is strongly constructed, and is suitable to carry an equipment of machinery sufficient for an attendance of forty to sixty pupils.

An equipment has been installed, consisting of the following:—

In the metal shop:—

6 lathes about 14" x 6'.

1 planer 22" x 22" x 5'.

1 shaper.

1 universal milling machine.

1 drill press 25" swing.

Adequate tool equipment and provision for eight pupils in bench work.







INDUSTRIAL SCHOOL FOR BOYS, WOOD-WORKING BENCH ROOM.

In the wood shop:—

Three machines equipped with the usual devices, as follows:—

1 universal saw table.

1 band saw.

1 surfacer.

Adequate provision for twenty pupils in bench work.

Three instructors have been secured expressly for this school: One, a principal, who will have direct charge of the shop work in metal, a teacher who will have direct charge of the shop work in wood, and a teacher who is competent to give elementary instruction in either branch. These teachers have all been selected because they are thoroughly versed in their trades, and have sufficient academic preparation to enable them to teach related studies.

A school day of six and a half hours has been adopted. A course of study has been put into operation which, while embodying the main principles upon which the school is to be conducted, is nevertheless tentative in nature and subject to revision as a result of conferences with the state board.

An advisory committee, composed of men representing both trades, has been appointed, and has been in conference and has approved the plans and course of study herein referred to.

At the meeting of the School Board on November 28, 1910, the following was passed by unanimous vote:—

Ordered: That the Massachusetts State Board of Education be, and hereby is, requested to establish in the city of Somerville, beginning with September 1, 1910, an independent day school for industrial training of boys over fourteen years of age, said school to be conducted by the Massachusetts State Board of Education through the School Committee acting as its agent, in accordance with the provisions of Chapter 505 of the Acts of 1906, or any amendments thereto; the proposed school to be located in the Davis Schoolhouse, Tufts street; the course of study to be of two years' duration, with the possibility of extension to four years, to include training in metal work and wood work, shop and business English, mathematics, drawing, spelling, industrial history, current events, and civics; and the methods and order of instruction to be as close an approximation to actual shop conditions as possible and desirable.

On December 8, 1910, the Board of Aldermen of the city of Somerville passed the following resolution, which was approved by the Mayor on December 9, 1910:—

Resolved: The Board of Aldermen of the city of Somerville hereby authorizes and approves the establishment and maintenance of an independent industrial school for boys and of an independent industrial school for girls by the School Committee of the city of Somerville.

In reply to the petition of the School Committee, the following letter was received from the Commissioner of Education:—

The Commonwealth of Massachusetts,  
 State Board of Education,  
 Ford Building, Boston,  
 December 13, 1910.

Mr. Charles S. Clark,

Superintendent of Schools, Somerville, Mass.:—

My dear Mr. Clark: At the regular monthly meeting of the State Board of Education, held December 9, the following vote was passed:—

Voted: That the State Board of Education approve, under the authority vested in it by the laws of the commonwealth, the proposed independent industrial school in wood working and metal working as organized by the School Committee of Somerville, in accordance with memoranda submitted in the month of November, 1910, that the Board instruct the commissioner to said School Committee that the location, courses of study, and methods of instruction, if carried out as submitted, will be approved by the Board for the first year, without prejudice on the part of the Board to a subsequent revision of its views as to the proper courses and methods of instruction; and that the Board appoint the members from time to time of the Somerville School Committee its legal representatives for the maintenance of said school.

Yours very truly,

(Signed)

DAVID SNEDDEN.

### REPORT OF ATYPICAL CLASS.

December 15, 1910.

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

Dear Sir: On the 26th of September a class for atypical children was opened in the Bell School. This class was designed to meet the needs of such children as could gain but little, if anything, under the regular instruction in a class of the usual size. Twenty-one pupils have been enrolled in the class, but as several proved to be merely backward, not atypical, they were taken back into their respective grades, and their places were given to others more markedly atypical. The class now numbers sixteen.

As most of the pupils have a long distance to come, the class holds but one session daily, from nine to one. This time is divided among mental work, motor activity (gymnastics, plays, and games), and manual work. As mental effort is more fatiguing to these children than to the normal child, the periods must be short and alternate with muscular activity and recreation.

Mental progress is in most cases slow, but by patient effort to discover at just what point the child's growth has been arrested, and by the giving of work suited to the child's ability, some progress can be made by each one, and in a few cases the improvement is most gratifying.

The very first thing to be done is to waken in the child the dormant consciousness of power. He has in most cases



INDUSTRIAL SCHOOL FOR BOYS, WOOD-WORKING MACHINE ROOM.



been so long in competition with others more generously endowed than himself, who did, as a matter of course, work which he could not by any possibility do, that he has naturally lost all faith in his own ability. To work under such conditions would surely benumb the energies of adults. But under changed conditions, given work which he finds he is able to do, the child's interest is aroused, and his pride and pleasure when he finds that he, too, can get 100 per cent. in his arithmetic and his spelling are worth seeing.

The progress in hand work is more readily apparent, and as the future success and happiness of these children depend so largely upon their ability in this direction, its importance is also apparent. The work includes the braiding and sewing of raphia into simple articles, weaving, spool knitting, sewing, crocheting, paper and cardboard construction, etc. At present the class is taking up reed basketry, and is doing really creditable work. Later it is proposed to add raphia basketry, chair caning for the older boys, and some bench work.

These children are capable of being trained to become at least partially, and in some cases wholly, self-supporting, and so lead useful and contented lives, instead of becoming public charges. Therefore, even from a purely economic standpoint, this work is worth while.

Respectfully submitted,

MARY A. HOLT,

Teacher of Atypical Class, Bell School.

#### **Examples Showing the Individual Nature of the Work.**

J. L., a boy of nine, did not talk when he first entered the class; would shake or nod his head, or make signs, instead of speaking. He did not know the alphabet, and could neither read nor spell. He could not combine numbers to five. He has learned about fifteen words by sight, and is reading in the primer. He has learned combinations of numbers to five, and the first four letters of the alphabet. He is beginning to talk, and while he does not yet speak plainly, he pronounces words very well when I show him how to make the sounds.

A. Y., a boy of thirteen from the fourth grade, could read only the easiest second-grade matter. Spelling seemed beyond him, and he appeared to feel that it was of little use for him to try. Given only five words, with oral drill upon them, he now usually writes the five correctly. The phonic drill is having a good effect upon his reading. He has developed considerable manual skill, and has made two baskets with woven bases that are very creditable.

F. B., a girl of ten from the fourth grade, was extremely deficient in number. She had no manual skill; everything she tried to make was a failure, and her sewing was like that of

a child of four. She could not weave a simple over-one-and-under-one pattern with splints. She now adds correctly examples of four columns, and is doing a little work in subtraction. She can not only weave correctly with splints, but has lately woven, very neatly, a little bag of raphia on a cardboard loom, and has made a cloth lining for it with quite passable stitches. It is to be a Christmas present for her little sister, and she is very happy over her achievement.

L. V., a boy of fifteen from the fourth grade, knew a few short words at sight, but could not spell at all, could not combine numbers to five, and could not write his own name legibly. He liked to try to put picture puzzles together, but could not do the simplest ones correctly, and after trying a few minutes, would pettishly throw the pieces back into the box. He seldom spoke, preferring to make signs. He sometimes made uncouth, guttural noises, with no apparent reason. The eye test showed his eyesight to be very defective, and when, upon urgent request, he was fitted to glasses, his improvement commenced. The difficulties of the picture puzzles he has overcome, one by one. Instead of aimlessly laying the pieces about, he now compares each piece, as he takes it up, with the others before he tries to fit it in, showing an increased perception of form, and ability to compare. He is now weaving a basket on a wooden base, and doing it very well. I hope soon to see an improvement in number. He is reading the story of "Jack the Giant Killer," in simple words, and enjoys it. He talks much more of late.

L. A., a boy of thirteen from the fourth grade, has not done any work in reading or spelling for three years, and but little in number. He is extremely irritable and obstinate, his fits of sullenness sometimes lasting a couple of hours or more. If he is not noticed he comes out of them gradually and is rather docile and good-tempered, but any attempt at coercion would make him very ugly. He is learning subtraction, and appears gratified at his progress. In spelling he is given three words as his lesson. Oftener than not he misses one or more, but that he is willing to try at all to spell marks a new era for him. He sometimes succeeds in spelling the three correctly, and is proud of the stars that stand for perfect lessons after his name on the blackboard.



**REPORT OF THE TRUANCY DEPARTMENT.**  
**Comparative Statistics.**

	1909.	1910.	Change.
Number of cases investigated . . . . .	1,185	1,600	+315
Number of cases found to be truancy or absenteeism . . . . .	265	296	+31
Number of different pupils who were tru- ants or habitual absentees . . . . .	201	219	+18
Number who were truants for the first time Number who were truants for the second time . . . . .	....	142	....
Number who were truants for three or more times . . . . .	....	35	....
Number of girls who were truants or absen- tees . . . . .	....	118	....
Number of truants from the high school . . . . .	14	19	+5
Number of truants or absentees from the public schools . . . . .	5	5	....
Number of truants or absentees from the parochial schools . . . . .	148	115	-33
Number of complaints to the court for tru- ancy . . . . .	53	104	+51
Number placed on probation by the court . . . . .	6	11	+5
Number committed to the County Training school . . . . .	4	9	+5
Number of complaints made to the court for illegally keeping children out of school . . . . .	2	3	+1
Number of convictions secured for illegally keeping children out of school . . . . .	....	1	+1
Number of visits to the schools . . . . .	....	1	+1
Number of visits to the homes . . . . .	787	617	-170
Number of cases of parental neglect of children found and reported to chari- table institutions . . . . .	953	1,561	+608
Number of cases of removal of children from the custody of parents by order of the court . . . . .	....	15	....
Number of visits to mercantile or manufac- turing establishments . . . . .	....	5	....
Number of minors found to be working with- out age and schooling certificates . . . . .	....	26	....
Number of age and schooling certificates is- sued to boys . . . . .	....	28	....
Number of age and schooling certificates is- sued to girls . . . . .	179	277	+98
Number of certificates of literacy issued to minors over 16 years of age . . . . .	178	204	+26
Number of transfer cards investigated . . . . .	....	124	....
Number of truants in the training school at the close of the year . . . . .	892	975	+83
Amount paid for board of truants . . . . .	14	13	-1
Salaries of the Truant { Benjamin R. Jones . . . . .	\$791.56	\$618.28	\$173.28
Officers { Jairus Mann . . . . .	....	1,250.00	....
	....	50.00	....

TABLE OF TRUANCY BY AGES AND GRADES.

GRADE.	BY AGES.											Totals.
	6	7	8	9	10	11	12	13	14	15	16 or Over	
I. . . . .	3	2	..	..	..	..	..	1	..	..	..	6
II. . . . .	1	10	8	8	3	..	..	1	..	..	..	31
III. . . . .	..	..	8	9	9	4	2	..	..	..	..	32
IV. . . . .	..	..	2	10	8	15	7	7	..	1	..	50
V. . . . .	..	..	..	4	5	12	22	9	2	..	..	54
VI. . . . .	..	..	..	..	..	7	15	12	4	..	..	38
VII. . . . .	..	..	..	..	..	2	10	16	12	4	..	44
VIII. . . . .	..	..	..	..	..	..	2	4	8	6	4	24
IX. . . . .	..	..	..	..	..	..	..	1	2	1	..	4
X. . . . .	..	..	..	..	..	..	..	..	..	1	3	4
XI. . . . .	..	..	..	..	..	..	..	..	..	..	1	1
XII. . . . .	..	..	..	..	..	..	..	..	..	..	1	1
Ungraded . .	..	..	..	..	..	..	..	..	2	5	..	7
	4	12	18	31	25	40	58	51	30	18	9	296

## Number of Truancies by Schools.

School.	No. of Truants.
1. Latin . . . . .	1
2. English . . . . .	4
3. Prescott . . . . .	15
4. Hanscom . . . . .	8
5. Bennett . . . . .	21
6. Baxter . . . . .	2
7. Knapp . . . . .	29
8. Perry . . . . .	19
9. Pope . . . . .	13
10. Bell . . . . .	3
11. Cummings . . . . .	1
12. Edgerly . . . . .	1
13. Glines . . . . .	3
14. Foster . . . . .	10
15. Bingham . . . . .	12
16. Carr . . . . .	13
17. Morse . . . . .	6
18. Proctor . . . . .	7
19. Durell . . . . .	3
20. Burns . . . . .	0
21. Brown . . . . .	2
22. Highland . . . . .	6
23. Hodgkins . . . . .	3
24. Lincoln . . . . .	0
25. Lowe . . . . .	3
Industrial . . . . .	7
Parochial . . . . .	104
Total . . . . .	296

**REPORT OF THE STAMP SAVINGS SYSTEM.**

For the past eight years the Associated Charities, with the co-operation of the teachers in the lower-grade schools of Somerville, has conducted a system of practical instruction in the use of money that has met with gratifying results. The principals are supplied with stamp cards at one cent apiece, and with stamps resembling postage stamps in denominations of 25, 10, 5, 3, and 1 cent each. Cards and stamps are sold by teachers, and all receipts are turned over to collectors once a week, or when called for. When a child has accumulated at least a dollar's worth of stamps, he may transfer his card to the Somerville Savings Bank, and become a regular depositor therein. When needed, money in the bank or in possession of the association will be returned on presentation of the book or card. The effort to save on the part of the children, as will be seen by the financial report, is represented by a total of nearly \$73,000. This means that a large number of boys and girls have repeatedly conquered the natural temptation to squander their small coins, and have resolutely laid them by for a purpose, thus gradually developing moral force and forming a habit that is essential to their present and future well-being.

The effort has been carried further by those who have transferred their savings to their own bank accounts, which total over \$40,000 placed at interest in sums of \$1 and upwards; \$27,000 has been withdrawn in cash, considerable of which has been known to have been converted into boots, clothing, and other necessities of life.

The effect on the character of the child who responds to this influence must include an increase of self-respect and self-reliance.

The spirit of generosity so manifest at Christmas, for a good deal is withdrawn at this time, has been carefully directed in at least one or two schools, and the children themselves made happier by each contributing a coin to the work of the Hospital and to that of the Associated Charities.

The annual contribution of from \$9 to \$10 from one school to our work among the poor is a most enheartening gift, and always suggests the ideal method of support of such work, when each individual, instead of the exceptional few, shall feel public-spirited enough to contribute at least a little yearly. That the citizen of to-morrow may be taught this in our public schools of to-day, if not at home, is a part of the hope of the Stamp Savings Committee.

**Stamp Savings Totals.**

	Collections.	Dividends.	Totals.
First year.....	\$15,135.59		\$15,135.59
Second year.....	9,069.80	\$187.75	9,257.55
Third year .....	8,056.80	129.90	8,186.70
Fourth year .....	7,503.01	62.58	7,565.59
Fifth year .....	8,043.48	138.78	8,182.26
Sixth year .....	7,244.01	161.69	7,405.70
Seventh year .....	7,452.67	162.71	7,615.38
Eighth year .....	7,814.82	155.85	7,970.67
October and November, 1910....	2,383.47	90.93	2,474.40
	<u>\$72,703.65</u>	<u>\$1,090.19</u>	<u>\$73,793.84</u>

**Redemptions.**

	Banked.	Cashed.	Total.	Dividends.	Totals.
First year ....	\$8,069.85	\$3,152.46	\$11,222.31		\$11,222.31
Second year ..	6,060.91	2,927.90	8,988.81	\$71.74	9,060.55
Third year ....	4,754.46	3,116.47	7,870.93	48.00	7,918.93
Fourth year ..	4,465.95	2,922.19	7,388.14	61.65	7,449.79
Fifth year ....	4,070.13	3,060.41	7,130.54	85.00	7,215.54
Sixth year.....	4,025.41	3,466.52	7,491.93	50.00	7,541.93
Seventh year..	3,764.77	3,413.46	7,178.23	175.00	7,353.23
Eighth year....	3,715.70	3,774.57	7,490.27	190.00	7,680.27
November and December, 1910	1,200.01	1,213.16	2,413.17	135.00	2,548.17
	<u>\$40,127.19</u>	<u>\$27,047.14</u>	<u>\$67,174.33</u>	<u>\$816.39</u>	<u>\$67,990.72</u>
	Balance	December 1, 1910.....			5,803.12
					<u>\$73,793.84</u>

Total losses, \$265.77.

Cost for eight years, \$994.99.

## SOMERVILLE HIGH SCHOOL ATHLETIC ASSOCIATION.

## Treasurer's Report, 1910.

Balance on hand January 1, 1910.....		\$3,004.31
Basket ball, net receipts.....		41.04
Baseball, net receipts.....		94.33
Football, net receipts.....		3,226.61
Interest accrued .....		34.43
Membership .....		24.00
Score card .....		12.50
		<hr/>
		\$6,437.27
Basket ball expenses.....		\$336.32
Hockey expenses .....		20.25
Baseball expenses:—		
Supplies .....	\$762.37	
Coaching .....	273.00	
Telephone .....	62.45	
Manager's expenses .....	14.25	
Traveling expenses .....	46.60	
Guarantees and visiting teams.....	112.55	
Postage .....	4.52	
Express .....	2.75	
League dues .....	5.00	
Miscellaneous .....	.40	
Printing .....	40.50	
Field .....	96.80	
Treasurer's expenses .....	57.70	
		<hr/>
		1,478.89
Football banquet .....		47.62
Football expenses:—		
Supplies .....	\$835.99	
Coaching .....	350.00	
Telephone .....	41.46	
Manager's expenses .....	16.25	
Traveling expenses .....	94.62	
Guarantees and visiting teams.....	24.10	
Postage .....	33.83	
Express .....	7.20	
League dues .....	10.00	
Miscellaneous .....	13.75	
Printing .....	118.88	
Field .....	324.25	
Treasurer's salary .....	100.00	
Medical attendance and supplies.....	102.89	
Advertising .....	8.15	
Treasurer's expenses .....	84.71	
		<hr/>
		2,166.08
		<hr/>
Balance in Somerville Trust Company January 1, 1911.....		\$4,049.16
		2,388.11
		<hr/>
		\$6,437.27

HARRY L. JONES,  
Treasurer.

**Football Statistics.**

	1909.	1910.
Attendance .....	24,497	22,809
Gross receipts .....	\$11,346.10	\$7,943.70
Gross receipts distributed as follows:—		
Police .....	\$443.00	\$400.00
Field .....	245.00	199.50
Officials .....	410.00	334.90
Printing .....	151.50	76.50
Supplies .....	128.75	44.90
Miscellaneous expenses (visiting teams, ex- penses, labor, etc.) .....	364.27	170.66
Visiting teams, receipts.....	4,802.35	3,490.63
Somerville's net receipts .....	4,801.23	3,226.61
	<hr/>	<hr/>
	\$11,346.10	\$7,943.70

HARRY L. JONES,  
Treasurer.

January 1, 1911.

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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, 1909, by school census.....	12,419
Children between five and fifteen years of age, October, 1910, by school census.....	12,112
Decrease .....	307

**2.—SCHOOL BUILDINGS.**

	1909.	1910.	Change.
Number of school buildings.....	26	26	0
Number of classrooms in use in December .....	286	281	—5
Valuation of school property.....	\$1,443,280	\$1,463,381	+\$20,101

**3.—TEACHERS.**

	1909.	1910.	Change.
In high schools.....	59	63	+4
In grammar schools.....	166	168	+2
In primary schools.....	105	86	—19
In kindergartens .....	8	8	+0
Total in elementary schools.....	279	262	—17
Industrial school.....	0	3	+3
Atypical class .....	0	1	+1
Cadet teachers .....	3	1	—2
Special .....	10	9	—1
Total .....	351	339	—12

**4.—ATTENDANCE FOR YEAR.**

	1909.	1910.	Change.
Entire enrollment for the year.....	15,363	14,481	—882
Average number belonging.....	12,423	12,131	—292
Average number attending.....	11,666	11,435	—231
Per cent. of daily attendance.....	93.9	94.3	+0.4
High school graduates.....	265	267	+2
Grammar school graduates.....	741	743	+2

**5.—ATTENDANCE IN DECEMBER.**

	1909.	1910.	Change.
Whole number attending.....	14,813	13,862	—951
In private schools.....	1,906	1,803	—103
In public schools.....	12,907	12,059	—848
In high schools.....	1,769	1,726	—43
In elementary schools.....	10,931	10,084	—847
In kindergarten .....	207	200	—7
In industrial school.....		33	+33
In atypical school.....	0	16	+16
In first grade.....	1,595	826	—769
In second grade.....	1,404	1,358	—46
In third grade.....	1,346	1,354	+8
In fourth grade.....	1,307	1,269	—38
In fifth grade.....	1,240	1,258	+9
In sixth grade.....	1,199	1,165	—34
In seventh grade.....	1,122	1,067	—55
In eighth grade.....	950	953	+3
In ninth grade.....	759	834	+75



## 6.—COST OF SCHOOL MAINTENANCE.

	1909.	1910.	Change.
Salaries of teachers.....	\$293,209.85	\$292,398.47	\$—811.38
Salaries of officers.....	5,629.17	6,021.77	+392.60
Cost of books and supplies..	21,818.93	26,292.14	+4,473.21
Cost of light.....	4,070.71	6,108.92	+2,038.21
Cost of janitors' services....	26,071.97	25,802.51	—269.46
Cost of fuel.....	14,798.06	14,003.46	—794.60
Telephones .....	550.52	595.36	+44.84
Total cost of day and even- ing schools .....	366,149.21	371,222.63	+5,073.42
Per capita cost.....	29.47	28.67	—0.80
Cost of high school instruc- tion .....	69,084.54	71,597.03	+2,512.49
Per capita cost.....	41.82	42.62	+ .80

## 7.—MISCELLANEOUS.

	1909.	1910.	Change.
Paid for new school buildings .....	\$828.00	0	—\$828.00
Repairs and permanent improvements ....	21,195.13	21,864.11	+668.98
Total school expendi- tures .....	388,172.34	393,086.74	+4,914.40
Valuation of city.....	63,659,201.00	66,376,338.70	+2,717,137.70
Number of dollars spent to maintain schools out of every \$1,000 of valuation .....	5.75	5.59	—0.16
Number of dollars spent for all school purposes out of every \$1,000 of valuation .....	6.10	5.92	—0.18

**Cost of the Schools.** The total amount spent for the maintenance of the schools of Somerville in 1910 is \$371,222.63. 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.....	\$25,802.51
The cost of fuel is.....	14,003.46
The cost of light is.....	6,108.92
The cost of the school telephones is.....	595.36
A total of.....	\$46,510.25
The cost per capita.....	3.59
Cost of repairs.....	\$21,864.11

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 .....		\$6,021.77
Books .....	\$7,963.32	
Stationery .....	6,212.60	
Laboratory and manual training supplies .....	2,726.57	
Bookkeeping blanks .....	311.43	
Writing books .....	438.75	
Maps, charts, etc.....	165.07	
Drawing .....	715.27	
Typewriters and supplies.....	376.90	
Printing .....	1,451.69	
Telephones .....	204.57	
Postage .....	221.75	
Travel .....	189.02	
Expressage .....	121.68	
Bookbinding .....	1,074.11	
Board of truants.....	618.28	
Census .....	203.24	
Kindergarten supplies .....	196.61	
Book covers .....	80.80	
Graduation exercises .....	499.03	
Repairing and tuning pianos.....	17.50	
Tuition for pupils in Boston Trade School for Girls .....	609.82	
Tuition for pupil in Medford school.....	15.00	
Industrial school .....	1,141.58	
Atypical school .....	8.39	
Exhibit manual arts.....	74.04	
Miscellaneous .....	655.12	
Total for school supplies, etc.....		26,292.14
Total outlay on school contingent account.....	\$32,313.91	
Appropriation .....	27,000.00	
Deficiency .....	\$5,313.91	
Received for damage to school property, tuition of state wards, non-residents, etc.....	859.59	
Net deficiency .....		\$4,454.32

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 .....	\$30,144.50
February .....	29,981.75
March .....	29,277.64
April .....	28,683.69
May .....	28,588.56
June .....	28,647.00
September .....	28,226.76
October .....	29,862.00
November .....	29,682.38
December .....	29,304.19
Total .....	\$292,398.47
Amount of appropriation.....	300,000.00
Balance .....	\$7,601.53
Credit .....	13.12
Net balance.....	\$7,614.65

The estimate of the School Board for teachers' salaries amounted to \$299,165. The expenditure was \$6,766.53 less.

The total outlay for all school purposes in 1910 was as follows:—

Care of schoolhouses.....	\$46,510.25
Administration .....	6,021.77
School supplies .....	26,292.14
Teachers' salaries .....	292,398.47
<hr/>	
Total for school maintenance.....	\$371,222.63
Paid for repairs.....	21,864.11
<hr/>	
Total for all school purposes.....	\$393,086.74

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

	1905.	1906.	1907.	1908.	1909.	1910.	
Janitors' salaries ...	\$0.070	\$0.070	\$0.070	\$0.070	\$0.071	\$0.070	
Heat and light....	0.061	0.052	0.057	0.051	0.052	0.054	
Administration ....	0.013	0.016	0.016	0.015	0.015	0.017	
School supplies....	0.064	0.070	0.072	0.072	0.061	0.071	
Teachers' salaries...	0.792	0.792	0.785	0.792	0.801	0.788	
<hr/>		<hr/>		<hr/>		<hr/>	
Total .....	\$1.000	\$1.000	\$1.000	\$1.000	\$1.000	\$1.000	

**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 1909 AND 1910.**

	High Schools.			Grammar and Primary Schools.			All Day Schools.		
	1909.	1910.	Increase.	1909.	1910.	Increase.	1909.	1910.	Increase.
Instruction . . .	\$41 82	\$42 62	\$0 80	\$20 63	\$20 93	\$0 30	\$23 44	\$24 02	0 58
Supplies . . . .	4 59	4 84	0 25	1 26	1 65	0 39	1 70	2 11	0 41
Care . . . . .	4 36	5 12	0 76	3 38	3 41	0 03	3 51	3 64	0 13
<hr/>		<hr/>		<hr/>		<hr/>		<hr/>	
Total . . . . .	\$50 77	\$52 58	\$1 81	\$25 27	\$25 99	\$0 72	\$28 65	\$29 77	\$1 12

Including the cost of maintenance of evening schools, the per capita cost is as follows:—

	1907.	1908.	1909.	1910.	
Cost of instruction.....	\$22.93	\$24.21	\$24.06	\$23.05	
Cost of supplies.....	2.04	2.17	1.76	2.03	
Cost of care.....	3.65	3.65	3.66	3.59	
<hr/>		<hr/>		<hr/>	
Total .....	\$28.62	\$30.03	\$29.48	\$28.67	

An examination of these tables shows that we have paid

\$0.80 more for the instruction of each pupil in the high school than in 1909, and twenty-five cents more per pupil for supplies.

The grammar and primary schools have cost thirty cents more per pupil for instruction, and thirty-nine cents for supplies.

**Teachers' Salaries.** The salaries paid to teachers in January, 1911, are as follows:—

1 man.....	\$3,000	1 woman.....	\$850
1 man.....	2,900	1 woman.....	825
2 men.....	2,000	5 women, 1 man.....	800
1 man.....	1,950	18 women.....	775
10 men, 2 women.....	1,900	1 woman.....	750
1 man.....	1,750	6 women.....	725
7 men.....	1,700	193 women, 1 man.....	700
1 man.....	1,600	2 women.....	650
2 men.....	1,500	14 women.....	600
5 men.....	1,400	3 women.....	525
2 men.....	1,300	4 women.....	500
3 men, 3 women.....	1,200	2 women.....	450
3 men, 14 women.....	1,000	5 women.....	425
1 woman.....	950	2 women.....	350
21 women.....	900	1 woman.....	200

The following gives the results of the eye and ear test:—

EYES.

	1909.	1910.	Change.
Tested .....	11,417	11,136	—281
Defective .....	2,200	1,733	—467
Per cent. defective.....	19.2	15.6	—3.6
Notices sent to parents.....	1,375	1,179	
Professionally treated .....	185	128	

EARS.

	1909.	1910.	Change.
Tested .....	11,890	11,441	—449
Defective .....	371	332	—39
Per cent. defective.....	3.1	2.9	+1.8
Notices sent to parents.....	284	219	
Professionally treated .....	35	27	

**The Latin School.** The membership of this school has risen from 569 to 595 within the year, an increase of twenty-six. This number is divided among the classes as follows:—

	1910.	1909.	Change.
Post Graduate .....	0	7	—7
Senior .....	123	100	+23
Junior .....	93	133	—40
Sophomore .....	186	127	+59
Freshman .....	193	203	—10

With the head master, there are eighteen teachers in the school, seven of whom are men. Including the principal, who teaches two-thirds of the time, the average class unit is thirty-three.

There have been two changes of instructors during the year, Miss Mary E. Cliff, teacher of mathematics, and Alfred W. Dickinson, fourth assistant, having resigned. In the place of the former Miss Julia T. Connor was called from the Watertown High School. Miss Connor was graduated from the Somerville Latin School in 1902, and from Radcliffe in the class of 1905.

Three new teacherships having been added to the faculty, the following persons were elected to fill the new places: Nancy B. Kimball, Vassar, 1906, French; Edith L. Hurd, Radcliffe, 1900, English; Seth A. Loring, Tufts, 1905, history and mathematics.

Ninety-four pupils were graduated from the school in June, forty-seven of whom entered college or technical schools.

The standing of the school among institutions that fit for college is unsurpassed. Its graduates take high rank wherever they go, and reflect honor not only upon the school and its teachers, but upon the city as well. The number pursuing each study is shown in the following table:—

English .....	595	French .....	156
History .....	286	German .....	268
Mathematics .....	595	Greek .....	114
Physics .....	62	Drawing .....	22
Latin .....	570	Chemistry .....	35

The following table shows the extent to which pupils drop out of the school during their four-years' course:—

**TABLE SHOWING LOSSES OF CLASSES IN LATIN HIGH SCHOOL EACH YEAR.**

MEMBERSHIP.	Class of 1905.	Class of 1906.	Class of 1907.	Class of 1908.	Class of 1909.	Class of 1910.	Class of 1911.	Class of 1912.	Class of 1913.	Class of 1914.
December 15, 1st year .	111	125	121	136	139	124	162	156	203	193
“ 2nd “ .	97	106	112	120	124	109	143	127	186	...
“ 3rd “ .	95	93	92	101	107	100	133	93	...	...
“ 4th “ .	81	93	83	102	104	100	123	...	...	...
Graduates . . . . .	76	81	75	94	91	94	...	...	...	...
Loss per cent. 1st year .	12.6	15.2	7.4	11.8	10.8	12.1	11.7	18.6	8.4	...
“ “ 2nd “ .	2.1	14.0	17.9	15.8	13.7	8.2	7.9	26.7	...	...
“ “ 3rd “ .	14.7	0.0	9.8	0.0	2.8	0.0	7.5	...	...	...
“ “ 4th “ .	6.1	12.9	9.6	7.8	12.5	6.0	...	...	...	...
Total . . . . .	31.5	35.2	38.0	30.9	34.5	24.2	...	...	...	...

**The English School.** One thousand one hundred eighty-eight pupils have been members of the school since the opening of the term in September. Fifty-seven of these have dropped out, leaving at the present time a membership of 1,131, sixty-eight less than there were a year ago at this time. They are classified as follows:—

	1910.	1909.	Change.
Post Graduate .....	6	8	-2
Senior .....	182	185	-3
Junior .....	260	227	+33
Sophomore .....	307	345	-38
Freshman .....	376	434	-58

There are forty-three teachers, exclusive of head master and secretary, fourteen of whom are men. Three of these are employed in the manual training department. The average number of pupils to a teacher is twenty-six.

Four new teachers were added to the corps since the opening of school in September:—

Guy C. Blodgett, Dartmouth, '08, algebra.  
 S. Thomas Hall, Tufts, '03, mechanical drawing.  
 Horace Taylor, Harvard, '07, laboratory assistant.  
 Esther Parmenter, Wellesley, '02, English.

The school lost three teachers.

The following table shows the extent to which pupils drop out of the school during their four-years' course:—

**TABLE SHOWING LOSSES OF CLASSES IN ENGLISH HIGH SCHOOL EACH YEAR.**

MEMBERSHIP.	Class of 1905.	Class of 1906.	Class of 1907.	Class of 1908.	Class of 1909.	Class of 1910.	Class of 1911.	Class of 1912.	Class of 1913.	Class of 1914.
December 15, 1st year . . . . .	261	250	252	267	350	399	422	441	434	376
“ “ 2nd “ . . . . .	214	190	220	224	286	301	309	345	307	...
“ “ 3rd “ . . . . .	180	158	187	194	205	218	227	260	...	...
“ “ 4th “ . . . . .	148	140	162	164	182	185	182	...	...	...
Graduates . . . . .	135	127	148	141	174	173	...	...	...	...
Loss per cent. 1st year . . . . .	18.0	24.0	12.7	16.1	18.3	24.6	26.8	21.8	29.3	...
“ “ 2nd “ . . . . .	15.9	16.8	15.0	13.4	28.3	27.6	26.5	24.6	...	...
“ “ 3rd “ . . . . .	17.8	11.4	13.4	15.5	11.2	15.1	19.8	...	...	...
“ “ 4th “ . . . . .	8.7	9.0	8.6	14.0	4.4	6.5	...	...	...	...
Total . . . . .	48.3	49.2	41.7	47.2	50.3	56.6	...	...	...	...

One hundred seventy-three pupils were graduated from the school in June, sixteen of whom entered college, eight, technical schools, and eleven, normal schools.

The twenty-three subjects of the curriculum are pursued by pupils at the present time as follows:—

English .....	1,131	Freehand drawing.....	332
History .....	844	Commercial:—	
Mathematics .....	749	Law .....	22
Chemistry .....	119	Bookkeeping .....	108
Physics .....	73	Stenography .....	221
Biology .....	41	Arithmetic .....	204
Physiology .....	222	Geography .....	45
Latin .....	218	Penmanship .....	329
French .....	428	Typewriting .....	233
German .....	133	Elocution .....	632
Physical geography.....	24	Manual training.....	246
Mechanical drawing.....	318	Music .....	930

**Elementary Schools.** There are now in these schools 10,084 pupils, 847 less than a year ago. They are classified as follows:—

	1910.	1909.	Change.
Grade 1.....	826	1,595	—769
“ 2.....	1,358	1,404	—46
“ 3.....	1,354	1,346	+8
“ 4.....	1,269	1,307	—38
“ 5.....	1,258	1,249	+9
“ 6.....	1,165	1,199	—34
“ 7.....	1,067	1,122	—55
“ 8.....	953	950	+3
“ 9.....	834	759	+75

In June last 743 were graduated from the grammar schools, two more than last year. Of these, 521, or seventy per cent., entered the high school, 359 going to the English and 162 to the Latin.

During the year 481 working certificates have been issued to minors under sixteen. None are issued to those under fourteen.

**Kindergartens.** The kindergartens are located in the Hanscom, Bennett, Baxter, and Glines Schools. The entire cost of these kindergartens for the year was \$4,022.24, or \$20.95 for every child in average membership.

The details are as follows:—

	Hanscom.	Bennett.	Baxter.	Glines.	Total.
Enrollment . . . . .	86	89	81	85	341
Average membership . . . . .	46	53	47	46	192
Average attendance . . . . .	40	46	41	42	169
Per cent. attendance . . . . .	86.7	86.2	88.0	90.7	88.0
Age . . . . .	5—7	5—3	5—4	5—7	5—5

TABLE 1.—SCHOOLHOUSES.

	NAME.	No. of Classrooms.	Size of Lot.	Valuation, including Furniture.	When built.	No. of years used.	Enlargements.
1	Latin High	a14	.....	\$91,500	1871	39	8 rooms added 1906
2	English High	b17	.....	137,600	1895	15	
3	Prescott . . .	12	22,000	66,250	1867	43	
4	Knapp . . . .	13	24,517	50,340	1889	21	4 rooms added 1894
5	Pope . . . . .	12	27,236	80,860	1891	19	
6	Bell . . . . .	12	22,262	45,340	1874	36	
7	Edgerly . . .	12	24,000	44,250	1871	39	{ 4 rooms added 1882 4 rooms added 1892
8	Glines . . . .	14	28,800	80,800	1891	19	5 rooms added 1896
9	Forster . . .	18	30,632	85,350	1866	44	6 rooms added 1899
10	Bingham . . .	16	35,586	60,000	1886	24	{ 4 rooms added 1894 8 rooms added 1904
11	Carr . . . . .	17	20,450	60,850	1898	12	
12	Morse . . . .	12	29,000	48,200	1869	41	6 rooms added 1890
13	Highland . . .	12	23,260	60,560	1880	30	4 rooms added 1891
14	Hodgkins . . .	14	35,034	78,101	1896	14	
15	Bennett . . . .	12	17,000	59,248	1902	8	
16	Hanscom . . .	10	12,756	76,840	1897	13	4 rooms added 1907
17	Brown . . . . .	10	20,093	67,201	1901	9	4 rooms added 1907
18	Proctor . . . .	9	18,000	41,029	1905	5	
19	Burns . . . . .	8	16,080	34,700	1886	24	4 rooms added 1899
20	Lowe . . . . .	8	21,650	51,826	1903	7	
21	Baxter . . . .	6	11,000	32,956	1901	9	
22	Perry . . . . .	6	46,080	37,000	1899	11	
23	Davis . . . . .	4	30,155	22,720	1884	26	
24	Cummings . .	4	11,300	11,920	1884	26	
25	Durell . . . .	4	13,883	19,720	1894	16	
26	Lincoln . . . .	4	17,662	18,220	1885	25	
	Total. . . . .	280	.....	\$1,463,381	....	..	

(a) Besides two recitation rooms, a physical laboratory, two teachers' rooms, an assembly hall, a library and a principal's office.

(b) A chemical, a physical, a biological laboratory, six recitation rooms, a lecture hall, three drawing rooms, two teachers' rooms, library, and principal's office. Four manual training rooms and lunch room in basement. The biological laboratory and the lecture hall furnish two classrooms.



TABLE 2.—COST OF MAINTAINING SCHOOLS, 1910.

SCHOOLS.	Teachers.	Care.	Supplies.	Total.
Latin High . . .	\$21,464 04	\$3,962 12	\$1,512 37	\$26,938 53
English High . . .	50,132 99	4,644 39	6,621 64	61,399 02
Prescott . . .	10,928 92	1,489 23	865 31	13,283 46
Knapp . . .	11,645 40	1,416 83	924 82	13,987 05
Pope . . .	11,274 08	1,999 77	877 31	14,151 16
Bell . . .	10,900 53	1,299 87	894 41	13,094 81
Edgerly . . .	11,006 56	1,421 98	888 33	13,316 87
Glines . . .	12,353 52	2,525 47	670 60	15,549 59
Forster . . .	15,759 59	3,184 48	1,023 59	19,967 66
Bingham . . .	14,582 41	1,871 83	1,111 82	17,566 06
Carr . . .	14,869 85	1,600 66	1,016 75	17,487 26
Morse . . .	11,266 57	1,532 55	811 11	13,610 23
Brown . . .	9,376 30	1,336 58	858 28	11,571 16
Highland . . .	11,444 22	1,622 35	1,529 98	14,596 55
Hodgkins . . .	13,880 79	1,437 06	1,150 43	16,468 28
Bennett . . .	9,571 54	1,757 28	462 98	11,791 80
Hanscom . . .	8,719 35	1,883 01	508 58	11,110 94
Proctor . . .	6,562 93	1,361 68	371 54	8,296 15
Burns . . .	6,421 63	1,225 39	530 32	8,177 34
Lowe . . .	6,781 96	1,182 94	431 99	8,396 89
Baxter . . .	5,040 28	933 98	316 81	6,291 07
Perry . . .	4,894 52	975 74	245 12	6,115 38
Davis . . .	1,705 70	558 67	84 62	2,348 99
Cummings . . .	2,835 17	1,004 06	159 52	3,998 75
Durell . . .	2,914 55	786 20	215 06	3,915 81
Lincoln . . .	3,553 30	744 78	265 42	4,563 50
Evening . . .	7,082 63	2,321 36	738 36	10,142 35
Atypical . . .	319 46	41 38	14 34	375 18
Industrial . . .	1,131 45	388 61	1,190 73	2,710 79
Totals . . .	\$298,420 24	\$46,510 25	\$26,292 14	\$371,222 63

TABLE 3.—PER CAPITA COST OF MAINTAINING SCHOOLS, 1910.

SCHOOLS.	Teachers.	Care.	Supplies.	Total.
Latin High. . . . .	\$37 79	\$6 98	\$2 66	\$47 43
English High . . . . .	45 08	4 18	5 95	55 21
Prescott . . . . .	21 51	2 93	1 70	26 14
Knapp . . . . .	20 72	2 52	1 65	24 89
Pope . . . . .	22 64	4 02	1 76	28 42
Bell . . . . .	22 16	2 64	1 82	26 62
Edgerly . . . . .	23 22	3 00	1 87	28 09
Glines . . . . .	21 79	4 45	1 18	27 42
Forster . . . . .	21 41	4 33	1 39	27 13
Bingham . . . . .	20 34	2 61	1 55	24 50
Carr . . . . .	20 57	2 21	1 41	24 19
Morse . . . . .	22 49	3 06	1 62	27 17
Brown . . . . .	20 61	2 94	1 89	25 44
Highland . . . . .	21 23	3 01	2 84	27 08
Hodgkins . . . . .	21 83	2 26	1 81	25 90
Bennett . . . . .	21 95	4 03	1 06	27 04
Hanscom . . . . .	20 91	4 51	1 22	26 64
Proctor . . . . .	20 45	4 24	1 16	25 85
Burns . . . . .	19 17	3 66	1 58	24 41
Lowe . . . . .	18 63	3 25	1 19	23 07
Baxter . . . . .	18 81	3 49	1 18	23 48
Perry . . . . .	18 33	3 65	92	22 90
Davis . . . . .	17 23	5 64	85	23 72
Cummings . . . . .	20 70	7 32	1 16	29 18
Durell . . . . .	16 56	4 47	1 22	22 25
Lincoln . . . . .	17 50	3 67	1 31	22 48
Evening . . . . .	8 67	2 84	90	12 41
Atypical . . . . .	53 25	6 90	2 39	62 54
Industrial . . . . .	80 82	27 76	85 05	193 63
High schools . . . . .	42 62	5 12	4 84	52 58
Gram. and primary . . . . .	20 93	3 41	1 65	25 99
All schools . . . . .	23 05	3 59	2 03	28 67

**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

**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

**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

**TABLE 7.—POPULATION AND SCHOOL CENSUS.**

1842 . . . . .	1,013	1885 . . . . .	29,992	1905 . . . . .	69,272
1850 . . . . .	3,540	1890 . . . . .	40,117	1906 . . . . .	70,875
1860 . . . . .	8,025	1895 . . . . .	52,200	1907 . . . . .	72,000
1865 . . . . .	9,366	1900 . . . . .	61,643	1908 . . . . .	75,500
1870 . . . . .	14,693	1901 . . . . .	63,000	1909 . . . . .	75,500
1875 . . . . .	21,594	1902 . . . . .	65,273	1910 . . . . .	77,236
1880 . . . . .	24,985	1903 . . . . .	67,500		

**School Census.**

No. of children between 5 and 15 years of age October 1,

	1909.	1910.	Change.
Ward 1 . . . . .	1,997	2,001	+4
Ward 2 . . . . .	2,764	2,721	-43
Ward 3 . . . . .	1,050	1,003	-47
Ward 4 . . . . .	986	951	-35
Ward 5 . . . . .	1,964	1,958	-6
Ward 6 . . . . .	2,082	2,022	-60
Ward 7 . . . . .	1,576	1,456	-120
<b>Total</b> . . . . .	<b>12,419</b>	<b>12,112</b>	<b>-307</b>
In public schools . . . . .	10,768	10,201	-567
In private schools . . . . .	1,775	1,722	-53
Out of school . . . . .	315	912	+597
<b>Total</b> . . . . .	<b>12,858</b>	<b>12,835</b>	<b>-23</b>

Number of compulsory school age, 7 to 14:—

According to census, males . . . . .	4,685	
females . . . . .	4,670	
		<b>9,355</b>
In public schools, males . . . . .	3,746	
females . . . . .	3,605	
		<b>7,351</b>
In private schools, males . . . . .	606	
females . . . . .	677	
		<b>1,283</b>
<b>Total in school</b>		<b>8,634</b>
	1909.	1910.
Number of illiterate minors . . . . .	20	17
Children under 7 out of school . . . . .	153	780
“    between 7 and 14 out on account		
of sickness . . . . .	62	40
“    14 years old at work . . . . .	80	92
<b>Total number out of school</b> . . . . .	<b>295</b>	<b>912</b>

TABLE 8. — ATTENDANCE OF THE PUBLIC SCHOOLS, 1910.

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.
16	Latin High. . . . .	593	568	544	95.8	569	595	
23	English High . . . . .	1,210	1,112	1,052	94.6	1,159	1,131	
12	Prescott . . . . .	618	508	481	94.8	518	519	43.3
13	Knapp . . . . .	676	562	532	94.8	590	567	43.6
12	Pope . . . . .	581	498	473	95.0	511	516	43.0
11	Bell . . . . .	563	492	463	94.2	522	491	44.6
11	Edgerly . . . . .	538	474	447	94.2	494	486	44.2
13	Glines . . . . .	702	567	534	94.3	585	575	44.2
17	Forster . . . . .	848	736	678	92.2	765	716	42.1
16	Bingham . . . . .	852	717	669	93.4	736	727	45.4
17	Carr . . . . .	818	723	683	94.4	765	684	40.3
12	Morse . . . . .	601	501	473	94.4	533	495	41.0
10	Brown . . . . .	557	455	430	94.5	481	442	44.2
12	Highland . . . . .	599	539	522	96.8	556	543	45.3
14	Hodgkins . . . . .	764	636	629	95.7	659	643	46.0
10	Bennett . . . . .	534	436	393	93.0	439	428	42.8
10	Hanscom . . . . .	553	417	386	92.5	436	437	43.7
8	Proctor . . . . .	385	321	300	93.4	337	327	40.0
8	Burns . . . . .	417	335	315	94.0	363	320	40.0
8	Lowe . . . . .	461	364	338	93.0	386	363	45.3
6	Baxter . . . . .	381	268	250	93.4	292	264	43.2
6	Perry . . . . .	370	267	248	93.0	295	244	40.6
3	Cummings . . . . .	202	137	128	94.1	154	140	46.6
0	Davis . . . . .	187	99	90	90.7	175	....	....
4	Durell . . . . .	223	176	167	95.1	185	169	42.3
4	Lincoln . . . . .	245	203	192	94.4	201	188	47.0
1	Atypical . . . . .	.....	6	5	94.2	0	16	
4	Industrial . . . . .	3	14	13	91.4	0	33	
281	Total . . . . .	14,481	12,131	11,435	94.3	12,706	12,059	43.4
286	Total for 1909	15,363	12,423	11,666	93.9	12,666	12,907	45.0

**TABLE 9.—STATISTICS OF HIGH SCHOOLS FOR SCHOOL YEAR, SEPTEMBER 8, 1909, TO JUNE 23, 1910.**

	Latin.	English.
Number of teachers, including head masters . . . . .	16	43
Number of days school kept . . . . .	176	176
Number enrolled . . . . .	591	1,263
Average number belonging . . . . .	557.5	1,160.4
Average daily attendance . . . . .	533.5	1,071.9
Per cent. of attendance . . . . .	95.7	94.5
Tardiness . . . . .	428	615
Dismissals . . . . .	379	297
In Class I. September, 1909 . . . . .	209	454
June . . . . .	197	365
Per cent. of loss . . . . .	6	19.6
In Class II. September, 1909 . . . . .	132	357
June . . . . .	118	298
Per cent. of loss . . . . .	11	16.5
In Class III. September, 1909 . . . . .	133	238
June . . . . .	127	204
Per cent. of loss . . . . .	6	14.3
In Class IV. September, 1909 . . . . .	100	188
June . . . . .	99	178
Per cent. of loss . . . . .	1	5.3
Special students, September, 1909 . . . . .	8	8
June . . . . .	2	7
Total, September, 1909 . . . . .	582	1,245
June . . . . .	543	1,075
Per cent. of loss . . . . .	6.6	13.7
Number of graduates, male . . . . .	39	63
Number of graduates, female . . . . .	55	110
Total . . . . .	94	173
Average age, male graduates . . . . .	18-8	19-6
Average age, female graduates . . . . .	18-7	18-7
Number entering college . . . . .	40	16
Number of graduates entering technical schools . . . . .		8
Number of graduates entering normal schools . . . . .	7	11
Cost of instruction . . . . .	\$20,453 25	\$48,802 00
Cost of supplies . . . . .	1,677 89	5,448 99
Total cost . . . . .	22,131 14	54,250 99
Per capita cost of instruction . . . . .	36 69	42 06
Per capita cost of supplies . . . . .	3 01	4 70
Total cost per capita . . . . .	39 70	46 76



TABLE 10.—PUPILS BY GRADES, December, 1910.

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.								
Latin	Thirteenth . . . . .	.....	.....	.....	54	69	123	17	11	.....	.....	3
"	Twelfth . . . . .	.....	.....	.....	44	49	93	17	.....	.....	.....	5
"	Eleventh . . . . .	.....	.....	.....	85	101	186	16	2	.....	2	6
"	Tenth . . . . .	.....	.....	.....	117	76	193	15	2	.....	167	21
	Total . . . . .	7	11	.....	300	295	595	.....	.....	.....	169	35
English	Special . . . . .	.....	.....	.....	1	5	6	19	.....	.....	.....	.....
"	Thirteenth . . . . .	.....	.....	.....	81	101	182	18	4	.....	1	5
"	Twelfth . . . . .	.....	.....	.....	94	166	260	17	2	.....	5	5
"	Eleventh . . . . .	.....	.....	.....	138	169	307	16	4	.....	2	12
"	Tenth . . . . .	.....	.....	.....	156	220	376	15	3	.....	369	27
	Total . . . . .	15	30	.....	470	661	1,131	.....	.....	.....	377	49
	Total high school . . . . .	22	41	.....	770	956	1,726	.....	.....	.....	546	84
Grammar	Ninth . . . . .	12	21	.....	372	462	834	14	6	.....	44	44
"	Eighth . . . . .	.....	22	.....	473	480	953	13	8	.....	99	78
"	Seventh . . . . .	.....	25	1	521	546	1,067	12	8	.....	176	103
"	Sixth . . . . .	.....	27	.....	618	547	1,165	11	9	.....	203	97
"	Fifth . . . . .	.....	29	1	632	626	1,258	10	8	.....	233	151
"	Fourth . . . . .	.....	29	1	650	619	1,269	9	8	.....	299	136
	Total grammar . . . . .	12	153	3	3,266	3,280	6,546	.....	.....	.....	1,054	609
Primary	Third . . . . .	.....	31	.....	702	652	1,354	8	6	.....	181	162
"	Second . . . . .	.....	31	2	709	649	1,358	7	4	.....	188	183
"	First . . . . .	.....	21	1	421	405	826	6	8	521	122	142
	Total primary . . . . .	.....	83	3	1,832	1,706	3,538	.....	.....	521	491	487
	Total grammar and primary . . . . .	12	236	6	5,098	4,986	10,084	.....	.....	521	1,545	1,096
	Kindergarten . . . . .	.....	4	4	100	100	200	5	5	.....	.....	.....
	Special teachers . . . . .	4	5	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Cadet . . . . .	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Industrial . . . . .	3	.....	.....	33	.....	33	15	3	.....	5	3
	Atypical . . . . .	.....	1	.....	12	4	16	.....	.....	.....	21	.....
	Grand totals . . . . .	41	288	10	6,013	6,046	12,059	.....	.....	521	2,117	1,883
	1909 . . . . .	36	298	17	6,322	6,378	12,907	.....	.....	1,222	2,089	1,887

TABLE 11. — PUPILS IN HIGH AND GRAMMAR SCHOOLS.—1910.

	High Schools.	Grammar and Primary Schools.	Kindergartens.	Industrial School.	Atypical School.	Total.
Annual enrollment . . . . .	1,803	12,334	341	3	....	14,481
Average membership . . . . .	1,680	10,239	192	14	6	12,131
Average attendance . . . . .	1,596	9,652	169	13	5	11,435
Per cent. of attendance . . . . .	95.0	94.2	88.0	91.4	94.2	94.3
Number cases of tardiness . . . . .	1,132	3,069	...	92	29	4,322
Number cases of dismissal . . . . .	660	2,339	...	38	....	3,037
Number cases of punishment . . . . .	....	293	...	..	....	293
Membership, January, 1910 . . . . .	1,728	10,774	204	..	....	12,706
Membership, December, 1910 . . . . .	1,726	10,084	200	33	16	12,059

TABLE 12. — NUMBER OF PUPILS ADMITTED TO GRADE I IN SEPTEMBER.

SCHOOL.	1906.	1907.	1908.	1909.	1910.	SCHOOL.	1906.	1907.	1908.	1909.	1910.
Prescott . .	72	61	33	35	27	Forster . .	74	77	73	63	20
Hanscom . .	33	39	75	42	50	Bingham . .	83	70	84	88	29
Davis . . . .	22	39	35	41	.....	Carr . . . .	40	64	65	64	.....
Bennett . . .	125	94	99	92	76	Morse . . . .	64	53	57	55	29
Baxter . . . .	42	59	46	62	29	Proctor . . .	61	48	55	47	20
Knapp . . . .	40	35	39	41	25	Durell . . . .	39	43	38	37	12
Perry . . . .	42	51	42	52	20	Burns . . . .	53	43	45	55	14
Pope . . . . .	28	28	30	39	17	Brown . . . .	52	57	73	63	27
Bell . . . . .	38	35	38	21	.....	Highland . .	.....	.....	.....	.....	.....
Cummings . .	46	40	34	45	26	Hodgkins . .	55	43	54	52	17
Edgerly . . .	38	39	33	35	.....	Lincoln . . .	51	52	57	50	25
Glines . . . .	63	63	60	60	29	Lowe . . . . .	75	72	93	83	29

TABLE 13.—GRAMMAR SCHOOL GRADUATES, 1910.

SCHOOLS.	Number receiving Diplomas.	Number certificated for High School.		Number entering Latin School.		Number entering English School.		Total.	
		Conditionally.	Unconditionally.	Conditionally.	Unconditionally.	Conditionally.	Unconditionally.	Conditionally.	Unconditionally.
Prescott . . . .	30	8	22	2	3	2	12	4	15
Knapp . . . .	80	0	78	0	10	0	43	0	53
Pope . . . .	56	16	35	1	9	7	15	8	24
Bell . . . .	53	3	47	0	13	0	27	0	40
Edgerly . . . .	68	7	59	1	14	3	34	4	48
Glines . . . .	32	8	23	2	7	4	17	6	24
Forster . . . .	72	5	67	0	20	2	33	2	53
Bingham . . . .	39	1	34	0	4	0	19	0	23
Carr . . . .	57	5	46	0	10	0	18	0	28
Morse . . . .	48	5	36	0	4	3	26	3	30
Brown . . . .	50	8	40	2	9	2	26	4	35
Highland . . . .	96	5	92	0	29	4	41	4	70
Hodgkins . . . .	62	8	50	1	21	4	17	5	38
Total . . . .	743	79	629	9	153	31	328	40	481

TABLE 14.—TRUANT STATISTICS

FOR A SERIES OF YEARS.

	1903.	1904.	1905.	1906.	1907.	1908.	1909.	1910.
No. of visits of officer to schools	525	429	567	511	474	401	787	617
Absences investigated . . . .	521	387	514	502	499	655	1,185	1,600
Cases of truancy . . . .	152	146	150	151	94	155	265	296
Truants arrested . . . .	24	8	7	11	14	11	5	11
Sent to truant school . . . .	9	5	4	6	9	6	2	3
No. now in truant school . . . .	5	5	8	10	18	15	14	13

**TABLE 15.—ATTENDANCE IN ELEMENTARY EVENING SCHOOLS, FROM OCTOBER, 1909, TO MARCH, 1910.**

		Prescott.	Bell.	Highland.	Total.
Enrolled . . . . .	Male	53	409	99	561
	Female	33	73	40	146
	Total	86	482	139	707
Ave. membership . . . . .	Male	43	163	59	265
	Female	29	32	25	86
	Total	72	195	84	351
Ave. attendance . . . . .	Male	33	124	44	201
	Female	22	24	20	66
	Total	55	148	64	267
Per cent. Att. out of No. belonging . . . . .	. . .	76.4	76.0	76.2	76.1
Per cent. Att. out of No. enrolled . . . . .	. . .	64.0	30.8	46.0	37.8
Ave. No. of teachers . . . . .	Male	2	2	1	5
	Female	2	13	4	19
	Total	4	15	5	24
No. of sessions . . . . .	. . .	76	76	76	228
Teachers, cost of . . . . . Janitors, supplies and light cost of . . . . .	. . .	\$602.50	\$2,338.50	\$712.50	\$3,653.50
	. . .	176.48	422.01	147.90	746.39
	Total	\$778.98	\$2,760.51	\$860.40	\$4,399.89
Cost per pupil per evening . . . . .	. . .	\$0.186	\$0.245	\$0.177	\$0.217
Cost per evening . . . . .	. . .	10.24	36.32	11.32	57.89
Cost per pupil in ave. membership . . . . .	. . .	10.82	14.16	10.24	12.54
Cost per pupil in ave. attendance . . . . .	. . .	14.16	18.65	13.44	16.48

**TABLE 15 (Concluded).—Evening High School, Season of 1909-1910.**

	Male.	Female.	Total.
Enrolled .....	446	320	766
Average membership .....	278	232	510
Average attendance .....	185	152	337
Number of teachers.....	12	9	21
Number of sessions.....		57	
Cost of instruction.....		\$3,741.00	
Cost of supplies and light.....		873.53	
Total cost .....		\$4,614.53	
Cost per pupil per evening.....		0.240	

Average attendance: October, 493; November, 384; December, 339; January, 272; February, 260; March, 276.

**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
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

\*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.	Elderly.	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									318	6,062	5.24	184	57.86
1891	44	73	41	55	44	39								296	6,035	4.90	199	67.23
1892	41	36	75	49	45	49	36	39						370	6,525	5.67	228	61.62
1893	40	60	48	63	67	46	36	38						398	6,674	5.97	240	60.30
1894	39	29	79	66	68	41	35	32						389	6,600	5.89	253	65.04
1895	36	32	58	63	73	42	36	34						374	6,955	5.37	255	68.18
1896	38	34	72	38	70	46	37	35						370	7,201	5.13	281	76.00
1897	34	39	50	48	41	29	30	25	45	27				368	7,602	4.84	273	74.19
1898	36	43	31	46	36	50	36	28	41	35				382	8,029	4.75	281	73.56
1899	37	50	62	48	49	40	34	34	39	37	38			468	8,351	5.60	345	73.72
1900	36	45	43	31	43	47	44	34	42	36	33			434	8,689	4.99	317	73.00
1901	34	38	70	43	72	47	43	38	41	35	36			497	8,811	5.64	372	74.80
1902	41	48	61	45	67	46	35	31	32	40	51			497	9,328	5.33	350	70.40
1903	34	45	62	35	65	51	28	34	52	31	47			484	9,362	5.17	354	73.14
1904	31	35	84	46	79	44	36	38	40	36	43			512	9,739	5.26	367	71.68
1905	40	40	74	44	85	47	42	48	61	36	58	31		606	10,298	5.88	463	76.40
1906	35	54	67	44	109	49	44	64	58	40	43	33		640	10,209	6.22	474	74.10
1907	37	62	67	44	126	81	36	56	59	62	60	35		725	10,440	6.94	561	77.40
1908	44	51	71	71	88	50	64	66	61	42	58	36	40	742	10,410	7.13	551	74.26
1909	27	59	73	44	95	82	48	70	55	43	66	36	43	741	10,582	7.00	546	73.68
1910	30	53	72	48	96	68	56	80	62	32	57	39	50	743	10,451	7.10	521	70.12
	788	1,032	1,305	1,027	1,475	994	756	824	688	532	590	210	133	10,354	178,353	5.80	7,415	71.61

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

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	267	2.20



TABLE 19.—PROMOTIONS FOR SCHOOL YEAR ENDING JUNE 23, 1910.

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	1,513	1,138	99	265	11	6	...
II	1,403	1,120	137	146	...	1	9
III	1,291	1,029	131	127	4	6	22
IV	1,255	994	148	109	4	4	2
V	1,197	922	156	100	19	9	5
VI	1,169	845	179	131	14	8	3
VII	1,000	772	133	79	16	8	3
VIII	904	681	159	64	...	19	1
IX	745	632	77	32	4	29	...
Total	10,477	8,133	1,219	1,053	72	90	45

Percentage of Promotions for School Year Ending June 23, 1910.

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	75.2	6.6	17.5	0.7	0.3	...
II	100	79.8	9.8	10.4	...	0.0	0.6
III	100	79.7	10.2	9.8	0.3	0.4	1.7
IV	100	79.2	11.8	8.7	0.3	0.3	0.2
V	100	77.0	13.0	8.4	1.6	0.4	0.4
VI	100	72.3	15.3	11.2	1.2	0.6	0.3
VII	100	77.2	13.3	7.9	1.6	0.8	0.3
VIII	100	75.3	17.6	7.1	...	2.1	0.1
IX	100	84.8	10.4	4.3	0.5	3.8	...
Average	100	77.6	11.6	10.1	0.7	0.8	0.4.

**TABLE 19 (Concluded).—PROMOTIONS FOR SCHOOL YEAR IN THE HIGH SCHOOLS FOR YEAR ENDING JUNE 23, 1910.**

	On June Promotion List.	Promoted to Next Grade.	Left Behind.	Repeating Work.
Grade X . . . . .	556	519	37	16
XI . . . . .	415	377	38	20
XII . . . . .	330	312	18	6
XIII . . . . .	276	267	9	3
Total . . . . .	1,577	1,475	102	45*

**Percentage of Promotions for School Year in High Schools, Ending June 23, 1910.**

	On June Promotion List.	Promoted to Next Grade.	Left Behind.	Repeating Work.
Grade X . . . . .	100	93.3	6.7	2.9
XI . . . . .	100	90.8	9.2	4.8
XII . . . . .	100	94.5	5.5	1.8
XIII . . . . .	100	96.7	3.3	1.1

TABLE 20.—RESIGNATION OF TEACHERS, 1910.

SCHOOL.	Teacher.	Resignation Took Effect.	In Service.
Latin High. . .	Mary Cliff	June 30, 1910	2 years
Latin High. . .	Alfred W. Dickinson	" " "	1 year
English High. .	Archibald S. Bennett	Oct. 31, 1910	2 yrs. 2 mos.
English High. .	Winifred E. Howe	June 30, 1910	3 years
English High. .	Frank A. Scott	" " "	1 year
Knapp . . . . .	Daisy King	" " "	5 years
Pope . . . . .	Minnie A. Blood	" " "	13 years
Edgerly . . . .	Mabel Washburn	" " "	4 years
Bingham . . . .	Grace F. Mulcahy	died June, 1910	6 yrs. 8 mos.
Carr . . . . .	Florence M. Dearborn	June 30, 1910	6 years
Carr . . . . .	Florence B. Howland	" " "	13 years
Morse . . . . .	Alice B. Hazelton	Nov., 1910	6 yrs. 10 mos.
Durell . . . . .	Lucie H. Chamberlain	June 30, 1910	3 yrs. 5 mos.
Brown . . . . .	Jennie P. Chapman	" " "	5 yrs. 5 mos.
Brown . . . . .	Lucy M. Curtis	May 30, 1910	9 yrs. 9 mos.
Hodgkins . . . .	Dorothy G. Stevens	October, 1910	1 yr. 2 mos.
Drawing Teacher . . . . .	Mary L. Patrick	April 30, 1910	14 yrs. 8 mos.
Sewing . . . . . Teacher . . . . .	Sara I. Gale	Dec. 23, 1910	2 yrs. 4 mos.

TABLE 21.—TEACHERS ELECTED IN 1910.

SCHOOL.	Teacher.	Coming From.	Began Service.	Salary.
Latin High	Alfred W. Dickinson	Somerville	—————	\$650
Latin High	Edith L. Hurd	Newton	Sept. 7, '10	800
Latin High	Nancy B. Kimball	Denver, Colo.	Sept. 7, "	800
English High	Guy C. Blodgett	Winchendon	Nov., 1910	1,200
English High	Cara F. Dillingham	Somerville	Sept. 7, "	800
English High	S. Thomas Hall	Shirley	Sept. 7, "	1,000
English High	Esther Parmenter	Westerly, R. I.	Sept. 7, "	800
English High	Augustus B. Tripp	Somerville	Sept. 7, "	1,000
English High	Horace Taylor	—————	Oct. "	700
Prescott . .	Mary L. Abbott	Natick	Jan., 1911	700
Knapp . . .	Alice L. Reid	Somerville	Jan., 1910	525
Forster . . .	Ernest R. Hager	Providence	Sept. 7, "	1,200
Baxter . . .	Mary G. Blackwell	Somerville	April "	775
Industrial . .	E. Minor Morse.	—————	Sept. 7, "	1,500
Industrial . .	Charles W. Hurn	Hudson, N. Y.	Sept. 7, "	1,000

## ASSISTANTS IN SERVICE DECEMBER, 1910.

Hanscom . . .	Agness M. Travis
Burns . . . .	Mary C. Buck
Proctor . . .	} Annie Sanburn
Lowe . . . .	
Bingham . . .	Frances E. Welch
Lincoln . . .	Louise K. Simm

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**TABLE 22.—LEAVE OF ABSENCE OF TEACHERS.**

September 7, 1910, Georgia P. Wardwell, for school year ending June 30, 1911.

September 7, 1910, Bertha P. Paul, for school year ending June 30, 1911.

**TABLE 23.—TRANSFER OF TEACHERS.**

TEACHERS.	From	To
Mary A. Holt . . . . .	Davis	Atypical
Carrie T. Lincoln . . . . .	Davis	Durell
Priscilla A. Merritt . . . . .	Davis	Bingham
Edith A. Maxwell . . . . .	Bennett	Pope
Marie Neis . . . . .	Bennett	Carr
Blanche L. Paine . . . . .	Knapp	Bell
Alice L. Reid . . . . .	Knapp	Perry
Mary G. Blackwell . . . . .	Perry	Baxter
Helen C. Gray . . . . .	Bell	Carr
Elizabeth L. Hersey . . . . .	Cummings	Hodgkins
Bessie I. Sutton . . . . .	Burns	Durell

**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

\* Including four kindergartners.

† Including two secretaries.

‡ Including one secretary.

**TABLE 25.—BOOKS AUTHORIZED FOR USE, 1910.****For Grammar and Primary Schools.***As text-books.*

Walton and Holmes Arithmetics, four-book series.

**For High Schools.***As reference books.*

Commercial Law, Gano.....American Book Company  
 American Railway Transportation, E. R. Johnson...Appleton & Co.  
 Ocean and Inland Water Transportation, Johnson...Appleton & Co.  
 How It Is Made, Archibald Williams.....Thomas Nelson & Sons  
 How It Is Done, Archibald Williams.....Thomas Nelson & Sons  
 How It Works, Archibald Williams.....Thomas Nelson & Sons  
 Food Analysis, Leach (new edition).....J. Wiley, New York  
 Volumetric Analysis, Sutton.....P. Blakiston's Sons, Philadelphia  
 Qualitative Analysis, Segerbloom.....Longmans, Green & Co.  
 Book of Photography, Paul Hasluck.....Cassell Company  
 Air, Water, and Food, Richards and Woodman..J. Wiley, New York  
 Tables of Properties,  
     Exeter Book Publishing Company, Exeter, N. H.  
 International Geography, H. R. Mill, editor.....Appleton & Co.  
 Physiography of United States (a collection of monographs of  
     several geologists).....American Book Company

*As text-books.*

Exercises in French Composition, Koren.....Henry Holt & Co.  
 Simple French, Francois and Giroud.....Henry Holt & Co.  
 L'Abbe Daniel.....Henry Holt & Co.  
 Premieres Lectures, Lazare.....Ginn & Co.  
 Contes et Nouvelles, Lazare.....Ginn & Co.

**TABLE 26.—GRADUATION EXERCISES, 1910.****High Schools.**

The graduation exercises of the high schools occurred on Tuesday, June 21, 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 William Orr.

At the close of the address, the chairman of the committee, Henry H. Folsom, presented diplomas to the 267 members of the graduating classes.

**Order of Exercises.**

Henry H. Folsom, Chairman of School Board, presiding.

Organ Solo.

Largo.

Handel

Master Harry A. Marchant.

1. Singing.

Chorus: "He Watching Over Israel" ("Elijah"). Mendelssohn  
(With piano and organ.)

2. Prayer.

Rev. Paul Gordon Favor.

3. Singing.

Soli and Chorus: "The Vision."

Faure

(With violin and organ obligato.)

Misses Backus, Hyde, Milleson, Evans, L. S.

Misses Porter, Ryder, Hickey, E. S.

Violin, Master Charles L. Berg.

Organ, Master Harry A. Marchant.

4. Address to Graduates.

William Orr, Deputy Commissioner of Education, State of Massachusetts.

5. Singing.

(a) (Unaccompanied) Trio: "Lift Thine Eyes" ("Elijah"),

Mendelssohn

(Girls' voices.)

(b) (Unaccompanied) Four-Part Song: "The Stars Are  
Shining in Heaven."

Rheinberger

6. Presentation of Diplomas to Graduates of the Latin School.

7. Singing.

Chorus: "Be Not Afraid" ("Elijah").

Mendelssohn

(With piano and organ.)

8. Presentation of Diplomas to Graduates of the English School.

9. Singing.

"March of the Nations" (Vocal March).

Geibe

(With piano and organ.)

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 schools.

**Latin High School Graduates.**

Hazel Budd Backus.	Mildred Heath Taylor.
Emma May Baker.	Marion Wardlaw Truesdale.
Amy Barker.	Mary Grace Urmston.
Alice May Baxter.	Mabel Eleanor Waugh.
Edith May Behnke.	Mabel Clarke Whitaker.
Marie Beatrice Brine.	Louise Whitney.
Lucia Sarah Burbank.	Laura Josephine Wilson.
Helen Frances Burt.	
Isabella Cameron.	
Lula Edna Chapman.	Daniel Christopher Bennett.
Pauline Conant.	Herbert Russell Boardman.
Ethel Colcord.	Howard Butler Bryant.
Frances Margaret Conway.	Lee Roy Cousins.
Ruth Crankshaw.	Edward Cornelius Currie.
Susan Wales Curtis.	Robert Tenney Davis.
Dorothy Martha Davol.	George Irving Dawson.
Olive Everson De Maris.	Arthur Hastings Doyle.
Rita Irene Dooling.	John Huntington Fales.
Alice Mary Doran.	Edwin Waldo Garland.
Beula Orne Dow.	Robert Leicester Ginn.
Winifred Clare Evans.	Harold Norris Goodspeed.
Ruth Strout Fales.	Gordon Paul Grainger.
Ruth Elizabeth Haskell.	Harold Russell Green.
Sally Gilman Hawes.	Harry Houston Greenwood.
Ethel Doris Hetherington.	Axel Henry Gren.
Annie Marian Hodge.	Harold Chadbourne Harlow.
Anne Leslie Hooper.	Arthur Selden Hatch.
Marguerite Elizabeth Hutchins.	Alvan Wolfenden Howard.
Estella Frances Hyde.	Franklin Harrison Killam.
Marie Alice Johnston.	Stanley Russell Kingman.
Ruth Agnes Lamont.	Daniel Mark Lynch.
Frances Little.	Francis Ayer Maulsby.
Lillian Agnes McCarthy.	John Edward McCauley.
Frances Louise McGann.	Daniel Brooke McKinnon.
Lois Alma Milleson.	Sumner Adelbert Mead.
Margaret Elizabeth Monahan.	Herbert Wesley Merrill.
Harriet Newhall.	Edwin Lawrence Noble.
Bertha Nickerson.	Philip Kimball Pearson.
Cornelia Haynes Patten.	Perley Augustus Rice.
Agnes Emily Perkins.	Arthur Howard Sanborn.
Miriam Elizabeth Priest.	George Victor Sheridan.
Marion Alice Roberts.	George Osborn Stewart.
Alberta Homoselle Roosa.	Russell Bradford Tarleton.
Mary Gertrude Ryan.	Arthur Joseph Tellier, Jr.
Eleanor Mary Scoboria.	Harold Albert Trafton.
Marjorie Emmanette Sprague.	Louis Howard Welch.
Grace Cutter Stone.	John Govan Wing.
Hazel Choate Taft.	Harold Graham Woodman.

**English High School Graduates.**

Sigrid Bergliot Aker.	Gertrude Alice Beacham.
Ethel Mildred Armstrong.	Marion Frances Bearse.
Charlotte Evelyn Ash.	Anna Bertha Benjamin.
Ethel Marion Bacon.	Alma Benthall.
Vila Lorraine Baldwin.	Edith Eustis Bisbee.
Eveline Banks.	Nellie Frances Black.
Mildred Doris Barney.	Claire Ann Bowler.



Ruth Isabel Bowler.  
 Laura Elizabeth Boyden.  
 Gladys Elizabeth Bradford.  
 Martha Agnes Bryan.  
 Mildred Ella Carpenter.  
 Elizabeth Arnold Chipman.  
 Gladys Madeline Crosby.  
 Carrie Pike Curran.  
 Mary Eunice Davis.  
 Irene Catherine Delay.  
 Rennie Mackim Dexter.  
 May Cornelia Dillon.  
 Teresa Marie Dillon.  
 Gladys Winifred Dolliver.  
 Marion Frances Dondale.  
 Frances Donovan.  
 Marion Curtis Earle.  
 Florence Gertrude Eastman.  
 Emily Jean Ellis.  
 May Lorraine Regina Flaherty.  
 Hilda Ethel Foley.  
 Ida May Gage.  
 Olivia Lawton Gilley.  
 Mabel Frances Grant.  
 Alice Elizabeth Griffiths.  
 Lillian Juliette Gunsenhiser.  
 Helen Evanel Haines.  
 Elizabeth Ruth Hayes.  
 Wilhelmina Nellie Hellman.  
 Helen Grace Henderson.  
 Mabelle Elizabeth Henderson.  
 Alfreda Barbara Hennings.  
 Grace Mary Hickey.  
 Helen Margaret Higgins.  
 Louise Swan Hollis.  
 Ruth Folsom Hunter.  
 Loretto Mary Jesson.  
 Anna Nathalie Johnson.  
 Alice Charlotte Jones.  
 Mary Margaret Judge.  
 Catherine Elizabeth Keating.  
 Anna Cora Kimpton.  
 Mabel Gertrude Kingston.  
 Inez Sophia Laurie.  
 Mary Catherine Laverty.  
 Dorothy Frances LaGallee.  
 Ada Marion Lewis.  
 Eleanor Lipsett.  
 Mayme Ethel MacLean.  
 Emily Blair Maddison.  
 Margaret Theresa Mahoney.  
 Geneva Gladys Mann.  
 Florence Elizabeth Markel.  
 Eleanor Marie McCarthy.  
 Mary Alice McGoldrick.  
 Louise Winifred McNeill.  
 Pauline Merrill.  
 Mary Ellen Miller.  
 Marion Anna Moore.  
 Theodora Charlotte Moore.

Evelyn Clark Morgan.  
 Mary Louise Murray.  
 Florence Pauline Nevins.  
 Mabel Newhouse.  
 Florence Mae Northrop.  
 Margaret Emily O'Connell.  
 Grace Ruth O'Neil.  
 Harriet May O'Neil.  
 Annie Louise Perron.  
 Agnes Christina Linea Peterson.  
 Helen Nichols Porter.  
 Gladys Linnette Reid.  
 Francesca F. M. Rinaldi.  
 Helen Lydia Rogers.  
 Marguerite Dalton Rupert.  
 Ruth Illathera Ryder.  
 Alice Geraldine Savage.  
 Marjorie Frances Sawyer.  
 Lillian Clementina Scriven.  
 Marguerite Mosher Scriven.  
 Mary Esther Shapleigh.  
 Eulah Sias.  
 Alice Estelle Smart.  
 Lydia Jennie Spinney.  
 Eva Elizabeth Sprague.  
 Gertrude Anna Starkey.  
 Ruth Stevens.  
 Ruth Ellen Swanson.  
 Beulah Isabelle Taylor.  
 Hazel Irene Thompson.  
 Jennie Warren Tweedie.  
 Josephine Agnes Welch.  
 Mary Henrietta Welch.  
 Lucy Ella Whitcomb.  
 Bessie Louise Woodward.  
 Sadie Pauline Yavner.

Porter Sheldon Abbott.  
 Edward Everett Adams.  
 Frank Leo Ahern.  
 Franklin Ellsworth Arnold.  
 Warren Lawrence Baker.  
 Cecil Moreton Barlow.  
 Clement John Beaudet.  
 Mason Edward Bennett.  
 Charles Louis Berg.  
 Oscar Willis Chandler.  
 Joseph Erasmus Conte.  
 Herbert Francis Cooper.  
 Arthur Nelson Copithorne.  
 Arthur Burnside Cragin, Jr.  
 Russell Milton Crispin.  
 Herman Cash Flint.  
 Fred Forg.  
 Alvin Edward Foss.  
 Stuart Brooks Foster.  
 Chester Russell Gardner.  
 Herbert Whiting Gardner.  
 Jacob Golden.  
 Albert Mann Goodell.

Roger Leonard Gordon.	Chester Harvey Marshall.
Henry Winfred Grady.	Otis Lincoln Mason.
Andrew Frederick Handley.	Myles Standish Maxim.
James Michael Hart.	Jeremiah Francis McCarthy.
Alfred Webster Hayward.	William J. Anthony McCarthy.
Charles Dewing Henderson.	John Earle McGinn.
Miles Cramer Higgins.	Ernest Herbert McKinley.
Wayne Marshall Hodgdon.	Harold Fletcher Miles.
Clarence Raymond Hopkins.	Clarence Maxwell Mixer.
Frank Alger Hughes.	Ezra Raymond Morse.
Willis Edgar Hunt.	Joseph Stevens Pike, Jr.
Walter Scott Jones.	Charles Edward Rodway.
Walter Asa Knox.	Raymond W. Rosborough.
Stanley Wadsworth Lane.	Everett Franklin Scott.
James Alexander Lewis.	Stanley Armstrong Smith.
Hymen Lipshires.	James Edward Trahey.
William LeRoy Lounsbury.	Charles Waranow.
Frederick Joseph Maguire.	Harold Sutherland Wilkins.
Harry Augustus Marchant.	Frederick Winn.
Osmon Tucker Marsh.	Rufus Blair Winton.

### 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 22. A short address, class singing, and awarding of diplomas constituted the programme.

#### Prescott School.

Agnes Aime Cardinal.	Frank L. McGonnell.
Olivine Eugenie Cardinal.	Robert S. Means.
David Louis De Rosay.	Joseph Morandi.
Lester L. Dix.	Mary Morandi.
Mary Agnes Donovan.	Harriett E. Morrison.
Chester Erwin Durning.	James Joseph Murphy.
Mildred R. Farquharson.	Claude R. Nowell.
Annie E. Grant.	George H. O'Neill.
Frances Eileen Haggens.	Etta S. Phillips.
Hazel Glen Herrick.	Hyman Price.
Henry Clarence Hudd.	Jeanne P. Ralston.
Florence L. Hutchins.	Mary E. Spring.
Mary H. Johnson.	Lawrence H. Sullivan, Jr.
Milton A. Johnson.	John M. Tiernan.
Ruth Vickery Langley.	Jennie Weisberg.

#### Knapp School.

Louis Backer.	George H. Calvert.
Thomas Francis Bennett.	Esther M. Carr.
Varista S. Bettencourt.	Bertha Mae Carroll.
Hazel Sophia Borgstrom.	William Joseph Cavanaugh.
Fred T. Boyd.	Agnes Mary Coakley.
Abraham I. Bronstein.	John E. Colbert.
Francis Elmer Brown.	Susie A. Colgan.
Chester David Burke.	Joseph J. Collins.
Jane Mildred Burns.	Thomas L. Collins.

John Edward Dalrymple.  
 Sadie E. T. Dempsey.  
 Esther Marie Dolan.  
 Francis Thomas Donahue.  
 Mabel M. Donahue.  
 Henry C. Donnelly.  
 Mary Ellen Dromgoole.  
 Rae Alvin Evans.  
 Grace C. Fenlon.  
 Francis P. Fitzpatrick.  
 Francis J. Gallagher.  
 Thomas H. Gallagher.  
 Esther G. Garrity.  
 Sarah Gullage.  
 Florence A. M. Hart.  
 Mary M. Hart.  
 Florence Margaret Healy.  
 Thomas Henderson.  
 E. Claire Hodgkins.  
 Mabel Holden.  
 Max C. Hyde.  
 Albert William Johnson.  
 John William Kelley.  
 Mildred Dorothy Larsen.  
 Florence Agnes Laubinger.  
 Frank Laubinger.  
 John Rae MacDonald.  
 Agnes Bernardina Magnuson.  
 Elizabeth Frances McCarthy.  
 Ethel Lillian McPhee.  
 Eva F. Melville.

Fannie Louise Melville.  
 John Michael Moriarty.  
 Nora J. Eleanor Moriarty.  
 William H. Murray.  
 John Russell Nason.  
 Stephen Oliver Nelson.  
 Adelaide Pauline Parsons.  
 Mary Jane Reddick.  
 Alton A. C. Reynolds.  
 Leone A. Riley.  
 Marion E. Roman.  
 Samuel B. Rome.  
 Helen Elizabeth Russell.  
 Rose Schrage.  
 Edward Maurice Sheehan.  
 Bessie Silverman.  
 Irving J. Snell.  
 L. Margaret Stevenson.  
 Magdalena Veronica Swanson.  
 Howard B. Taff.  
 Annie L. Talalaewsky.  
 Ada Catherine Tassaniri.  
 Effie Louise Tate.  
 Mildred H. Thompson.  
 Pauline F. Touchet.  
 Helen S. Townsend.  
 James Walsh.  
 Joseph P. Walsh.  
 John Francis Watson.  
 Christine Isabelle White.  
 Elsie E. White.

### Pope School.

John D. Barry.  
 Jennie Blumsack.  
 Marion R. Brosseau.  
 Colin T. Campbell.  
 Julia F. Carney.  
 Clinton W. Carvell.  
 Annie J. Casey.  
 Irene V. Casey.  
 James J. Corbett.  
 Isabel C. Devine.  
 Harald C. Estes.  
 Chester J. Flahive.  
 Anne E. Geddes.  
 James G. Geddes.  
 Edward A. Gerety.  
 Jennie E. Gerety.  
 Stanley T. Gerrish.  
 Charles F. Giles.  
 Augustus F. Goode.  
 Allan W. Hasty.  
 Wilbur R. Hughes.  
 William F. Judge.  
 Helen B. Lee.  
 Helen T. Lombard.  
 John J. Mahoney.  
 Leslie N. MacPherson.  
 Eugene F. McCarthy.  
 Helen G. Mitchell.

Lyle D. Morrison.  
 Sidney M. Newhall.  
 Everett J. O'Connell.  
 Michael J. O'Connell.  
 William H. O'Neil.  
 Sarah I. Pearlman.  
 Chester H. Phinney.  
 Esther A. Pieroni.  
 Philip H. Raymond.  
 Nellie F. Riley.  
 J. Holland Rooney.  
 David J. Ryan.  
 Willis B. Sargent, Jr.  
 James C. Scanlan.  
 Walter E. Schacht.  
 Myra B. Smith.  
 Mae M. Sweeney.  
 Daniel Taglino.  
 Elizabeth A. Talbot.  
 Doris Gertrude Trafton.  
 Kathryn M. Trefry.  
 L. Maude Trefry.  
 Mary E. Twigg.  
 Harold Van Ummersen.  
 Esther Mildred Wentworth.  
 Eva K. Westlin.  
 Walter A. Woods.  
 Benjamin Yavner.

**Bell School.**

Edith May Benson.	Lillian M. Irving.
Edna Florence Boyd.	Marion Hall Jordan.
Anthony Andrew Breen.	Leslie Everton Keyes.
Chester A. Brown.	Thelma Isham Knight.
Esther M. Carroll.	Julia Helena Madden.
Beatrice Childs.	Sadie Marie Mann.
Dorothea Lois Choate.	Alfred James McFadden.
Marjorie Gertrude Crimmings.	John F. McLaughlin.
William Houghton Crimmings.	Ruth Bethune Millner.
Earl I. Cushing.	Gordon Fowler Mitchell.
Winifred Belle DeLay.	Marie A. Mooney.
Marion J. Donnelly.	Edward M. Mullanny.
George William Doughty.	Alfred J. Murphy.
Robert Ignatius Emmet.	Lena Marie Pecorarie.
E. Walter Erb.	William Edward Pollock.
Harold O. Erb.	Harold Parck Rice.
Frank D. Everton.	George Wesley Ring.
Rogers E. Farnham.	Lillian M. Santangelo.
Maurice Christopher Fitzgerald.	Esther Isabella Schaefer.
Thomas Kendrick Forbes.	Richard Lothian Sprague.
Carl W. Gifford.	Ella Gertrude Sterling.
Leslie John Glenn.	Emiliana Louise Sullivan.
Florence Evelyn Hawn.	Pearl Velma Vroom.
Mabel J. Hefter.	Grace H. Whitcomb.
Esther Stanley Hewes.	Chester Gordon Williams.
Frances H. Hickey.	H. Lester Ziegel.
Lester Charles Hollis.	

**Elderly School.**

Mary T. Anderson.	Lyman A. Hodgdon.
Daniel J. Ash.	Melvin W. Hodgdon.
Elsie L. Bartlett.	A. Manola Howe.
Gladys M. Blood.	Marion U. Hunt.
Grace A. Boothby.	Mary L. Joyce.
George E. Boynton.	Rebecca Kerner.
Isabell A. Brown.	Irma J. Knight.
Timothy P. Calnan.	Helen M. Lake.
R. Stanley Chisholm.	Raymon M. Landon.
Joseph A. Colleran.	Frank W. Lincoln.
Mabel S. Collins.	John T. Looney.
Mabel T. Cox.	Ansel F. Marston.
Grace L. Cox.	Francis C. Martis.
Charles J. Cruise.	Emma N. McNabb.
Emily S. Curran.	Florence B. Merrill.
Gertrude M. Dawes.	William P. Moore, Jr.
Alice O. Day.	James H. Mooney.
Addie G. Dean.	Oscar W. Morgan.
Thelma H. Dinsmore.	Manola M. Nyma.
Iva M. Dunning.	James J. O'Donnell.
Helen B. Eldridge.	Amelia M. Pedrazzi.
Earle F. French.	C. E. William Peterson.
Clarence E. Fogg.	Harry P. Philpot.
Gladys L. Garland.	Adelaide A. Phoenix.
Florence L. Goron.	Lucy E. Pickering.
George W. Harding.	Paul C. Roberts.
Ada C. Harrington.	Frank A. Robinson.
Blanche L. Hayward.	Harry D. Stanchfield.
Geneva Hiltz.	George M. Starbird.

Elwood H. Stewart.  
Helen D. Spofford.  
C. Edith Taylor.  
Eva M. Thomas.  
Marian C. Thompson.

David S. Trench.  
George E. Urmston.  
Ruth J. Urmston.  
Frances R. Warsowe.  
F. Henry Whippen.

### Glines School.

Olive P. Banks.  
Catherine Bernice Baxter.  
Aristide C. Cadario.  
Basil Edward Fletcher.  
Frederic S. Gilley.  
Nina Geraldine Gray.  
Nathaniel Follett Hoxie.  
Edward F. Jacobs.  
Rebecca Preble Jones.  
James Leo Judge.  
John R. Kowall.  
David A. Long.  
Hazle H. Marsh.  
Edna L. Marston.  
Caroline S. Neiss.  
George Andrew Norton.

Viola F. Perry.  
Victoria Bernice Post.  
Carl A. Priebe.  
Henry G. Priebe.  
Norman S. Rennie.  
Frederick H. Rohrbacher.  
Esther L. Rundle.  
Charlotte M. Santarlaschi.  
Elizabeth T. Sargent.  
Lucille M. Sinclair.  
Marion L. Wheeler.  
Flora E. Whitehouse.  
Walter R. Whitehouse.  
Sumner Kennard Wiley.  
Ralph Lee Wilkinson.  
Leslie B. Woodman.

### Förster School.

Ralph E. Beacham.  
Joseph Bettencourt.  
Charles J. Brennan.  
Fred H. Brewster.  
Abbott M. Bryant.  
Ethel M. Bryant.  
Forrest F. Bursley.  
Gilbert Thomas Cass.  
Elva Cavanagh.  
Ralph B. Chute.  
Irene R. Comeau.  
Arthur J. Cook.  
Joseph B. Costa.  
Thelma Cummings.  
Harry Eugene Day.  
John H. Day.  
Raymond D. Dearborn.  
Frank J. Dooling, Jr.  
Harold R. Dugan.  
Olive M. Eastman.  
David P. Field.  
Thomas L. Freeman.  
Hector Bruce Gullion.  
Grace L. Hadley.  
Florence Hazel Handley.  
Arthur Clifford Havlin.  
Edward M. Hession.  
Lillian May Howard.  
Eben Russell Hubbard.  
Dorothy Kilborn Jones.  
Lillian Mae Kellen.  
Lillian Frances Kidder.

Edith Hill Leach.  
C. William Leighton.  
Carl S. Lund.  
Roy B. Lund.  
Louise Frances Magoon.  
Bernice Mabel Marchant.  
Henry St. George Mardon.  
Bertha Lovina Marshall.  
Nellie Frances McCarthy.  
Arthur T. McGilvrey.  
Annie M. McIntyre.  
Gertrude Pitman Milliken.  
Thomas J. Moore.  
Walter H. Moore.  
Irma Maude Neiley.  
Gladys E. Newton.  
Ruth Palmer.  
Irene M. Parker.  
Alice Mae Patterson.  
David McClure Paul.  
Isabel May Petrie.  
Norman A. Ray.  
Pauline Butler Ray.  
Annie Louise Reynolds.  
George E. Richter.  
Myron F. Robie.  
Perlie Rollins Simonds.  
Ruth Caroline Sproule.  
Mildred Kinsell Stoddard.  
Russell H. Stodder.  
Ruth Rhoda Stone.  
Annie J. Sullivan.

Frieda Sutter.  
 Helen N. Taber.  
 Laurence Dunham Trefry.  
 Bessie Margaret Upham.

Helen Frances Wallis.  
 Lelia Estelle Whittaker.  
 Edward R. Wilson.  
 William H. Wilson.

### Bingham School.

Stewart James Aldous.  
 Margaret F. Allen.  
 George Lewis Anderson.  
 Mary Magdalene Andrews.  
 Florence A. Baldwin.  
 Rose Catherine Bielis.  
 Leland A. Cahoon.  
 Mary V. Cody.  
 George Walter Colburn.  
 Gertrude Eleanor Connelly.  
 Elizabeth A. Doherty.  
 Eugene W. Driscoll.  
 Alice Josephine Dunford.  
 Mary G. Felix.  
 Edward Joseph Francis.  
 Albert Joseph Goguen.  
 Harry Goldenberg.  
 Joseph M. Horacek.  
 Hazel M. Hunt.  
 V. Gladys Jackson.

Thomas E. Keating.  
 Annie Theresa Kelleher.  
 Charles F. Lacey.  
 Marino Luciano.  
 Sarah C. Lynch.  
 Abbie Loretta McCarthy.  
 Charles C. McCarthy.  
 Sylvester Patrick McDonough.  
 Frances Evelyn McLaughlin.  
 Carrie Mortensen.  
 Mary Gertrude O'Lalor.  
 Alfred A. Phillion.  
 Mary E. Ring.  
 James M. Ronan.  
 Francis Edward Ryan.  
 Martha Salomon.  
 Maurice John Sexton.  
 Lillian M. Stacy.  
 Nora M. Sweeney.

### Carr School.

Estella Josephine Allen.  
 Raymond N. Allen.  
 Mary Catherine Arcanti.  
 Anthony Andrew Barbera.  
 Edwin Clark Bennett.  
 Amos Philip Bouchie.  
 Hall Bryant Carpenter.  
 Mary C. Colbert.  
 James Edward Connors.  
 Edith Lillian Cox.  
 Frederick Lowell Davis, Jr.  
 Joseph M. Donahue.  
 Thomas Addis Donovan.  
 Mary Agnes Dunleavy.  
 Madeline Ruth Dunning.  
 Raymond L. L. Ewell.  
 George M. Flynn.  
 Gladys Durell Fuller.  
 Everett Joseph Gibson.  
 William T. Gibson.  
 Guy Vivian Goodrich.  
 Hazel M. Graham.  
 Irving Gilmore Hall, Jr.  
 Mary Warren Holmes.  
 Harvey Perley Hood.  
 Edith A. Hutchinson.  
 Oscar Andrew Hyden.  
 Mary Jones.  
 Ruth Mildred Jones.

John P. J. Keating.  
 Marjorie Lane Kilgore.  
 John James Kilty.  
 Ethel Eleanor Lacey.  
 Marion F. Lawrence.  
 Edna Pearl Livingstone.  
 Catherine Alice McAllister.  
 William McLaughlin.  
 Robert Francis McVey.  
 Arthur Stomberg Magnusson.  
 Donald Hersey Merrill.  
 Willard Veazie Newton.  
 May Louise O'Neil.  
 Leo Peter O'Neill.  
 Mary A. O'Neill.  
 M. Adeline Plummer.  
 Helen Greenwood Powers.  
 Rose A. Quigley.  
 Francis James Shea.  
 Raymond D. Thiery.  
 Roland Ellsworth Waller.  
 Eleanor M. Walsh.  
 Morrill Wiggin.  
 Gertrude Maynard Willard.  
 Edward P. Winslow.  
 Esther A. Woodward.  
 Hazel Mildred Wright.  
 Mary E. Young.

**Morse School.**

Augusta S. Appleblad.	Mary Kerr.
Clifford H. Armstrong.	Lottie May Kinsman.
Dorothy M. Bean.	Arthur J. Larsson.
Marion Frances Calkins.	Bertha Irene Lawrence.
Howard J. Carter.	Wilfrid C. Macdonald.
Bertha J. Coffin.	Roderick MacLeod.
Phoebe H. Crawford.	Alexander P. McLellan.
Gladys Esther Crowe.	Marian H. Metcalf.
Herbert Arthur Dodge.	Helena F. Nangle.
Luke M. Dohanian.	Raymond M. O'Brien.
Doris Lorna Foley.	George R. Osborn.
Emma S. Freeman.	Arthur E. Pedersen.
Herbert Samuel Gaddis.	Clyde H. Philbrook.
Sadie J. Golden.	Ruth W. Potter.
Mary A. Graham.	Margaret Ethel Rose.
Sadie J. Graham.	Fred A. Schoenle.
Madeline F. Hamblett.	Hattie M. Smith.
Margaret F. Harrington.	Walter B. Stevens.
Mary H. Heavern.	Ralph Gustaf Swanson.
Alma M. Hellberg.	Irene Mae Trefren.
William F. Horgan.	Maurice Trustenitzer.
Evelyn Alice Horton.	Bertha May Turpin.
Nellie G. Jacques.	Lottie Lavinia Turpin.
William K. Johnson.	Gertrude Ellen Wilson.

**Brown School.**

William A. Anderson.	Elizabeth Frances McGovern.
Esther Bertha Bohlin.	Archie S. McKellar.
Harold H. Boodry.	Martin McLaughlin.
Lester Hubert Brigham.	Ruth Elizabeth Mercer.
Eugene Buckley, Jr.	John Miller.
Christopher Patrick Coffey.	Lilly Kathrine Mortenson.
Frances E. Coye.	Daniel D. Murphy.
Esther Louise Eaton.	Ina D. M. Nelson.
Lena C. Forbes.	Florence A. O'Donnell.
Zillah W. Freeman.	Leo Fred Paradis.
Rachel Nason Gordon.	Frederick John Parks.
Melba A. Graves.	Edith Amelia Pierson.
Florence Greenberg.	Reginald Radcliffe Rouse.
Walter W. Hanson.	Edwin Sleeper.
Harold Francis Heald.	Roy M. Simpson.
Lucy Viola Hennig.	Chester Browning Smith.
Paul Eddy Howland.	Ralph S. Taylor.
Olive Y. Jenkins.	James D. K. Thomson.
Frances Monica Victoria Kelly.	Fred Stewart Waugh.
Marion J. Lindsley.	Sidney Whitaker.
Lorene Pearl Lockman.	James J. Whitelaw.
Olvin Garland Lufkin.	Darrell Francis Wilkins.
Annie Catherine Macdonald.	Harry H. Wilson.
Judson G. Martell.	H. Clifton Wood.
John Edward McDonough.	Esther B. Wyman.

**Highland School.**

Josephine Belle Adler.	Norman S. Blanchard.
Dorothy Alice Akerley.	Mary J. Blaskovec.
J. Winslow Andrews.	Harriett Alice Brittain.

Stella Gertrude Bucknam.	Jessie Anne MacLellan.
Pauline Frances Bunker.	Lyman M. MacPhee.
Alice Evylin Bush.	Alice E. Martin.
Charles Leslie Cameron.	Harold James Maskell.
Libby Julia Cohen.	Raymond H. McAulay.
William Corliss Coogan.	Elsie M. McKinley.
Emily Isabelle Damery.	Marion Kendrick Mead.
Ruah Vivian DeWitt.	Alice M. Mitchell.
Gladys J. De Wolf.	Anna Agnes Mocklar.
John A. Dickerman.	Charlotte A. Morse.
Madeline Dodge.	Edward W. Moulton.
Minnie E. Downie.	Estelle Mable Munroe.
Joseph H. Ellis.	Ray Bates Northrop.
Elsie Baldwin Fancher.	Emily Philbrick.
Thomas Willard Flynn.	Carl H. Pierce.
William P. Ford.	Ruth Elizabeth Plant.
Wilfred Theodore Foster.	Eva Wray Powell.
William Ambrose Frink.	Herbert Marshall Robbins.
Earl S. Gott.	Stanley R. Russell.
Percy Fred Gould.	Theresa M. Rutledge.
Lewis Henry Hardy.	Harold L. Ryan.
Gertrude Herring.	Carl Victor Sammet.
Florence Mabelle Higgins.	Carrol W. Sawyer.
Mildred Hiltz.	George R. Skillin.
George Warren Hirshson.	Raymond Chester Smith.
Henry Chester Hobbs.	Allan W. Spiers.
Fred Leslie Howe.	Edith May Staples.
Ruth Myrtle Hutchinson.	Florence M. Starkey.
James R. S. Hyde.	Ruth Louise Stetson.
Walter H. Jackson.	Ethel M. Swain.
Mary Louise Keenan.	Frances V. Swain.
Madeline M. Kelley.	Leslie O. Swallow.
George Albert Kendall.	Elizabeth M. Thibodeau.
Oscar J. Kindlund.	Greta Tholander.
Eva Helen Larsen.	E. Viola Trask.
Olof Laubinger.	Emma Tutein.
Elizabeth M. Laurie.	Barbara Gertrude Maynard.
Eileen Maxie Leahy.	Mary Morton Washburn.
Mabel E. Lewis.	Alice L. Welch.
Winthrop H. Libby.	Harold E. Wells.
Thelma L. Littlefield.	George W. White.
Edna Frances MacDonald.	Charles Lowell Whitney.
George Henry Mack.	Florence C. Wilder.
Christine A. MacKinnon.	Elsa D. Wilde.
Alexander MacLellan.	Eleanor Adelaide Williams.

#### Hodgkins School.

Ronald R. Moore.	Beatrice M. Wilson.
Ralph E. Jones.	Mary Hoyt.
Walter R. Harding.	Doris Rockwell.
Ferdinand S. Roundy.	Agnes M. McCabe.
Philip B. Lewis.	L. Marguerite Wallace.
J. Earl Seamen.	Lillian A. Birchdale.
Victor H. Peterson.	Marion E. Irving.
James E. Robertson.	Ruth W. Gunsenhiser.
Richard K. Townsend.	Donald B. Stevens.
Jennie B. Frisbee.	David L. Young.
Gladys N. Evans.	Walter A. Bangs.
Frida C. Reitz.	Willard A. Savage.



J. Howard Atkins.  
Irving B. Hubbard.  
Frank S. MacGregor.  
Richard J. McNamara.  
Harold J. Robertson.  
Frances J. Luszcz.  
Marion E. Phalen.  
Edith M. Fraser.  
Bessie L. Perry.  
Dorothy Cook.  
Marion L. Brown.  
Dorothy Rockwell.  
Vera L. Mersereau.  
Minnie F. Falorny.  
Daisy C. Mickelson.  
Olive M. Bridges.  
Alice M. Vinal.  
Chauncey H. Earle.  
Harry E. Smith.

George F. Smiley.  
Lucian W. Mead.  
Herbert W. Merrow.  
George E. Campbell.  
Wylie L. Smith.  
Joseph H. Burbidge.  
Frank L. Alciere.  
Margaret Durkee.  
Annie V. Higgins.  
May C. Thomson.  
Alice M. Welch.  
Myrtle S. Hooton.  
Louisa M. Casassa.  
B. Lucile Quimby.  
Vivian J. Morse.  
Olive R. McCarthy.  
Sarah S. Dick.  
Rachel E. Sprague.  
Dorothy A. Record.

**Table 28.—ORGANIZATION OF SCHOOL BOARD, 1911.****School Committee.**

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.

**Board Meetings.**

January 30.	April 24.	September 25.	December 22.
February 27.	May 29.	October 30.	December 29.
March 27.	June 26.	November 27.	
		8.15 o'clock.	

**TABLE 28.—ORGANIZATION OF SCHOOL BOARD, 1911.—Concluded.****Standing Committees, 1911.**

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.

TABLE 29.—TEACHERS IN SERVICE JANUARY, 1911.

NAME AND RESIDENCE.	Salary.	Began Service.
<b>LATIN HIGH SCHOOL.</b>		
Central Hill.		
GEORGE L. BAXTER, Head Master, 27 Warren Avenue . . . . .	\$3,000	1867
Frank M. Hawes, Master, 257 School Street . . . . .	2,000	1879
Charles T. Murray, Master, 28 Franklin Street . . . . .	1,950	1887
G. M. Hosmer, Sub-Master, 13 Arlington Street . . . . .	1,600	1901
W. D. Sprague, Sub-Master, 16 Pleasant Avenue . . . . .	1,700	1906
F. H. Wilkins, Sub-Master, 61 Boston Street . . . . .	1,700	1906
Seth A. Loring, Sub-Master, No. Wilmington . . . . .	1,300	1911
Frances W. Kaan, 133 Central Street . . . . .	1,200	1882
Lena Gilbert, 51 Elmwood Street . . . . .	1,000	1892
Eudora Morey, 17 Batavia Street, Boston . . . . .	900	1874
Mabel G. Curtis, 49-A Trowbridge Street, Cambridge . . . . .	1,000	1903
F. Gertrude Perkins, 27 Everett Street, Cambridge . . . . .	900	1906
Natalie A. Smith, 60 Albion Street . . . . .	1,000	1909
Grace E. W. Sprague, 888 Massachusetts Avenue, Cambridge . . . . .	900	1909
Kate M. Munro, 156 School Street . . . . .	850	1908
Edith L. Hurd, 125 Central Street . . . . .	800	1910
Nancy B. Kimball, 207 Clifton Street, Malden . . . . .	800	1910
Julia T. Connor, 59 Church Street . . . . .	850	1911
<b>ENGLISH HIGH SCHOOL.</b>		
Central Hill.		
JOHN A. AVERY, Head Master, 22 Dartmouth Street . . . . .	\$2,900	1895
Everett W. Tuttle, Master, 62 Highland Avenue . . . . .	2,000	1895
Harry L. Jones, 137 Powder House Boulevard . . . . .	1,700	1896
Howard W. Poor, 27 Mt. Vernon Street, Reading . . . . .	1,700	1896
Harry F. Sears, 44 Orris Street, Melrose Highlands . . . . .	1,700	1901
Frederick O. Smith, 135 Powder House Boulevard . . . . .	1,700	1904
William W. Obear, 86 Belmont Street . . . . .	1,700	1906
Laurence A. Sprague, 17 Perkins Street, West Newton . . . . .	1,400	1906
John M. Jaynes, 29 Putnam Street . . . . .	1,300	1901
Stephen E. Wright, 43 Gray Street, Arlington . . . . .	1,400	1909
Roy W. Hatch, 30 Falmouth Street, Belmont . . . . .	1,400	1909
Guy C. Blodgett, 12 Highland Avenue . . . . .	1,200	1910
Augustus B. Tripp, 43 Greenville Street . . . . .	1,000	1909
S. Thomas Hall, Sharon . . . . .	1,000	1910
Horace Taylor, Brookline . . . . .	700	1910
Helen L. Follansbee, 40 Vinal Avenue . . . . .	1,200	1900
A. Marion Merrill, 66 Highland Avenue . . . . .	1,200	1895
Mrs. Mary C. Thurston, 271 Medford Street . . . . .	1,000	1898
Mary E. Hadley, 46 Westminster Avenue, Arlington Heights . . . . .	1,000	1897
Harriet E. Tuell, 10 Harvard Place . . . . .	1,000	1907
Elizabeth Campbell, 15 Pleasant Avenue . . . . .	1,000	1902
Mrs. Mary J. Wolcott, Jason Terrace, Arlington . . . . .	1,000	1895
A. Laura Batt, 66 Highland Avenue . . . . .	1,000	1895
M. Helen Teele, 11 Jason Street, Arlington . . . . .	1,000	1895
Clara A. Johnson, 177 Central Street . . . . .	1,000	1897
Bertha P. Marvel, 62 Highland Avenue . . . . .	1,000	1899
Elizabeth H. Hunt, Cambridge . . . . .	1,000	1908
Bessie D. Davis, 13 Mt. Vernon Street . . . . .	900	1901
Ella D. Gray, 147 Walnut Street . . . . .	900	1901
Nina A. Cummings, 47 Wallace Street . . . . .	900	1903
Nellie H. Swift, 82 Boston Street . . . . .	900	1904
Ruth Tousey, 106 Professors Row . . . . .	900	1904
Anna Pushee, 10 Harvard Place . . . . .	900	1904
Bessie L. Forbes, 92 Orchard Street . . . . .	900	1899
Bertha A. Raymond, 85 Central Street . . . . .	900	1900
Blanche S. Bradford, 161 Summer Street . . . . .	900	1903
Grace E. Burroughs, 83 Munroe Street . . . . .	900	1906
Mabel Butman, 68 Liberty Avenue . . . . .	900	1906
Grace Gatchell, 49 Vinal Avenue . . . . .	900	1906
Flora E. Anderson, 8-A Hancock Street . . . . .	900	1907
A. Marguerite Browne, Cambridge . . . . .	900	1908
Esther Parmenter, 12 Grand View Avenue . . . . .	800	1910
Annie C. Woodward, 150 School Street . . . . .	750	1906
Hattie May Baker, Medford Hillside . . . . .	700	1911
Mabell M. Ham, 41 Boston Street . . . . .	700	1906

TABLE 29.—Teachers in Service January, 1911.—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.	Emma M. Cate, 15 Fletcher Street, Winchester . . . . .	700	1882
7.	Edyth M. Grimshaw, Readville . . . . .	700	1909
6.	Mary L. Abbott, 102 Walnut Street . . . . .	700	1910
6.	Florence A. Eaton, 17 Pleasant Avenue . . . . .	700	1906
6.	*Georgia P. Wardwell . . . . .	700	1906
5.	Susie M. Hosmer, 31 Thurston Street . . . . .	700	1899
5.	Georgiana Smith, 21 Pleasant Avenue . . . . .	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, 21 Pleasant Avenue . . . . .	700	1904
SANFORD HANSCOM SCHOOL.			
Webster and Rush Streets.			
6, 5.	ELIZABETH M. COLLINS, Principal, 62 Highland Avenue . . . . .	\$950	1901
Asst.	Agness M. Travis, Winthrop Highlands . . . . .	700	1908
5, 4.	Mary B. Nelson, 17 Pleasant Avenue . . . . .	700	1906
4.	Mary V. Williams, 73 High Rock Street, Lynn . . . . .	700	1908
4, 3.	Frances E. Robinson, 89 Cross Street . . . . .	700	1908
3.	Jennie M. Twiss, 67 Berkeley Street . . . . .	700	1903
3.	Maude A. Nichols, 15 Pleasant Avenue . . . . .	700	1906
2.	Mattie L. Littlefield, 65 Glen St. . . . .	700	1897
1.	Phenie L. DuGar, 46 Vinal Avenue . . . . .	700	1907
1.	Mrs. Emma B. Jones, 18 Sargent Avenue . . . . .	700	1889
Kind'n.	Elizabeth J. Baker, 78 Highland Avenue . . . . .	600	1907
Asst.	Florence M. Shaw, 68 Central Street . . . . .	350	1909
INDUSTRIAL SCHOOL FOR BOYS (Day).			
Davis Bldg., Tufts Street.			
	E. Minor Morse, Principal, 34 Ware Street . . . . .	\$1,500	1910
	Charles W. Hurn, 18 Bartlett Street, Malden . . . . .	1,000	1910
CLARK BENNETT SCHOOL.			
Poplar and Maple Streets.			
5.	ANNIE E. McCARTY, Principal, 24 Stone Avenue . . . . .	\$1,000	1880
Asst.	Kate B. Gifford, 100 Central Street . . . . .	700	1902
5, 4.	Katherine Pike, 72 Rush Street . . . . .	700	1906
4.	Nellie F. Eaton, 15 Pleasant Avenue . . . . .	700	1906
3.	Katherine C. Connolly, 101 School Street . . . . .	700	1897
3.	Mrs. Nettie L. Fay, 67 Walnut Street . . . . .	700	1901
2.	Eleanor W. Nolan, 72 Rush Street . . . . .	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, 25 Monroe Street . . . . .	700	1906
Kind'n.	Caroline G. Baker, 40 Benton Road . . . . .	600	1896
Asst.	Alice M. Saben, 110 Pearl Street . . . . .	425	1903

\*Leave of absence.

TABLE 29.—Teachers in Service January, 1911.—Continued.

Grade.	NAME AND RESIDENCE.	Salary.	Began Service.
<b>GEORGE L. BAXTER SCHOOL.</b>			
Bolton Street.			
5.	MARY G. BLACKWELL, Principal, 45 Ibbetson Street . . . . .	\$775	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.	Mary T. McCarthy, 24 Preston Road . . . . .	425	1908
<b>OREN S. KNAPP SCHOOL.</b>			
Concord Avenue.			
9.	JOHN SHERBURNE EMERSON, Master, 3 Preston Road . . . . .	\$1,900	1894
9.	Mary J. Malaney, 18 Pleasant Avenue . . . . .	775	1908
9, 8.			
8.	Nellie Theresa McCarthy, Woburn . . . . .	700	1909
8.	Minnie A. Holden, 50 Columbus Avenue . . . . .	700	1906
7.	Clara B. Parkhurst, 22 Highland Avenue . . . . .	700	1889
7.	Clara B. Sackett, 35 Laurel 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	1911
4.	Annie E. Robinson, 61 Preston Road . . . . .	700	1876
3.	L. Gertrude Allen, 230 Washington Street . . . . .	700	1884
2.	Minnie Alice Perry, 267 Medford Street . . . . .	700	1891
<b>ALBION A. PERRY SCHOOL.</b>			
Washington Street, near Dane.			
6.	CATHERINE E. SWEENEY, Principal, 633 Broadway . . . . .	\$825	1901
5.			
4.	Irene Vincent, 47 Vinal Avenue . . . . .	700	1903
3.	Alice L. Reid, 37 Spring Street . . . . .	525	1910
2.	Charlotte Holmes, 9 Greene Street . . . . .	700	1899
1.	Mrs. Sarah E. Murphy, 21 Fountain Avenue . . . . .	700	1906
<b>CHARLES G. POPE SCHOOL.</b>			
Washington and Boston Streets.			
9.	GEORGE M. WADSWORTH, Master, Whitman . . . . .	\$1,900	1891
9.	Florence A. Chaney, 56 Boston Street . . . . .	775	1892
8.	Alice I. Norcross, 28 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, 28 Vinal 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, 1911. — Continued.

Grade.	NAME AND RESIDENCE.	Salary.	Began Service.
<b>LUTHER V. BELL SCHOOL.</b>			
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
6.	Mary F. Osborne, 67 Boston Street . . . . .	700	1908
6.	Mrs. Mabel T. Totman, 66 Highland Avenue . . . . .	700	1893
5.	Maribelle Curtis, 64 Vinal Avenue . . . . .	700	1895
5.	Emma F. Schuch, 25 Tufts Street . . . . .	700	1874
4.	Ella H. Buckman, 211 Summer Street . . . . .	700	1897
3.	Lucia Alger, 70 Berkeley Street . . . . .	700	1889
2, 1.	Blanche L. Paine, 11 Landers Street . . . . .	700	1905
<b>(JOHN A.) CUMMINGS SCHOOL.</b>			
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, 1.	Angeline Cann, Hotel Woodbridge . . . . .	700	1897
<b>(JOHN G.) EDGERLY SCHOOL.</b>			
Cross and Bonair Streets.			
9.	CHARLES E. BRAINARD, Master, 82 Munroe Street . . . . .	\$1,900	1889
9.	M. Eva Warren, 151 Walnut Street . . . . .	775	1906
8.	Annie L. Dimpsey, Hotel Woodbridge . . . . .	700	1891
8.	Mary E. Richardson, 214 Broadway . . . . .	700	1893
7.	Mabel C. Mansfield, 214 Broadway . . . . .	700	1893
7.	Isabelle M. Gray, 23 Webster Street . . . . .	700	1897
6.	Edith M. Snell, 4 Vine Street, Melrose . . . . .	700	1900
6.	G. Hortense Pentecost, 154 Walnut Street . . . . .	700	1905
5.	J. Louis Smith, 196 Washington Street, Lynn . . . . .	700	1896
4.	Lillian Nealley, 109 Glen Street . . . . .	700	1882
3.	Alice W. Cunningham, 62 Highland Avenue . . . . .	700	1901
2.	Martha M. Power, 37 Gleason Street, West Medford . . . . .	700	1890
<b>JACOB T. GLINES SCHOOL.</b>			
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
9.	Mary A. Lawry, 14 Maple Avenue . . . . .	725	1905
8.	Lilla M. Marble, 9 Oakland Avenue . . . . .	700	1902
7.	Louise V. Richardson, 26 Fellsway West . . . . .	700	1907
6.	Ellen A. Boynton, 9 Oakland Avenue . . . . .	700	1891
5.	Margaret A. Orr, 15 Blagden Street, Boston . . . . .	700	1890
5, 4.	Mary A. Goddard, 9 Winter Hill Circle . . . . .	700	1893
4.	Mrs. Carrie Armitage, 57 Madison Street . . . . .	700	1899
3.	Florence E. Baxter, 49 Hudson Street . . . . .	700	1891
3, 2.	Leslie Caverly, 210 Washington Avenue, Chelsea . . . . .	700	1908
2.	Anna G. Welch, 18 Grand View Avenue . . . . .	700	1897
1.	Isabel J. Tift, 37 Madison Street . . . . .	700	1892
Kind'n.	Mrs. Etta D. Ellsworth, 112 Newbury Street, Boston . . . . .	600	1897
Asst.	Ida M. Kane, 28 Fellsway West . . . . .	425	1905

TABLE 29.—Teachers in Service January, 1911.—Continued.

Grade.	NAME AND RESIDENCE.	Salary.	Began Service.
(CHARLES) FORSTER SCHOOL.			
Sycamore Street and Evergreen Avenue.			
9.	FRED C. BALDWIN, Master, 106 Sycamore Street . . . . .	\$1,200	1893
	Ernest R. Hager, Acting Master, Y. M. C. A. Bldg. . . . .	1,200	1910
9.	Irene S. Nightingale, 14 Court Street, Arlington . . . . .	775	1895
9.	Emma G. Blanchard, 146 Mass. Ave., Boston, Suite 622 . . . . .	725	1902
8.	Emma M. Damon, 63 Walnut Street . . . . .	700	1908
8.	Mary M. Badger, 11 Dartmouth Street . . . . .	700	1908
7.	Philena A. Parker, 27 Elmore St., Arlington Heights . . . . .	700	1908
7.	M. Edna Merrill, 228 Broadway . . . . .	650	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, 8 Fairview Terrace . . . . .	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.	Mabel G. Delano, 108 Cross Street . . . . .	700	1901
2.	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	1904
8.	Elizabeth J. Mooney, 168 Summer Street . . . . .	700	1894
8.	Jane Batson, 15 Florence Street, Malden . . . . .	700	1900
7.	Naomi E. Stevens, 134 Austin Street, Cambridge . . . . .	700	1902
7.	Lucy K. Hatch, 103 Glenwood Road . . . . .	700	1892
6.	Mary F. Mead, 35 Kidder Avenue . . . . .	700	1905
6.	Harriet F. Ward, 96 Sycamore Street . . . . .	700	1895
5.	Helen L. Galvin, Braintree . . . . .	700	1903
5.	Eva M. Barrows, 720 Broadway . . . . .	700	1903
4.	Bessie J. Baker, Malden . . . . .	700	1905
4.	Harriet M. Bell, 34 Bow Street . . . . .	700	1904
3.	Nellie R. Bray, 3 Oakland Avenue . . . . .	700	1897
3.	Priscilla A. Merritt, 96 Oxford Street . . . . .	700	1885
2.	Clara L. Griffiths, 39 Ames Street . . . . .	700	1902
2.	Mabel E. Mansir, 77 Albion Street . . . . .	700	1894
MARTIN W. CARR SCHOOL.			
Beech Street.			
9.	CHARLES G. HAM, Master, Watertown . . . . .	\$1,900	1898
9.	May E. Berry, 14 Billingham Street . . . . .	775	1880
9.	Clara D. Eddy, 23 Greene Street . . . . .	725	1902
8.	Mrs. Mary E. Soule, 124 Summer Street . . . . .	700	1901
8.	Harriet A. Hills, 14 Billingham Street . . . . .	700	1874
7.	Marion P. Crawford, 124 Summer Street . . . . .	700	1897
7.	Marie T. Smith, 15 Day Street . . . . .	700	1898
6.	Susie L. Luce, 21 Francesca Avenue . . . . .	700	1896
6.	Leila L. Rand, 47 Bartlett Avenue, Arlington . . . . .	700	1908
6.	Mary A. Haley, 117 Summer Street . . . . .	700	1867
5.	Grace T. Merritt, 47 Cherry Street . . . . .	700	1897
5.	Elizabeth S. Forster, 11 Preston Road . . . . .	700	1895
4.	Marie Neis, 41 Greenville Street . . . . .	700	1903
4.	Helen C. Gray, 135 Antrim Street, Cambridge . . . . .	700	1908
3.	Ethel F. Morang, 157 Lowell Street . . . . .	700	1898
3.	Annie B. Russell, 45 Russell Street . . . . .	700	1901
2.	Pearl F. Dame, 1 Ellsworth Street . . . . .	600	1906



TABLE 29.—Teachers in Service January, 1911.—Continued.

Grade.	NAME AND RESIDENCE.	Salary.	Began Service.
(ENOCH R.) MORSE SCHOOL.			
Summer and Craigie Streets.			
		\$1,900	1882
9.	MINA J. WENDELL, Master, 211-A Summer Street . . . . .	775	1897
9.	Alice E. Jones, 49 Laurel Street . . . . .	725	1900
9, 7.	Mrs. Harriette C. Hamilton, 219 Summer Street . . . . .	700	1906
8.	Mrs. M. Florence Eustis, 25 Greene Street . . . . .	700	1906
8.	Mrs. Clara A. Ball, 12 State Street, Cambridge . . . . .	700	1893
7.	Lennie W. Bartlett, 11 Preston Road . . . . .	700	1906
6.	Blanche E. Thompson, 108 School Street . . . . .	700	1890
5.	Lizzie E. Hill, 40 Magnolia Street, Dorchester . . . . .	700	1900
5.	Mrs. Agnes C. Rice, 20 Spring Hill Terrace . . . . .	650	1908
3.	Mrs. Cora F. Woodward, 49 Linden Avenue . . . . .	700	1900
3, 2.	Grace S. Russell, 1097 Broadway . . . . .	600	1907
1.	Emma M. McKinley, 65 Grove Street . . . . .		
GEORGE O. PROCTOR SCHOOL.			
Hudson Street.			
		\$900	1884
6.	NORA F. BYARD, Principal, 17 Gibbens Street . . . . .	700	1906
6, 5.	Alice G. Hosmer, 42 Boston Street . . . . .	700	1888
5.	Abbie A. Gurney, 70 Berkeley Street . . . . .	700	1888
4.	Ella P. McLeod, corner Forrest and Beacon Streets . . . . .	700	1903
4, 3.	Clara L. Hammond, 62 Chandler Street . . . . .	700	1894
3.	Edith L. Hunnewell, 23 Milton Street . . . . .	700	1906
2.	Mary S. Richardson, 13 Bartlett Street . . . . .	700	1905
1.	L. Margaret Potter, 56 Norfolk Street, Cambridge . . . . .		
GEORGE W. DURELL SCHOOL.			
Beacon and Kent Streets.			
		\$775	1902
4.	ABIGAIL P. HAZELTON, Principal, 14 Billingham Street . . . . .	700	1907
3.	Bessie I. Sutton, 50 Wendell Street, Cambridge . . . . .	700	1893
2.	Carrie T. Lincoln, 79 Marshall Street . . . . .	700	1887
1.	Mary Winslow, 23 Hall Street . . . . .		
MARK F. BURNS SCHOOL.			
Cherry Street, near Highland Avenue.			
		\$900	1883
7.	LAURA J. BROOKS, Principal, 31 Stevens Street, Stoneham . . . . .	700	1897
6.	Cara M. Johnson, 13 Wendell Street, Cambridge . . . . .	700	1885
5.	Minnie S. Turner, 153 Lowell Street . . . . .		
4.			
3.	Annie L. Brown, 281 Summer Street . . . . .	700	1890
3, 2.	Mary E. Lacy, 63 Cherry Street . . . . .	700	1896
2.	Ardelle Abbott, 71 Craigie Street . . . . .	700	1893
1.	Alice E. Morang, 157 Lowell Street . . . . .		
BENJAMIN G. BROWN SCHOOL.			
Willow Avenue and Josephine Avenue.			
		\$1,750	1901
9.	GEORGE I. BOWDEN, Master, 6 Holton Street, Medford . . . . .	775	1897
9.	Annie G. Smith, 59 Maple Street, Malden . . . . .	700	1904
8.	Mrs. Phebe E. Mathews, 159 Morrison Avenue . . . . .	600	1911
7.	Edith G. Watts, Arlington Heights . . . . .	700	1900
6.	Alice R. Gould . . . . .	700	1901
5.	Grace J. Alexander, 70 Highland Avenue . . . . .	700	1899
4.	Edna M. Proctor, 93 Revere Street, Boston . . . . .	700	1910
3.	Ida M. Record, 70 Highland Avenue . . . . .	600	1900
3, 2.	Anna B. Lattin, Everett . . . . .	700	1900
2.	Mrs. Grace H. Bliss, 28 Russell Road . . . . .	700	1900
1.	Rena H. Wiley, 31 Brastow Avenue . . . . .	700	1906

TABLE 29.—Teachers in Service January, 1911.—Continued.

Grade	NAME AND RESIDENCE.	Salary.	Began Service.
<b>HIGHLAND SCHOOL.</b>			
Highland Avenue and Grove Street.			
9.	AARON B. PALMER, Master, 18 Bay State Avenue . . . . .	\$1,900	1905
9.	Grace M. Clark, 10 Vernon Street, West Medford . . . . .	775	1893
9.	Marguerite Burns, 56 Hall Avenue . . . . .	725	1907
8.	Mary L. Bryant, 24 Hall Avenue . . . . .	700	1903
8.	Mrs. Nellie G. Stewart, 223 Morrison Avenue . . . . .	700	1908
7.	Elsie M. Ross, 14 Irving Street . . . . .	700	1908
7.	Sarah E. Pray, 126 Orchard Street . . . . .	700	1877
7.	Charlotte M. Canfield, 14 Irving Street . . . . .	700	1909
6.	Lillian F. Richardson, 33 Wallace Street . . . . .	700	1904
6.	Marie Clifford, 10 Mellen Street, Cambridge . . . . .	700	1907
5.	Katie D. Greenleaf, 14 Irving Street . . . . .	700	1908
5.	Mary H. Joyce, 76 Boston Street . . . . .	700	1891
4.	Edda C. Locke, 22 Francesca Avenue . . . . .	700	1908
<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, 6 Warner Street . . . . .	700	1909
7.	Lilla E. Mann, 122 Orchard Street . . . . .	700	1902
7.	Mrs. Gertrude W. Leighton, 168 Lowell Street . . . . .	700	1895
6.	Luanna B. DeCatur, 2 Curtis Street . . . . .	700	1909
6.	Beatrice A. Randall, 14 Oxford Street, Cambridge . . . . .	700	1905
5.	Flora A. Burgess, Arlington Heights . . . . .	700	1894
5, 4.	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, 9 Putnam Street . . . . .	700	1903
1.	Elizabeth L. Hersey, Boston . . . . .	700	1896
<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
<b>MARTHA PERRY LOWE SCHOOL.</b>			
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.	Clara G. Hegan, 100 School Street . . . . .	700	1897
1.	Martha A. Jencks, 96 Orchard Street . . . . .	700	1898
<b>EVENING SCHOOL PRINCIPALS.</b>			
	WILLIAM D. SPRAGUE, High . . . . .	\$6.00	
	JOHN S. EMERSON, Bell . . . . .	4.00	
	CHARLES E. BRAINARD, Highland . . . . .	3.00	

TABLE 29.—Teachers in Service January, 1911.—Concluded.

Grade.	NAME AND RESIDENCE.	Salary.	Began Service.
	CADET TEACHER.		
	Elinor Neilon, 14 Cambria Street . . . . .	\$200	1910
	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.			
	SEWING.		
8-5.	Mary L. Boyd, 62 Thurston Street . . . . .	700	1888
8-5.	Emma J. Ellis, 54 Marshall Street . . . . .	700	1900
8-5.	*Bertha P. Paul, 23 Monmouth Street . . . . .	700	1900
8-5.			
	PENMANSHIP.		
9-1.	William A. Whitehouse, 182 Highland Avenue . . . . .	1,500	1895
	MANUAL TRAINING.		
	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
	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

\*Leave of absence.

TABLE 30.—OFFICERS, ETC., IN SERVICE JANUARY, 1911.

NAME AND ADDRESS.	Salary.
Charles S. Clark, 82 Munroe Street . . . . .	\$3,000
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 . . . . .	1,250
Jairus Mann, 80 Porter Street . . . . .	50

TABLE 31.—SCHOOL JANITORS, JANUARY, 1911.

School.	Name.	Residence.	Salary
High Schools, S . . . . .	John H. Kelley	7 Madison St.	\$25.00
High Schools, assistant . . . . .	Joseph Young	47 Oxford St.	19.50
High Schools, assistant . . . . .	William H. Kelley	10 Lee St.	16.00
High Schools, assistant . . . . .	Lewis G. Keen	56 Prescott St.	20.00
High Schools, fireman . . . . .	Edwin Adler	22 Robinson St.	15.00
Prescott, S, 12 . . . . .	George A. McGunnigle	50 Pearl St.	16.00
Hanscom, S, 10 . . . . .	John J. Kilty	662 Somerville Avenue	15.00
Davis, F, 4 . . . . .	George H. Clapp	35-A Franklin St.	12.00
Bennett, S, 12 . . . . .	Daniel T. Campbell	10 Stone 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.	16.00
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 . . . . .	James L. Whitaker	146-R Sycamore St.	16.00
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 Q. 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	College Ave.	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 schools are heated by a single plant in Latin building.



TABLE B. — Distribution of Pupils, 14 but Not 15, October 1, 1910.

	NUMBER OF GRADES												Total
	2	3	4	5	6	7	8	9	10	11	12	13	
Latin .....	..	..	..	..	..	..	..	..	72	26	5	..	103
English .....	..	..	..	..	..	..	..	..	143	42	1	..	186
Prescott.....	..	..	..	1	4	8	12	13	..	..	..	..	38
Hanscom.....	..	..	1	..	..	..	..	..	..	..	..	..	1
Davis.....	..	..	..	..	..	..	..	..	..	..	..	..	..
Bennett.....	1	1	..	..	..	..	..	..	..	..	..	..	2
Baxter.....	..	..	..	..	..	..	..	..	..	..	..	..	..
Knapp.....	..	..	..	..	3	11	16	25	..	..	..	..	55
Perry.....	..	..	..	..	..	..	..	..	..	..	..	..	..
Pope.....	..	..	..	..	2	4	17	13	..	..	..	..	36
Bell.....	..	..	..	1	1	5	9	24	..	..	..	..	40
Cummings...	..	..	..	..	..	..	..	..	..	..	..	..	..
Edgerly .....	..	..	..	..	5	3	16	15	..	..	..	..	39
Glines.....	..	..	..	1	2	4	5	24	..	..	..	..	36
Forster .....	..	..	..	..	2	7	14	32	..	..	..	..	55
Bingham.....	..	1	..	1	6	7	17	19	..	..	..	..	51
Carr.....	..	..	..	1	8	7	15	25	..	..	..	..	56
Morse .....	..	..	..	..	2	5	12	14	..	..	..	..	33
Proctor .....	..	..	1	2	1	..	..	..	..	..	..	..	4
Durell.....	..	1	..	..	..	..	..	..	..	..	..	..	1
Burns.....	..	..	..	..	1	1	..	..	..	..	..	..	2
Brown.....	..	..	..	..	2	1	10	16	..	..	..	..	29
Highland....	..	..	1	1	3	10	24	39	..	..	..	..	78
Hodgkins....	..	..	..	1	5	8	18	30	..	..	..	..	62
Lincoln.....	..	..	..	..	..	..	..	..	..	..	..	..	..
Lowe.....	..	..	..	..	..	..	..	..	..	..	..	..	..
Total by grades	1	3	3	9	47	81	185	289	215	68	6	0	907
P. C. by "	.001	.003	.003	.01	.051	.089	.206	.318	.237	.075	.006	0	.999

TABLE C.—Number of Books in Use in the City, December, 1910.

SCHOOL.	Arithmetics.	Geographies.	Dictionaries.	Histories.	Language.	Music.	Spellers.	Physiology.	Reading Books.	Miscellaneous.	Charts and Maps.	Total.
Prescott . .	473	589	379	217	500	784	614	220	2,957	507	38	7,278
Hanscom . .	218	137	63	50	202	457	347	80	1,550	499	17	3,620
Bennett . .	431	278	67	17	141	487	467	89	2,008	489	7	4,472
Baxter . .	189	123	111	23	103	268	231	24	1,635	29	13	2,749
Knapp . .	1,063	657	433	603	629	1,020	638	211	2,559	1,352	62	9,227
Perry . .	136	187	100	48	150	349	291	55	1,146	156	18	2,636
Pope . .	583	559	391	399	434	673	546	187	2,722	1,064	32	7,590
Bell . .	520	413	383	290	462	608	597	249	1,614	160	23	5,319
Cummings .	222	73	2	0	46	186	143	31	853	118	6	1,680
Edgerly . .	721	475	376	363	562	873	600	217	3,291	412	15	7,905
Glines . .	474	502	365	278	397	826	583	110	1,793	520	19	5,867
Forster . .	1,127	863	545	554	699	1,171	860	236	5,155	231	47	11,488
Bingham . .	697	470	416	233	551	911	745	125	2,095	648	50	6,941
Carr . .	655	625	513	425	602	942	835	209	3,652	186	42	8,686
Morse . .	870	521	396	485	431	933	781	203	3,444	1,017	31	9,112
Proctor . .	253	158	164	85	267	430	380	50	2,223	112	10	4,132
Durell . .	176	82	4	0	51	207	150	29	956	267	10	1,932
Burns . .	463	259	166	125	206	442	305	61	2,312	543	19	4,891
Brown . .	467	277	259	161	314	633	559	125	2,060	206	23	5,084
Highland .	850	670	638	429	688	913	678	175	2,354	1,582	40	9,017
Hodgkins .	6·9	519	472	424	591	958	694	243	3,232	264	38	8,124
Lincoln . .	2	29	2	0	1	175	193	4	1,694	261	0	2,361
Lowe . .	51	109	8	0	51	382	359	28	1,565	332	2	2,887
Atypical . .	15	0	0	0	0	1	24	2	248	2	0	292
Total . . .	1,135	8,575	6,253	5,209	8,078	14,629	11,620	2,954	53,118	10,957	562	133,290
Bell Eve. .	212	54	22	16	131	0	42	0	288	787	0	1,552
Highland Eve.	94	0	9	30	52	0	54	0	252	102	0	592
Total . . .	306	54	31	46	183	0	96	0	540	889	0	2,145
Grand Total Elementary .	11,641	8,629	6,284	5,255	8,261	14,629	11,716	2,954	53,658	11,846	562	135,435

## High School Books.

	English.	French.	German.	Latin.	History and Civics.	Greek.	Mathematics.	Science.	Commercial.	Elocution.	Miscellaneous.	Total.
Latin . .	1,925	1,006	1,287	2,037	685	455	749	191	....	....	325	8,660
English . .	3,992	3,469	1,140	1,198	2,569	....	1,323	789	1,191	1,169	983	17,823
Total . . .	5,917	4,475	2,427	3,235	3,254	455	2,072	980	1,191	1,169	1,308	26,483
Eve. High .	460	155	48	....	....	....	47	43	526	....	....	1,279
Grand Total High . . . .	6,377	4,630	2,475	3,235	3,254	455	2,119	1,023	1,717	1,169	1,308	27,762

**TABLE D.—AMENDMENTS TO THE RULES OF THE SCHOOL COMMITTEE.**

MADE SINCE MAY, 1906.

**Regulations for Licensing Minors Under Fourteen Years of Age.**

SECTION 167. No minor under the age of fourteen years shall in any street or public place of the city of Somerville work as a bootblack, or sell or expose for sale any books, newspapers, pamphlets, fuel, fruits, provisions, ice, live animals, brooms, agricultural implements, hand tools used in making boots and shoes, agricultural products of the United States, or the products of their own labor or the labor of their families, unless he has a minor's license issued to him by the Superintendent of Schools of said city, for so working or for so selling said articles, nor unless he complies with the terms of said license.

SECT. 168. The principal of the school in which a minor under the age of fourteen years is a pupil shall receive the application, in duplicate, of the parent or guardian of such a minor, or next of kin, for a license for such minor to work as a bootblack, or to sell any or all the articles enumerated in the preceding section, and shall forward the same to the Superintendent of Schools, accompanied by the certificate of the teacher in whose class said minor may be, and of the said principal, that such minor is an attendant at such school and that they approve of the granting of a license to said minor. When the Superintendent authorizes the issue of a license, he shall return to said principal one of said duplicate applications, for filing, retaining the other, and shall issue said license to such minor authorizing said minor to go about from place to place in the city of Somerville and on the sidewalks in said city to sell newspapers, or to work as a bootblack, or in the streets and other public places in said city to sell any or all of the other articles enumerated in the preceding section, and shall provide such minor with a suitable badge, for which a charge of twenty cents shall be made. Every such license shall be issued and accepted on condition that the minor shall comply with the conditions of his license as contained in the following section, and said section shall be printed in the license.

SECT. 169. The minor shall conform to the statutes and the Regulations of the School Committee of Somerville; shall, so long as he continues under the age of fourteen years, attend, during every session thereof, one of the public schools, or some regularly established school in the city of Somerville; shall surrender his license and badge when notified that his license has been revoked, to the principal aforesaid, who shall return the same immediately to the Superintendent; shall not



transfer or lend his license or badge, nor furnish any unlicensed minor with newspapers or other articles to sell; shall not sell newspapers in or on any part of the street other than the sidewalk; shall not sell newspapers in or on a street car, nor, except on the days of national, state, or city elections, after 8 o'clock in the evening; shall not work as a bootblack, or sell newspapers, unless he is over eleven years of age; shall not sell any other article than newspapers, unless he is over twelve years of age; shall not at any time, while engaged in working as a bootblack, or selling articles in public places, congregate with other persons, nor make any unnecessary noise, nor in any way disturb or annoy persons as they pass, nor cry their papers on Sunday, nor occupy any stand with any other person, nor allow any unlicensed minor to assist or accompany him, nor allow idle persons to assemble or congregate around him, or around any stand occupied by him, nor so work or sell in any place other than that specified in his license, when a place is so specified, nor at any time, while so working or selling, fail to wear conspicuously in sight the badge furnished to him by said Superintendent, nor fail to exhibit his license to any police or other officer of said city if requested by him to do so. The Superintendent may suspend or revoke said license upon the violation of any of the conditions thereof, and the minor shall surrender his badge and will be subject to a fine.

### **Amendments Concerning the Employment of Cadet Teachers**

**ADOPTED DECEMBER, 1906.**

SECTION 170. Before the opening of the schools in September of each year the Committee on Text-Books and Courses of Study shall nominate for election by the Board not more than twelve women who shall be designated as cadet teachers, to serve for one year following their appointment, at a salary not to exceed \$200 per year each.

To be eligible for the position of cadet teacher, the candidate must be a graduate of one of the Somerville high schools, and also a graduate either of some state normal school or of some college having pedagogical courses, one or more of which courses the candidate must have taken.

SECT. 171. The cadet teachers shall be assigned by the Superintendent to an equal number of elementary schools, and the assignments shall be changed at the end of each term of thirteen weeks, so that by the close of the school year each cadet teacher will have practiced under the direction and observation of three different principals in three different school buildings.

Cadet teachers shall receive guidance, instruction, and

criticism from the principals of the schools in which they serve, render assistance to class teachers or to individual pupils, and whenever possible act as substitutes in the absence of regular teachers. They shall receive no increase of pay when acting as substitutes.

SECT. 172. Such of these cadet teachers as secure the recommendation of three out of four of the following officials: the three principals under whom they have served during their cadet year and the Superintendent of Schools, shall be eligible as grade teachers.

**The following Amendments to the Rules were adopted December, 1906.**

On page 6, insert as the twenty-first standing committee "(21) On Medical Inspection."

On page 12, add as Section 32b the following:—

SECTION 32b. The Committee on Medical Inspection of the schools shall advise and co-operate with the Board of Health in all matters pertaining to the medical inspection of the schools. They shall see that all orders and requests of said Board are properly executed by teachers. The annual test of the sight and hearing of pupils required by Statute shall be made by teachers under direction of this committee.

The following sentence was added to Section 80 of the Rules:—

They shall see that fire-drills are practiced in their respective buildings at least once in every two weeks, provided that the weather conditions are suitable.

SECTION 44 of the Rules was amended by making the first sentence of the second paragraph read as follows. Adopted April, 1907:—

He shall annually publish and send to each member of the Board a complete list of all books, charts, maps, and globes with the number of each kind belonging to the city.

Section 2 of the Rules was amended by changing "nominated" in the second line to "appointed," and striking out the second sentence, so that the section reads as follows:—

SECTION 2. The Standing Committees of the Board shall be appointed by a committee consisting of the Chairman and Vice-Chairman, and a third member of the Board to be selected by them.

Adopted March, 1908.

### Amendments Concerning Salaries of Teachers

ADOPTED SEPTEMBER, 1908.

#### Salaries of Teachers.

SECTION 56. The salaries paid to teachers and other employees of the Board shall be as follows:—

*High Schools.* Teachers in the high schools are designated as head masters, masters, sub-masters, junior sub-masters, and first, second, third, and fourth assistants, who shall be paid in accordance with the following schedule:—

	1st yr.	2nd yr.	3rd yr.	4th yr	5th yr.	6th yr.	7th yr.	8th yr.
Head Master .....	\$2,300	\$2,400	\$2,500	\$2,600	\$2,700	\$2,800	\$2,900	\$3,000
Master .....	1,800	1,850	1,900	1,950	2,000	.....	.....	.....
Sub-Masters.....	1,000	1,100	1,200	1,300	1,400	1,500	1,600	1,700
Junior Sub-Masters.....	1,000	1,050	1,100	1,150	1,200	1,250	1,300	.....
First Assistants.....	1,000	1,050	1,100	1,150	1,200	.....	.....	.....
Second Assistants .	900	950	1,000	.....	.....	.....	.....	.....
Third Assistants.....	650	700	750	800	850	900	.....	.....
Fourth Assistants.....	As may	be dete	rmined	by vote	.....	.....	.....	.....

Fourth assistants in the high schools may be appointed by the Board at such salary as it may determine, on recommendation of the standing committee of the high schools.

SECTION 57. *Grammar and Primary Schools.* Teachers in grammar and primary schools shall be paid annual salaries according to the following schedule:—

	1st year	2d year	3rd year	4th year	5th year	6th year	7th year	8th year	9th year
Masters .....	\$1,500	\$1,550	\$1,600	\$1,650	\$1,700	\$1,750	\$1,800	\$1,850	\$1,900
Masters' Assistants .....	700	725	750	775	.....	.....	.....	.....	.....
First Eight Grades.....	375	450	525	600	650	700	.....	.....	.....
Ninth Grade.....	625	650	675	700	725	.....	.....	.....	.....
Head Kindergartners .....	300	375	450	525	600	.....	.....	.....	.....
Assistants not in charge of room	200	275	350	425	.....	.....	.....	.....	.....
Principals, 12-room buildings...	800	850	900	950	1,000	.....	.....	.....	.....
Principals, 10-room buildings...	750	800	850	900	950	.....	.....	.....	.....
Principals, 8-room buildings....	750	800	850	900	.....	.....	.....	.....	.....
Principals, 6-room buildings....	725	775	825	.....	.....	.....	.....	.....	.....
Principals, 4-room buildings....	675	725	775	.....	.....	.....	.....	.....	.....

SECTION 58. *Supervisors and Special Instructors,* and other employees shall be paid annual salaries according to the following schedule:—

	1st year	2d year	3rd year	4th year	5th year	6th year	7th year	8th year	9th year
Teachers of Music in high school and upper grammar grades.....	\$1,200	\$1,300	\$1,400	\$1,500	\$1,600	\$1,700	....	....	....
Supervisor of Music in lower grades	700	800	900	1,000	....	....	....	....	....
Supervisor of Drawing.....	700	800	900	1,000	....	....	....	....	....
Supervisor of Penmanship.....	800	900	1,000	1,100	1,200	1,300	\$1,400	\$1,500	....
Sewing Teachers.....	500	550	600	650	700	....	....	....	....
Manual Training Teachers, for five hours daily*.....	1,100	....	....	....	....	....	....	....	....
Permanent Substitutes in grades below the ninth.....	375	450	525	600	650	700	....	....	....
Temporary Substitutes in grades below the ninth.....	1.50	to	2.50	per	day	....	....	....	....
Temporary Substitutes in high schools, ninth grades, or for principals.....	....	....	3.00	per	day	....	....	....	....
Substitutes for Masters or Sub-Masters.....	....	....	5.00	per	day	....	....	....	....
First Truant Officer.....	1,000	1,100	1,200	1,300	....	....	....	....	....
Second Truant Officer.....	50	....	....	....	....	....	....	....	....
Superintendent of Schools.....	2,500	2,600	2,700	2,800	2,900	3,000	....	....	....
Superintendent's Clerk.....	600	650	700	750	....	....	....	....	....

\* \$1,400 for six hours daily.

† He to furnish and maintain his own team.

SECTION 61. The salary of any teacher or other employee of the School Committee shall be fixed by the Committee at the time of election. It may be fixed at the minimum, at the maximum, or at any intermediate sum provided for in the foregoing schedules, except that no teacher shall receive the maximum salary who has not had at least five years of teaching experience. Graduation at a normal school shall be considered equivalent to a year of teaching experience.

Increase of salaries shall commence at the monthly period of payment next succeeding the end of each year of service.

### Amendments Concerning Vacations and Evening Schools

ADOPTED SEPTEMBER, 1908.

SECTION 152. The first term of the evening school shall begin on the first Monday of October and continue ten school weeks. The second term shall begin on the date of the opening of the day schools after the Christmas vacation, and shall continue ten school weeks. The term of any school may be shortened by the Evening School Committee. The sessions of the evening schools shall be held on such evenings as may be determined upon by the Evening School Committee.

SECTION 112. The following shall be the holidays and vacations granted to all the schools:—

*Holidays.*—Every Saturday; Thanksgiving Day, together with the afternoon preceding and the Friday following it; February 22; Patriots' Day; Memorial Day; June 17. Whenever any holiday falls on Sunday, the schools shall be closed on the following day.

*Vacations.*—The week in which the 25th of December occurs; the two weeks that separate the last twenty-four weeks of the school year into three terms of eight weeks each; from the close of the school year to the time fixed for its beginning.

The Chairman of the School Committee may dismiss all the schools on extraordinary occasions of general interest.

#### **Miscellaneous Amendments.**

Section 130 of the Rules was amended to read as follows:—

Kindergartens may be established and maintained by the Board whenever it is deemed wise.

*Adopted May 24, 1909.*

Section 58 was amended by substituting the sum of \$1,350 for the sum of \$1,300 as the maximum salary of the truant officer, he to furnish and maintain his own team.

*Adopted November 29, 1909.*

The following was substituted for Section 116:—

There shall be twenty-five minutes of recess in the high schools at such time as the head master shall choose.

In elementary schools there shall be a recess of ten minutes midway of the morning session.

In the first three grades of the elementary schools there shall be a recess of seven minutes midway of the afternoon session. This recess may be allowed in other grades of elementary schools by the principal.

Pupils shall not be required to take an open-air recess in inclement weather.

No pupil shall be deprived of any portion of the regular recess of his class.

*Adopted November 29, 1909.*

Section 3 was amended by adding after the words "Medical Inspection" the words "and Hygiene," and by adding after the words "different wards" the words "except the Committee on Industrial Education, which shall consist of five members."

*Adopted February 21, 1910.*

Section 110 was amended to read as follows:—

The public schools of Somerville shall be classified as Kindergartens; Primary Schools, containing the first, second, and third grades; Grammar Schools, containing grades four to eight inclusive; the English and Latin High Schools, containing four grades, to be designated as the first, second, third, and fourth classes, the first being the ninth grade, or entering class; Elementary Evening Schools for persons over fourteen years of age; and an Evening High School.

*Adopted April 25, 1910.*

Section 84 was amended by substituting the following:—

No teacher shall be absent from duty except for personal illness or emergency, unless permission has first been obtained from the Superintendent, and the Superintendent shall be notified of the time when the teacher may be expected to resume his or her duties.

*Adopted October 31, 1910.*

Section 117, second paragraph, was amended to read as follows:—

Beginners shall be admitted to the first grade during the months of September and February. Any child six years of age, or who will attain that age before the first of October following, shall be eligible for admission in September. Any child six years of age, or who will attain that age before the first of March, shall be eligible for admission in February.

Section 131 was amended to read as follows:—

Children between five and six years of age may be admitted to the kindergarten nearest their homes during the months of September and February.

Section 134 was amended to read as follows:—

Regular class promotions in the schools shall be made at the end of and in the middle of the school year, according to the judgment of the class teacher, the principal, the Superintendent, and the District Committee.

Section 114 was amended by striking out the last three lines and substituting therefor the following:—

The storm signal for the high schools shall be struck at 7.15 or at 11.45 a. m.; for all other schools, forty-five minutes before the opening of the session.

*Adopted December 30, 1910.*

### **Trade School for Girls.**

[Extracts from the report of an investigation of conditions in Somerville affecting girls who leave school to go to work, made under the direction of the State Board of Education, December, 1910.]

A study of Somerville for the purpose of discovering the need of and opportunity for trade training for girls reveals a unique situation which is, however, characteristic of certain smaller cities located within the range of greater Boston. While Somerville is a political entity, it is distinctly a suburb, "merely a sleeping place for Boston," as is often said. But it is also discovered to be a sleeping place for Cambridge. Therefore, while Somerville is an industrial, economic, and social dependence of Boston, it is also an industrial dependence of Cambridge, resulting in an exchange of work and worker, and offering opportunity for an interchange of custom and customer.

Because of its proximity to Boston, high grade skilled work of Somerville, such as dressmaking and millinery, has developed to a small degree because of competition in these lines from Boston. The large stores of Boston, and the factories of both Boston and Cambridge have, likewise, provided an outlet for the capital and the industrial classes of Somerville, and probably explains, to some extent, the small number of industries in Somerville. Somerville is therefore distinctly unique in that it not only sends out its skilled workers to another city such as Boston, but also sends out its unskilled workers to another city such as Cambridge.

Three definite lines of attack have been followed in making the study of the need of and opportunity for trade training for girls. First, it seemed necessary to take a general view of all kinds of industries employing women. Second, to intensify on those trades which seemed to offer to women workers the greatest opportunity for self-development and advancement. Third, to follow up the girls to their homes and to some of the factories in which they worked, whether in Somerville, Cambridge, or Boston.

The jewelry factories of Somerville, the confectionery and rubber factories and the book binderies of Cambridge are the largest factorized women-employing industries of the two cities. Visits were made to the four jewelry factories of Somerville, employing about 280 women exclusive of homeworkers, the one confectionery factory of Somerville, and three in Cambridge employing about 500 women, two rubber factories in Cambridge and Watertown, employing more than 1,700 women, and five book binderies and presses in Cambridge, employing more than 1,000 women. A more comprehensive study of the trades offering higher grade of work was attempted and visits were made to the two clothing factories of Somerville, thirteen milliners and some ten dressmakers representing all of those who employed girls and a number of independent workers. However, these better industries show very little development in Somerville, and draw almost no young girls just out of school.

The factorized industries of Somerville and Cambridge and the mercantile establishments of Boston draw the majority of the young girls of fourteen or sixteen from the schools.

Two hundred fifty-one girls under sixteen left the public schools of Somerville to go to work during the past year. Four years ago, one hundred eighty-seven girls applied for employment certificates, an increase of thirty-four per cent.

The significance of this fact becomes apparent when it is discovered that there was an increase of only thirteen per cent. in the population in the past five years. A similar situation was discovered in Worcester where an increase of forty per cent. in the number of girls leaving school was discovered as compared with an increase of only ten per cent. in the population.

Is this exodus of physically and mentally immature workers an economic necessity? Is it an ultimate benefit to the child? Is it an economic advantage to the employer? In fact, what is the cause of the increase in the number of girl workers who leave school as soon as the law allows? Such are the questions which these facts force us to meet.

These facts concern us all the more when we discover that sixty per cent. of the girls who left school to go to work in the past year were only fourteen years of age ; that there seems to be a marked increase in the number of fourteen-year-old girls leaving school in proportion to the total number of girls of that age. The public-school records for 1906 and 1910 show a practically static condition in the number of fourteen-year-old girls in school. Yet there was an increase of thirty-four per cent. in the number of fourteen-year-old girls going to work in 1910 over 1906.

Let us stop for a moment to see what this annual outgo of more than 251 girls under sixteen means to the community as well as to the girls. Are they prepared to take their place in the labor world, and what sort of preparation should they have had?

Nine per cent. of these girls have gone beyond the grammar grades, while seven per cent. left school before reaching the sixth grade. Almost two-fifths dropped out in the sixth and seventh grades alone, and almost seven-tenths left before reaching the ninth grade. Thirteen per cent. graduated from the grammar school and then went to work, while seven per cent. took out age and school certificates, but later returned to school. Somerville, therefore, shows a larger proportion of girls dropping out before the ninth grade than a manufacturing city like Worcester, where more than one-half of the girls leaving in the past year had not reached the ninth grade.

Personal visits to 146 homes showed that fifty per cent. of the girls might have gone on or did go back to school, sixty-three per cent. came from intelligent families, while fully fifty per cent. of these girls came from really comfortable homes, a higher proportion again than was discovered in Worcester. Thirty-five per cent. of those going to work without real necessity were fourteen years of age, as compared with forty-seven per cent. in Worcester. Ten per cent. had not reached the seventh grade and thirty-six per cent. the ninth grade.

The mothers of these girls showed an almost universal interest in and appreciation of the advantages of more schooling, but felt that the present school system did not prepare the girls for the situation which they must meet,—ability to contribute to their support within a year or two.

The largest number of girls cluster about the beginning wage of \$3 or \$4, and show a slight increase during the year, the majority ranging between the \$3-\$5 weekly wage. In the



unskilled trades, however, many reach their maximum wage within the first year or two, leaving little to look forward to in the future.

Thirty-eight per cent. of the girls who had left school without special necessity were Americans and twenty-three per cent. Irish. These nationalities, together with the Swedes, were also the predominating social elements leaving the schools of Worcester at an early age. This fact seems to indicate a lack of appreciation of the value of the present school training rather than a lack of ambition.

Many of the parents and girls visited were ambitious and favorable toward further education, but it must be of such a nature as to fit the majority for immediate or early economic independence, or at least, partial independence. The evening schools are therefore patronized by such ambitious girls, many of whom are not receiving there the kind of training best suited to their needs, but which at present seems to be the only avenue to something higher than life in the factory.

One great need of the educational and industrial world, therefore, stands out prominently, a trade training school which can take the fourteen-fifteen-year-old girls who will not go to the regular schools, and who must go to work in a year or two. If this trade training school can give such equipment that the girls may be enabled to enter a trade which offers some opportunity for development and advancement, many will be enabled to enter the better trades who otherwise would have no other prospect than the factory or the store.

The foregoing discussion seems, therefore, to indicate that there are four trades for which training of one type or another might well be offered in Somerville. The most desirable of these trades are dressmaking and millinery, both from the point of view of the opportunity for advancement to the skilled worker with adequate compensation, and the reflex influence upon the worker in preparing her for right living and right spending.

The opportunity as to numbers is such that there is little danger of oversupplying the market, if care is taken to train only those girls who show a fitness for the trade.

While only a small number are employed in these industries in Somerville, there is an opportunity for the more mature worker to return to her home town for employment if she continues to be economically self-dependent. On the whole, therefore, these conditions do not differ from conditions in Boston, and our investigation leads us to believe that training for these industries may be offered on practically the same basis as is now being given in the Boston Trade School for Girls, namely, a one-year or a two-year course in dressmaking and in millinery.

# PUBLIC LIBRARY.

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OF THE SOMERVILLE PUBLIC LIBRARY, YEAR ENDING DECEMBER 31, 1910.

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THOMAS O'DAY.

## PUBLIC LIBRARY ACCOUNT.

### Receipts and Expenditures for 1910.

	CREDIT.	
Appropriation . . . . .		\$17,000 00
Dog tax . . . . .		4,085 76
School contingent fund . . . . .		19 29
Fines, etc. . . . .		827 03
		\$21,932 08

	DEBIT.	
Books and periodicals . . . . .		\$7,841 44
Binding . . . . .		2,293 85
Cards . . . . .		115 43
Printing . . . . .		572 04
Stationery . . . . .		89 17
Salaries . . . . .		9,550 83
Agencies . . . . .		339 26
Express . . . . .		215 80
Postage . . . . .		20 00
Telephone . . . . .		57 84
Supplies . . . . .		138 82
Binders . . . . .		21 10
A. L. A. membership . . . . .		5 00
Repairs . . . . .		1 45
Insurance . . . . .		135 00
Disbursements . . . . .		87 61
Labor . . . . .		50 76
Furniture . . . . .		162 00
Bookcase . . . . .		40 00
Cabinets . . . . .		59 00
Dictionary stands . . . . .		10 00
Typewriter . . . . .		77 00
Stamp . . . . .		2 50
Stereographs . . . . .		33 68
Photograph . . . . .		2 50
Ice . . . . .		10 00
		\$21,932 08

### West Somerville Branch.

	CREDIT.	
Appropriation . . . . .		\$4,000 00
Special fund for books . . . . .		1,000 00
Fines, etc. . . . .		381 47
		\$5,381 47

	DEBIT.	
Books and periodicals . . . . .		\$3,095 97
Binding . . . . .		420 31
Cards . . . . .		8 00
Printing . . . . .		41 10
		\$3,565 38
Amount carried forward . . . . .		\$3,565 38

Amount brought forward . . . . .	\$3,565 38
Stationery . . . . .	13 13
Salaries . . . . .	1,628 94
Express . . . . .	44 70
Telephone . . . . .	29 60
Postage . . . . .	1 00
Supplies . . . . .	23 53
Binders . . . . .	12 30
Cabinet . . . . .	48 50
Dictionary stand . . . . .	5 00
Ice . . . . .	9 20
	<hr/>
Balance . . . . .	\$5,381 28
	19
	<hr/>
Total . . . . .	<u>\$5,381 47</u>

**Isaac Pitman Art Fund.**

## CREDIT.

Balance from 1909 . . . . .	\$127 27
Interest July 1, American Telephone & Telegraph Co. . . . .	80 00
Interest December 31, American Telephone & Telegraph Co. . . . .	80 00
Interest accruing on deposits July 1 . . . . .	5 02
	<hr/>
Total . . . . .	\$292 29

## DEBIT.

Books and pictures purchased in 1910 . . . . .	\$119 77
Balance carried to 1911 . . . . .	172 52
	<hr/>
Total . . . . .	<u>\$292 29</u>

**Isaac Pitman Poetry Fund.**

## CREDIT.

Balance carried from 1909 . . . . .	\$34 26
Interest July 1, American Telephone & Telegraph Co. . . . .	20 00
Interest December 31, American Telephone & Telegraph Co. . . . .	20 00
Interest accruing on deposits July 1 . . . . .	1 26
	<hr/>
Total . . . . .	\$75 52

## DEBIT.

Books purchased in 1910 . . . . .	\$35 80
Balance carried to 1911 . . . . .	39 72
	<hr/>
Total . . . . .	<u>\$75 52</u>

**Frances A. Wilder Fund.**

Interest accruing on deposit of \$100 . . . . .	\$6 15
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## 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-eighth annual report of the trustees of the public library is herewith respectfully submitted.

The report of the librarian is grouped with this more general cursory report, and to the former your honorable body is referred for a detailed and statistical statement of the operation of the library for the year.

The affairs of the library, while they are now in a healthy condition, have been very much upset during the past year. At the very outset we suffered a severe loss by the retirement of our president, Dr. Edward C. Booth, whose invaluable services the library had enjoyed for so many years. Our next misfortune was the long and severe illness of our librarian, Sam Walter Foss. Almost coincident with this came a severe outbreak of scarlet fever, which necessitated the closing of both libraries. Together with this came the illness of the assistant librarian, Miss Florence D. Hurter, and her resignation. All of these misfortunes made the work of the library very difficult; the prompt assistance of one of our own board, William L. Barber, did much to lighten the burden. Permanent relief came with the transfer of Miss Nellie M. Whipple from the branch to the main library. It was with great regret that Miss Whipple's valuable work at the branch was interrupted—still her splendid success at the main library has more than demonstrated the wisdom of the change.

Miss Alice W. Sears, who rendered valuable service at the main library, was placed in charge of the branch, and the choice has proved a happy one.

There is never a loss without a compensating gain. The closing of the buildings gave us the much-needed opportunity to thoroughly clean and renovate the main library, and this, with the kind assistance of the building commissioner, Walter T. Littlefield, was thoroughly done. Every book in the library was taken down and thoroughly cleaned, the shelves, floors, and woodwork of the building thoroughly washed, the tables, chairs, and desks were varnished, and the whole building put in perfect order. At the same time we were enabled to make a complete inventory of the books.

Several important improvements have been made in the buildings, notably the separate entrance into the children's department; formerly the children were obliged to enter the building and pass through the main reading room to the basement. This was a source of great annoyance to those persons

who used the reading room. New shelving has been added to the children's room, together with two new tables and chairs. A new table has been added to the binding room and much needed additional heating facilities placed in the new stack room. The space between the new and old buildings has been concreted. Stands for dictionaries have been added to both buildings, and separate cabinets for the cataloguing of foreign books and for music, also a new machine for typewriting has been purchased. New shelving has been added to the East Somerville agency, and new stacks and shelving for the reference room at the branch. With the special appropriation nearly 1,000 volumes of standard worth were added to the branch library.

With the multitude of books on the market and the shrewdness of the advertising publishers, the choice of suitable books for a public library is a very difficult one, and greater care than ever has been exercised in the selection of books. No book is allowed to enter circulation until it has been passed upon by a member of the board of trustees.

The open shelf system continues to be successful and the loss of books trifling.

With the limited means at our disposal, we do not recommend the extension of library facilities in other sections of the city. When the proper time comes, we would recommend the establishment of reading rooms in the Union-square district and at East Somerville.

The phenomenal growth of the branch library has continued to be a source of wonderment and of great satisfaction to the trustees. To carry on this work and to meet the ever-increasing demands of this rapidly-growing section of the city, a much larger appropriation will be necessary.

Nearly 200 years before the Christian era, Plautus wrote: "Each man reaps on his own farm." And we certainly, in spite of our various drawbacks, have reaped a rich harvest on our farm.

Our thanks are due to the staff of both libraries for their splendid co-operation in this most trying year of the library's existence.

Respectfully submitted for the board of trustees,

THOMAS M. DURELL,  
President.

December 27, 1910.

## REPORT OF THE LIBRARIAN.

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To the Trustees of the Somerville Public Library:—

I herewith submit the librarian's thirty-eighth annual report. Following my usual custom, I append a somewhat detailed statement of the work done by each department:—

### **The Cataloguing Department.**

The cataloguing department, under the supervision of Miss Esther M. Mayhew, has performed a much larger amount of work than has ever been done before in the history of the library.

As will be seen by the detailed statement given below, the library system of Somerville has purchased over 9,000 books; this, for a library the size of Somerville's and for the size of the city, is a very remarkable record. If the same rate of increase should continue for a period of ten years, nearly as many books would be purchased during that time as now belong to the library. Considering the rapidity of the growth of the library, there is but little doubt that for the whole period of ten years this ratio of growth will be kept up. Of course this will bring up perpetually the old problem of over-crowded shelves, which must be met by the careful exclusion of worn-out, useless, and obsolete books; but the best way to solve the over-crowded problem is to keep the books distributed in very many localities,—in the branch, in the schools, in the Sunday schools, in the police stations, the fire engine houses, the hospital, and the various charitable institutions of the city. One of the best ways to keep down the over-crowded shelves is a large and quick circulation.

It has been necessary this year to put considerable extra help at the disposal of Miss Mayhew, in order that her work might be accomplished with any degree of promptness. When we take into consideration the wholesale way in which books have been thrown into her department, she has done remarkably well. Miss Duddy, from the beginning of the branch library, has done the shelf listing for that institution. A complete catalogue of music books in the library has been prepared during the past year, also a complete catalogue of the foreign books in the library. These catalogues are installed in two attractive cabinets in the general delivery room.

In addition to their regular work, the cataloguing department took an inventory of the entire library, with the following results:—

Books missing by inventory of 1910:—



December, 1910.	Main.	Branch.	Total.
Circulating department . . . . .	228	9	237
Reference department . . . . .	5	0	5
Children's room . . . . .	156	10	166
Total . . . . .	<u>389</u>	<u>19</u>	<u>408</u>

Below are given the general statistics of this department:—

#### Books Added.

Accession number January 1, 1910 . . . . .	108,105
“ “ “ “ 1911 . . . . .	117,674
Total number added during 1910:—	
Main library . . . . .	7,121
Branch “ . . . . .	2,448
Total . . . . .	<u>9,569</u>
Books new to library . . . . .	6,067
Duplicates . . . . .	3,502
Total number withdrawn . . . . .	19,510
Total number in library:—	
Main library . . . . .	88,921
Branch “ . . . . .	9,243
Total . . . . .	<u>98,164</u>

#### Books Withdrawn.

Books worn out . . . . .	1,646
“ lost in schools . . . . .	72
“ “ by general readers . . . . .	57
“ burned per order Board of Health . . . . .	53
Total number of books withdrawn . . . . .	<u>1,828</u>
Total number of books withdrawn to January 1, 1910 . . . . .	17,682
“ “ “ “ “ during 1910 . . . . .	1,828
Total . . . . .	<u>19,510</u>

11,059 catalogue cards have been purchased from the Library of Congress during 1910.

#### Binding.

	Main.	Branch.	Total.
Volumes rebound . . . . .	3,893	748	4,641
Periodicals . . . . .	324		324
Paper-covered books . . . . .	52		52
Repaired . . . . .	47		47
Total . . . . .	<u>4,316</u>	<u>748</u>	<u>5,064</u>

#### Children's Department.

The children's department, Miss Anna L. Stone, librarian, has had a circulation of 54,030 fiction and 12,483 other works, making a total of 66,513. It may be interesting to know that of the "other works" circulated, General Works were 1,134; Philosophy, 42; Religion, 369; Sociology, 2,471; Philology, 176; Natural Science, 813; Useful Arts, 299; Fine Arts, 843; Literature, 2,251; Travel, History, and Biography, 4,085.

Although there has been some decrease in the circulation

of the children's room, this is directly traceable to the establishment of the branch library at West Somerville. As has been detailed by the president in his report, several important improvements have been made in the room, and one, an entrance directly from the outside, is a matter which has long been desired and for which there was urgent need.

### The School Department.

The school department, Miss Mary S. Woodman, librarian, finds an increasing amount of work to be performed each year. Miss Woodman has been somewhat hampered in her work in the past because she was not able to give sufficient time to the direct management of her department. At present, however, she devotes her time almost exclusively to school work, and has started one or two innovations which we hope will result well.

She has prepared a course of lectures to be delivered before the teachers of Somerville upon the work of her department, as well as upon the broader general work of the whole library. In order to give an idea of the scope of her lecture plan, the subjects she will consider this year are as follows:—

I. Classification and shelf arrangement. The principle of the decimal system and its use in the Somerville library. How and where the books are to be found.

II. The dictionary catalogue—its purpose and arrangement. What it tells and how to get at it.

III. Magazine indexes and books of general reference. The quickest way to find what you want. Some out-of-the-way sources of information.

IV. Resources of the library on topics of interest to teachers. Educational books and magazines. Illustrated books of travel. Books on literature, art, etc.

V. Evaluation of books. What we may learn from standing of authors and publishing house, date of issue, etc. Helpful lists on various topics.

VI. Direction of children's reading. Aids in selection. Sending children to the library for study. Discussion of some children's books, good, bad, and indifferent.

The library has long had in view a catalogue of the books in the school department, and it is possible, if the cost of printing is not prohibitive, Miss Woodman may now accomplish this work.

There are a great many well-known and inspiring poems which are frequently called for by teachers and which the library can only furnish by giving out a complete volume for each poem. With the assistance of the school department, which will probably do the neostyling, Miss Woodman hopes to obtain enough of these poems, each printed singly, to supply the needs of the teachers. The school department and the Somerville schools are working together with great harmony, for which we, on our part, have to thank the superintendent,

Charles W. Clark, and the various teachers, many of whom are exceedingly zealous in the work.

As will be noted, there has been a very desirable increase in the work, the number of books in the library, and the general circulation of this department.

Below are the statistics of this department for the year:—

Books in library	9,045
Increase during year	771
Libraries out	155
Libraries delivered	165
Volumes out	6,487
Volumes delivered	7,568
Circulation during year:—	
Fiction	49,628
Non-fiction	74,563
Total	<hr/> 124,191

#### The Reference and Art Department.

The reference and art department, under the supervision of Miss Mabel E. Bunker, has performed its regular work. There is not much opportunity for anything spectacular in the management of the reference room, but a great deal of work is frequently required to answer an apparently simple question. These questions are coming with greater frequency than ever. Sometime I hope it may be found feasible to have a regular reference room telephone, and for the public to be invited to use it when it so desires. This has already been done by some newspapers, notably the Baltimore Sun; but it would seem to be a function of a public institution supported by public funds to do this kind of work. It would be in keeping with the progressive tendencies of the times.

Below is given the monthly attendance for the year:—

January	615
February	800
March	966
April	988
May	411
June	519
July	191
August	440
September	520
October	662
November	1,015
December	561
Total	<hr/> 7,688
Number of registered visitors to Art Room	203
“ “ “ “ “ Americana Room	87
Total	<hr/> 290

This does not give the complete number of persons who use the books in the Art and Americana rooms, as many books are brought to the main reference room to be consulted there.

Number of volumes in Reference and Art Department . . . . .	10,418
Increase of volumes during the year . . . . .	425
Number of volumes rebound . . . . .	78

During the year there have been fifteen art exhibitions, as follows:—

- Wells Cathedral.
- Yellowstone National Park, Pt. 1.
- Etchings by William Unger, No. 3. (Chiefly Modern German and Austrian, with seven Italian and Spanish.)
- Historic Dress in America.
- Photographs of American Parks (from our collection).
- Italian Fountains.
- Madonna in Art.
- Pictures for Children, by Randolph Caldecott.
- Jamaica.
- Photographs of American Parks (from our collection).
- Rulers of Italy, with some Historical Comparisons.
- Photographs (our collection).
- Naples, No. 1, From Naples to Paestum.
- Colored Illustrations Made by Coupil from Living Models Showing 1908, 1909, and 1910 Styles in Parisian Gowns.
- Etchings by William Unger, No. 1, Dutch Art. (Chiefly Rembrandt and His School.)

Some of the books purchased during the year for this department:—

- Auge, Claude, pub., Le Larousse Pour Tous Nouveau Dictionaire Encyclopédique, 6v.
- Chaucer, Works of, ed. by Skeat, 6v.
- Clarke, Maud N., Nature's Own Garden.
- Cundall, H. M., History of British Water Color Painting.
- Cutter, W. R., Genealogy—Boston and Eastern Massachusetts, 4v.
- Cyclopedia of Commerce, Accountancy, Business Administration, 10v.
- Duncan, J. H. Elder, Country Cottages and Week-End Homes.
- Edwards, G. W., Brittany and the Bretons.
- Fletcher, Hanslip, Oxford and Cambridge.
- Gauss, H. C., The American Government.
- Hichens, Robert, The Holy Land.
- Hunt, W. H., Pre-Raphaelitism and the Pre-Raphaelite Brotherhood, 2v.
- Lockwood, L. V., Colonial Furniture in America.
- Masterpieces in Color (29v. in series).
- Modes and Manners of the Nineteenth Century, 3v.
- National Gallery (7v. in series).
- Nelson Encyclopedia (loose leaf), 12v.
- New Century Book of Facts.
- Pennell, Elizabeth R., French Cathedrals.
- Seidlitz, W. von, History of Japanese Color Prints.
- Sturgis, Russell, The Artist's Way of Working, 2v.
- Thayer, G. H., Concealing Coloration in the Animal Kingdom.
- Webb, W. M., Heritage of Dress.
- Williams, L., Arts and Crafts in Older Spain, 3v.
- Wodiska, J., A Book of Precious Stones.

### Binding.

Since Miss Sears has assumed the position of branch librarian, the bindery department, which was really founded and

established by her, has been carried forward under the supervision of Miss A. Myrtle Merrill. The work under her management has been carried forward effectively, and has resulted in a great financial saving to the library. During the year she and her assistant, Miss Helen Spear, have repaired 7,528 books. In addition to this work, Miss Bessie S. Cobb, of the branch library, has repaired 9,024 books, making a total of 16,552. This means that over 16,000 books, which would otherwise have been sent to the bindery at the cost of nearly fifty cents a book, have been, temporarily, at least, repaired at the library. Although our bindery bills have increased considerably from the bills of last year, the cost would be very much heavier if this repair work were not done at the library.

#### **Agencies.**

Since the opening of the West Somerville branch library, the agencies have been reduced to three in number. Of these, two are deposit stations. Since the resignation of Miss Florence M. Barber, the agencies have been in charge of Miss Louise Thiery, and since her resignation the work has been taken up by Miss Ruby G. White. As the number of agencies decrease, we are able to do more for them. We find that the public much prefers to select books directly from the shelves at the agency than to send up and secure them from the central library. For this reason we have expended a respectable sum of money during the present year for the purchase of books for the two agencies that are deposit stations. This remark applies especially to the agency at East Somerville. The shelving capacity at that agency has been more than doubled the present year, and it is the effort of the main library to keep the shelves well supplied with the books in public demand.

It is a matter of some regret that the circulation at the agencies is almost exclusively fiction; but every effort should be made that is possible to give the public that visits these agencies an opportunity to at least see good books in other lines of literature. It would be something of a calamity to have our agencies degenerate into merely free circulating libraries.

#### **General Work.**

The general work of the library has been accomplished this year under many grave difficulties. Last June, owing to the condition of her health, Miss Florence D. Hurter felt compelled to resign as assistant librarian. Her faithfulness, her conscientious devotion to duty, and her great industry will long be remembered, and the library feels a great sense of loss in her withdrawal from the staff.

From the resignation of Miss Hurter until August 20 Miss Alice W. Sears served as acting assistant librarian. As both the librarian and the assistant librarian were absent from the

building, her position was a very trying one. She accomplished her work with credit to herself and to the library.

On August 20 Miss Nellie M. Whipple, who had served so successfully and satisfactorily as the head of the West Somerville branch from its beginning, was made assistant librarian at the central library. The work under her direction has gone forward systematically and satisfactorily.

Below is a table of circulation of the different agencies during the year:—

Agencies.	West Somerville.	East Somerville.	South Somerville.	Union Square.
January Shelves . . . .	49	4 903	150	8 446
February Shelves . . . .	51	1 973	201	6 496
March Shelves . . . .	96	1 1,292	248	8 791
April Shelves . . . .	47	2 1,167	166	4 574
May Shelves . . . .	54	1,170	167	2 751
June Shelves . . . .	34	4 940	174	11 627
July Shelves . . . .	28	2 719	172	1 1,314
August Shelves . . . .	47	2 1,013	267	4 683
September Shelves . . . .	54	1 885	199	620
October Shelves . . . .	65	650	213	3 655
November Shelves . . . .	83	4 1,109	244	3 708
December Shelves . . . .	51	3 1,314	209	2 756
Totals . . . .	659	12,159	2,410	8,473
Grand Total . . . .				23,701

The general circulation figures of the year are as follows:—

	Fiction.	Other Works.	Total.
January . . . . .	21,457	12,439	33,896
February . . . . .	23,963	14,199	38,162
March . . . . .	30,782	17,852	48,634
April . . . . .	22,753	13,502	36,255
May . . . . .	18,963	11,295	30,258
June . . . . .	17,952	7,673	25,625
July . . . . .	14,982	3,035	18,017
August . . . . .	18,369	3,599	21,968
September . . . . .	14,382	4,500	18,882
October . . . . .	18,833	9,216	28,049
November . . . . .	26,874	15,456	42,330
December . . . . .	21,095	12,533	33,628
Total . . . . .	250,405	125,299	375,704

Below is given our shelf circulation figures (books delivered from library shelves):—

	Fiction.	Other Works.	Total.
January . . . . .	12,851	4,123	16,974
February . . . . .	15,446	5,355	20,801
March . . . . .	19,530	6,786	26,316
April . . . . .	14,194	4,663	18,857
May . . . . .	10,721	3,635	14,356
June . . . . .	13,282	3,383	16,665
July . . . . .	12,954	2,720	15,674
August . . . . .	15,684	3,191	18,875
September . . . . .	11,002	3,374	14,376
October . . . . .	12,034	4,348	16,382
November . . . . .	16,595	5,982	22,577
December . . . . .	12,107	4,073	16,180
Total . . . . .	166,400	51,633	218,033

Below is given our circulation by classes, exclusive of fiction:—

General works . . . . .	7,106
Philosophy . . . . .	1,435
Religion . . . . .	6,982
Sociology . . . . .	22,859
Philology . . . . .	1,456
Natural science . . . . .	15,663
Useful arts . . . . .	4,926
Fine arts . . . . .	8,058
Literature . . . . .	15,874
History . . . . .	28,457
Total of general delivery . . . . .	112,316
Delivered from children's room . . . . .	12,483
Total of other works . . . . .	125,299
Fiction . . . . .	250,405
Other works . . . . .	125,299
Total . . . . .	375,704
Percentage, fiction . . . . .	67%
“ other works . . . . .	33%

Below are given the circulation figures of main library and West Somerville branch:—

Fiction:—		
Main library . . . . .		250,405
West Somerville branch . . . . .		91,496
Total . . . . .		<u>341,901</u>
Other works:—		
Main library . . . . .		125,299
West Somerville branch . . . . .		22,163
Total . . . . .		<u>147,462</u>
Fiction . . . . .		341,901
Other works . . . . .		147,462
Total . . . . .		<u>489,363</u>

As will be seen from the above, the total circulation of the year is 489,363. Undoubtedly if the library had not been closed in April on account of the scarlet fever epidemic, we should have reached the half-million mark the present year. Only nineteen libraries in the United States have a circulation in excess of the half-million mark. Perhaps, in proportion to the number of our books, our circulation is as large as any library in the country.

Percentage, fiction . . . . .	70%
“ other works . . . . .	30%

Below is the statistical statement of the general work of the year:—

Accession number . . . . .			117,674
	Main.	Branch.	Total.
Volumes in library . . . . .	88,921	9,243	98,164
“ added . . . . .	7,121	2,448	9,569
“ discarded . . . . .	1,743	85	1,828
Total circulation . . . . .	375,704	113,659	489,363
Shelf “ . . . . .	218,033	113,659	331,692
Children's room circulation . . . . .	66,513	28,324	94,837
Cards issued . . . . .	3,414	1,440	4,854
Delivered from East Somerville agency . . . . .		24	
“ “ “ “ shelves . . . . .		12,159	
“ “ South Somerville agency . . . . .		2,410	
“ “ Union Square agency . . . . .		52	
“ “ “ “ shelves . . . . .		8,421	
“ “ West Somerville branch . . . . .		659	
“ “ Knapp school . . . . .		706	
Volumes delivered to school libraries . . . . .		7,568	
Volumes delivered to Sunday schools, clubs, hospitals, etc. . . . .		1,559	
Visitors in reference room . . . . .		7,688	
Vacation cards issued . . . . .		438	
Received, fines . . . . .	\$899.95		
“ books . . . . .	102.64		
“ telephone . . . . .	7.02		
Total . . . . .	<u>\$1,009.61</u>		



By sundry expenses . . . . .	\$182.58
Cash to City Treasurer . . . . .	827.03
Total . . . . .	<u>\$1,009.61</u>

During the year 438 vacation cards were issued, on which 2,454 books were taken out, 2,110 being fiction and 344 other works. Thirty-six sets of stereographs are now owned by the library. The circulation of these sets during the year amounted to 577.

The following Sunday schools take books from the library: Bow-street Methodist, Broadway Methodist, East Somerville Baptist, Flint-street Methodist, Highland Congregational, Prospect-hill Congregational, Randall Memorial, Second Advent, Second Unitarian, West Somerville Baptist, Winter-hill Congregational, and Winter-hill Universalist.

Books are also sent to the fire stations, industrial school, Home for the Aged, police station, Somerville Boys' Club, Somerville hospital, and St. Joseph's Alumni Association. There were 1,559 books sent to the various Sunday schools, clubs, etc., of which 1,325 were fiction and 234 other works.

#### Suggestions.

Several recommendations, as will have been noted, have been made in the various departments. But there are a few suggestions I would like to formally make here.

I think it would tend toward more efficient service in the public library if the new assistants should start in at a salary of \$300 per year rather than \$200. Two hundred dollars is really not a living rate of wages, and it is difficult to obtain young ladies of a proper calibre to fill these places. There are other increases in salaries that should be made; but I realize that your board is eager to do along this line all that the means at your disposal will permit.

There is another recommendation I desire to make, which, if carried out, it seems to me would tend greatly to the efficiency of the library service. This is the removal of the door between the reading room and the north stack, and the stationing of a member of the staff at a desk, where the present door is, who could have oversight of the reading room and at the same time of the stack. There are several reasons for this which appeal to me strongly. In the first place, it was never intended that this archway should be closed up. The rough temporary partition which I have dignified by the name of door is, of course, not a door at all, and was merely put there temporarily to shut off the view of the unfinished stack room. It will be remembered that this stack room was not finished for a year or two after the rest of the new addition was completed. The great benefit that would result from this opening would be the benefit of oversight of two important parts of the library, the

reading room and the stack containing all the works of the library under the divisions of Philosophy, Religion, Philology, Sociology, Natural Science, Fine Arts, and Useful Arts. In addition to this, all the bound periodicals are in this wing and our musical collection. Since the renovation of the library last May, the great department of literature has been transferred to this wing.

Now this wing of the library has never been patronized by the public as it should be. Without special search, it is invisible to the casual visitor at the library. As a matter of fact, hundreds of visitors who come to the library regularly never enter this stack. It is unknown territory to them. If the partition were taken down it could be easily seen that there is a large collection of books in this part of the library, and the special attendant could be of service to all visitors in making selections.

The library of late has been making unusual efforts to decrease the amount of noise and confusion in the library building. The removal of the children's entrance to another part of the building has helped out this matter to a great degree; but it is our wish to take further precautions. An attendant could preserve order in the reading room and see to it that quiet should always prevail there. The reading room has never had any direct oversight, and this has been a matter of regret to the librarian and his staff for many years. This would furnish the oversight for which we have so long felt the need.

Of course this archway would not be the general entrance and exit. It would simply be an entrance to people using the reading room. The young lady in charge of this desk would be doing regular clerical work while not engaged in otherwise serving the public, and no extra help need be hired for the service. So there would be no extra cost.

I hope your board may carefully consider this recommendation.

The library has received the following donations of books, pamphlets, and periodicals during the past year:—

## List of Donations.

	Vols.	Pamph.	Periods.
Abbot, E. Stanley . . . . .	2		
Acheson Oildag Co. . . . .	1		
Aldrich, E., and Batchellor, A. S. . . . .	1		
American Telephone and Telegraph Co. . . . .		1	
Amherst College . . . . .	2		
Arnold, Allen . . . . .		1	
Booth, Edward C., M. D. . . . .	8		
Boston, Mass. . . . .	1		
Bowman, Ethel . . . . .	1		
Brown, Mrs. Abram E. . . . .	1		
Brown Alumni Monthly . . . . .	1		
Brown University . . . . .	1		
Chase, Mabel J. . . . .		1	
Children's Institutions Department . . . . .		1	
Clark, George H. . . . .	10		
Dalton, Mrs. Adelaide A. . . . .	1		
Dartmouth College . . . . .	1		
Dennison, Mrs. E. W. . . . .	1		
Deutsche Bank, Berlin . . . . .	1		
Dryden, John F. . . . .	1		
Durrell, Harold Clarke . . . . .	2		
Edison Electric Illuminating Co. . . . .	1		
Foss, Sam Walter . . . . .	2		
Gillette, King C. . . . .	1		
Gilman, Emma A. . . . .	2		
Gordon, Hanford L. . . . .	1		
Greene, J. D. . . . .	1		
Guild, Hon. Curtis . . . . .		1	
Hadley, S. Henry . . . . .	19		
Harvard University . . . . .	2		
Homan, J. A. . . . .	1		
Hubbard, Elbert . . . . .		1	
Indian Rights Association . . . . .		2	
Iowa State Library . . . . .	1		
Lawrence, Sir Edwin Durning . . . . .	1		
Lee, Thomas Z. . . . .	1		
Library of Congress . . . . .	3		
Lummis, Charles F. . . . .		1	
Massachusetts . . . . .	33	2	
Melvin, James C. . . . .	1		
Metropolitan Water and Sewerage Board . . . . .	1		
Middlesex County . . . . .	1		
Mitchell, J. M. . . . .	1		
Moffat, R. Burnham . . . . .	1		
Moore, Clarence B. . . . .	4		
National Child Labor Commission . . . . .	1		
New Bedford Textile School . . . . .	1		
New York State School for the Blind . . . . .		1	
Oberlin College, Ohio . . . . .		1	
Ohio State Library . . . . .		1	
Ohio Wesleyan University . . . . .	1		
Pennsylvania Prison Association . . . . .		1	
Perkins Institution for the Blind . . . . .	1		
Carried forward . . . . .	118	15	

## LIST OF DONATIONS.—Concluded.

	Vols.	Pamph.	Periods.
Brought forward . . . . .	118	15	
Public Libraries . . . . .	1	102	
Publicity Club, Minnesota . . . . .	1		
Randall, Charles F. . . . .		1	
Riverton Press . . . . .	1		
Russ, George H. . . . .	26		
Salem Press . . . . .	1		
Smithsonian Institution . . . . .	1		
Somerville, Mass. . . . .	1		
Standard Oil Co. . . . .	4		
Tilton Seminary . . . . .		2	
Tufts College . . . . .	1		
United States . . . . .	22		
United States Brewers' Association . . . . .	2		
Valentine, H. E. . . . .			12
Westborough, Mass. . . . .		1	
Western Reserve University . . . . .		1	
Western Theological Seminary . . . . .	1	1	
Wood, Miss Katharine . . . . .	1		
Totals . . . . .	181	123	12

**West Somerville Branch Library.**

Upon the appointment of Miss Nellie M. Whipple, former branch librarian, to the position of assistant librarian at the main library, Miss Alice W. Sears was appointed branch librarian to succeed Miss Whipple, and I am very glad to say that she has carried forward the work with great efficiency.

The West Somerville branch library has really been a phenomenal success from its very opening. The amount of business done in this institution has been a surprise even to those of us who predicted a large work in this locality. There are many cities of considerable size whose main libraries, some of them established for many years, do not perform as much work for the public or have nearly as large a circulation as we have in our West Somerville branch.

The people in the western part of the city are very loyal to the branch library, and each one seems to take an individual interest in its success. It does not seem like a branch library. It seems like a main library.

The call upon the resources of this branch has been so great that we deem ourselves fortunate that we were enabled, through the generosity of the board of aldermen, to expend \$2,500, more than was at first called for in the annual budget, and \$1,000 of this money was granted us on condition that it should be used for the purchase of new books. These books were bought last summer under the charge of a committee con-

sisting of Messrs. Barber, Hamilton, and Noyes; and they are books of real excellence and add materially to the resources of the library. They are greatly appreciated by the library's patrons.

Already the old question of over-crowding has come up in this new branch, and there is no doubt that at an early date the children's room should be transferred to some other part of the building. This could be done, but it would be a matter of some expense, by finishing the room in the basement. This would segregate the children from the older patrons, and relieve them from the noise and confusion that now must necessarily prevail at certain hours of the day.

Below is given in detail the statistics of the work accomplished:—

	Fiction.	Other Works.	Total.
January . . . . .	6,540	1,609	8,149
February . . . . .	7,341	1,964	9,305
March . . . . .	9,964	2,619	12,583
April . . . . .	7,380	1,882	9,262
May . . . . .	5,938	1,529	7,467
June . . . . .	6,916	1,493	8,409
July . . . . .	6,478	1,243	7,721
August . . . . .	7,924	1,611	9,535
September . . . . .	7,113	1,446	8,559
October . . . . .	7,872	1,762	9,634
November . . . . .	10,592	3,064	13,656
December . . . . .	7,438	1,941	9,379
	<hr/>	<hr/>	<hr/>
	91,496	22,163	113,659

Below is given circulation by classes, exclusive of fiction:—

General works . . . . .	7,410
Philosophy . . . . .	374
Religion . . . . .	345
Sociology . . . . .	524
Philology . . . . .	18
Natural science . . . . .	585
Useful arts . . . . .	785
Fine arts . . . . .	1,234
Literature . . . . .	2,097
History . . . . .	2,645
	<hr/>
Total of general delivery . . . . .	15,997
Delivered from children's room . . . . .	6,166
	<hr/>
Total of other works . . . . .	22,163
	<hr/>
Fiction . . . . .	91,496
Other works . . . . .	22,163
	<hr/>
Total . . . . .	113,659
Percentage, fiction . . . . .	80%
“ other works . . . . .	20%

The branch library has received the following donations of books during the past year:—

	Vols.
Anonymous . . . . .	3
Clark, George H. . . . .	12
Cobb, Bessie S. . . . .	1
Edison Electric Illuminating Co. . . . .	1
Hamilton, F. W., D. D. . . . .	1
Lawrence, Sir Edwin Durning . . . . .	1
Nason, George W. . . . .	1
Noyes, Marion I., and Ray, Blanche H. . . . .	1
Wallace, T. C. . . . .	1
Total . . . . .	22

### Conclusion.

I wish to convey my thanks to the members of the staff for their efficient service during a trying year.

I want, also, to take this occasion to thank your board for your uniform kindness to me through all my long illness during the past year. Your forbearance during my enforced absence from the library, at a time when my absence brought many extra burdens upon the members of your board, excites my heartfelt gratitude. Your personal acts of kindness to me, both as a board and as individuals, I greatly appreciate. I trust that you may not be obliged to put your forbearance to a much more extended test.

Respectfully submitted,

SAM WALTER FOSS,  
Librarian.

December 27, 1910.

**BOARD OF HEALTH.**

**1910.**

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WESLEY T. LEE, M. D., Chairman.

JACKSON CALDWELL.

WILLIAM P. FRENCH.

**Clerk and Agent to Issue Burial Permits.**

WILLIAM P. MITCHELL.

**Agent.**

CALEB A. PAGE.

**Medical Inspector.**

FRANK L. MORSE, M. D.

**Inspector of Animals and Provisions.**

CHARLES M. BERRY.

**Milk Inspector.**

HERBERT E. BOWMAN.

**Plumbing Inspector.**

DUNCAN C. GREENE.

**Superintendent Collection of Ashes and Offal.**

EDGAR T. MAYHEW.

## REPORT OF THE BOARD OF HEALTH.

OFFICE OF THE BOARD OF HEALTH,  
City Hall, January 1, 1911.

To His Honor, the Mayor, and the Board of Aldermen:—

Gentlemen,—We respectfully submit the following as the thirty-third 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, 1910:—

### 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:—

#### NUISANCES ABATED IN THE CITY IN 1910.

Bakery offensive . . . . .	7
Cellar damp . . . . .	16
Cow barn offensive . . . . .	4
Cows kept without license . . . . .	2
Drainage defective . . . . .	38
Drainage emptying into cellar . . . . .	15
Drainage emptying on surface . . . . .	22
Fish offal . . . . .	2
Food exposed to dust . . . . .	6
Goats kept without license . . . . .	2
Hens in cellar . . . . .	4
Hennery offensive . . . . .	21
Hens without permit . . . . .	20
Horses kept in shed . . . . .	2
Manure exposed and offensive . . . . .	23
Manure pit defective . . . . .	18
Offal on land . . . . .	6
Offensive odor in and about dwellings . . . . .	4
Pigeons in cellar . . . . .	2
Premises dirty . . . . .	175
Privy-vault offensive . . . . .	3
Rubbish in cellar . . . . .	28
Slops thrown on surface . . . . .	6
Stable infected with glanders . . . . .	39
Stable and stable premises filthy and offensive . . . . .	41
Stable without drainage . . . . .	9
Stagnant water on surface . . . . .	10
Water-closet defective . . . . .	36
Water under stable . . . . .	6
Total . . . . .	567
Number of nuisances abated . . . . .	567
Number of nuisances referred to board of 1911 . . . . .	29
Number of nuisances complained of . . . . .	596
Number of complaints (many covering more than one nuisance) . . . . .	539

In addition to the above, 267 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.*—Thirty-nine cases of glanders have been reported during the year. Prompt action was taken in every case, and thirty-seven of the horses were killed, two 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-three applications were received for permits to keep eighty-one cows. Thirty-one permits to keep seventy-eight cows were granted, and two permits were refused.

*Swine.*—Seventeen applications were received for permits to keep thirty-seven swine, all of which were granted. 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.*—Ninety-three applications for permits to keep 1,645 hens were received. Sixty permits to keep 1,088 hens were granted, and thirty-three permits were refused.

*Grease.*—Fourteen applications were received for permits to collect grease. Thirteen permits were granted, and one permit was refused. The fee is two dollars. Five of the parties licensed reside in Somerville, three in Charlestown, three in Cambridge, and two in Boston.

*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.

#### **Pedlers.**

One hundred and eighty-nine certificates of registration were issued to hawkers and pedlers during the year under the provisions of ordinance number 27—an increase of fifty-one over the year 1909. One hundred and fifty certificates have been renewed during the year. 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.

#### **Ashes and Offal.**

The collection and disposal of ashes, garbage, and other

refuse materials is under the control of the board of health, and a competent superintendent is employed to take charge of this department.

To do this work eighty-two men are employed, and the department owns and uses thirty-five 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. Since the incinerator was built at the city farm, the combustible waste materials have been burned, at considerable cost to the city for labor, and the income from materials saved and sold has been comparatively small. After a fair trial by two responsible parties of one month each, bids were called for covering a period of three years, with the stipulation that the successful bidder was to have the use of the incinerator plant and the materials brought there by the board of health wagon. The contract was awarded to Paul N. Raymond, and he agreed to pay the city \$112.50 on the tenth day of each month, beginning in August, for a term of three years.

During the year 51,680 loads of ashes and 3,316 loads of refuse material have been collected and disposed of.

In September the board adopted a new regulation by which the employees remove the receptacles for waste from the yards and return them when emptied. The regulation is as follows:—

All receptacles containing refuse matter for removal must be placed in an easily accessible location, nearly on the level of the sidewalk in front of the lot on which the building stands, from which they will be taken by the department employees, and to which they will be returned after emptying. If there is no easily accessible spot where they can be placed, they may be set on the edge of the sidewalk, opposite the building from which they come, as short a time before the arrival of the board of health wagons as convenient. Employees are not allowed to enter cellars, cellar-ways, or bulkheads for the removal of refuse.

The board also changed the districts and days of collection to conform with the requirements of the rapid growth of the West Somerville section, and the new arrangement 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.

The following circular was distributed to the householders of the city:—

**Notice to Householders, Tenants, Etc.**

Beginning October 3, 1910, it will not be necessary to place ash barrels and rubbish on the sidewalk on the day when the city teams make collections, provided they are located in an easily accessible spot nearly on the level of the sidewalk in front of the lot on which the building is situated. The city employees will transfer the receptacles to the sidewalk, and will return them after they are emptied. The employees are not allowed to enter cellars, cellar-ways, or bulkheads.

If the receptacles are not in an easily accessible location, the householder or tenant must place them at the edge of the sidewalk as short a time as possible before the arrival of the city teams.

The following requirements of the board of health must be observed: Ashes, broken glass, metals, and other non-combustible waste materials must be placed in suitable receptacles not larger than an ordinary flour barrel, and must be kept free from other refuse materials and garbage. All other refuse matter, such as paper, rags, excelsior, straw, leather, etc., must be kept free from ashes and garbage, and must be placed in suitable receptacles or packages so secured that they will not be blown about or scattered in handling.

PUT IN GARBAGE PAIL	PUT IN ASH BARREL	PUT IN RUBBISH
Table waste.	Ashes.	Paper.
Vegetables.	Floor sweepings.	Bottles.
Meats.	Broken glass.	Rags.
Fruit.	Shells.	Cloth.
Fish.	Tin cans.	Leather.
Bones.	Metals.	Straw.
Fat.	Sawdust.	Excelsior.

Earth, gravel, bricks, mortar, stones, lime, plaster, cement, concrete, refuse materials from repairs or construction of buildings, refuse materials from manufacturing establishments, dead animals, or ashes other than those accumulated from the burning of coal for heating or domestic purposes will not be removed by the city teams.

Fruit tree trimmings, vine cuttings, and yard cleanings will be removed during the spring and summer months.

No person is allowed to overhaul the contents of receptacles for waste materials set upon the sidewalks for removal by the city teams.

### Stables.

Under the provisions of sections 69 and 70 of chapter 102 of the revised laws of 1902, fourteen petitions for licenses to erect and use stables were received and disposed of as follows:—

Number granted . . . . . 14

### 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 1,043 deaths and sixty-one stillbirths in the city during the year, as specified in the following table, which shows an increase of deaths over the previous year of fifty-five.

Deaths at Somerville hospital during the year . . . . .	61
Deaths at hospital for contagious diseases . . . . .	14
Deaths at home for aged poor (Highland avenue), . . . . .	51
Deaths at City home . . . . .	10
Deaths at other institutions . . . . .	10

### DEATHS BY AGES.

AGRS.	Total.	Male.	Female.
Under one . . . . .	175	99	76
One to two . . . . .	24	13	11
Two to three . . . . .	14	6	8
Three to four . . . . .	17	12	5
Four to five . . . . .	10	6	4
Five to ten . . . . .	17	7	10
Ten to fifteen . . . . .	11	6	5
Fifteen to twenty . . . . .	14	8	6
Twenty to thirty . . . . .	55	20	35
Thirty to forty . . . . .	70	31	39
Forty to fifty . . . . .	74	35	39
Fifty to sixty . . . . .	126	66	60
Sixty to seventy . . . . .	178	87	91
Seventy to eighty . . . . .	169	69	100
Eighty to ninety . . . . .	79	31	48
Ninety and over . . . . .	10	1	9
Total . . . . .	1,043	497	546

Of the stillborn, 41 were males and 20 females,

## Mortality in Somerville in 1910.

	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Total
<b>I. GENERAL DISEASES.</b>													
<i>(A. Epidemic Diseases.)</i>													
Scarlet fever . . . . .				1			2					2	5
Diphtheria . . . . .	5	3		2	2	2	2	1	2			1	20
Typhoid fever . . . . .		1		1	1	1			1		1		6
Erysipelas . . . . .	1	1	2		4	1							9
Dysentery . . . . .				1	1		1						2
La grippe . . . . .			2	2	1		1						6
Measles . . . . .				1	1			1					3
<i>(B. Other General Diseases.)</i>													
Septicæmia . . . . .			1				1			1			3
Rheumatism . . . . .		2	1		1		1					1	6
Pernicious anæmia . . . . .		1		2		2	2		1	1			9
Cancer of anus . . . . .	1					1		2				1	5
Cancer arm-pit . . . . .							1				1		1
Cancer of bladder . . . . .					2		1						3
Cancer of breast . . . . .	2	3		2		2	1		1	3			14
Cancer of ear . . . . .						1							1
Cancer of face . . . . .								1					1
Cancer intestines . . . . .	2		1	1		1	2	2		1	2	2	14
Cancer of lung . . . . .	1												1
Cancer liver and kidneys . . . . .				1		1			2	3			7
Cancer of stomach . . . . .		1	1	2	1	5	2	1		1	1	2	17
Cancer of tongue . . . . .				1									1
Cancer of jaw and throat . . . . .					1					1			2
Cancer of uterus . . . . .	1		1	2	1	2	1				1		9
Cancer of vulva . . . . .			1										1
Multiple sarcoma . . . . .		1											1
Sarcoma of throat . . . . .			1		1	1				1			4
Syphilis . . . . .	1			1				1					3
Tumor . . . . .		2	1										3
Diabetes . . . . .	1		2	2	1			1	2			1	10
Scorbutus . . . . .			1										1
Tuberculosis . . . . .	8	3	8	5	4	9	9	2	3	10	6	9	76
Tubercular meningitis . . . . .	2			2	3	3			1			2	13
Tuberculosis of intestines . . . . .		2											2
Tuberculosis of knee . . . . .		1											1
<b>II. DISEASES OF THE NERVOUS SYSTEM.</b>													
Meningitis . . . . .	1							2	3		1		7
Apoplexy . . . . .	8	5	8	6	12	5	5	5	4	6	13	4	81
Paralysis . . . . .			1						1				2
Convulsions . . . . .	1												1
Neuritis . . . . .				1	1								1
Hemiplegia . . . . .	5			1	2	1		1			1	1	12
Epilepsy . . . . .							1		1				2
Myelitis . . . . .		1			1			1	1			1	5
Eclampsia . . . . .			1								1		2
Paresis . . . . .				1									1
Cerebro-spinal meningitis . . . . .											1	1	2
Encephalitis . . . . .	1												1
<b>III. DISEASES OF THE CIRCULATORY SYSTEM.</b>													
Heart disease . . . . .	11	9	8	8	3	7	2	4	2	6	6	8	74
Endocarditis . . . . .	1			1		2	1			1	3	1	10
Myocarditis . . . . .	2	1	2	2	2		2		3	1	1	3	19
Pericarditis . . . . .	1											1	2
Angina pectoris . . . . .	1		1	1									3
<b>IV. DISEASES OF THE RESPIRATORY SYSTEM.</b>													
Pneumonia . . . . .	24	14	34	15	13	9	3	2	4	5	9	18	150
Bronchitis . . . . .	3	3	1	2	3	2	2	1		1	1	3	22
Pulmonary œdema . . . . .	1	1	1	2	4			1		2	2	2	16
Empyema . . . . .		1	1	1	2	1	1						7
Pleurisy . . . . .	1			1								1	2
Laryngitis . . . . .	1			1						1			3

## MORTALITY IN SOMERVILLE IN 1910.—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	1	8
Colitis . . . . .	...	...	1	...	...	...	2	4	4	...	1	...	12
Gastritis . . . . .	1	...	...	1	...	1	4	1	...	1	2	1	12
Peritonitis . . . . .	1	...	1	...	...	1	1	1	1	...	1	...	7
Diarrhoea . . . . .	...	1	...	...	...	...	1	1	...	...	...	...	3
Cholera infantum . . . . .	...	...	...	...	...	...	5	5	...	...	...	...	10
Ptomaine poisoning . . . . .	...	...	1	...	...	...	...	...	...	...	...	...	1
Gastric ulcer . . . . .	...	2	...	...	...	...	...	1	1	...	...	...	4
Enteritis . . . . .	1	1	1	1	1	...	4	6	3	4	3	1	26
Hernia . . . . .	...	...	...	...	...	...	...	1	...	...	...	...	1
Intestinal obstruction . . . . .	1	...	...	...	...	...	...	1	1	...	1	1	5
Abscess of kidney . . . . .	...	...	1	...	...	...	...	...	...	...	...	...	1
Appendicitis . . . . .	...	1	...	...	...	3	...	3	1	1	1	1	11
Cirrhosis liver . . . . .	...	1	1	...	...	2	2	1	...	...	2	...	9
Gall stones . . . . .	...	...	...	1	...	...	...	1	...	...	...	...	2
<b>VI. DISEASES OF GENITO-URINARY SYSTEM.</b>													
Bright's disease . . . . .	1	...	3	1	1	1	1	...	1	...	2	...	11
Cystitis . . . . .	1	...	1	1	1	...	...	...	...	1	1	1	7
Nephritis . . . . .	12	10	6	8	9	5	8	1	5	5	5	5	79
Pyelitis . . . . .	...	...	...	...	...	...	...	...	...	...	1	...	1
<b>VII. CHILDBIRTH.</b>													
Childbirth . . . . .	2	1	2	1	...	1	1	...	1	...	...	2	11
<b>VIII. DISEASES OF THE SKIN AND CELLULAR TISSUE.</b>													
Abscess . . . . .	...	...	...	...	...	...	1	...	...	...	...	1	2
Carbuncle . . . . .	...	...	...	1	...	...	...	...	...	...	1	...	2
Gangrene . . . . .	...	1	...	...	1	...	...	...	...	...	...	...	2
<b>IX. MALFORMATIONS.</b>													
Hydrocephalus . . . . .	1	...	...	2	...	...	...	2	1	...	...	...	6
<b>X. EARLY INFANCY.</b>													
Malnutrition . . . . .	2	...	...	...	...	...	...	...	1	1	2	1	7
Inanition . . . . .	...	...	...	...	2	...	1	...	...	...	2	...	5
Asphyxia neonatorum . . . . .	...	1	...	...	...	...	...	1	...	...	...	1	3
Premature birth and congenital debility . . . . .	...	3	3	2	8	...	1	1	2	1	4	2	27
<b>XI. OLD AGE.</b>													
Old age . . . . .	...	1	...	1	...	2	...	1	1	1	...	1	8
Senile dementia . . . . .	1	1	1	...	1	1	1	1	1	1	...	...	9
Arterio-sclerosis . . . . .	2	2	2	2	1	2	2	1	4	1	3	3	25
<b>XII. VIOLENCE.</b>													
Drowning . . . . .	...	...	...	...	...	...	...	...	...	1	...	...	1
Railroad . . . . .	1	...	1	1	1	...	...	2	2	2	1	2	13
Suicide . . . . .	1	...	...	...	1	...	...	...	2	1	...	...	5
Burning . . . . .	...	...	2	1	...	...	1	...	...	1	...	...	5
Suffocation . . . . .	...	1	...	...	...	...	...	...	...	...	...	...	1
Ether asphyxia . . . . .	...	...	...	...	1	...	...	...	...	...	...	...	1
Fracture of hip . . . . .	...	1	...	...	1	...	...	...	...	...	1	...	3
Fracture of skull . . . . .	3	...	...	1	2	...	...	...	1	1	...	1	9
Fracture of ribs . . . . .	1	...	...	...	...	...	...	...	...	...	...	...	1
Fracture of thigh . . . . .	...	...	1	...	...	...	...	...	...	...	...	...	1
Morphine poison . . . . .	1	...	...	...	...	...	...	...	...	...	...	...	1
Total . . . . .	121	85	109	94	99	79	80	65	66	69	86	90	1043
Stillborn . . . . .	4	5	5	4	3	4	7	4	8	4	8	5	61

Population (estimated) . . . . . 77,500

Death rate per thousand . . . . . 13.5

**Social Relations of Decedents.**

Married . . . . .	366
Single . . . . .	403
Widow . . . . .	189
Widower . . . . .	79
Divorced . . . . .	6
Total . . . . .	1,043

**Nativity of Decedents.**

Somerville . . . . .	247
Massachusetts . . . . .	254
Other New England states . . . . .	169
Other states . . . . .	22
Canada . . . . .	102
England, Scotland, and Wales . . . . .	26
Ireland . . . . .	112
Italy . . . . .	24
Norway and Sweden . . . . .	27
Russia . . . . .	9
Other countries . . . . .	44
Unknown . . . . .	7
Total . . . . .	1,043

**Nativity of Parents of Decedents.**

	Father.	Mother.
Somerville . . . . .	32	29
Massachusetts . . . . .	178	204
Other New England states . . . . .	220	160
Other states . . . . .	19	24
Canada and provinces . . . . .	120	104
England, Scotland, and Wales . . . . .	11	13
Ireland . . . . .	282	317
Italy . . . . .	45	42
Norway and Sweden . . . . .	18	16
Russia . . . . .	10	11
Other countries . . . . .	28	21
Unknown . . . . .	80	102
Total . . . . .	1,043	1,043

Of the parents of the stillborn, 32 fathers and 33 mothers were natives of the United States, and 29 fathers and 28 mothers were of foreign birth.

**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.*—Three hundred thirty-six cases of scarlet fever have been reported during the year, five of which resulted fatally. In 1909 there were 320 cases, nine of which resulted fatally.

*Diphtheria.*—Two hundred twenty-six cases of diphtheria have been reported during the year, twenty of which were fatal. In 1909 there were 334 cases, twenty-seven 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 forty-nine cases of tuberculosis have been reported during the year. There were seventy-six deaths from this disease.

*Typhoid Fever.*—Fifty-seven cases of typhoid fever have been reported during the year, six of which have proved fatal. In 1909 there were ninety-nine cases reported, eight of which were fatal.

*Typhus Fever, Cholera.*—No cases of typhus fever or cholera have been reported the past year.

*Smallpox.*—No case of smallpox has been reported during the year.

Number of persons with diphtheria or scarlet fever taken in ambulance to hospital by agent . . . . .	186
Number of cases of scarlet fever and diphtheria for which houses were placarded . . . . .	562
Number of premises disinfected by agent . . . . .	1,146

It will be seen by the foregoing figures that, in addition to the 562 premises infected with scarlet fever or diphtheria, 584 other premises were disinfected. Twenty-eight disinfections were made at the request of attending physicians whose patients had been ill with typhoid fever or cancer. Four hundred forty-three schoolrooms were disinfected, 405 for scarlet fever, thirty-eight for diphtheria, and 113 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 1910 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 1910.**

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 . . .	34	....	....	35	5	14.3	6	....	....
February . . .	12	....	....	23	3	13.	2	1	50.
March . . . .	21	....	....	13	....	....	1	....	....
April . . . .	124	1	0.8	13	2	11.	3	1	33.3
May . . . .	76	....	....	31	2	6.4	4	1	25.
June . . . .	18	....	....	18	2	11.	5	1	20.
July . . . .	7	2	28.6	17	2	11.8	1	....	....
August . . . .	6	....	....	8	1	12.5	9	....	....
September . . .	4	....	....	15	2	13.3	8	1	12.5
October . . .	11	....	....	11	....	....	9	....	....
November . . .	8	....	....	14	....	....	6	1	16.6
December . . .	15	2	13.3	23	1	4.3	3	....	....
Total . . .	336	5	1.5	226	20	9.0	57	6	10.5

**Deaths from Scarlet Fever, Diphtheria and Typhoid Fever in the Last Ten Years.**

MONTHS.	SCARLET FEVER.										DIPHTHERIA.										TYPHOID FEVER.									
	1901.	1902.	1903.	1904.	1905.	1906.	1907.	1908.	1909.	1910.	1901.	1902.	1903.	1904.	1905.	1906.	1907.	1908.	1909.	1910.	1901.	1902.	1903.	1904.	1905.	1906.	1907.	1908.	1909.	1910.
January . . .	..	..	4	..	..	..	3	..	2	..	10	4	1	3	3	..	1	1	4	5	1	..	3	1	..	..	1	1	..	..
February . . .	4	1	2	1	1	..	2	..	1	..	4	..	2	3	2	2	..	..	4	3	2	..	1	..	..	1	..	..	..	1
March . . . .	1	..	..	1	1	..	1	3	..	..	2	..	3	..	..	..	..	1	3	..	..	..	1	1	..	..	..	..	..	..
April . . . .	..	..	..	..	1	..	..	2	1	..	..	1	..	1	1	5	..	2	2	2	..	..	..	..	1	3	..	2	1	1
May . . . .	..	..	..	..	..	1	1	..	..	..	3	2	2	3	1	2	1	1	1	2	..	..	1	1	1	1	..	..	..	1
June . . . .	..	..	1	..	1	..	..	1	..	..	..	1	..	1	..	1	..	1	2	2	..	1	..	1	2	2	1	1	..	1
July . . . .	..	..	..	..	..	..	..	..	2	..	..	1	..	1	..	..	1	2	2	2	1	1	..	1	1	..	..	1	..	..
August . . . .	..	..	..	..	1	..	2	..	..	..	2	1	2	1	..	..	..	1	3	1	1	1	..	2	..	1	1	..	..	..
September . . .	..	..	..	..	..	..	..	..	..	..	1	..	2	..	1	..	..	..	..	2	3	1	2	..	..	1	1	1	..	1
October . . . .	..	..	..	..	..	1	1	..	..	..	3	2	2	..	2	2	..	..	..	2	1	1	2	..	1	2	4	1	4	..
November . . .	..	1	..	..	..	1	1	..	..	..	2	3	2	..	3	1	1	2	1	..	..	..	..	3	3	..	3	1	2	1
December . . .	..	1	3	1	..	2	..	..	2	..	1	5	2	2	3	1	4	2	2	1	3	1	..	1	1	..	..	..	..	..
Total . . .	5	3	10	3	4	1	12	4	9	5	29	19	19	14	17	15	9	11	27	20	12	6	10	11	9	11	11	9	8	6

**Table of Deaths During the Last Ten Years.**

Year.	No. of Deaths.	Rate per 1,000.
1901 . . . . .	831	13
1902 . . . . .	890	13
1903 . . . . .	955	14
1904 . . . . .	964	14
1905 . . . . .	968	14
1906 . . . . .	1,004	14
1907 . . . . .	997	14
1908 . . . . .	903	12
1909 . . . . .	988	13
1910 . . . . .	1,043	13
Average death rate per 1,000 for ten years . . . . .		13

**Table Showing the Five Principal Causes of Death in Somerville in 1910.**

PNEUMONIA.		HEART DISEASE.		CANCER.		APOPLEXY.		NEPHRITIS.	
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.
150	19.4	108	13.9	82	10.6	81	10.5	79	10.2

**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 4,968 children have been referred to the inspectors during their daily visits, and 1,032 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 . . . . .	4
Whooping cough . . . . .	8
Chicken pox . . . . .	12
Mumps . . . . .	13
Scarlet fever . . . . .	8
Total . . . . .	45
2. Diseases of the nose and throat:—	
Enlarged tonsils and adenoids . . . . .	713
Inflammatory diseases . . . . .	246
Other abnormal conditions . . . . .	6
Total . . . . .	965
3. Diseases of the eyes:—	
Inflammatory conditions of the eyes and lids . . . . .	139
Foreign bodies and injuries . . . . .	7
Other abnormal conditions . . . . .	62
Total . . . . .	208
4. Diseases of the ears:—	
Inflammatory condition . . . . .	19
Other abnormal conditions . . . . .	12
Total . . . . .	31
5. Diseases of the skin:—	
Pediculosis . . . . .	911
Impetigo . . . . .	45
Scabies . . . . .	27
Eczema . . . . .	19
Tinea . . . . .	22
Herpes . . . . .	16
Miscellaneous conditions . . . . .	99
Total . . . . .	1,139

## 6. Miscellaneous diseases:—

Constitutional diseases . . . . .	27
Diseases of the digestive system . . . . .	67
Diseases of the respiratory system . . . . .	97
Diseases of the circulatory system . . . . .	2
Diseases of the lymphatic system . . . . .	66
Diseases of the nervous system . . . . .	59
Diseases of the urinary system . . . . .	2
Wounds and injuries . . . . .	42
Other conditions . . . . .	28
Total . . . . .	<hr/> 390
Total number of diseases reported . . . . .	<hr/> 2,778

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, 66 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, 396 Highland avenue.

*District No. 7.*—Glines, English High, and Latin High schools. Inspector, Dr. R. F. Gibson, 108 Highland 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. An epidemic of scarlet fever in the spring filled the hospital to overflowing, and a much more widespread epidemic was undoubtedly averted by the fact that so many cases could be cared for in this institution. The alterations and improvements begun during the past year were completed in the early part of the present year, and great credit is due Mr. Littlefield, the building commissioner, for his careful consideration of the needs of the institution, and his skilful and painstaking efforts in carrying out his plan. The institution is now well equipped and in every way modern and convenient.

Miss Edith M. Grant, who was appointed in October of last year, 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*.—For several years there has been a strong agitation in favor of the establishment of a tuberculosis hospital, and the board has recommended an appropriation for this purpose. During the spring the matter was again considered, and through the efforts of Mr. Rideout, president of the board of aldermen, a public hearing was held in September, at which the Somerville Visiting Nursing Association, board of health, and several private individuals and representatives of associations or societies strongly urged the necessity of the establishment of such a hospital. Early in the fall \$8,700 was appropriated for this purpose, plans were drawn by Mr. Littlefield, bids were received, and a building to accommodate twenty-five patients was begun. This building is now in process of construction, and will probably be ready for occupancy early in the year.

#### **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.
- Highland Pharmacy, 263 Highland avenue.
- 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.
- Paul S. Eaton, 693 Broadway.
- Willis S. Furbush & Co., 1153 Broadway.

After the specimen is collected, it must be taken 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 1910.

#### HEALTH DEPARTMENT.

CREDIT.	
Appropriation . . . . .	\$8,550 00
Receipts:—	
Fees for milk licenses . . . . .	294 00
Fees for analysis of milk samples . . . . .	87 00
Fees for permits to keep swine, goats, etc. . . . .	70 00
Use of telephone (E. W. Danforth) . . . . .	30
Sale of condemned veal to George W. Norton . . . . .	39
Sundry cities and towns, for care of diseases dangerous to public health . . . . .	758 71
	<hr/>
Total credit . . . . .	\$9,760 40
DEBIT.	
Salaries . . . . .	\$5,300 00
New buggy . . . . .	90 00
Repairing vehicles . . . . .	25 50
Repairing generator . . . . .	27 50
Repairing harnesses . . . . .	12 00
Horse medicine and doctoring . . . . .	10 78
Horseshoeing . . . . .	22 50
Burying dead animals . . . . .	95 25
Office expenses, milk inspector . . . . .	905 22
Books, stationery, printing, and postage . . . . .	197 22
Bacteriological laboratory . . . . .	113 87
Board of agent's horse . . . . .	312 50
Telephones . . . . .	115 98
Care of diseases dangerous to the public health (settlements in Somerville) . . . . .	4,202 83
Exterminating mosquitoes . . . . .	53 29
Incidentals . . . . .	135 94
	<hr/>
Total debit . . . . .	\$11,620 38
Amount overdrawn . . . . .	<hr/> \$1,859 98

#### Health Department, Collection of Ashes and Offal.

CREDIT.	
Appropriation . . . . .	\$50,000 00
Sale of offal . . . . .	8,775 15
Sale of paper, etc. . . . .	981 80
Sale of manure . . . . .	50 00
Sale of three old horses . . . . .	250 00
Sale of second-hand buggy . . . . .	10 00
Received from Health Department for labor, exterminating mosquitoes . . . . .	16 00
	<hr/>
Total credit . . . . .	\$60,082 95

DEBIT.	
Salary of superintendent . . . . .	\$1,400 00
Collection of ashes . . . . .	34,916 15
Collection of offal . . . . .	18,588 00
Stable expenses . . . . .	2,913 75
Two new offal wagons . . . . .	395 00
New buggy . . . . .	100 00
New sleigh . . . . .	25 00
Repairing wagons . . . . .	648 44
Tools and repairing same . . . . .	187 88
Harnesses and repairing same . . . . .	868 93
Eight new horses . . . . .	2,475 25
Horse doctoring . . . . .	159 17
Board of superintendent's horse . . . . .	288 16
Horseshoeing . . . . .	898 39
Hay and grain . . . . .	6,436 70
Incidentals . . . . .	404 37
Spraying for Health Department for exterminating mosquitoes . . . . .	16 00
Total debit . . . . .	<u>\$70,721 19</u>
Amount overdrawn . . . . .	<u>\$10,638 24</u>

#### Health Department, Hospital for Contagious Diseases.

CREDIT.	
Appropriation . . . . .	\$1,000 00
Received from sundry persons, cities and towns, and commonwealth of Massachusetts . . . . .	6,984 93
Total credit . . . . .	<u>\$7,984 93</u>

DEBIT.	
Salaries of employees . . . . .	\$4,959 77
Supplies . . . . .	1,193 81
Groceries and provisions . . . . .	2,510 90
Incidentals . . . . .	301 87
Total debit . . . . .	<u>\$8,966 35</u>
Amount overdrawn . . . . .	<u>\$981 42</u>

#### Health Department, Medical Inspection in the Public Schools.

CREDIT.	
Appropriation . . . . .	\$1,450 00
DEBIT.	
Salaries of inspectors . . . . .	\$1,400 00
Balance unexpended . . . . .	<u>\$50 00</u>

#### Appropriations Overdrawn.

Health Department . . . . .	\$1,859 90
Health Department, Collection of Ashes and Offal . . . . .	10,638 24
Amount carried forward . . . . .	<u>\$12,498 14</u>

Amount brought forward . . . . .	\$12,498 14
Health Department, Hospital for Con- tagious Diseases . . . . .	981 42
	<hr/>
Total overdrawn . . . . .	\$13,479 56
Balance unexpended, Health Department, Medical In- spection in Public Schools . . . . .	50 00
	<hr/>
Net amount overdrawn . . . . .	\$13,429 56

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, 1911.

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

Gentlemen,—I herewith present the report of the medical inspector for the year 1910, including the statistics of the contagious disease hospital and the bacteriological laboratory.

**Scarlet Fever.** During the year 336 cases of this disease were reported in the city, an increase of sixteen in number over the previous year. Every case has been inspected, before the house was fumigated, and 334 visits were made at residences to determine when desquamation was complete.

During the latter part of April and the early part of May an extensive epidemic of scarlet fever invaded the city, 116 cases being reported in April and seventy-five in May. From investigation, it was found that the neighboring cities of Malden, Everett, and Cambridge, and certain sections of Boston were also involved, and further study of the epidemic showed that the excess of cases were supplied with milk from one contractor. Vigorous measures were taken to stop it by restricting and pasteurizing the supply, and the disease soon assumed the normal number.

**Diphtheria.** During the year 226 cases of diphtheria have been reported in the city, a decrease from the previous year, when 334 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 264 visits were made at houses for this purpose.

**Typhoid Fever.** During the year fifty-seven cases of this disease were reported, a decrease of forty-two cases from the previous year.

**Tuberculosis.** One hundred and forty-nine 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 1910, 147 visits have been made to thirty patients.

### **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 pa-

tients transferred to the medical inspector on October 1. During 1910 this arrangement has continued, 362 visits having been made at the hospital during the year.

**Scarlet Fever.** During the year eighty-six cases of scarlet fever were admitted, two of which proved fatal. Forty-two of these cases were among males, and forty-four among females. Twenty-one were under five years of age, twenty-five from five to ten years, and the remainder were over ten years. Vomiting was a constant symptom, it occurring in forty-nine cases, and a sore throat in sixty-four cases. In seven cases the rash occurred on the first day of the illness, in forty-six cases on the second day, and in twenty-three instances on the third day. There was membrane present on the tonsils in thirty-one cases; in twelve cases the disease was complicated with nephritis; in three cases with rheumatism, in seven cases with discharging ears, in nineteen with enlarged cervical glands, and in addition seven had diphtheria. The average stay in the hospital was forty days.

During the scarlet fever epidemic in April and May one patient was admitted with this disease, and on the following day showed, in addition, an eruption of measles. Although she was immediately isolated, the crowded condition of the hospital did not allow of its complete efficiency, and five other cases contracted the disease from her, the incubation period varying from twelve to nineteen days.

One case complicated with measles also came to incubation with complete recovery.

Another patient was admitted with scarlet fever, and five days after admission showed an eruption of varicella, she being promptly isolated. The patient in the next crib, however, had the disease twenty-two days later.

Two other patients were attended by their own physicians.

**Diphtheria.** During the year 100 cases of diphtheria were admitted, ten of which proved fatal. Of these patients, forty-four were among males and fifty-six among females. Twenty-six were under five years of age; thirty-seven were from five to ten, and the remainder were over ten. Ten entered the hospital on the first day of their illness, and all recovered. Forty-one entered the second day of the illness, and two died; fourteen on the third day, with one death; eleven on the fourth day, with two deaths; seven on the fifth day, with two deaths; two on the seventh day, with one death; one on the eighth day, with one death; and three on the tenth day, with one death. The importance of early treatment with anti-toxin is thus very obvious. Of the laryngeal cases eight came to intubation, five of whom recovered. In twenty-five patients the membrane extended over both tonsils, uvula and palate, five of whom died from systemic infection involving both the heart and kidneys. The throat was clear of membrane in fourteen cases on the

second day, in sixteen cases on the third, in thirteen cases on the fourth, in thirteen cases on the fifth, in nine on the seventh, in three on the ninth, one on the eleventh, and one on the thirteenth. In fifty-two patients eruptions appeared on the body due to the use of the anti-toxin, and in five patients joint pains occurred from the same cause. The average stay in the hospital was eighteen days. Of the ten deaths during the year, three died within twenty-four hours of admission and were hopeless at that time, and were complicated with cardiac paralysis. Three cases were complicated with measles upon admission, all came to intubation, and one died, all being in one family. One case of varicella occurred seventeen days after the patient was admitted. Four cases were attended by their own physicians.

DISEASE.	Admission by Months.												Total admitted.	Cured.	Died.	Remaining January 1, 1911.	Percentage of Fatality.	
	Remaining January 1, 1910.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.						December.
Scarlet fever . . .	10	4	5	4	28	21	6	3	1	2	6	2	4	86	90	2	4	2.1
Diphtheria . . .	5	12	13	6	5	11	8	9	6	6	4	10	10	100	90	10	5	10
Erysipelas . . .	1	..	..	1	1	1	..	..	..	1	..	..	..	4	4	1	..	..
Carbuncle of lip .	..	..	..	..	..	..	..	..	..	..	..	1	..	1	..	1	..	..
Totals . . . . .	16	16	18	11	34	33	14	12	7	9	10	13	14	191	134	14	9	..

Patients Treated at the Contagious Hospital.

### Bacteriological Department.

In March, 1910, the laboratory accommodations which had been provided for the past seven years were considered inadequate, and a room on the third floor of the city hall was finished and equipped with modern appliances under the direction of the building commissioner. The milk inspector also transferred his work to this laboratory, and it has been performed in the same room.

During the year 1910 1,062 examinations were made of cultures for the diphtheria organism, 185 examinations made of sputum from patients suspected of having tuberculosis, and 120 examinations to detect the Widal reaction in typhoid fever.

**Diphtheria.** Ten hundred and sixty-two cultures have been examined for diphtheria, 448 being in males and 614 in females. Diphtheria being a disease of children, 341 of these examinations have been made in children under five years of age, 247 in those from five to ten years of age, 235 from ten to twenty, and 222 in adults over twenty years. In seventeen cases the age of the patient was not stated. Five hundred and forty examinations were made for the diagnosis of the case, ninety proving positive and 450 negative. Of the positive results, twenty-four were of cases in which the attending physician's diagnosis of diphtheria was confirmed, fourteen in which the clinical diagnosis was not diphtheria, and fifty-two in which no definite diagnosis was made. Of the 450 negative examinations, thirty-one were obtained in which the clinical diagnosis was diphtheria, 144 in which the diagnosis was not diphtheria, and 275 in which no diagnosis had been made.

Five hundred and twenty-two cultures were taken for release of patients from quarantine, seventy-five of which were positive and 447 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 six examinations there was no growth upon the serum tube.

**Tuberculosis.** One hundred and eighty-five examinations have been made of sputum suspected of containing the tubercle bacillus, thirty-six of which were positive and 149 negative. In sixty-four cases a definite diagnosis of this disease had been made by the attending physician, but in forty-six of them the organism could not be detected. In the remainder of the cases, eighty-five were stated as not showing evidence of the disease, twelve being positive, and in thirty-six cases no statements were made giving information as to its character, six of which were positive. Eighty-eight were males and ninety-seven 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 con-

taining 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 seven 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 and twenty examinations of the blood of patients suspected of having typhoid fever have been made, twenty-four of which proved positive. In thirty-six cases a positive diagnosis of this disease had been made by the attending physician, in five 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, eighteen were diagnosed as typhoid, five were said not to be typhoid, and in seventy-three no diagnosis was made. Sixty-five were males and fifty-five females.

**Summary for Eight Years, 1903, 1904, 1905, 1906, 1907, 1908, 1909, 1910.**

**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

	For Diagnosis	Clinical Diagnosis		Diph. Clin. Diag. not Diph.		Clin. Diag. not stated	
		Positive	Negative	Positive	Negative	Positive	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	214
1908	524	57	48	14	96	92	217
1909	637	54	28	18	121	117	299
1910	540	24	31	14	144	52	275

	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

**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

	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

**Blood for Typhoid Fever.**

	No. Examined	Males	Females	Tuberculosis		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

	Clin. Diag. not Typhoid Fever		Clin. Diag. not stated	
	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

Respectfully submitted,

FRANK L. MORSE,

Medical Inspector.

## REPORT OF INSPECTOR OF ANIMALS AND PROVISIONS.

OFFICE OF THE BOARD OF HEALTH, CITY HALL,  
Somerville, Mass., January 1, 1911.

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 1910.

The following is a statement of the number of animals killed during the year at the five slaughtering establishments in the city:—

Swine, 893,928; sheep, 299,587; calves, 58,233; cattle, 21,627. The work of the five large establishments in Somerville has been inspected by me as required by the law.

Somerville is one of the largest quarantine stations for the export of animals in the United States, the number exported last year being: Cattle, 41,656; sheep, 455.

The total number of neat cattle kept in the city is 259; swine, 202; cows, fifty-four; goats, three, all of which have been inspected by me several times during the year.

There have been 3,682 horses examined in stables where contagious diseases were reported to exist. Thirty-nine were quarantined, a decrease from last year of four. Of this number, thirty-seven were killed and two were released. Two cows suspected of tuberculosis were quarantined, then released, after being tested and found free from disease. All the stables where cows are kept have been whitewashed, disinfected, and ventilated.

All the blacksmith shops of the city have been disinfected and whitewashed during the year.

Four hundred and twenty-eight visits have been made to the eighty-nine bakeries in the city, and all are in good condition.

Three hundred and eighty-seven visits have been made to the eighty-four barber shops, and all regulations are being complied with. All have been frequently inspected, and most of them have been found to be in excellent condition.

There have been 2,792 visits made to stores and markets, and 973 pedlers' carts have been inspected from which fish, provisions, and produce were sold.

The following articles have been condemned and destroyed:—

### Fish.

Codfish, whole, 27; bluefish, whole, 21; flounders, whole, 106; haddock, whole, 126; halibut, whole, 19; halibut, smoked, 6 pounds; herring, fresh, 2,180; mackerel, whole, 97; pollock, whole, 86; salmon, fresh, 28 pounds; clams, 1 bushel; lobsters, 29; oysters, 3½ gallons.

**Meats.**

Beef, fresh, 681 pounds; beef, corned, 342 pounds; Hamburg steak, 25 pounds; livers, whole, 15; mutton, 103 pounds; pigs' feet, 11½ kegs; pork, fresh, 87 pounds; pork, salt, 36 pounds; pork, smoked, 162 pounds; poultry, 491 pounds; sausage, fresh, 16 pounds; sausage, smoked, 14 pounds; tripe, 9 kegs; veal, 109 pounds.

**Fruit.**

Apples, 19 bushels; bananas, 92 dozen; cantaloupes, 14½ crates; dates, 1¼ boxes; grape fruit, 11 dozen; grapes, 16 baskets; lemons, 16½ dozen; oranges, 3 boxes; peaches, 11 baskets; plums, 3 baskets; blackberries, 67 quarts; raspberries, 41 cups; strawberries, 219 quarts.

**Vegetables.**

Beans, green, 8 crates; beets, 2 bushels, 32 bunches; cabbage, 4 barrels; carrots, 1½ bushels; cauliflower, 28 head; celery, 64 bunches; cucumbers, 8 crates; greens, 17 bushels; lettuce, 6 boxes; onions, 3 bushels; potatoes, white, 21 bushels; potatoes, sweet, 29 crates; squash, 7 barrels; tomatoes, 16 baskets; turnips, 6 barrels.

I have performed all other duties as required by your board.

Respectfully submitted,

CHARLES M. BERRY.



## REPORT OF THE INSPECTOR OF MILK AND VINEGAR.

OFFICE OF THE INSPECTOR OF MILK,  
City Hall, January 2, 1911.

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

Gentlemen,—I herewith submit my report for the year ending December 31, 1910.

### Milk.

It is estimated that there are 7,226,400,000 gallons of milk produced annually in the United States. While this figure seems large, it only allows for six-tenths of a pint of milk to each individual. Milk in New England forms about sixteen per cent. of the total food of the average American family. While adults consume a large quantity of milk, infants and children use the greater portion, as milk is the principal article of diet up to five years of age.

Of this enormous quantity of milk produced, Somerville consumes daily about 22,828 quarts, supplied by 109 milkmen, who deliver directly to the consumer or through the 472 stores licensed to sell milk.

All of the contractors and some of the smaller dealers sell pasteurized milk, but the majority of the dealers handle raw milk.

The yearly average was butter fat, 3.58+, total solids, 12.70+; the average for December, 1910, was butter fat, 3.96+, total solids, 12.98+, the highest for the year; while the average for July was butter fat, 3.49+, total solids, 12.18+, the lowest for the year.

At that season of the year milk is produced under the most trying conditions, the farmers, being interested in other work, leaving the cattle to get along as best they may without proper attention, food, or drink.

During the year 1,279 samples of milk were examined chemically, and 281 samples were examined for bacteria, both kind and quantity. Of this number, 163 were below chemical standard, and fifty-two were higher in bacterial content than is allowed by the Milk Rules and Regulations which were adopted in May, 1910.

The different varieties sold in Somerville and delivered by teams, in sealed bottles only, direct to the consumer, are called:—

“Certified Milk,” which is certified to contain at least four per cent. butter fat and over thirteen per cent. total solids, and contain under 10,000 bacteria per cubic centimeter, sells at from twelve cents to sixteen cents per quart.

“Baby Milk,” which is bottled for families who are feeding

children with cow's milk, and comes from the cleanest dairy supplying the dealer, sells from ten to twelve cents per quart, and ordinary

"Farm Milk," the average price of which is nine cents.

"Modified Milk" is sold by some dealers from specially-written physicians' prescriptions, which vary according to the needs of the patient, the price varying according to the contents.

Ordinary "Market Milk" may be purchased from stores in three ways, sealed bottles, or from dip tanks, or from cans by the pint or quart. This last method is the cheapest, but it is being gradually discontinued, as it is the least sanitary.

#### **Standard.**

The statute relating to the chemical standard reads as follows: "Milk, which upon analysis is shown to contain less than 12.15 per cent. of milk solids or less than 3.35 per cent. butter fat, shall not be considered of good standard quality."

Not only must the milk comply with the above law, but it must also be clean, wholesome, and safe, complying with the regulations of the board of health, which requires that "Milk shall contain not more than 500,000 bacteria per cubic centimeter, and shall contain no pathogenic micro-organisms." To attain this end, each specimen is subjected to a microscopical examination, and a bacterial count is also made.

#### **Bacteriology.**

Two cubic centimeters of each sample of milk are centrifuged for twenty minutes, smears are then made according to "Slack's Method," and examined microscopically for pus or pus and streptococci or streptococci.

If the milk of any dealer shows the presence of any organism dangerous to health, the individual dairies supplying him are subjected to these tests, and the one at fault is withdrawn from that dealer's supply.

In making the bacteriological count of certified milk, one cubic centimeter of milk is mixed with ninety-nine cubic centimeters of steril water, giving a dilution of one part to a hundred.

In ordinary market milk it is necessary to go a step further and dilute one cubic centimeter of diluted milk with ninety-nine cubic centimeters more of steril water, giving a dilution of one to 10,000. One cubic centimeter of this last dilution is then mixed with nutrient agar in steril petri dishes and incubated for two days (forty-eight hours) at thirty-seven degrees centigrade. Then the number of colonies of bacteria seen growing under the magnifying glass show the actual number of individual bacteria in the original cubic centimeter of milk when multiplied by 100 or 10,000, according to the dilution used. It

became possible to do this bacteriological work only when the laboratory was established in the early part of 1910.

The inspection of a city's milk supply is a many-sided problem. The average consumer believes that milk having a plainly-marked cream line and no visible sediment is pure, and little or no interest has been taken in the actual cleanliness and bacterial count of the milk. Any one by straining the milk may remove the visible particles of dirt, but the bacteria pass on and continue to multiply, and I wish to urge that all who can visit the stable or milk rooms where the milk is bottled, and see if it is handled in as cleanly a manner as they would prepare any other article of food for their table.

It is the bacteria with which the milk becomes contaminated and are *not* visible to the naked eye, and their soluble toxins, which cause disease.

The following instructions are printed on the reverse side of each notice of high bacterial content, and if followed will materially assist the dealer: "To insure that your milk or cream shall conform to the requirements, both *cleanliness* and *cold* are absolutely necessary at every stage of its handling. With clean cows, clean hands, clean pails, clean cans, labels, strainers, etc., absence of dust in the air to which milk is exposed, rapid cooling, and continuous maintenance thereafter of the temperature at or below fifty degrees Fahrenheit, you need have no failures in meeting the demands of the regulations."

#### **Laboratory.**

In March, 1910, a laboratory was built on the top floor of city hall, under the direction of Walter T. Littlefield, to be used by the department of milk inspection and by the medical inspector, Dr. Frank L. Morse. Modern apparatus was installed for the chemical and bacteriological examination of milk, thereby placing Somerville in a position to do all kinds of laboratory work on milk, vinegar, butter, and oleomargarine.

#### **Bottles.**

There seems to have been during the last year among the milk dealers a growing disregard of Section 3, Chapter 435, Acts of 1908. I wish to urge all dealers to observe this law, as it is still in force. I am informed that there is being formed an association whose object is to exchange stray bottles, and I advise every dealer to look into this matter.

The milk dealers have co-operated with me in every way possible to improve the quality of the milk sold in Somerville, and thanks are due to the Somerville newspapers, which have willingly assisted me in the educational work, both among the producers and consumers, by publishing from time to time articles emphasizing the necessity of cleanliness and cold in the handling of all milk.

**Vinegar.**

During the year there have been twenty-seven samples of vinegar (in bulk) collected and analyzed.

With four exceptions, these samples were of good quality and properly classified.

The dealers were notified who were handling the impure article.

**Oleomargarine.**

There are nine dealers licensed to sell butterine in Somerville until May 31, 1911.

**Court Cases.**

No license to sell milk . . . . .	5
No license to sell cream . . . . .	1
Selling milk not of good standard quality . . . . .	14
Selling milk to which a foreign substance has been added (water) . . . . .	2
<b>Total</b> . . . . .	<b>22</b>
Convictions . . . . .	20
Acquittals . . . . .	2
<b>Total</b> . . . . .	<b>22</b>
Fines . . . . .	\$145.00

**Statistics.**

Licenses issued (oleomargarine, 9, milk, 579) . . . . .	588
Chemical samples collected . . . . .	1,069
Bacteriological samples collected . . . . .	281
Vinegar samples collected . . . . .	27
<b>Total collections</b> . . . . .	<b>1,377</b>
Samples left at office . . . . .	210
<b>Total analyses</b> . . . . .	<b>1,587</b>
Notices of milk below standard . . . . .	163
Bacteria notices . . . . .	52
Other notices . . . . .	25
<b>Total notices</b> . . . . .	<b>240</b>
Inspections (stores, dairies, stables, etc.) . . . . .	985

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, 1910.

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

Gentlemen,—We beg herewith to submit our annual report for the year 1910, together with the report of the general agent for miscellaneous account and of the warden of the city home, including table showing receipts and expenditures.

The year has certainly been a favorable one for our department, so far as it is probable or possible, as labor has been in good demand and we have been free from epidemics or unusual calls for medical aid. We realize, however, that, as charity begins, so it must continue always and rightly—at home and everywhere.

In the exercise of this charity we feel that our city is doing its full and generous duty.

We would congratulate our agent upon the successful completion of twenty-five years of able service; and also our city in securing the services of one whose heart as well as his head has been so conscientiously given to his work. The work at the home has been most satisfactory, and the proceeds from the farm larger than ever before.

As is suggested in the added reports, we do and have for a long time felt the need of some accommodation for the sick at the home, and the large number of extreme cases in the past year have brought this fact very clearly before us. We would respectfully ask your consideration of the matter.

Respectfully submitted,

E. B. WEST,	} Overseers of the Poor.
A. W. EDMANDS,	
H. F. CURTIS,	

## REPORT OF GENERAL AGENT.

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Somerville, Mass., December 31, 1910.

To the Board of Overseers of the Poor, Somerville, Mass.:—

Gentlemen,—In accordance with recent custom, the general agent begs leave to submit the following report for the year 1910:—

The work of the department has been carried on in much the same way as previous years. Help has been in fair demand, and all who desire to do so have found work.

We have expended during the year past \$16,110.42 for the miscellaneous account of the outdoor poor, divided as follows: \$4,195.25 for food, \$469.80 for fuel, \$221.37 for nursing, and for board of sundry persons, \$661.36. We have paid other cities and towns for aid rendered paupers having a settlement in this city \$3,050.93. We have assisted in the burial of several persons to the amount of \$292. The salaries paid, including that of the city physician, have amounted to \$3,920.67. We collected during the year for the Somerville Hospital, for care and treatment of persons not settled in this city, \$1,982.72. We paid \$195.39 for medicine used by our city physician in his work for the sick poor. These and other minor bills have been paid by our miscellaneous department.

There are at this date, December 31, 1910, thirty-one inmates at the city home. Quite a large amount of produce was raised on the farm, and on the whole a very satisfactory financial showing was made.

It seems to us that it is really necessary to have a small hospital ward added to the home, so that the sick inmates may have proper care and treatment in a place suitable for them. This was asked for last year, and it seems more necessary than ever now, in view of the large amount of sickness at the home lately.

In my report to you in 1909 I referred to the children who were being supported at the hospital school at Canton, saying that it did not seem to me that this department should pay for their support there. In compliance with the request of the board, I submitted the matter to the mayor, and he, after consulting with the city solicitor, sent the bills to the finance committee, and on December 15 an order was adopted in the board of aldermen, directing this department to pay the bill, which it has done. It still seems to me that this department is not the one to pay bills of this kind.

A few years ago we were asked to pay bills for the maintenance of truants at the Truant School at Chelmsford. This

we contested, and the bills were afterwards assumed by the school board, and are being paid by them at the present time. The bills for supporting these children in the hospital schools should also be paid, I think, from the appropriation for schools. All the poor department has to do with this matter is to look up the settlement and see whether or not the cases belong to us.

In consequence of the large amount of work we have to do in looking up settlements for the board of health, some extra clerical help has been required. The cost during the year 1910 was about \$125. If the law could be changed so that the board of health would do their own work in regard to settlements, it would relieve us somewhat.

I wish to thank the board for another pleasant year—my twenty-fifth of service in this department. The relations have been very cordial and harmonious.

The usual tables are annexed.

Very respectfully,

C. C. FOLSOM,

General Agent.



**Table No. 1.****FULL SUPPORT (DURING THE YEAR).**

In city home (men 37, women 17) . . . . .	54
In city home December 31, 1910 (men 21, women 10) . . . . .	31
In private families . . . . .	1
In Somerville hospital . . . . .	221
In hospitals for the sick in other towns, cities, and state . . . . .	78
In care of state division minor wards . . . . .	3

**Table No. 2.****PARTIAL SUPPORT (OUTDOOR RELIEF).**

Families . . . . .	208
Persons aided (not including hospital cases) . . . . .	803
Burials . . . . .	15
Permits to state infirmary . . . . .	16
Average expense to the city for each (ambulance for one),	\$1.84

**Table No. 3.****REIMBURSEMENTS.**

Commonwealth of Massachusetts . . . . .	\$1,110 65
City of Boston . . . . .	802 76
“ “ Cambridge . . . . .	342 27
“ “ Chelsea . . . . .	52 86
“ “ Everett . . . . .	90 57
“ “ Fall River . . . . .	4 60
“ “ Lawrence . . . . .	80 00
“ “ Malden . . . . .	42 00
“ “ Medford . . . . .	201 50
“ “ New Bedford . . . . .	29 60
“ “ Newburyport . . . . .	44 29
“ “ Newton . . . . .	132 60
“ “ Springfield . . . . .	62 35
“ “ Taunton . . . . .	36 00
“ “ Waltham . . . . .	78 57
“ “ Woburn . . . . .	50 68
“ “ Worcester . . . . .	105 71
Town of Arlington . . . . .	37 17
“ “ Boylston . . . . .	10 00
“ “ Burlington . . . . .	124 33
“ “ Foxboro . . . . .	18 93
“ “ Framingham . . . . .	10 00
“ “ Halifax . . . . .	48 57
“ “ Hanover . . . . .	31 00
“ “ Hingham . . . . .	105 71
“ “ Leominster . . . . .	52 17
“ “ Lexington . . . . .	11 43
“ “ Revere . . . . .	40 00
“ “ Wakefield . . . . .	7 14
“ “ Watertown . . . . .	10 00
“ “ Weston . . . . .	8 00
Relatives and individuals . . . . .	100 00
	<hr/>
	\$3,881 46

**Table No. 4.**  
**SOMERVILLE HOSPITAL (PATIENTS ON CITY BEDS).**

Patients having settlement in Somerville . . . . .	83
Patients having settlement in other cities or towns . . . . .	56
Patients having no settlement (chargeable to state) . . . . .	82
Total number of patients sent to hospital . . . . .	221
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 . . . . .	1,982 72
	<hr/>
Total paid to the hospital . . . . .	\$6,982 72

**Table No. 5.**  
**POPULATION AND GROSS EXPENDITURES, 1883 TO 1910, 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

\*Census.



Table No. 6.

## EXPENDITURES, IN DETAIL, FOR THE YEAR 1910.

1910.	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 . .	\$16.83	\$47.65	\$520.25	\$632.67	\$5.50	. . .	\$40.00	\$316.66	\$112.36	\$6.00	\$16.20	\$9.96	\$3.60	. . .	. . .	\$15.72	. . .	\$1,743.40
February . .	19.45	44.00	410.00	121.35	. . .	. . .	30.00	316.66	68.00	8.00	11.30	10.16	8.50	. . .	\$45.66	. . .	. . .	1,093.08
March . . .	22.00	47.65	352.00	123.25	. . .	. . .	. . .	316.66	88.48	. . .	17.91	10.26	. . .	. . .	. . .	15.00	\$73.71	1,066.92
April . . . .	40.13	46.44	429.00	44.79	6.75	. . .	10.00	316.66	3.40	6.00	7.85	10.16	2.00	\$533.32	. . .	21.85	. . .	1,478.35
May . . . . .	11.57	47.65	391.00	220.75	. . .	. . .	10.00	316.66	. . .	6.00	17.50	10.16	2.00	133.33	142.92	31.00	. . .	1,340.54
June . . . . .	7.50	49.87	260.50	63.00	. . .	. . .	25.00	316.66	. . .	3.25	17.01	10.26	. . .	133.33	. . .	22.25	. . .	908.63
July . . . . .	21.86	54.29	382.50	369.45	6.00	. . .	60.00	316.66	. . .	. . .	13.75	10.16	13.75	133.33	. . .	. . .	. . .	1,381.75
August . . .	34.35	54.29	353.00	323.21	3.50	\$2.00	40.00	325.99	. . .	. . .	9.15	14.66	20.85	133.33	89.15	56.30	. . .	1,459.78
September . .	. . .	57.16	282.50	224.61	. . .	. . .	. . .	350.66	. . .	. . .	6.60	. . .	. . .	133.33	. . .	10.00	. . .	1,071.85
October . . .	16.40	100.98	305.00	200.68	. . .	. . .	. . .	351.33	. . .	2.00	34.14	18.43	5.00	133.33	. . .	. . .	. . .	1,167.29
November . .	5.30	59.30	349.00	16.00	. . .	. . .	35.00	323.33	133.97	4.70	6.10	10.41	36.40	133.33	6.40	. . .	. . .	1,119.24
December . .	. . .	52.08	160.50	711.17	. . .	2.00	42.00	352.74	63.59	.75	4.85	. . .	. . .	516.09	10.85	49.25	313.72	2,279.59
Totals . . .	\$195.39	\$661.36	\$4,195.25	\$3,050.93	\$21.75	\$4.00	\$292.00	\$3,920.67	\$469.80	\$36.70	\$162.36	\$121.61	\$92.10	\$1,982.72	\$294.98	\$221.37	\$387.43	\$16,110.42

**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 . . . . .	3,881 46	
	<hr/>	
Total receipts . . . . .		\$16,381 46
Total expenditures . . . . .		16,110 42
		<hr/>
Balance . . . . .		\$271 04
Net expenditures . . . . .		\$12,228 96

## REPORT OF WARDEN OF CITY HOME.

City Home, January 1, 1911.

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, 1910:—

**Table No. 1.**

**REIMBURSEMENTS.**

Produce and pork sold . . . . .	\$1,312 65	
Board of sundry persons . . . . .	927 00	
		\$5,239 65

**Table No. 2.**

**LIVING EXPENSES.**

Salaries and wages . . . . .	\$2,790 03	
Groceries and provisions . . . . .	2,250 13	
Dry goods . . . . .	208 82	
Boots and shoes . . . . .	73 55	
Hay and grain . . . . .	698 81	
Seed and fertilizer . . . . .	101 19	
House furnishings . . . . .	13 85	
Kitchen furnishings . . . . .	48 53	
Sundries . . . . .	221 70	
Farm sundries . . . . .	406 98	
Cash paid by warden, car fares for warden, inmates, and laborers . . . . .	83 65	
Medicine . . . . .	70 67	
Shoeing horses . . . . .	41 00	
Repairs on wagons and tools . . . . .	20 95	
Repairs on sash . . . . .	9 32	
Telephone . . . . .	46 98	
General repairs . . . . .	22 61	
Swill and bedding . . . . .	358 55	
New tools . . . . .	62 50	
Live stock . . . . .	60 00	
Ice . . . . .	31 40	
		\$7,621 22
Credits:—		
Produce and pork . . . . .	\$1,312 65	
Board of sundry persons . . . . .	927 00	
		5,239 65
Net living expenses . . . . .		\$2,381 57

**Table No. 3.**

Number of weeks' board of inmates . . . . .	1,399 4-7
Number of males admitted during 1910 . . . . .	20
Number of females admitted during 1910 . . . . .	6
Number of males discharged during 1910 . . . . .	6
Number of females discharged during 1910 . . . . .	6
Number of males supported during 1910 . . . . .	34
Number of females supported during 1910 . . . . .	16
Number of males died during 1910 . . . . .	6
Number of females died during 1910 . . . . .	4
Number of inmates in home December 31, 1910 . . . . .	31

**Table No. 4.****FARM ACCOUNT.****REIMBURSEMENTS.**

Produce and pork sold . . . . .	\$4,312 65	
Produce used at city home . . . . .	350 00	
	<hr/>	\$4,662 65

**EXPENSES.**

Wages for help . . . . .	\$1,131 40	
Feed for one horse . . . . .	116 22	
Shoeing one horse . . . . .	13 67	
Repairs on wagons and tools . . . . .	20 95	
Repairs on sash . . . . .	9 32	
Swill and bedding . . . . .	358 55	
Farm sundries . . . . .	406 98	
Seed and fertilizers . . . . .	101 19	
Live stock . . . . .	60 00	
New tools . . . . .	62 50	
	<hr/>	\$2,280 78
Balance . . . . .		<hr/> \$2,381 87

**Table No. 5.****PERMANENT REPAIRS AND FIXTURES.**

Removing and rebuilding:—		
Pig yards . . . . .	\$32 41	
Hot-bed fence . . . . .	20 24	
Extending water pipe in shed . . . . .	9 65	
Drain pipe . . . . .	3 60	
Painting walls . . . . .	8 77	
	<hr/>	\$74 67
Living expenses . . . . .		7,621 22
Total expenditures . . . . .		<hr/> \$7,695 89

**Table No. 6.**

Appropriation . . . . .	\$3,000 00
Reimbursements . . . . .	5,239 65
Net expenditures . . . . .	2,456 24
	<hr/>
Total receipts . . . . .	\$8,239 65
Total expenditures . . . . .	7,695 89
	<hr/>
Balance . . . . .	\$543 76

Respectfully submitted,

J. FOSTER COLQUHOUN,

Warden.

## REPORT OF THE CITY PHYSICIAN.

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OFFICE OF THE CITY PHYSICIAN,  
Somerville, January 1, 1911.

To His Honor, the Mayor, and the Board of Aldermen:—

Gentlemen,—The work of your city physician during the year 1910 is summarized in the abstract presented below:—

Office consultations and treatments . . . . .	666
Total outside visits . . . . .	1,002
Confinements . . . . .	10
Vaccinations . . . . .	113
Visits at city home . . . . .	43
Attended at police station . . . . .	28
Examinations:—	
For legal department . . . . .	5
For highway department . . . . .	15
For police department . . . . .	2
For fire department . . . . .	6

Respectfully submitted,

C. CLARKE TOWLE,

City Physician.



## REPORT OF THE CITY ENGINEER.

OFFICE OF THE CITY ENGINEER, )  
CITY HALL, SOMERVILLE, January 25, 1911. }

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, 1910, 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.

#### Statement of Expenses, 1910.

Salary of City Engineer . . . . .	\$3,000 00	
Salaries of assistants (see itemized statement following) . . . . .	7,234 25	
Stakes, tools, and general supplies (outside work) . . . . .	152 77	
Draughting materials and office supplies (inside work) . . . . .	206 52	
Car fares . . . . .	188 25	
Maintenance of automobile . . . . .	342 29	
Setting stone bounds . . . . .	372 66	
Telephone, postage, expressing, and incidentals . . . . .	138 19	
Total debit . . . . .		\$11,634 93
	CREDIT.	
Appropriation . . . . .	\$11,500 00	
Amount received for making acceptance plans . . . . .	55 00	
Amount received from other departments, services rendered . . . . .	80 00	
Total credit . . . . .		\$11,635 00
Balance unexpended . . . . .		\$ 07

#### Classification of Expenses, Assistants' Salaries.

Sewers,—comprising surveys, estimates, profiles, lines, grades, titles, plans, assessments, and all engineering work relating to sewers . . . . .		\$1,157 11
Highways,—comprising plans, estimates, titles, profiles, lines and grades, inspection of paving, and all other engineering relating to the department . . . . .		898 84
Sidewalks,—comprising profiles, lines, grades, measurements, titles, costs, and assessments . . . . .		793 16
Bridges and Grade Crossings,—comprising surveys, plans, profiles, estimates, lines and grades, etc. . . . .		218 31

Water Works,—comprising lines, grades, locations of mains, gates, hydrants and services, and other matters relating to the department . . . . .	576 88
Public Grounds and Parks,—comprising surveys, plans, estimates, profiles and grades, including laying out of parks and grounds and boulevards . . . . .	167 01
Public Buildings,—comprising surveys, estimates, lines and grades, and other work relating to construction . . . . .	36 79
Street Numbering,—comprising locations of buildings, plans, and affixing street numbers on houses . . . . .	208 43
Street Lines and Grades,—comprising establishing of lines, grades, and miscellaneous data given parties for building and grading . . . . .	210 18
City Survey,—comprising establishing of street lines, acceptance plans, and miscellaneous survey work for city map, etc. . . . .	1,073 88
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 . . . . .	186 71
Railway, Telephone, Electric Light, and Gas Light Companies,—comprising grades, plans, profiles, and office notes, locations of poles and conduits . . . . .	63 18
Stone Bounds,—locating and setting . . . . .	118 65
Office Work,—comprising records of all locations, indexing, typewriting, calculations, and general draughting . . . . .	830 88
Miscellaneous Work,—comprising preliminary surveys, designs, sketches, etc., relating to various schemes for different committees . . . . .	79 95
Vacations, Holidays, and Sickness . . . . .	614 29
Total . . . . .	<hr/> \$7,234 25

#### Office Records and Value of Instruments.

Number of survey note-books, sewer permit books, deed books, calculation books, and record books,—three hundred and twenty-five.

Number of plans, including sewers, highways, parks, house lots, etc.,—six thousand four hundred.

Value of field instruments, tools, and office instruments,— \$2,500

The number of assistants employed during the year on engineering work varied from seven to ten.

**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 Engineering department has made plans and established grades for the acceptance, under the betterment act, of six new public streets, a total length of 3,623 feet.

Two 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 eleven 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 1910.**

Bromfield road, west side, at north side Warner street (brass bolt set in concrete).

Chestnut street, north side, at east side Poplar street.

Dimick street, east side, at north side Concord avenue.

Francis street, north side, at west side Porter street.

Francis street, north side, at east side Conwell avenue.

Fremont avenue, north side, at east side Bowdoin street.

Fremont avenue, north side, at west side Parker street.

Grant street, west side, at north side Jaques street.

Grant street, west side, at south side Mystic avenue (X 2' offset lines).

Hamlet street, east side, at south side Highland avenue.

Hamlet street, west side, at angle near Boston street.

Hamlet street, west side, at north side Boston street.

Kidder avenue, south side, at west side Willow avenue.

Kidder avenue, south side, at east side Liberty avenue.

Linden street, east side, at south side Somerville avenue.

Lovell street, west side, at north side Broadway.

Lovell street, west side, at south side Electric avenue.

Lowell street, east side, at angle northeast corner Vernon street.

Lowell street, east side, at angle south side Albion street.

Mallet street, south side, at west side Willow avenue.

Mallet street, south side, at east side Liberty avenue.

Marion street, north side, at angle near Wyatt street.

Marion street, north side, at east side Dimick street.

Merriam street, east side, at south side Somerville avenue.

Parker street, west side, at south side Washington street.

Pearson avenue, east side, at north side Morrison avenue.

Pearson avenue, west side, at south side Boston avenue.

Thorpe street, east side, at south side Highland avenue.

Vernon street, north side, at east side Glenwood road.

Vernon street, south side, at angle opposite Glenwood road.

Vernon street, north side, at east side Partridge avenue.

Vernon street, south side, at angle opposite Partridge avenue.

West street, west side, at south side Highland avenue.

West street, west side, at north side Hawthorne street.

Wheatland street, east side, at north side Jaques street.

Wheatland street, east side, at south side Mystic avenue.

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 1908 report a list of bounds set during the year. There are at the present time 560 stone bounds set in the city for defining street lines.

The total length of public streets in the city is 75.864 miles, and private streets 20.357 miles. (See table in this report for location, width, length, etc.)

### Streets Accepted as Public Highways in 1910, under the Betterment Act.

NAME OF STREET.	WARD.	FROM	To	Width in Feet.	Length in Feet.	Date of Acceptance.
Fairmount ave. . . . .	7	Curtis st. . . . .	Northwesterly . . . . .	40	679	Dec. 23
Hill st. . . . .	7	Broadway . . . . .	Fairmount ave. . . . .	40	284	Dec. 23
*Lawrence st. . . . .	5	Richardson st. . . . .	B. & M. R. R. . . . .	35	502	Dec. 23
Paulina st. . . . .	7	Holland st. . . . .	Broadway . . . . .	40	769	Dec. 23
Victoria st. . . . .	7	Broadway . . . . .	Waterhouse st. . . . .	40	1,036	Dec. 23
†West st. . . . .	5	Broadway . . . . .	Heath st. . . . .	30	353	Dec. 23
Total . . . . .	..	. . . . .	(0.686 miles)	..	3,623	. . . . .

\* Lawrence street, name changed to Hinckley street December 30, 1910.

† West street, name changed to Langmaid avenue December 30, 1910.

### Length of Public Streets in Each Ward.

	Miles.
Ward one . . . . .	9.494
Ward two . . . . .	8.533
Ward three . . . . .	7.479
Ward four . . . . .	9.390
Ward five . . . . .	11.535
Ward six . . . . .	12.447
Ward seven . . . . .	16.986

Total length of public streets in the city, 75.864

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.

Somerville avenue between the East Cambridge line and Medford street (except the new bridge approaches), a length of 843 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 re-laid by the company, at their expense, with a similar pavement.

This pavement was laid by contract at the following cost:—

Simpson Brothers Corporation, Boston:—

Laying 4,137 square yards granite block paving, concrete base . . . . .	\$12,245 52	
Extra work grouting old pavement . . . . .	5 00	
		<hr/>
Cost of work done by contract . . . . .		\$12,250 52
City,—re-setting edgestone and re-laying brick sidewalk, and catch basin changes, etc. . . . .		1,279 06
		<hr/>
Total cost of work . . . . .		\$13,529 53

CREDIT.

By old granite gutter paving . . . . .	\$477 50	
		<hr/>
Net cost of pavement to city . . . . .		\$13,052 08

Average cost, \$3.15 per square yard for cement-grouted granite block pavement laid on concrete base, including all incidental work.

Somerville avenue between Lowell street and Elm street, a length of 799 feet, has been paved with granite blocks, grouted with crushed stone and pitch, the work being done by the Highway department, day labor. The street railway tracks were re-laid by the company at their expense.

City, Highway Department (day labor):—

Laying 4,077 square yards granite block pavement:—

Labor, teaming, rolling . . . . .	\$4,649 68
Paving blocks (94,900) . . . . .	6,395 12
Pitch used (53.9 tons) . . . . .	793 26
Crush stone used (262 tons) . . . . .	287 83
Changing catch basins, manholes, etc. . . . .	97 00
Re-setting edgestone, re-laying sidewalks, crossings, etc. . . . .	628 16
	<hr/>

Total cost of work . . . . . \$12,851 05

CREDIT.

By old gutter paving . . . . .	\$282 40	
		<hr/>
Net cost of pavement to city . . . . .		\$12,568 65

Average cost, \$3.08 per square yard for pitch grouted granite block pavement.

The total length of permanent paved streets in the city amounts to 8.98 miles.

The policy recently adopted of permanently constructing

the city's main thoroughfares in preference to side streets has commenced to show good results. Within the past few years a line of roadway that can be used by automobiles, carriages, and other vehicles has been completed practically through the centre of the city, commencing at the East Cambridge line and extending on Somerville avenue, Medford street, Highland avenue, College avenue, and Powder House boulevard to West Medford, connecting on the south the new Charles river dam and roadways with the Mystic Valley parkway and thoroughfares on the north.

By the completion of Somerville avenue granite block paving, the city has a through street for heavy traffic on the south-westerly side ; and on the northeasterly side of the city, Mystic avenue, recently constructed by the state, with the newly-completed bridge over the Boston & Maine railroad tracks connecting with Charlestown and Boston, provides a similar thoroughfare.

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, and Beacon streets, the city will have main thoroughfares that will compare favorably with any city in the state.

Seven new streets have been constructed during the year, with a "tarviated" trap-rock surface, a length of 4,830 feet (0.92 mile), costing \$9,144.39, where betterment assessments have been levied on the abutting property amounting to \$6,141.70 ; the average cost of this construction being \$0.82 per square yard.

Seven streets have been constructed, "tarvia" being used as a binder, a length of 5,265 feet (1 mile), where no assessments were levied.

Eleven streets have been re-macadamized or re-surfaced, a length of 6,630 feet (1.26 miles).

#### Table of Street Construction.

	Square Yds.	Miles.
*Streets paved with granite blocks . . . . .	93,465	3.67
Streets paved with Hassam pavement . . . . .	36,802	1.80
Streets paved with asphalt . . . . .	10,410	0.73
Streets paved with vitrified brick (Davis square) . . . . .	6,197	0.22
Streets paved with bitulithic . . . . .	14,689	0.88
Combination pavement (concrete base with bituminous top) . . . . .		1.68
Streets macadamized ("tarvia" bound) . . . . .		10.17
**Streets macadamized (water bound) . . . . .		55.61
Streets graveled or unimproved . . . . .		21.55
Total . . . . .		<u>96.31</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 1910.

STREET	Ward.	SIDE.	FROM	To.	WIDTH OF SIDEWALK IN FEET.	MATERIAL.				Total Cost.	PAVED GUTTERS.								
						Gravel and Edgestone. Lineal Feet.	BRICK. Lin. Feet.	Sq. Yards.	GRANOLITHIC. Lin. Feet.		Sq. Yards.	Sq. Yards.	Cost.						
Albion . . . . .	5	Southwesterly . .	Cedar street . . .	Lowell street . . .	6.67	1,339.3	.....	.....	.....	\$1,362.96	446.4	\$1,930.61							
Albion . . . . .	5	Northeasterly . .	Cedar street . . .	Lowell street . . .	6.67	1,341.9	.....	.....	.....	1,253.86	447.3								
Alpine . . . . .	5	Both . . . . .	Lowell street . . .	Westerly 288 feet .	6.67	575.6	.....	.....	.....	498.08	191.9	470.49							
Alpine . . . . .	5	Both . . . . .	End of above . . .	30 foot street . . .	6.67	805.8	.....	.....	.....	887.76	268.6	611.12							
Beech . . . . .	6	Northwesterly . .	Somerville avenue .	Northeasterly . . .	6.67	.....	70.8	49.4	.....	49.73	.....	.....							
Benton road . . . .	6	Southeasterly . .	Highland avenue . .	Westwood road . . .	6.67	.....	.....	.....	451.1	305.2	.....	.....							
Bradley . . . . .	4	Both . . . . .	Pearl street . . . .	Veazie street (where not laid)	6.67	.....	720.8	470.4	.....	581.03	.....	.....							
Broadway . . . . .	6	Southwesterly . .	Rogers avenue . .	Willow avenue . . .	11.00	Gran. 8.0, sod	.....	.....	326.9	352.8	.....	.....							
Broadway . . . . .						rem. width													
Broadway . . . . .	7	Southwesterly . .	Willow avenue . . .	Liberty ave. (where not laid)	11.00	Gran. 8.0, sod	.....	.....	409.0	375.3	.....	.....							
Broadway . . . . .						rem. width													
Bromfield road . . .	7	Both . . . . .	Warner street . . .	Dearborn road . . .	6.67	2,554.2	.....	.....	.....	2,303.69	851.4	1,843.55							
Bromfield road . . .	7	Both . . . . .	In front of estates near	Warner street . . .	6.67	.....	.....	.....	226.7	123.8	.....	.....							
Chestnut . . . . .	1	Both . . . . .	Poplar street . . .	Southeasterly . . .	6.67	1,058.3	.....	.....	.....	1,122.28	352.8	848.36							
Essex . . . . .	5	Southeasterly . .	Medford street . . .	Richdale avenue . .	6.67	.....	224.2	152.8	.....	161.49	.....	.....							
Francis . . . . .	6	Both . . . . .	Porter street . . .	Conwell street . . .	5.00	357.6	.....	.....	.....	345.69	119.2	324.52							
Glen . . . . .	1	Easterly . . . . .	Estate of Orville L. Story, No. 156	.....	6.67	.....	63.5	42.0	.....	45.24	.....	.....							
Grant . . . . .	4	Both . . . . .	Jaques street . . .	Mystic avenue . . .	6.67	1,585.4	.....	.....	.....	1,406.19	528.5	1,131.14							
Hamlet (extension)	3	Both . . . . .	End of old street . .	Boston street . . .	5.00	303.5	.....	.....	.....	359.80	101.2	332.69							
Highland avenue . .	6	Southwesterly . .	Conwell street . . .	Estate No. 274 . . .	10.00	.....	153.3	153.9	.....	211.30	.....	.....							
Highland avenue . .	6	Southwesterly . .	Eastman road . . .	Estate No. 284 . . .	10.00	.....	155.7	161.6	.....	194.37	.....	.....							
Jasper . . . . .	4	Easterly . . . . .	Pearl street . . . .	Gilman street . . .	6.67	.....	.....	.....	250.1	166.2	.....	.....							
Jay . . . . .	7	Southeasterly . .	Estate of Kate P. Marshall	.....	6.67	.....	.....	.....	111.2	74.9	.....	.....							
Kidder avenue . . .	7	Both . . . . .	Willow avenue . . .	Liberty avenue . . .	6.67	1,149.8	.....	.....	.....	83.85	.....	.....							
Lowell . . . . .	5	Both . . . . .	Albion street . . .	Vernon street . . .	6.67	1,308.9	.....	.....	.....	1,077.13	383.3	908.59							
Lowell . . . . .	5	Northwesterly . .	Highland avenue . .	Albion street . . .	6.67	.....	398.0	267.8	.....	1,268.31	436.3	857.08							
Lowell . . . . .	5	Easterly . . . . .	Medford street . . .	Vernon st. (where not laid)	6.67	.....	826.3	595.6	.....	310.36	.....	.....							
Marion . . . . .	2	Both . . . . .	Dimick street . . .	Near Wyatt street . .	6.67	751.6	.....	.....	.....	691.63	.....	.....							
Medford . . . . .	5	Northeasterly . .	Estate of Thomas Kilmarlin, Nos. 515½-517	.....	9.17	.....	53.5	51.3	.....	834.50	250.5	671.89							
Museum . . . . .	6	Northerly . . . .	Estate of Hettie C. Clark	.....	6.67	23.6	.....	.....	.....	57.65	.....	.....							
Mystic . . . . .	1	Easterly . . . . .	Benedict street . . .	Northerly . . . . .	6.67	.....	89.4	60.1	.....	27.44	7.8	10.05							
Oxford . . . . .	3	Southwesterly . .	School street . . .	Hersey street . . .	6.00	.....	675.1	409.0	.....	63.58	.....	.....							
Princeton . . . . .	5	Both . . . . .	Lowell street . . .	Westerly 166 feet . .	6.67	332.7	.....	.....	.....	478.57	.....	.....							
Richdale avenue . .	5	Northeasterly . .	School street . . .	Sycamore street . . .	6.67	.....	760.3	517.6	.....	346.99	110.9	235.75							
Summer . . . . .	6	Northeasterly . .	Willow avenue . . .	Hancock street . . .	7.50	.....	.....	.....	600.6	457.6	.....	.....							
Sycamore . . . . .	5	Northwesterly . .	Highland avenue . .	and including No. 22	6.00	.....	.....	.....	332.3	191.0	.....	.....							
Sycamore . . . . .	5	Northwesterly . .	Medford street . . .	Pembroke street . . .	6.67	.....	.....	.....	316.3	212.1	.....	.....							
Tennyson . . . . .	5	Easterly . . . . .	Medford street . . .	Pembroke street . . .	6.67	.....	398.8	278.6	.....	282.57	.....	.....							
Thorndike . . . . .	7	Both . . . . .	Holland street . . .	B. & L. R. R. . . .	6.67	.....	.....	.....	1,117.1	622.3	.....	.....							
Warner . . . . .	7	Southeasterly . .	Broadway . . . . .	Medford line (where not laid)	10.00	Gran. 7.0, sod	.....	.....	312.1	272.1	.....	.....							
Warner . . . . .						rem. width													
Willow avenue . . .	7	Northwesterly . .	Broadway . . . . .	Fosket street . . . .	8.33	Gran. 5.0, sod	.....	.....	1,206.5	724.2	.....	.....							
Total assessment, \$11,659.59.						Net cost to city, \$11,659.45.						13,825.4	4,589.7	3,215.1	5,659.9	3,877.5	\$23,319.04	4,608.5	\$10,402.31

Amount of edgestone and sidewalks, brick, granolithic and tar, in front of private estates . . . . . 4,869  
 Totals . . . Gravel sidewalks, 2,555 miles. Brick sidewalks, 0.869 miles. Granolithic sidewalks, 2,000 miles.





Lines and grades have been given for setting 13,825.4 linear feet (2.62 miles) of new edgestone, and 3,215.1 square yards (0.87 mile) of new brick sidewalks, and 3,877.5 square yards (1.07 miles) of granolithic sidewalks have been laid, and measurements taken for computing assessments; also on private streets 0.92 of a mile of granolithic sidewalks have been laid by private parties.

In connection with setting edgestone 4,608.5 square yards of new paved gutters have been laid, at an average cost of \$2.26 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 1910, 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 . . . . .	\$0.98 per linear foot,
Laying brick sidewalk, complete . . . . .	1.18 per square yard
Laying granolithic sidewalk, complete . . . . .	1.51 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 . . . . .	0.74 per linear foot
Bricks delivered at work . . . . .	13.50 per M.
Cement (Portland) on cars . . . . .	1.22 per barrel
Sand and gravel on cars . . . . .	0.67 per cubic yard
Crushed stone on cars . . . . .	\$1.09 and 1.10 per ton

In sections of the city where brick sidewalks have been laid many years and must necessarily be relaid 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 . . . . .	17.436	4.632	11.904	0.900
Ward two . . . . .	13.941	7.850	6.080	0.011
Ward three . . . . .	13.979	1.936	11.561	0.482
Ward four . . . . .	14.119	3.406	9.699	1.135
Ward five . . . . .	20.153	7.430	11.732	0.991
Ward six . . . . .	21.721	7.849	10.328	5.287
Ward seven . . . . .	22.196	10.541	7.981	5.074
Total miles in the city . . . . .	123.545	43.644	69.235	13.880

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 4,355 linear

feet of new city water mains, varying in size from six inches to twelve inches in diameter. One hundred and fifty new house services, twenty gates, nineteen hydrants, two water posts, and one blow-off 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 ; three 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 in the city's streets 13.4 miles of telephone conduits, 5.2 miles of electric light conduits, 0.8 mile electric railway conduits, and about four miles of underground conduits used for the city mains.

The Cambridge and Charlestown gas companies have extended their mains in the city's streets 2.4 miles the past year.

Two heavy explosions have occurred in the city's streets from underground conduits, owned by private corporations, during the past year. Luckily no great damage was caused. 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 Somerville avenue between the East Cambridge line and Medford street ; Broadway between Broadway parkway and Main street, and in Main street to Medford city line. In Mystic avenue, between Union street and the Charlestown line, the track laying has been completed connecting across the new bridge over the Boston & Maine railroad, to the Sullivan square terminal ; also new curves and special work have been laid at the junction of Broadway and Cross street.

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.** During the past year the two dead ends of Lowell street have been connected and the work completed, under an act of the legislature of 1909, whereby the city was authorized to construct bridges and approaches over the tracks of the Boston & Maine railroad (Southern division) at Lowell street, North Somerville.

The work of constructing the concrete abutments and retaining walls, bridge work, etc., within the railroad location was done by the railroad company, and the approaches, raising of buildings, grading, street construction, and all other work outside the railroad location was done by the city ; this work, completed, cost as follows :—

Filling and grading Lowell street, slopes, cellars, and yards, re-setting edgestones, etc.,—labor, \$4,637.25; teaming, \$919.78; materials, \$877.20	\$6,434 23
Raising eight buildings to new grades,—labor, \$490; masonry work, \$3,131.12; carpenter and painting work, \$842.62; plumbing and heating work, \$864.24; lumber, \$819.03	6,153 01
Sewer changes, \$436.58; water pipe changes, \$699.99	1,136 57
Advertising, \$13; photographs, \$16.50; inspection and engineering, \$125	154 50
	<hr/>
Amount expended by city (1909-1910)	\$13,878 31
Amount expended by railroad company for constructing concrete abutments, retaining walls, bridge work, etc.	18,664 51
	<hr/>
Total cost of completed work	\$32,542 82

The Boston & Maine Railroad Company paid \$15,000 of the total cost and the city the remainder, \$17,542.82.

The obtaining of this much-desired improvement and important crossing over the railroad at this location will be of great benefit to the city in many ways.

### Grade Crossings Account.

#### STATEMENT OF EXPENSES, 1910.

Account overdrawn, 1909 . . . . .	\$9,376 54	
Extra legal services (City Solicitor) . . . . .	1,633 53	
Paid various parties for appraisal of property and damages . . . . .	998 00	
Paid Boston & Maine Railroad Company by decree of court . . . . .	8,615 84	
Paid for damages, land and buildings taken, Photographs . . . . .	59,460 30	
	16 50	
	<hr/>	\$80,100 71
CREDIT.		
Received from City Solicitor, part counsel fees . . . . .	\$30 00	
Received from Commonwealth of Massachusetts, apportionment of damages, decree of court . . . . .	25,762 69	
Received from Boston Elevated Railway, decree of court . . . . .	2,692 31	
Received from Boston & Maine Railroad Company, decree of auditor . . . . .	17,855 55	
	<hr/>	\$46,340 55
Overdrawn, 1910 . . . . .		<hr/> \$33,760 16

The work of abolishing grade crossings on the Fitchburg division of the Boston & Maine railroad in Somerville is progressing ; the Somerville avenue crossing having been completed the past year and considerable construction work has been done at the Webster avenue crossing, and the coming year will probably see its completion. A new station for Union square is included in the plan of alteration, and a separate bridge is to be constructed over the Fitchburg railroad tracks, east of the street, for carrying the state and city water mains.

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, when 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.

TABULAR STATEMENT OF SEWERS BUILT IN 1910.

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.	Main Sewer.	Sub-drain.	Price, including Sub-drain where laid.	Inspection.	Miscellaneous.	Lumber.	Resurfacing Streets, Repaving Sidewalks, etc.				Average cost per lineal foot.		
*Clarendon avenue . . . . .	Cambridge city line . . . . .	Northeasterly . . . . .	Day labor . . . . .	Hardpan and rock . . . . .	8.9	8	350.0	.....	.....	.....	.....	2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	\$915.86	uncompleted	\$915.86			
Columbia street . . . . .	Angle in street . . . . .	Near Webster avenue . . . . .	Day labor . . . . .	Filling and clay . . . . .	8.5	30	158.0	6	150	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	688.18	uncompleted	688.18			
Electric avenue . . . . .	Packard avenue . . . . .	Mason street . . . . .	T. F. Crimmings & Son	Hardpan and rock . . . . .	6.8	8	626.9	.....	.....	231.5	\$2.50	3	\$37.21	47	\$0.37	.....	\$0.26	\$0.10	.....	.....	.....	.....	\$1.83	1,145.37	\$1,145.05	0.32		
*Hardan road . . . . .	Powder House boulevard	Southwesterly . . . . .	Bartholomew Burke	Hardpan . . . . .	6.5	8	166.5	.....	.....	3.2	3.50	1	36.09	6	0.36	.....	0.20	0.07	\$0.01	.....	.....	.....	0.93	154.11	154.06	0.05		
Mason street . . . . .	Broadway . . . . .	Whitman street . . . . .	Bartholomew Burke	Sand . . . . .	7.3	10	192.5	.....	.....	.....	.....	1	37.57	11	0.46	.....	0.25	0.06	0.01	.....	.....	.....	1.16	527.61	527.61	.....		
Mason street . . . . .	Whitman street . . . . .	Near Ossipee road . . . . .	Bartholomew Burke	Sand, hardpan and rock	6.8	8	261.4	.....	.....	40.0	2.70	1	37.57	18	0.43	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....		
Middlesex ave. (w'ly side) (s'm dr'n)	Garfield avenue . . . . .	Near Mystic avenue . . . . .	Day labor . . . . .	Filling and clay . . . . .	4.2	10	498.0	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....		
*Somerville ave. (southwesterly side)	Union square . . . . .	Sewer 1900, op. Lanrel st.	Charles A. Kelley	Sand and rock . . . . .	12.8	12	2534.2	.....	.....	32.5	2.75	10	51.91	81	1.47	.....	0.42	0.09	.....	.....	.....	.....	\$1.08	\$0.33	3.63	9,205.21	.....	9,205.21
Whitman street . . . . .	Mason street . . . . .	Near Packard avenue . . . . .	T. F. Crimmings & Son	Hardpan and rock . . . . .	7.3	8	569.6	.....	.....	26.0	2.50	2	37.50	44	0.37	.....	0.21	0.06	.....	.....	.....	.....	0.88	504.19	504.19	.....		
Total length and cost of new sewers and drains built in 1910,					5,357.1 (1.015 miles.)														\$15,538.11	\$2,331.11	\$13,207.00							

\* Separate system sewers.  
 † Damages paid.

Total length of public sewers in the city, January 1, 1911 . . . . . 464,848.2 feet.  
 Total length of private sewers in the city, January 1, 1911 . . . . . 34,748.0 feet.  
 Total length of sewers in the city, January 1, 1911 . . . . . 499,596.2 feet, = 94.620 miles. (26.368 miles separate svstem)  
 Total length of storm drains in the city, January 1, 1911 . . . . . 35,163.3 feet, = 6.600 miles.  
 Total length of the city drainage system, January 1, 1911 . . . . . 101.280 miles.  
 Total length of Met. sewerage system mains running through the city . . . . . 3.368 miles.



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.

**Perambulation of City Boundary Lines.** In December, 1910, representatives appointed from the city of Somerville and city of Cambridge examined the bounds defining the division line between these two cities ; and also met representatives from the town of Arlington and performed a like duty on the boundary line between Somerville and Arlington, and reported their findings in due form to the board of aldermen.

These boundary lines are perambulated every five years as prescribed by the statutes. On account of the state making improvements along Alewife brook and changing and straightening the channel, the old brook having been the division line between Somerville and Arlington, it required an act of the Legislature, passed March 16, 1910, (Chapter 221), establishing a new boundary line between the city of Somerville and town of Arlington, described as follows : "Beginning at an unmarked point in the boundary line between the city of Somerville and the city of Cambridge, at the centre of Alewife brook, as recently located by the Metropolitan park commission, under the provisions of Chapter 529 of the acts of the year 1907, thence extending in a northerly direction following the centre line of said brook, as recently located as aforesaid, to an unmarked point at the junction of the centre line of said brook and the centre line of Mystic river, as recently located by said commission."

This change of boundary line increases Somerville's area 3.5 acres, 0.7 of an acre being water.

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, 1910.

Constructing "separate system" sewers (assessments levied) petitioned for . . . . .	\$1,069 97
Constructing "separate system" sewers (no assessments) . . . . .	9,205 21
Constructing "combined system" sewers (assessments levied) petitioned for . . . . .	2,177 37
Constructing "combined system" sewer (no assessment) . . . . .	688 18
Constructing storm drains . . . . .	2,397 38
	<hr/>
Amount carried forward . . . . .	\$15,538 11

Amount brought forward . . . . .	\$15,538 11	
Constructing forty catch basins, street drainage . . . . .	2,183 94	
New drainage and alterations, Somerville avenue, Congress place, on account Grade Crossing work . . . . .	395 18	
Labor and materials furnished sundry parties . . . . .	283 22	
Sewer assessment of 1909 abated . . . . .	53 42	
Final payments on contracts, sewers constructed in 1909 . . . . .	622 80	
Sundry expenses, books and printing . . . . .	21 50	
Materials on hand December, 1910 . . . . .	679 53	
	<hr/>	
Total expenditure . . . . .	\$19,777 70	
Transferred to Electrical department (underground construction) . . . . .	3,400 00	
Transferred to Public Grounds construction . . . . .	1,200 00	
Transferred to Highway department (sidewalks construction) . . . . .	2,000 00	
Transferred to Highway department (paved gutters, etc.) . . . . .	1,726 12	
Transferred for purchasing additional school land . . . . .	8,992 00	
Transferred to Public Buildings construction (park buildings) . . . . .	4,500 00	
	<hr/>	
Total debit . . . . .		\$41,605 82
CREDIT.		
Balance unexpended December 31, 1909 . . . . .	\$13,766 01	
Appropriation, 1910 . . . . .	30,000 00	
Transferred from Fire department (additional apparatus) . . . . .	101 18	
Assessments levied, sewers constructed, 1910 . . . . .	2,331 11	
Amounts received from other departments and companies . . . . .	419 30	
Materials on hand December 31, 1909 . . . . .	274 16	
	<hr/>	
Total credit . . . . .		\$46,887 76
		<hr/>
Balance unexpended . . . . .		\$5,281 94

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),	73% discount from list price, on cars
Pipe fittings . . . . .	75% discount from list price, on cars
Portland cement, per barrel . . . . .	\$1.22 on cars
Sand, per cubic yard . . . . .	0.67 on cars
Sewer bricks, per M. . . . .	7.20 at yard
Iron manhole and catch basin castings, per hundred weight, . . . . .	1.40 at foundry
Catch basin traps, each . . . . .	1.84 at foundry



A number of sewers have been constructed as petitioned for in various sections of the city, or as considered necessary for 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 :—

Clarendon avenue,—Cambridge city line, northeasterly.

Hardan road,—Powder House boulevard, southwest-erly.

Somerville avenue,—(southwest side) Union square to opposite Laurel street.

"Combined system" sewers in :—

Columbia street,—angle in street to near Webster ave-nue.

Electric avenue,—Packard avenue to Mason street.

Mason street,—Broadway to near Ossipee road.

Whitman street,—Mason street to near Packard ave-nue.

Storm drain in :—

Middlesex avenue,—(west side) Garfield avenue to near Mystic avenue.

**Summary of Work.** Eight new sewers and drains have been constructed during the year, a total length of 5,357.1 linear feet (1.014 miles) at a cost of \$15,538.11 ; plans have been made showing these sewers in detail, and assessments levied on a portion of them, amounting to \$2,331.11. (See tabular state-ment of sewers and drains for 1910, showing itemized statement of work and cost.)

The total length of the city's drainage system is 101.28 miles, 26.368 miles being on the "separate system" and 6.66 miles of storm drains, and the entire cost of construction has amounted to about \$12,512.63, exclusive of the amount paid to the state for assessments for the construction of the North Metropolitan sewerage system.

Forty new catch basins have been constructed in the highways during the year, at an average cost of \$54.60 per basin, and eight removed, making a total of 1,597 basins in the city for street drainage purposes, constructed and maintained as follows :—

By the city (sewer department):—

Located in streets and subways . . . . .	1,544 basins
Located in city boulevard . . . . .	29 "
Located in parks (12), other city lots (12) . . . . .	24 "
	<hr/>
Total catch basins constructed and maintained by city . . . . .	1,597
By Boston & Maine Railroad Company on railroad locations . . . . .	29 basins
By state, located in boulevards . . . . .	52 "
	<hr/>
	81

Total catch basins in city for storm drainage purposes . . . . . 1,678

**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 1910, completely closed 382 hours, partly closed 190 hours.

In previous years the following :—

Year 1909, completely closed 459 hours, partly closed 683 hours.
" 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 \$40,462.20 on construction account and \$20,689.01 for maintenance, and the total amount paid the commonwealth of Massachusetts for this state sewer has been \$757,540.84 (1892-1910, 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 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, 1910.

Maintenance of sewers, including cleaning and flushing (101.3 miles) . . . . .	\$2,894 91	
Maintenance of catch basins, cleaning and flushing (1,597) . . . . .	7,043 39	
Changing line and grade and repairing catch basins . . . . .	403 46	
Changing line and grade and repairing manholes . . . . .	266 82	
Repairing old sewers . . . . .	354 23	
Inspection and location of house drains . . . . .	295 13	
New tools and supplies . . . . .	144 90	
Repairs of tools and property . . . . .	82 80	
Sundry expenses, car fares, telephone, books, etc. . . . .	101 26	
Maintenance of sewer department yards and buildings . . . . .	458 59	
Work and materials furnished other departments and companies . . . . .	493 36	
Total debit . . . . .		\$12,538 65

CREDIT.	
Appropriation . . . . .	\$12,000 00
Amounts received from other departments and companies,—labor, materials fur- nished . . . . .	493 36
Received from old hose, old iron, etc. . . . .	66 55
	\$12,559 91
Total credit . . . . .	\$12,559 91
Balance unexpended . . . . .	\$21 26
Value of tools and property on hand used in maintenance of sewers . . . . .	\$733 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 6,150 cubic yards of deposit have been removed from the catch basins and sewers during the year, at an average cost of \$1.14 per cubic yard, and the average cost per mile for cleaning and flushing the drainage system, including catch basins, has amounted to \$98.13.

Sixty catch basins and fifty-three 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.

Two hundred and eighty-five permits have been issued to licensed drain layers for connecting buildings with the main sewers, forty-seven 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 14,352 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 \$493.36.

### PUBLIC GROUNDS AND PARKS.

At the present time there are twenty separate parcels of land located in all parts of Somerville, used for parks and playgrounds, amounting to 67.9 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

**Following Is a Compiled Table of the City's Parks and Playgrounds, Etc., Used in 1910, for the Apportionment of Expenses of the Metropolitan Park District.**

NAME AND LOCATION OF PROPERTY.	AREA IN ACRES.	YEAR ACQUIRED.	ORIGINAL COST OF LAND.	FIRST COST OF CONSTRUCTION.	ADDITIONAL COST OF CONSTRUCTION AND IMPROVEMENTS (various years).	PRESENT VALUATION, 1910. (Assessors' Records.)
Broadway Park—Ward 4 . . . . .	15.85	1874—1875	\$126,854.63	\$86,138.57	\$5,928.98	\$350,000.00
Central Hill Park—Ward 4 . . . . .	13.10	{ 1893 (0.5 acre) remainder 1851—1869	111,109.00	31,624.70	37,190.09	350,000.00
Prospect Hill Park—Ward 3 . . . . .	2.62	1898—1902	48,964.91	(tower) 8,103.03	244.03	76,600.00
Lincoln Park—Ward 2 . . . . .	8.26	1895—1897	37,592.92	21,794.74	2,151.09	64,300.00
Tufts Park—Ward 7 . . . . .	4.54	1892	(1.54 acres do- nated.) 19,424.55	16,467.18		
Paul Revere Park—Ward 5 . . . . .	0.04	1901	1,259.70	33,478.51	63.94	900.00
Belmont Street Park—Ward 6 . . . . .	0.39	1889	4,015.40	} Originally high services water tower lot	260.61	5,100.00
Broadway Athletic Field—Ward 7 . . . . .	{ 4.40 (Leased)	1901	{ Leased to City for 10 years		5,779.95	9,500.00
New Recreation Field, Boulevard—Ward 7 . . . . .	4.65	1891	4,000.00	{ Originally City's gravel pit	1,895.86	4,100.00
Playground, Broadway, corner Cedar Street—Ward 5	4.25	{ Previous to 1872	.....	{ Originally City Farm lot	3,331.58	25,500.00
Playground, Somerville Ave., cor. Kent St.—Ward 6	0.75	{ Originally schoolhouse lot 1850	.....	.....	437.61	12,000.00
Playground, Poplar Street, corner Joy Street—Ward 1	0.47	{ Originally schoolhouse lot 1869	.....	.....	265.97	5,000.00
Playground, Broadway, corner Mason St.—Ward 7	0.25	{ Originally schoolhouse lot 1843	100.00	.....	.....	2,700.00
Playground, Beacon St., near Washing't'n St.—Ward 2	0.22	{ Originally schoolhouse lot 1848	750.00	.....	159.64	2,900.00
Playground, Webster Ave., near Camb. line—Ward 2	0.25	{ Originally schoolhouse lot 1868	1,878.50	.....	100.00	3,000.00
Playground, Glen St., corner Oliver Street—Ward 1	{ 1.5 (Leased) 0.92 (own)	1877	11,252.00	{ Originally Highway Dept. lot	471.21	15,000.00
Playground, Fellsway East—Ward 4 . . . . .	{ 2.50 (Leased)	.....	.....	.....	100.25	.....
Broadway Parkway—Ward 1-4 . . . . .	2.00	{ Part of high- way made parkway 1892—1908	.....	6,735.00	.....	.....
Powder House Parkway—Ward 7 . . . . .	0.24	{ Part of high- way made parkway 1908	.....	.....	95.00	.....
Somerville Avenue Cemetery—Ward 2 . . . . .	0.71	{ Act of Legis- lature 1893 Maintained by City	.....	.....	1,444.08	.....
Powder House Boulevard—Ward 7 (length 1 1/2 miles)	12.60	1899—1901	1,389.52 (.02 acres.) Remainder do- nated	36,177.05	.....	22,500.00
	80.51		\$368,591.13	\$246,298.73	\$54,139.94	\$1,019,100.00



street, 1.5 acres ; the Broadway athletic field in West Somerville, 4.4 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 seven baseball fields 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, etc., 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, in comparison with other cities, is one of the best, 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.

On Broadway and Lincoln parks, field houses have been constructed of concrete with red-tiled roofs ; are heated, lighted, and equipped with toilet rooms, etc., and on several of the playfields similar buildings should be erected in place of some of the old wooden structures.

A small area in Powder House square has been laid out and improved by planting trees, shrubs, and foliage plants ; also a new flag-pole has been erected in Broadway park.

"Tarvia" has been applied on the macadam surface the entire length of Powder House boulevard, where the roadway had been badly worn, caused by the large amount of automobile travel, and is now in excellent condition.

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.

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.

The Playgrounds Association has continued its good work in the city, and funds contributed by citizens and a sum of \$1,050, set aside by the city from the public grounds appropriation for the special equipment of grounds and supervision of playfields, have 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 summer months. Many chil-

dren 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. 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.

Probably better results, in this city, could be obtained by placing the outdoor summer schools for children under the school department and 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.

Considering the popularity and general feeling of the public in regard to athletics and outdoor exercise in general, as shown in our own city in the last ten years' time, the question arises of the city's having at least one large permanently-located field for such a purpose. The best and only enclosed field at present in the city is maintained on leased land (the lease expires July 1, 1911,) and some immediate action will be necessary in the line of construction if the city is to have such a field.

A plan has been made recently showing the lay-out of a new proposed field located in the northwesterly section of the city bordered by Alewife brook and the Powder House boulevard, including an area of about sixteen acres, and negotiations are pending with the Metropolitan park commission whereby this entire area may be transferred to the city, permanently, for recreation purposes; already about five acres have been acquired and graded.

This proposed field, when completed, would be the finest recreation ground 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., and could be constructed in a term of years as the city's finances would allow.

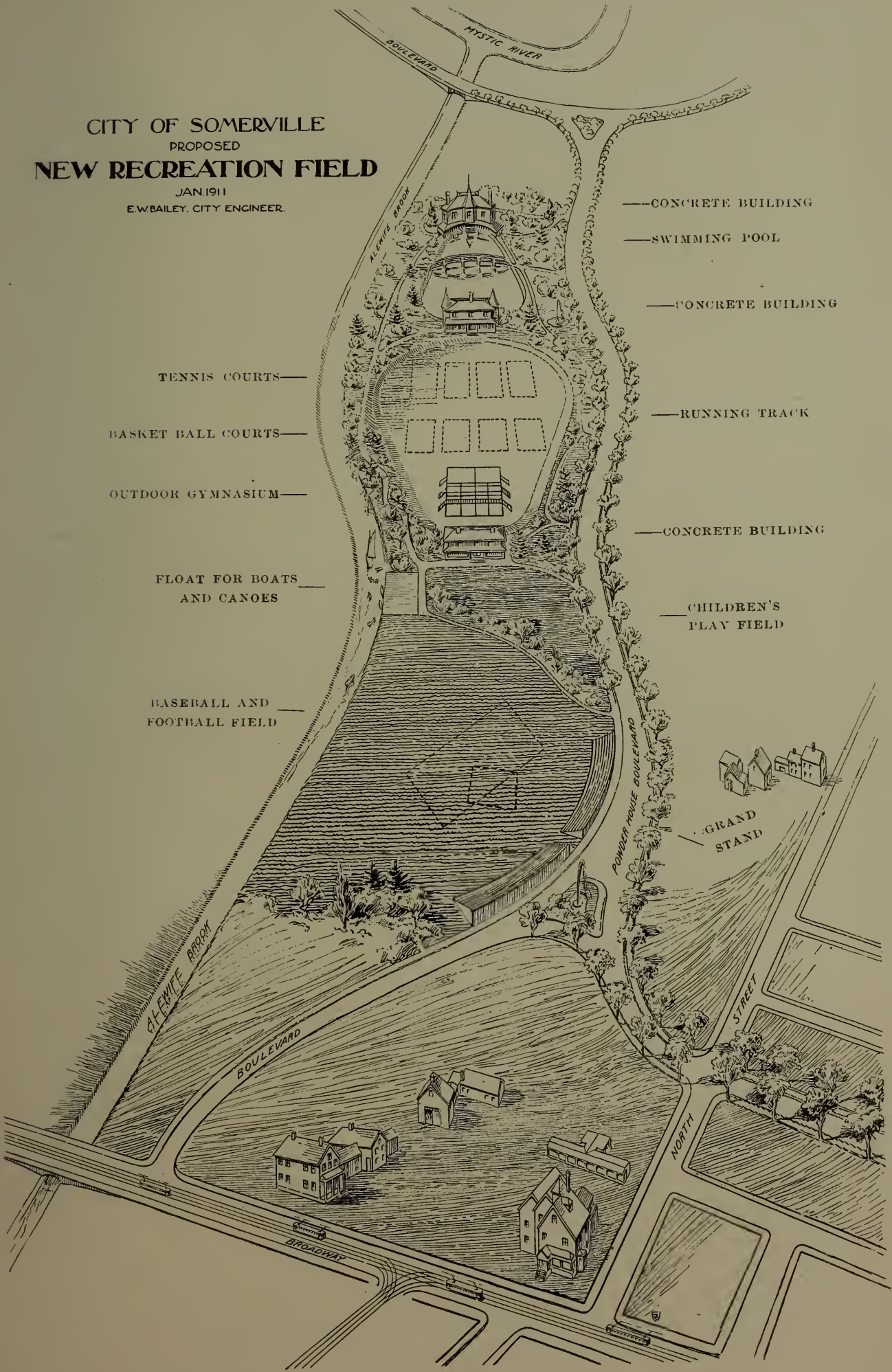
At the westerly end of Lincoln park, a swimming pool having an area of not over 3,000 square feet could be constructed, with a concrete bottom and side walls, at a small cost, and would be a source of much enjoyment to a very large number of children in the immediate vicinity.

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



CITY OF SOMERVILLE  
PROPOSED  
NEW RECREATION FIELD

JAN. 1911  
E. W. BAILEY, CITY ENGINEER.



TENNIS COURTS

BASKET BALL COURTS

OUTDOOR GYMNASIUM

FLOAT FOR BOATS  
AND CANOES

BASEBALL AND  
FOOTBALL FIELD

—CONCRETE BUILDING

—SWIMMING POOL

—CONCRETE BUILDING

—RUNNING TRACK

—CONCRETE BUILDING

—CHILDREN'S  
PLAY FIELD

—GRAND  
STAND



park ; also the Holland-street 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 has received from the Somerville High School Association a portion of the cost of maintaining the enclosed athletic field, located in West Somerville, amounting to \$267.00 for 1910 ; the association also pays the cost of policing the grounds at all of the school's contests.

The city's assessment for Metropolitan parks and boulevards for the year 1910 amounted to \$16,270.53 on construction account, \$17,087.76 being the proportional cost for maintaining the same ; in addition to this, the city's special assessment for the newly-constructed Wellington bridge across Mystic river, on the line of the Metropolitan parkway, amounted to \$4,795.09 on construction account, and \$876.29 for maintenance. Somerville pays a separate assessment, together with four other cities, of twelve and one-half per cent. of the cost of construction and maintenance of this new bridge, besides the proportional part of the Metropolitan park district assessment. The total of the above assessments amounts to \$39,029.67, being Somerville's proportional payment to the state on account of the Metropolitan park system for the year 1910.

The total assessment paid to the state for parks and boulevards amounts to \$308,431.13 January 1, 1910, 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.

**Maintenance Account (Public Grounds and Parks).****STATEMENT OF EXPENSES, 1910.**

## Central Hill Park (13.1 acres):—

Maintenance of grounds and general care of property, labor and teams . . . . .	\$1,366 19
Re-surfacing concrete walks . . . . .	409 90
Tools and supplies . . . . .	45 33
Repairing tools and property . . . . .	98 45
Plants, flowers, bulbs, trees, and shrubs . . . . .	457 27

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 \$2,377 14

(Credit, \$71.54.)

## Prospect Hill Park (2.6 acres):—

Maintenance of grounds and observation tower, labor and teams . . . . .	\$845 84
Tools and supplies . . . . .	38 14
Repairing tools and property . . . . .	42 56

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 926 54

(Credit, \$75.)

## Tufts Park (4.5 acres):—

Maintenance of grounds and general care of property, labor and teams . . . . .	\$954 90
Tools and supplies . . . . .	29 78
Repairing tools and property . . . . .	10 56
Plants, flowers, bulbs, etc. . . . .	144 32

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 1,139 56
Belmont Street Park, near Summer street  
(0.4 acre):—

Maintenance of grounds, labor and teams, . . . . .	\$130 71
Plants, flowers, bulbs, etc. . . . .	72 75

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 203 46

## Paul Revere Park:—

Maintenance of grounds, labor . . . . .	18 00
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Powder House Boulevard (1 1-3 miles  
long):—

Maintenance of roadway, walks, and grass plots, labor and teams . . . . .	\$541 29
Improvement of roadway with "tarvia" . . . . .	954 27

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 1,495 56

(Credit, \$34.50.)

## Powder House Square (0.2 acre):—

Maintenance of area between streets . . . . .	\$36 25
Plants, trees, and shrubs . . . . .	95 03

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 131 28

## Cemetery, Somerville avenue (0.7 acre):—

Maintenance of grounds, labor and teams . . . . .	\$68 22
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(Credit, \$24.30.)

Broadway Parkway (2.0 acres, Grant street  
to Boston line):—

Maintenance of grounds, labor and teams, . . . . .	\$183 87
Plants, flowers, etc. . . . .	100 00

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 283 87

(Credit, \$100.)

## Broadway Park (15.9 acres):—

Maintenance of grounds and general care of property, labor and teams . . . . .	\$1,232 48
Trimming and spraying trees . . . . .	247 25
Tools and supplies . . . . .	102 13
Repairing tools and property . . . . .	74 10
Plants, flowers, bulbs, etc. . . . .	212 95
New flag-pole complete . . . . .	287 01

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\$2,155 92

(Credit, \$181.)

## Lincoln Park (8.3 acres):—

Maintenance of grounds and general care of property, labor and teams . . . . .	\$1,275 62
Tools and supplies . . . . .	44 96
Repairing tools and property . . . . .	38 56
Plants, flowers, bulbs, etc. . . . .	69 55

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1,428 69

(Credit, \$75.)

Broadway Athletic Field, Tufts College land  
(4.4 acres leased):—

Maintenance of grounds and care of property, labor and teams . . . . .	\$423 20
Tools and supplies . . . . .	19 95
Repairing property, fence, seats, and building . . . . .	93 94

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537 09

(Credit, \$267.)

Playground, Broadway, corner Cedar street  
(4.2 acres):—

Maintenance of grounds, labor and teams . . . . .	327 14
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Playground, Broadway, corner Mason street  
(0.3 acre):—

Maintenance of grounds, labor . . . . .	10 00
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Playground, Glen street, corner Oliver  
street (0.9 acre + 1.5 acres leased):—

Maintenance of grounds, labor and teams, . . . . .	\$172 40
Building new fence on property line . . . . .	101 80

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274 20

Playground, Somerville avenue, corner  
Kent street (0.8 acre):—

Maintenance of grounds, labor and teams . . . . .	83 16
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Playground, Beacon street, near Washing-  
ton street (0.2 acre):—

Maintenance of grounds, labor and teams . . . . .	13 25
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Playground, Webster avenue, near Cam-  
bridge line (0.2 acre):—

Maintenance of grounds, labor . . . . .	15 50
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Playground, Poplar street, corner Joy  
street (0.5 acre):—

Maintenance of grounds, labor and teams . . . . .	15 50
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Playground, Fellsway East (Winthrop ave-  
nue) (2.5 acres leased):—

Maintenance of grounds, labor and teams . . . . .	74 09
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Proposed New Recreation Field, located  
between Powder House boulevard  
and Alewife brook, near West Med-  
ford line (4.7 acres):—

Grading and improving field, labor and teams . . . . .	1,200 00
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(Credit, \$1,200.)

Miscellaneous Equipment furnished on Playgrounds, 1910, for School Com- mittee . . . . .	\$138 28
Transferred to School Committee to be used for Supplies and Supervision on Playgrounds . . . . . (Credit, \$1,050.)	911 72
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Total expenditure, maintenance (67.9 acres) 58.8 acres city property + 8.4 acres leased land, 0.7 acre ceme- tery and 1.36 miles boulevard, and 0.54 mile park- way—roads . . . . .	\$13,828 17
(Expenditure, 1910, for Playgrounds and Recreation, \$4,008.13.)	

## CREDIT.

Appropriation . . . . .	\$11,800 00
Received from High School Athletic Asso- ciation, repairing seats and fence, 1910, and special maintenance of field for high school games . . . . .	267 00
Received from Boston Elevated Railway Company, partial maintenance Broad- way parkway, 1909-1910 . . . . .	100 00
Received from Public Grounds construction for labor, teams, etc., grading new playground . . . . .	1,200 00
Received from City Engineer's department for labor, teams, etc., setting stone bounds . . . . .	296 54
Received from other departments for sod and materials . . . . .	140 50
Received for old iron, etc. . . . .	24 30
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Total credit . . . . .	\$13,828 34
Balance unexpended . . . . .	\$0 17

## APPENDED TABLES.

Annexed to this report is a table giving names of all streets in the city, public and private, lengths, widths, and the total mileage ; also a table showing old names of certain streets as formerly known, and names of public squares in the city.

Respectfully submitted,

ERNEST W. BAILEY,

City Engineer.

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## John Thomas Hafford

Born September 16, 1881

Died April 1, 1910

“Jack” Hafford’s sudden and untimely death came as a great shock to his office associates, and with deep regret and sorrow to his many friends and companions. The sad accident happened through an unfortunate misstep when attempting to cross the steam railroad tracks at the Union-square station, a passing train causing his death. He had been a faithful and efficient member of the city’s engineering force for ten years, and a general favorite with the “boys” associated with him in the daily work. He was a young man of high personal character, with an agreeable disposition and even temperament, a persevering worker, a fine and finished athlete, and will be greatly missed and long remembered by all who knew him.

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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 pl. . . .	Somerville ave. .	Southwesterly . .	Private.	25	....	203
Aberdeen road .	Cedar st. . . . .	Highland ave. . . .	Private.	40	....	411
Ab erdeen 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	554	....
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
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 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 . . . . .	Lawrence 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
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	....



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.
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 . . . . .	Pritchard ave. . . . .	Public.	50	509	....
Boston ave. . . . .	Pritchard ave. . . . .	Easterly to angle in st	Private.	50	....	146
Boston ave. . . . .	Angle inst.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	....
Catly 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
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	....

\*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.
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. . . .	Private.	40	....	1,349
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 . . . .	Lawrence 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. . . .	Private.	50	....	460
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	....
Distillhouse . . . .	South st. . . .	Cambridge line . . . .	Private.	35	....	150
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
Dresden circle . . . .	Cutter ave. . . .	Westerly . . . .	Private.	30	...	133
Durham . . . .	Beacon st. . . .	Hanson st. . . .	Public.	40	423	....

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.
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
Edmunds . . . . .	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
Fremont ave. . . . .	Bowdoin st. . . . .	Lincoln pk. . . . .	Public.	31	232	....
Fremont . . . . .	Main st. . . . .	Meacham st. . . . .	Public.	40	612	....
F remont . . . . .	Meacham st. . . . .	Near Mystic ave. . . .	Private.	40	....	785

\* 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.
Garden ct. . . .	Somerville ave. . .	Fitchburg R. R. . .	Private.	25	....	370
Garfield ave. . . .	Broadway . . . .	Middlesex ave. . . .	Private.	40	....	1,430
Garrison ave. . . .	Broadway . . . .	Woodstock st.(Ext'n)	Private.	40	....	850
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 . . . .	Eln 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.	50	....	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.	60	....	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	....
Hill . . . .	Broadway . . . .	Fairmount ave. . . .	Public.	40	....	254
Hillside ave. . . .	Pearl st. . . .	Southwesterly . . . .	Private.	30	....	150
Hillside cir. . . .	Craigie st. . . .	Westerly . . . .	Private.	16	....	151
Hillside pk. . . .	Walnut st. . . .	Northwesterly . . . .	Public.	40	....	196

\*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.
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. . . . .	Private.	40	....	365
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	....
Leslie pl. . . . .	Highland 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	....

\*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.
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.	30	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. . . .	Crown st. . . .	Private.	33+	....	349
Lowell . . . .	Crown st. . . .	Medford st. . . .	Public.	40	3,121	....
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	....
Mardell 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
McCulpe 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 . . . .	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
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	....

\*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.
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
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	Washington st.	Somerville ave.	Public.	40	....	360
Mystic	Benedict st.	Mystic ave.	Public.	40	....	336
**Mystic Val. Pky.	Medford line.	Arlington line	Public.	60	....	2,330
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
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

\*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.
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.	13+	....	155
Pinckney pl. . . . .	Pinckney st. . . . .	Southeasterly . . .	Private.	24	....	125
Pinckney . . . . .	Washington st. . . . .	Perkins st. . . . .	Public.	40	1,186	....
Piper ave. . . . .	Cedar st. . . . .	Westerly . . . . .	Private.	20	....	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 pl. . . . .	Porter st. . . . .	Northwesterly . . .	Private.	20	....	195
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	....
Princeton . . . . .	Alpine st. . . . .	Lowell st. . . . .	Public.	40	648	....
Princeton . . . . .	Lowell st. . . . .	Centre st. . . . .	Private.	40	....	540
Pritchard ave. . . . .	Morrison ave. . . . .	Frederick ave. . . . .	Public.	40	634	....
Pritchard ave. . . . .	Frederick ave. . . . .	Boston ave. . . . .	Private.	40	....	511
Professors row . . . . .	College ave. . . . .	Curtis st. . . . .	Public.	40	2,000	....
Proposed st. . . . .	Conwell ave. . . . .	Sunset rd. . . . .	Private	40	....	632
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. . . . .	Lawrence st. . . . .	Public.	35	467	....
Richardson ter. . . . .	Richardson st. . . . .	Northeasterly . . .	Private.	20	....	135
Richdale ave. . . . .	School st. . . . .	Sycamore st. . . . .	Public.	40	875	....
Richmond hi'l'ds {	Madison st. . . . .	Southerly 146' . . . .	Private.	30	....	146
	Madison st. s'ly 146	Highland ave. . . . .	Private.	10	....	140
Roberts . . . . .	Lawrence 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. . . .	Private.	30	....	200
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	....	100
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 pl. . . .	Belmont st. . . .	Easterly . . . .	Private.	30	....	75
Snow pl. . . .	Snow pl. . . .	N'th'ly and S'th'ly	Private.	20	....	222
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 . . . .	Lawrence 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

\*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.
Taunton. . . .	Wyatt st. . . .	Easterly to angle .	Private.	30	....	170
Taunton . . . .	Angle . . . .	Marion st. . . .	Private.	20	....	95
Taylor pl. . . .	Somerville ave.	Southerly . . . .	Private.	15	....	200
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 pl. . . .	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. . . .	Kenmeson 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 . . . .	Charlcst'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

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.
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
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. .	Arlington Br.R.R.	Private.	30	....	266
Westminster . .	Broadway . . .	Electric ave. . .	Public.	40	376	....
Weston ave. . .	Clarendon ave. .	Broadway . . .	Private.	40	....	525
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. . .	Lawrence 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	....
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	....	1,355
Woodstock . . .	Victoria st. . .	Alewife brook . .	Private.	40	....	410
*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- }	Public.	40	294	....
Yorktown . . .	{ N. E. line }	vern ave. }				
Yorktown . . .	{ 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 . . .	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 . . .	Olive ave. . .	Porter st. . .	Private.	7.5	....	156
Court . . .	10 Stone ave. . .	Northwesterly . .	Private.	20	....	113
Total . . .					400,562	107,484

Public, 75.864 miles (includes 3.294 miles boulevards and 1.16 miles State Highway); private, 20.357 miles.

Total length of streets in the city, 96.221 miles.

**TABLE SHOWING OLD NAMES OF CERTAIN STREETS AS FORMERLY KNOWN.**

Present Name of Street.	Former Names by Which Street Has Been Known.
Aberdeen road.....	Gurney street
Addison place.....	Tube Works court
Albion street.....	{ Franklin street Forest avenue or street (easterly end) Hobbs street
Aldrich street.....	{ Ruby street Eglantine street
Ash avenue.....	Minnie avenue
Ashland street.....	Maple street
Atherton street.....	Beech street (westerly end)
Avon place.....	{ Middle lane Barberry lane Cross lane
Bartlett street (Wd. 5)...	Earle street
Beacon place.....	Taggard court
Beacon street.....	{ Road to West Cambridge Middlesex turnpike Hampshire street
Beech street.....	Oak street
Benedict avenue.....	Lovell street
Benton road.....	Benton avenue
Berwick street.....	Holland street
Bigelow street.....	{ High street D street
Bond street.....	Park street
Bonner avenue.....	{ Bonner place Warren avenue
Boston ave. (s'th'ly end)	{ Southwick avenue Cypress street Orange street
Boston street.....	A street
Bow street.....	{ Charlestown lane Milk Row road Milk row
Broadway .....	{ Road to Menotomy Menotomy road Medford road Road from Menotomy to Boston Medford road over Winter hill Great road from Charlestown to Menotomy Winter Hill road or street West Cambridge road Charlestown road Broadway street Main street
Calvin street.....	Dimick street
Cameron avenue.....	Cameron street
Carlton street.....	Bow street

Present Name of Street.	Former Names by Which Street Has Been Known.
Cedar street.....	<ul style="list-style-type: none"> <li>{ Rangeway</li> <li>{ Seventh rangeway</li> <li>{ Rangeway to Medford</li> <li>{ Second rangeway from Central street</li> <li>{ Leland street</li> <li>{ Rose lane</li> <li>{ Milk lane</li> </ul>
Central street.....	<ul style="list-style-type: none"> <li>{ Fifth rangeway</li> <li>{ Tufts rangeway</li> <li>{ Rangeway from Winter hill to Milk row</li> <li>{ Centre street</li> <li>{ Old road</li> <li>{ Rand's lane</li> </ul>
Centre street.....	Forest place
Chester avenue.....	<ul style="list-style-type: none"> <li>{ Chester street</li> <li>{ Middle lane</li> <li>{ Cross lane</li> <li>{ Barberry lane</li> </ul>
Church street.....	New Church street
City road.....	City Farm street
Claremon street.....	<ul style="list-style-type: none"> <li>{ Carmel street</li> <li>{ Claremont street</li> </ul>
Cleveland street.....	Elm place
Clifton street.....	Appleton street
College avenue.....	Elm street (Davis sq. to Powder House sq.)
Columbia street.....	Glass House court (westerly end)
Columbus avenue.....	<ul style="list-style-type: none"> <li>{ Highland street</li> <li>{ Warren avenue</li> <li>{ Probation path</li> <li>{ Windham road (southeasterly end)</li> </ul>
Concord avenue.....	<ul style="list-style-type: none"> <li>{ Brick Yard lane (Newton st. to Beacon st.)</li> <li>{ Lincoln street (Beacon street easterly)</li> <li>{ Garden street (Beacon street easterly)</li> </ul>
Cooney street.....	Hanson lane
Cottage avenue.....	Cottage place
Crescent street.....	Mt. Vernon street
Cross street.....	<ul style="list-style-type: none"> <li>{ Second rangeway (Broadway to Medford st.)</li> <li>{ Runey's lane</li> <li>{ Three Pole lane</li> </ul>
Crown street.....	Rand street
Curtis avenue.....	<ul style="list-style-type: none"> <li>{ Pleasant avenue</li> <li>{ Mt. Pleasant avenue</li> </ul>
Curtis street.....	<ul style="list-style-type: none"> <li>{ Second rangeway</li> <li>{ South street</li> </ul>
Cutter avenue.....	Russell street
Dane avenue.....	Dane court
Dane street.....	Union street
Dartmouth street.....	Fruit street
Dearborn road.....	Professors row (College ave. to Boston ave.)
Derby street.....	<ul style="list-style-type: none"> <li>{ Temple street</li> <li>{ Winthrop street</li> </ul>
Dickinson street.....	John street

Present Name of Street.	Former Names by Which Street Has Been Known.
Dimick street.....	{ Rollins street (southeasterly end) Calvin street
Dover street.....	Willow street
Dow street.....	Weare street
Dynamo street.....	Howard street
Eastman road.....	Eastman terrace or place
Elm court.....	Elm street
Elm street.....	{ Charlestown lane Milk lane Road from Medford to Cambridge Road from Medford to Cambridge over Quarry hill Powder House road Milk row or road Cambridge road
Elmwood street.....	{ Elmwood avenue Davis street
Emery street.....	Harding street
Eustis street.....	Eustis court
Everett avenue.....	Everett street
Evergreen square.....	Cutter square or place
Fairlee street.....	Graham street
Fanning avenue.....	Dexter street
Fellsway east.....	Winthrop avenue
Fellsway west.....	Chauncey avenue or street
Fenwick street.....	Thurston street
Flint avenue.....	Runey place
Flint street.....	Runey street (Cross street to Aldrich street)
Forster street.....	{ Linwood street Federal street
Franklin street.....	{ First rangeway Second poleway Two Pole lane
Fremont street.....	Tremont street
Giles park.....	Giles place
Gilman street.....	{ Cross-street place Clarendon street
Gilson terrace.....	Gilson park
Glendale avenue.....	Holmes street
Glenwood road.....	Jenny Lind avenue
Gould avenue.....	Gould court
Greenville street.....	C street
Hammond street.....	{ Dickinson place Benefit street
Hancock street.....	{ Gordonia rd. (Summer st. to Highland ave.) Fanning avenue (Highland avenue to Lexington avenue)
Harding street.....	Rideout street
Harrison street (Wd. 6).	Ivaloo place
Harvard place.....	Chestnut street or court
Hawkins street.....	{ Hawkins court Milton street

Present Name of Street.	Former Names by Which Street Has Been Known.
Hawthorne street.....	{ Graves street Evans or Evon street
Henry avenue.....	Ayer street
Highland avenue.....	{ Middle lane Cross lane Barberry lane Church street (Medford st. to Central st.)
Highland road.....	{ Dale avenue Ayer avenue
Hillside park.....	Marritt or Marrett place
Hinckley street.....	Lawrence street (southerly end)
Holland street.....	New street to Arlington
Ivaloo street.....	{ Auburn court Wood street
Jaques street.....	Bond street (Temple street to Bond street)
Josephine avenue.....	Arnold street
Kensington avenue....	{ Kensington street Kenilworth avenue
Kingman road.....	{ Kingman court or street Warren avenue or street
Kingston street.....	Campbell park (angle to Cambridge line)
Lake street.....	Hawkins court
Langmaid avenue.....	West street
Lesley avenue.....	Alton street
Lexington avenue.....	Lexington street
Lincoln avenue.....	George street
Linden avenue.....	{ Brackett's row Leland street
Line street.....	Lynde street
Linwood street.....	Linden street
London street.....	Lowell street
Lowell street.....	{ Rangeway Old rangeway Sixth rangeway Charles Adams' rangeway White street Highland road
Main street.....	{ Road from Medford to Boston Medford road
Malvern avenue.....	Hollis street
Maple avenue.....	Parterre square
Maple street.....	Jackson street
Marion street.....	{ Cook st. (Adrian st. to north of Wyatt st.) Harcourt st. (North Wyatt st. to Dimick st.)
Meacham road.....	{ Meacham street Brooks street
Medford street.....	{ Road from Medford to Lechmere point Road from Canal bridge to Medford New road from Medford to Cambridge bridge Craigie's road to Medford Road to Medford Craigie road Gore street (easterly end)

Present Name of Street.	Former Names by Which Street Has Been Known.
Merriam street.....	Myrtle street
Miller street.....	Pierce's court
Milton street.....	Mason avenue
Monmouth street.....	{ York terrace (easterly end) Chestnut street } (westerly end) Chestnut court } Harvard place }
Moreland street.....	Brooks street (Main street to Meacham st.)
Morrison avenue.....	Morrison street
Munroe street.....	{ Prospect street Mt. Pisgah avenue High street B street }
Myrtle street.....	Warren street
Mystic avenue.....	Mystic turnpike or road
Mystic street (Wd. 2)...	Myrtle street
Newton street.....	{ Way by Bullard's bridge Road to Cambridgeport Brick Yard lane }
North street.....	{ Proprietor's way Cook's lane Third rangeway }
North Union street.....	Canal street
Norwood avenue.....	Magoun street
Oakland avenue.....	Oakman avenue
Oliver street.....	Broom street
Oxford street.....	{ High street (westerly end) Trull street }
Park street.....	{ Baldwin street Snowhill street }
Paulina street.....	James street
Pearson avenue.....	Orient street
Perkins street.....	Proprietor's way (part)
Perry street.....	North Wyatt street
Pitman street.....	Walnut street
Poplar street.....	Walnut street (Linwood street to Joy street)
Powder House boulevard.	Barnett street (North street easterly)
Prentiss street.....	Harris street
Preston road.....	Preston street
Pritchard avenue.....	Orient street
Prospect Hill avenue....	Cross street
Prospect street.....	{ Road from Cambridgeport to Charlestown Pine street }
Richardson street.....	Appleton street (Lowell street westerly)
Sacramento street.....	Union street
Sargent avenue.....	Mills street (Walnut street to angle)
Sartwell avenue.....	{ Chestnut street Maple street }
Sawyer avenue.....	Sawyer street
School street.....	{ Fourth rangeway Ireland's lane (Somerville avenue northerly)



Present Name of Street.	Former Names by Which Street Has Been Known.
Seven Pines avenue.....	Stiles street
Sewall street.....	Heath street
Shawmut street.....	{ Three Pole lane Second rangeway
Somerville avenue.....	{ Charlestown lane (Union square westerly) Milk Row road (Union square westerly) Milk row (Union square westerly) Kent's street (Union square westerly) Road from West Cambridge to Charlestown County road Bridge street Milk street
Spring court.....	Spring Hill court
Spring street.....	Spring Hill street
St. James avenue.....	Melburn place
Sycamore street.....	Lyceum street
Teele avenue.....	Teele street
Temple street.....	Derby lane or street
Thorpe street.....	Thorpe place
Veazie street.....	Hawes avenue
Vernon street.....	{ Taylor street Euston street
Virginia street.....	Eglantine avenue
Walnut street.....	{ Third rangeway Hazeltine's lane
Warner street.....	Elm street
Washington street.....	{ Highway to Newtowne Road from Cambridge to Charlestown Road to old Cambridge Cambridge road Road from the colleges to Charlestown Charlestown road Milk row (Charlestown to Union square) Kirkland street (Union square to Cambridge) Cambridge street (Union sq. to Charlestown)
Water street.....	Willow street
Webster avenue.....	Medford street
Webster street.....	{ Lime street Sullivan street
Wesley park.....	Hawkins park
Wesley street.....	Prince street
Wheatland street.....	{ Walnut street New Walnut street
White street.....	{ Cottage street Maple street
White-street place.....	Cottage court
Willow avenue.....	{ Rangeway Eighth rangeway Irving street Willow street
Winchester street.....	Charles street
Windsor road.....	{ Minot street Willow Dale street
Wyatt street.....	Wyatt's lane
Yorktown street.....	Albro street

**LIST OF SQUARES IN THE CITY**

Present Name.	Former Name.
Ball square.....	
Central square.....	Prescott square
Concord square.....	
Cutter square.....	Russell square
Davis square.....	Clarendon square
Gilman square.....	
Homer square.....	
Magoun square.....	Pollard square
Metropolitan square.....	Post-Office square
Oak square.....	
Powder House square...	Tufts square
Teele square.....	Russell square
Union square.....	
Wesley square.....	

## REPORT OF THE STREET COMMISSIONER.

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OFFICE OF THE STREET COMMISSIONER, }  
CITY HALL, SOMERVILLE, January 1, 1911. }

To His Honor, the Mayor, and the Board of Aldermen :—

Gentlemen,—I most respectfully submit the thirty-fifth annual report, containing a brief summary of the principal work performed by the highway department during the year 1910, 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.

This department has charge of the construction, alteration, repair, maintenance, and management of ways, streets, and sidewalks and bridges ; also the setting out and care of shade trees, the suppression of brown-tail and gypsy moths, elm-leaf beetles, and the supervision of street watering and oiling.

The department is keeping pace with the other cities of the Commonwealth in the modern construction of highways, Somerville being one of the first cities to use tarvia as a road binder.

Two great improvements have been completed and one started this year. The Somerville avenue bridge and the Lowell street bridges have been opened for traffic, and the abolition of the Webster avenue grade crossing is under way, all of which will be greatly appreciated by the public.

The department is following out the custom of constructing one or more thoroughfares each year. College avenue from Powder House square to Winter street was constructed with the tarvia macadam, two coats penetration method, and with paving brick grouted on a concrete base, from Winter street to the Boston & Maine railroad tracks at Davis square, at a cost of \$8,397.54; credits, \$155.95; net cost, \$8,241.59.

Somerville avenue from Lowell street to and including Oak square was paved by the department with granite paving blocks on a gravel base, the joints filled with pea stone and tarvia No. 13, at a cost of \$3.08 per square yard. Total cost, \$12,851.05; credits by paving stock, \$282.40. Net cost, \$12,568.65.

Somerville avenue from Medford street to the East Cambridge line, where not already paved, was paved with granite paving blocks on a Hassam base, grouted with Portland cement. This work was let to the Simpson Bros. Corporation at \$2.96 per square yard. Total cost, \$13,529.58. Credits, \$477.50. Net cost, \$13,052.08.

The total cost of these several pieces of work includes the resetting of edgestone and crossings and the repaving of the sidewalks.

All the good material from the streets that were constructed was used to great advantage on the side streets.

#### **Holland Street Ledge.**

Quarrying is carried on at this ledge in the winter time as well as in the summer, thus giving work to many men who would otherwise be unemployed. A large amount of good stone still remains which can be used after it is crushed for concrete, granolithic sidewalks, and for repairing side streets.

A dynamite magazine has been constructed this year, thus improving the safety of the surrounding property.

The steam drill has worked 273 days.

#### **Stone Crusher.**

The crushing plant has worked 257 days during the year, but was unable to supply the demand for crushed stone. As only hard stone is used for the last two layers, which are the nut and pea size, specifications were issued and bids called for supplying same. A contract was made with the Winchester Stone Company at \$1.09 and \$1.10 per ton, F. O. B., Somerville or Cambridge. There were 8,769 tons of stone crushed and 3,285½ tons purchased during the year.

#### **Street Cleaning.**

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 the squares to care for same and on some of the main streets. Two extra men with push carts were added to the force this year to care for the east and west ends of the city.

I hope the coming year to place a single team, with an extra man, in each ward in the city. The driver will be instructed to care for the ward to which he is assigned with regard to keeping it clean, and on rainy days fill up any holes or depressions he may find. In this way the entire city will be covered once or more each week.

Every resident in the city should have pride enough to see that the street in front of his home or place of business is kept clean.

In this branch of the work the department has been greatly helped by the new rule of the board of health, whereby the employees of the health department set out the ash and rubbish barrels on the sidewalk. In this manner only the material which can be collected that day is set out, whereas in former years the tenants sometimes set out the barrels, etc., the night before, and some were left that could not be collected. The result was that in many cases the barrels were tipped over and the rubbish blown over the streets.

### **Bridges.**

The bridges in the city are in good condition. Many of the railroad bridges have been replanked this year. Willow bridge over the Boston & Maine Railroad, Southern Division, should be widened. A new bridge was constructed on Mystic avenue at the Boston line over the tracks of the Boston & Maine Railroad.

### **Shade Trees.**

Trees purchased by the abutters are set out free of cost. There are many dead and dangerous trees which the department is removing as fast as possible that have been killed by wires, gas, and insects. Fifty-eight dead and dangerous trees were removed during the year, and 251 trees set out. One hundred and eighty trees were trimmed by request.

In former years all hearings on the removal of trees were held by the board of aldermen. Under the new law the hearings are held before the street commissioner.

### **Elm-Leaf Beetle.**

In order that the department may be able to successfully fight against the ravages of this pest the city should purchase a spraying machine which would make it possible to cover the entire city while the beetles are eating the leaves, thus saving the beautiful elm trees of which we are so proud. This machine could also be used for spraying the trees for the gypsy, brown-tail, and Tussock moths. During the year there were 1,064 trees sprayed which were infested with the elm-leaf beetle.

### **The Leopard Moth.**

This moth is destroying many of the trees, and, unlike the other moths, which feed on the foliage, bores into the branches and feeds upon the living wood, thus making it hard to find them. The larvae usually begin operations in twigs and small branches, and with their larger growth bore and tunnel into the larger branches and trunks. This work has the effect of girdling, the injured portion being blown down by heavy wind and snowstorms, while in case of severe attack the growth of the tree is checked, frequently causing its death. The fallen branches and twigs are gathered and taken to the dumps and burned.

There should be an appropriation for the extermination of this pest. The trees could then be examined and the larvae destroyed before it is too late.

### **Suppression of the Gypsy and Brown-Tail Moths.**

The department cared for all the street trees and trees on private property where the owners had not cared for them. The gypsy nests are painted with creosote and the brown-tail

nests 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 year round.

This work is inspected by an inspector sent by the state forester, Mr. Frank William Rane.

The work has been so thoroughly done that very few trees were sprayed for the moth in the caterpillar form.

Where nests are found on private property the owner is charged at the rate of twenty-five 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. Eleven thousand three hundred and five trees were inspected and cared for during the year.

### **Subways.**

The subways at Kent street and at Sacramento street under the Fitchburg division of the Boston & Maine Railroad are in good condition. The subway at Thorndike street under the Southern Division needs some repairing.

These subways require constant attention. Men are assigned to care for them, and extra help provided in case of a storm.

### **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. Good results have been obtained and money saved where the department used oil or tar to keep down the dust. After seeing the results many residents have requested that their streets be treated. I hope to cover nearly the entire city the coming year with several kinds of dust layers. By so doing I think the assessment can be reduced.

Twenty-nine contractors signed contracts to furnish a pair of horses, harnesses, and a man at the rate of \$90 per month. Each contractor was assigned about two miles of streets to sprinkle.

All the watering carts are repaired and painted by the employees of the department at the city stables. There would be a saving in the painting of these carts if oil or tar were used on the streets.

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 194 days, the twelve-ton roller 163½ days, and the five-ton roller fifteen days.

These rollers will need some extensive repairs the coming year, and as they have been in service a number of years and

are liable to give out at any time, I recommend the purchase of a new fifteen-ton roller.

### **Granolithic Sidewalks.**

The department laid all the granolithic this year, thus giving employment to Somerville citizens and furnishing granolithic sidewalks to taxpayers at the low average cost of \$1.51 per square yard, the abutters being assessed half the cost.

As the cost of granolithic is but little more than brick, and as the abutters desire this kind of superior sidewalk and are willing to pay half the cost, it is only fair for the city to grant their wishes.

If a concrete mixing machine were purchased it would reduce the cost of this kind of work, and could be used for concrete work of all kinds.

### **Snow and Ice.**

The department was called upon to care for a great amount of snow this year. As there is no separate appropriation for the care of ice and snow, the amount available for the running expenses of the department is thereby greatly lessened. Three thousand four hundred and fifty-two loads of snow were removed, and a large sum of money expended in sanding sidewalks and slippery streets on the side hills.

The sum of \$9,900.82 was spent this year on the removal of snow and ice and incidental expenses.

It is the duty of this department to remove the snow from all sidewalks in front of public buildings and public grounds, and sand the same when they become slippery. This department receives no compensation for this work.

Dumping the snow into the sewers through manholes has been a great saving in the expense of teaming.

As soon as the bridges made necessary by the abolition of the grade crossings are completed the city must care for snow and ice upon the same. This will add expense to this branch of the work.

Boxes filled with fine sand for icy streets, crossings, and sidewalks have been placed within easy access of the push cart men and men who care for the subways and squares during the winter months.

Sections 1 and 2 of Ordinance No. 46, approved February 12, 1904, as quoted below, clearly regulate the removal of snow and ice from sidewalks :—

Section 1. No owner or tenant of land abutting upon a sidewalk within the limits of any highway or townway in this city shall suffer to remain on such sidewalk for more than six hours between sunrise and sunset, on any day, any snow nor any ice, unless such ice is made even and covered with sand or other suitable material to prevent slipping. Such owner and tenant shall remove all snow and ice from such sidewalk within the time and in the manner herein specified.

Section 2. Whoever violates any of the provisions of section one of this ordinance shall forfeit to the city the sum of twenty-five dollars for each offense.

Where there is an edgestone, if the residents, when clearing their sidewalks of snow, would clean the same to the outer edge of the edgestone, it would be a great help to and less expensive for the department to open the gutters, especially in a thaw after a snow storm.

#### **Underground Wires.**

Permits for opening the streets for the purpose of constructing conduits and burying wires were issued to the Edison Electric Illuminating Company in Broadway, northerly side, from opposite Billingham street to Teele square, and on Willow avenue from Broadway to its power station. Permits were also issued to this company and to the New England Telephone and Telegraph Company to connect their underground systems on the main streets with their overhead wires on intersecting streets.

Many of the large unsightly wooden poles on Broadway between Magoun square and Teele square and on Medford street between Magoun square and Gilman square have been removed and iron poles substituted, thus giving a better appearance to the streets.

I shall be glad when all the wires are buried, especially the electric wires.

#### **Accepted Streets.**

There were six streets accepted during the year, comprising a total length of 3,623 feet.

There were eight streets constructed with macadam and tarvia under the Betterment Act, comprising a total length of 4,995 feet at an average approximate cost of \$0.82 per square yard. In all streets constructed during the past nine years edgestones were set and gutters paved with granite paving blocks before the construction work was begun.

There were fourteen streets macadamized or re-surfaced at a cost of \$8,814.43.

There are 75.864 miles of public streets and 20.357 miles of private streets in the city, making a total length of 96.221 miles.

#### **Sidewalks Maintenance.**

The city government is appropriating a goodly sum each year for the construction of sidewalks, but no appropriation for the care of the same. The last few years the sum so expended has been taken from the highway maintenance appropriation.

As there are many petitions from abutters for the repairing of sidewalks, and as some of them are dangerous, I hope the incoming city government will make an appropriation sufficient to care for the same.



The chief of police notifies this department if the patrolmen find any defects in the sidewalks or streets. These reports are always promptly attended to, thereby saving the city the possibility of law suits.

### **Street Railways.**

With the opening of the reconstructed bridge on Mystic avenue over the tracks of the Boston & Maine Railroad the Boston Elevated Railway Company connected its tracks with some alterations over this bridge, and are now using the same for their line to the Fells and Stoneham, doing away with the line over Union street.

New rails on a concrete base, with paving blocks grouted with cement, were laid on Main street from Broadway to the Medford line. This improvement is greatly appreciated by the tenants.

New rails on a concrete base with paving blocks grouted were laid on Broadway, the inbound track from Main street to Sargent avenue at the parkway and the outbound track from Sargent avenue to Marshall street being reconstructed.

Many of the narrow spaces between the tracks at sharp curves have been widened to provide greater safety to the public.

### **Emergency Call.**

This department is the originator of the "Emergency Call" for employees of highway departments. The emergency call is 8-8 on the fire alarm system, and is used in case of an accident on the railroad, a burst in a water-main, the collapse of a bridge, a big fire, or any other accident of such nature as would be likely to cause injury to life or limb, or be a menace to the safety of public travel, where teams and men could be used to good advantage. The emergency wagon is equipped with ropes, lanterns, and all kinds of tools, a quick hitch harness, and is always ready in case of an accident.

This wagon has been very handy when the police or residents have telephoned about trees blown over or broken off which must be attended to at once, or when any of the department's teams have broken down.

### **Tarvia.**

For some years past I have been investigating the matter of a proper binder for newly constructed macadam streets.

Late in the year 1906 several streets were coated with "Tarvia A," which are still in the very best of condition. This proves to me that it is the proper material for this purpose, and since that date tarvia has been used on all the streets constructed and resurfaced.

This year tarvia macadam cost \$0.82 per square yard.

Tarvia macadam construction is as follows: Shape up the street to sub-grade by filling or excavating, roll the sub-grade, spread and roll 4" to 6" of egg stone, spread and roll 2" of nut stone, fill all voids with hot tarvia from the tank, spread pea stone as quickly as possible, and roll with steam roller until macadam becomes a solid mass. If the tarvia oozes through the pea stone or sticks to the wheels of the roller, more pea stone is spread, and the wheels of the roller may be oiled or water may be used from the water cart.

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.

Permits for opening streets, Cambridge Gas Light Company	250
Permits for opening streets, Charlestown Gas and Electric Company	112
Occupying streets and sidewalks, contractors and corporations	103
Opening street and sidewalks, contractors and corporations	159
Cross sidewalk, contractors and corporations	59
Feed horses in streets	7
Blast rock for cellars	3
Drain layers' permits	123
Water department	205
Erect canopies	4
Steam rollers through streets	8
Defects in the streets and sidewalks reported by the chief of police	420
New signs erected by department	49
Signs re-painted	51
Requests and miscellaneous reports	1,233
Notifications to other departments and corporations	44
Sand and gravel used (square yards)	2,385
Dirt removed or handled (loads)	14,350
Scrapings removed from streets (loads)	11,952
Old macadam used (loads)	1,364
Ashes used (loads)	4,496
Edgestones re-set (feet)	2,192
Brick sidewalks re-laid (square yards)	2,213

I have attended twenty-six meetings of the committee on highways for consultation regarding work and petitions.

### Recommendations.

I most respectfully recommend :—

That Somerville avenue from Beacon street to Cambridge station at the Cambridge line be paved with granite paving blocks, and Elm street, the entire length, with some kind of permanent paving.

That the brick paving already laid in Davis square be extended on all the intersecting streets.

That on Beacon street, the entire length, and College avenue from Powder House square to the Medford line, the edgestone be set and gutters paved and the thoroughfares placed in good condition with some kind of permanent paving.

The city government should seriously consider construct-

ing Middlesex avenue and the portion of Mystic avenue from Austin street to the Boston line, not taken by the state. If portions of Broadway could be re-surfaced it would last a number of years and until such time as the city could afford to construct the street with permanent paving.

I hope that, in view of the fact that there are a large number of petitions for sidewalks, a large appropriation will be made for construction work this year.

I trust that when the Committee on Public Works is considering the matter of new sidewalks, it will consider the uncompleted spaces now existing on many sidewalks. If these sidewalks could be made continuous it would be a great benefit to pedestrians, especially in the spring and fall.

I also wish to recommend that a fence be built around the yard at the stable and that a combination shop for repairing and painting be established.

### Highways Maintenance Account.

CREDIT.		
Balance from 1909 . . . . .		\$12,341 59
Receipts and credits:—		
Commonwealth of Massachusetts, street railway tax . . . . .	\$49,645 15	
Boston Elevated Railway tax . . . . .	9,737 32	
Health Department (collection of ashes, 1909) . . . . .	335 55	
Lowell Street Bridges (bill of 1909) . . . . .	124 90	
Private work, the bills for which remained unpaid December 31, 1909 . . . . .	141 80	
Highways, Watering Streets (bill paid twice) . . . . .	209 03	
Highways, Suppression of Elm-leaf Beetle (bill paid twice) . . . . .	35 00	
Value of materials on hand January 1, 1900 . . . . .	3,429 99	
Value of tools and property on hand January 1, 1900 . . . . .	28,558 90	
	92,217 64	
		\$104,559 23
Less amount transferred to Sidewalks Maintenance account . . . . .		1,900 80
		\$102,658 43
Profit and loss on tools, property, and materials . . . . .		2,649 30
		\$105,307 73
DEBIT.		
Expenditures:—		
For repairs of sundry streets, as per table B, at end of this report . . . . .		\$8,814 43
General repairs of streets . . . . .		6,462 52
Repairs and maintenance of gravel sidewalks . . . . .		2,005 64
Repairs of street crossings . . . . .		89 56
Repairs of gutters . . . . .		196 84
Repairs of sheet and block paving . . . . .		1,004 37
		\$18,573 36

Amount brought forward . . . . .		\$18,573 36
Removing snow and ice and care of slippery sidewalks,	9,900 82	
Cleaning streets . . . . .	20,764 29	
Care of subways . . . . .	329 05	
Removing trees . . . . .	1,097 01	
Setting trees . . . . .	371 34	
Trimming trees . . . . .	320 16	
Spraying trees for tussock moths . . . . .	44 30	
Street opening, Electric avenue, at Packard avenue . . . . .	31 50	
Street opening, Liberty road, at Appleton street and Morrison avenue . . . . .	42 16	
Street opening, Mason street, at Broadway . . . . .	28 86	
Street opening, Whitman street, at Packard avenue . . . . .	29 69	
Blacksmithing . . . . .	301 06	
Carpentering . . . . .	376 12	
Painting . . . . .	117 50	
Street signs . . . . .	592 54	
Repairing stalls at city stable . . . . .	102 31	
Repairing yard at city stable . . . . .	605 78	
Waltham gravel land, taxes of 1910 . . . . .	100 80	
Roping off Highland avenue at grand stand July 4, 1910 . . . . .	82 99	
Repairs of shed at crusher . . . . .	17 67	
Sawing wood . . . . .	75 50	
Re-sodding sidewalk, Highland avenue, southwesterly side, School street to Central street . . . . .	126 67	
Sundry expenses . . . . .	963 30	
Albert M. Burbank, salary as foreman . . . . .	1,173 25	
Street Commissioner's salary . . . . .	2,000 00	
Street Commissioner's team . . . . .	252 42	
Street Commissioner's telephone . . . . .	19 98	
Repairing tools . . . . .	83 98	
Taking care of highway property (labor) . . . . .	1,166 35	
Money paid men injured while at work . . . . .	424 50	
Health Department (bill unpaid December 31, 1910) . . . . .	60 60	
Books, printing, stationery, and postage . . . . .	184 42	
Abatement of accounts for collection . . . . .	19 12	
Private work, the bills for which remain unpaid December 31, 1910 . . . . .	372 85	
Value of materials on hand this day . . . . .	3,294 97	
Value of tools and personal property on hand this day:—		
Horses . . . . .	\$9,140 00	
Carts and implements used with horses . . . . .	9,356 70	
Harnesses and horse clothing . . . . .	1,466 95	
Repairs of harnesses and horse clothing, . . . . .	71 36	
Horse medicine and doctoring . . . . .	23 12	
Stable utensils and property . . . . .	580 65	
Tools . . . . .	2,700 17	
Steam road rollers . . . . .	5,700 00	
Stone crusher and fittings . . . . .	1,852 75	
Iron and hardware . . . . .	242 14	
Street signs . . . . .	57 00	
		31,190 84
Total debit . . . . .		\$95,738 06
Balance unexpended . . . . .		\$9,569 67

**Highways Construction Account.**

CREDIT.		
Balance from 1909 . . . . .	\$5,951 51	
Appropriation . . . . .	43,000 00	
	<hr/>	\$48,951 51
Advertising and recording deeds in 1909, charged in construction of streets in 1910 . . . . .	\$98 80	
Highways, Paved Gutters and Crossings account (paving blocks) . . . . .	591 28	
Highways Maintenance (stone) . . . . .	70 02	
	<hr/>	760 10
Total credit . . . . .		<hr/> <b>\$49,711 61</b>
DEBIT.		
Expenditures:—		
Construction of streets, as appears by table A, at end of this report . . . . .	\$50,776 55	
Less assessments . . . . .	6,141 70	
	<hr/>	\$44,634 85
Advertising and recording releases and plans for streets not constructed . . . . .		72 00
Fred S. and A. D. Gove Corporation (final payment, paving Washington street in 1909) . . . . .		2,116 57
Henry C. and Walter H. Wright, damages to estate on Mystic avenue from the recent location and con- struction of state highway . . . . .		750 00
Dennis H. Gleason, for injuries received on Highland avenue . . . . .		310 00
Books (ledger and day book) . . . . .		10 50
		<hr/>
Total debit . . . . .		<b>\$47,893 92</b>
Balance unexpended . . . . .		<hr/> <b>\$1,817 69</b>

**Highways, Paved Gutters and Crossings.**

CREDIT.		
Appropriation . . . . .	\$5,000 00	
Transfer from Sewers Construction ac- count . . . . .	1,736 12	
	<hr/>	\$6,736 12
Value of materials on hand January 1, 1910, Net gain on materials . . . . .	\$4,621 01 8 89	
	<hr/>	4,629 90
Total credit . . . . .		<hr/> <b>\$11,366 02</b>
DEBIT.		
Expenditures:—		
For paving fourteen gutters, as per table D . . . . .	\$10,408 97	
Street crossing, as per table J . . . . .	57 05	
Value of materials on hand December 31 . . . . .	900 00	
	<hr/>	
Total debit . . . . .		<hr/> <b>\$11,366 02</b>

**Highways, Watering Streets.**

## CREDIT.

## Receipts:—

Assessments and contributions from abutters . . . . .	\$33,338 20	
Value of water carts January 1, 1910 . . . . .	11,550 00	
	<hr/>	
Total credit . . . . .		\$44,888 20

## DEBIT.

## Expenditures:—

Teaming (street watering) . . . . .	\$20,062 60	
Use of city teams . . . . .	2,499 43	
Tarvia . . . . .	205 80	
Road oil . . . . .	2,167 85	
Dust preventive . . . . .	972 93	
Sal. soda . . . . .	1 50	
Hose, nipples, etc. . . . .	24 22	
Maintenance of water posts . . . . .	273 82	
Crushed stone . . . . .	25 63	
Repairs of carts . . . . .	1,056 14	
Painting carts . . . . .	632 87	
New water posts . . . . .	58 63	
Clerical work (making assessment list) . . . . .	146 67	
Books, printing, and stationery . . . . .	27 85	
	<hr/>	
	\$28,155 94	
Value of water carts and materials on hand this day . . . . .	11,473 45	
Profit and loss on water carts . . . . .	300 00	
	<hr/>	
Total debit . . . . .		\$39,929 39
		<hr/>
Balance unexpended . . . . .		\$4,958 81

**Lowell Street Bridges.**

## CREDIT.

Balance from 1909 . . . . .	\$31,567 13	
Boston & Maine Railroad, proportional cost assumed by road . . . . .	15,000 00	
Betterment assessments . . . . .	3,450 00	
	<hr/>	
Total credit . . . . .		\$50,017 13

## DEBIT.

Boston & Maine Railroad, constructing bridge . . . . .	\$18,664 51	
Labor . . . . .	1,841 05	
Use of city teams . . . . .	718 20	
Raising corn . . . . .	30 00	
Carpentering . . . . .	321 00	
Mason work . . . . .	914 12	
Plumbing . . . . .	282 34	
Furnace work . . . . .	68 81	
Changing water pipes . . . . .	699 99	
Grading yard . . . . .	34 50	
Conductor pipes . . . . .	6 73	
Lumber . . . . .	289 66	
Crushed stone . . . . .	19 31	
	<hr/>	
Amount carried forward . . . . .	\$23,890 22	

Amount brought forward . . . . .	\$23,390 22	
Lime . . . . .	1 25	
Loam . . . . .	22 50	
Ashes . . . . .	43 25	
Oil and lead . . . . .	56 75	
Hardware . . . . .	18 90	
Concreting . . . . .	60 00	
Setting glass and papering . . . . .	7 88	
Use of road roller . . . . .	4 20	
	<hr/>	
Total debit . . . . .		\$24,109 95
		<hr/>
Balance unexpended . . . . .		\$25,907 18
Amount transferred by order of the Board of Aldermen and approved December 30, 1910 . . . . .		15,000 00
		<hr/>
		\$10,907 18
		<hr/>

**Sidewalks Construction.**

## CREDIT.

Balance from 1909 . . . . .	\$66 69	
Appropriation . . . . .	12,000 00	
Transfer from Sewers Construction ac- count . . . . .	2,000 00	
	<hr/>	
Total credit . . . . .		\$14,066 69

## DEBIT.

Expenditures:—		
For thirty-eight sidewalks con- structed as per table C . . . . .	\$23,319 04	
Less assessments . . . . .	11,659 58	
	<hr/>	
		\$11,659 46
Partial abatement of assessment, estate of Thomas H. Eames, Chapel street . . . . .	16 00	
Abatement of assessment, Hamlet-street sidewalks . . . . .	179 90	
Books . . . . .	16 25	
	<hr/>	
Total debit . . . . .		\$11,871 61
		<hr/>
Balance unexpended . . . . .		\$2,195 08
		<hr/>

**Sidewalks Maintenance.**

## CREDIT.

Transfer from Highways Maintenance ac- count . . . . .	\$1,900 80	
Value of materials on hand January 1, 1910 . . . . .	6 25	
Value of materials on hand this day . . . . .	16 20	
	<hr/>	
Total credit . . . . .		\$1,923 25

## DEBIT.

Expenditures:—		
Labor, repairing sidewalks . . . . .	\$1,248 03	
Use of city teams . . . . .	276 75	
Repairing concrete . . . . .	9 00	
Sand . . . . .	37 98	
Crushed stone . . . . .	2 53	
	<hr/>	
Amount carried forward . . . . .	\$1,574 29	

Amount brought forward . . . . .	\$1,574 29	
Ashes . . . . .	4 75	
Cement . . . . .	8 45	
Loam . . . . .	0 50	
Sods . . . . .	5 00	
Edgestones . . . . .	1 39	
Bricks . . . . .	303 22	
Paving blocks . . . . .	2 70	
	<hr/>	
	\$1,900 30	
Bill receivable December 31, 1910 . . . . .	6 75	
Value of materials on hand this day . . . . .	16 20	
	<hr/>	
		<u>\$1,923 25</u>

### Suppression of Gypsy and Brown-Tail Moths.

CREDIT.		
Appropriation . . . . .	\$1,800 00	
Receipts:—		
From sundry persons, removal of moths from trees . . . . .	833 96	
	<hr/>	
Total credit . . . . .		\$2,683 96
DEBIT.		
Expenditures:—		
For labor . . . . .	\$2,115 02	
Use of city teams and teaming . . . . .	77 70	
Tools . . . . .	4 08	
Supplies . . . . .	14 21	
Books and circulars . . . . .	65 75	
Clerical work . . . . .	42 66	
	<hr/>	
Total debit . . . . .		\$2,319 42
		<hr/>
Balance unexpended . . . . .		<u>\$364 54</u>

### Suppression of Elm-Leaf Beetle.

CREDIT.		
Appropriation . . . . .		\$1,000 00
DEBIT.		
Expenditures:—		
For labor . . . . .	\$472 13	
Use of city teams . . . . .	130 90	
Walsh Brothers, spraying trees . . . . .	20 00	
Arsenate of lead . . . . .	124 75	
Repairing ladder . . . . .	3 60	
Tacks, bolts, and spring balance . . . . .	2 18	
Printing, warning signs . . . . .	3 75	
	<hr/>	
Total debit . . . . .		\$757 31
		<hr/>
Balance unexpended . . . . .		<u>\$242 69</u>



## STREET COMMISSIONER.

TABLE A.  
Streets Constructed in 1910.

STREET.	FROM	TO	MATERIAL.	LENGTH IN FEET.	COST.
Albion street . . . . .	Cedar street . . . . .	Lowell street . . . . .	Macadam and tarvia . . . . .	1,350	\$2,314 15
Alpine street . . . . .	Lowell street . . . . .	Angle . . . . .	Macadam and tarvia . . . . .	688	1,263 39
Bromfield road . . . . .	Warner street . . . . .	Dearborn road . . . . .	Macadam and tarvia . . . . .	1,262	2,180 65
Chestnut street . . . . .	Poplar street . . . . .	Southerly end . . . . .	Macadam and tarvia . . . . .	537	1,243 57
*College avenue . . . . .	Powder house square . . . . .	Davis square . . . . .	Paving bricks, macadam and tarvia . . . . .	1,940	8,397 54
Dimick street . . . . .	Calvin street . . . . .	Concord avenue . . . . .	Macadam and tarvia . . . . .	957	1,766 18
Francis street . . . . .	Porter street . . . . .	Conwell street . . . . .	Macadam and tarvia . . . . .	180	319 03
Grant street . . . . .	Jaques street . . . . .	Mystic avenue . . . . .	Macadam and tarvia . . . . .	829	1,530 45
Hamlet street . . . . .	Accepted portion in 1905 . . . . .	Expended in 1909 \$2,121.25 Boston street . . . . .	Macadam and tarvia . . . . .	165	520 00
Highland avenue . . . . .	Uncompleted portion of . . . . .	Expended in 1909 \$55,768.77 1909 . . . . .	Macadam and tarvia . . . . .	664	967 56
Kiddier avenue . . . . .	Liberty avenue . . . . .	Willow avenue . . . . .	Macadam and tarvia . . . . .	870	1,029 62
Lowell street . . . . .	Vernon street . . . . .	Albion street . . . . .	Macadam and tarvia . . . . .	401	1,822 34
Marion street . . . . .	Westerly 176 ft. from Wyatt street . . . . .	Dimick street . . . . .	Macadam and tarvia . . . . .	167	827 08
Princeton street . . . . .	Lowell street . . . . .	Catch-basin . . . . .	Macadam and tarvia . . . . .	843	340 86
*Somerville avenue . . . . .	East Cambridge line . . . . .	Medford street . . . . .	Granite paving on con- crete base . . . . .	799	13,275 03
*Somerville avenue . . . . .	Lowell street . . . . .	Junction of Elm st. and including Oak square . . . . .	Granite paving grouted with tarvia . . . . .	85	12,851 05
Vernon street . . . . .	Lowell street . . . . .	Easterly to catch-basin . . . . .	Macadam and tarvia . . . . .	11,737	128 05
* Reconstructed with permanent pavement.			Length in feet, and cost . . . . .	11,737	\$50,776 55

**TABLE B.**  
**Streets Repaired.**

STREET.	FROM	TO	DESCRIPTION OF WORK.	FEET.	COST.
Allen street . . . . .	Somerville avenue . . . . .	Charlestown street . . . . .	Macadam and tarvia . . . . .	640	\$199 42
Broadway . . . . .	at . . . . .	Powder house square . . . . .	Macadam and tarvia . . . . .	450	1,103 20
Central street . . . . .	Railroad bridge . . . . .	Highland avenue . . . . .	Macadam and tarvia . . . . .	720	1,500 41
Chester street . . . . .	Orchard street . . . . .	Cambridge line . . . . .	Old macadam . . . . .	220	23 15
Elm street . . . . .	Oak square . . . . .	Cedar street . . . . .	Old macadam . . . . .	895	140 63
Grant street . . . . .	Broadway . . . . .	Jaques street . . . . .	Macadam and tarvia . . . . .	576	505 92
Irving street . . . . .	Broadway . . . . .	Holland street . . . . .	Macadam and tarvia . . . . .	1,180	1,211 94
Mystic avenue . . . . .	Boston line . . . . .	(between tracks extra width.)			
Orchard street . . . . .	Day street . . . . .	Union street . . . . .	Granite paving . . . . .	333	166 98
Perry street . . . . .	Washington street . . . . .	Chester street . . . . .	Old macadam . . . . .	410	95 34
Porter street . . . . .	Highland avenue . . . . .	Lincoln Parkway . . . . .	Macadam and tarvia . . . . .	606	1,033 16
South street . . . . .	Medford street . . . . .	Summer street . . . . .	Macadam and tarvia . . . . .	820	939 95
Somerville avenue . . . . .	Oak square . . . . .	Water street . . . . .	Old macadam . . . . .	989	42 95
Walnut street . . . . .	Gilman street . . . . .	Beacon street . . . . .	Old macadam and tarvia . . . . .	900	1,354 25
		Medford street . . . . .	Macadam and standard asphalt . . . . .	230	497 13
	Length in feet, and cost . . . . .			8,969	\$8,814 43

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	FEET OF EDGESTONES.	YARDS OF BRICKS.	YARDS OF GRANOLITHIC.	COST.
Albion street . . .	Southwesterly . . .	Cedar street . . .	Lowell street . . .	1,339.3	....	....	\$1,362 96
Albion street . . .	Northeasterly . . .	Cedar street . . .	Lowell street . . .	1,341.9	....	....	1,253 86
Alpine street . . .	Both . . .	Lowell street . . .	Westerly to catch- basin in said street	575.6	....	....	498 08
Alpine street . . .	Both . . .	{ From sidewalk or- dered May 12, 1910	Remaining portion of street where not already laid	805.8	....	....	887 76
Beech street . . .	. . .	In front of estate of .	Thos. Sharry, No. 567-A Som'ile ave.	....	49.4	....	49 73
Benton road . . .	Southeasterly . . .	Highland avenue . . .	Where not already laid to Westw'd rd.	....	....	305.2	424 62
Bradley street . . .	Both . . .	Pearl street . . .	Veazie street . . .	....	470.4	....	581 03
Bromfield road . . .	Both . . .	In front of estate of .	Warner street . . .	....	....	123.8	229 17
Bromfield road . . .	Both . . .	Warner street . . .	Dearborn road . . .	2,554.2	....	....	2,303 69
Broadway . . .	Southwesterly . . .	Rogers avenue . . .	Where not already laid to Liberty ave.	....	....	728.1	1,274 05
Chestnut street . . .	Both . . .	Poplar street . . .	Southeastly end of st.	1,058.3	....	....	1,122 28
Essex street . . .	Southeasterly . . .	Medford street . . .	Richdale avenue . . .	....	152.8	....	161 49
Francis street . . .	Both . . .	Porter street . . .	Conwell street . . .	357.6	....	....	345 69
Glen street . . .	Both . . .	In front of estate . . .	No. 156 Tufts street . . .	....	42.0	....	45 24
Grant street . . .	Both . . .	Jaques street . . .	Mystic avenue . . .	1,585.4	....	....	1,406 19
Hamlet street . . .	Both . . .	{ From accepted por- tion Dec. 30, 1895	Boston street . . .	303.5	....	....	359 80
Highland avenue . . .	Southwesterly . . .	Eastman road . . .	No. 284 Highland ave.	....	161.6	....	194 37
			Carried forward	9,921.6	876.2	1,157.1	\$12,500 01

TABLE C. — Concluded.

STREET.	SIDE.	FROM	TO	FEET OF EDGESTONES.	YARDS OF BRICKS.	YARDS OF GRANOLITHIC	COST.
Highland avenue	Southwesterly	Conwell street	Brought forward	9,921.6	876.2	1,157.1	\$12,500.01
Jay street	Southerly	Holland street	No. 274 Highland ave.	....	158.9	....	211.30
Jasper street	Easterly	Pearl street	Westerly about 112 ft.	....	....	74.9	83.85
Kidder avenue	Both	Liberty avenue	Gilman street	....	....	166.2	258.43
Lowell street	Both	Albion street	Willow ave. (where not already laid)	1,149.8	....	....	1,077.13
Lowell street	Easterly	Medford street	Vernon street (where not already laid)	1,308.9	....	....	1,268.31
Lowell street	Northwesterly	Highland avenue	Vernon street	....	595.6	....	691.63
Marion street	Both	{ Accepted portion } laid in 1902	Albion street	....	267.8	....	310.36
Medford street.	Northeasterly	In front of estate of	Dimick street	751.6	....	....	834.50
Museum street.	Northerly	In front of estate of	Thomas Kilmartin, Nos. 515½ and 517	....	51.3	....	57.65
Mystic street	.....	In front of estate of	S. P. Clark, No. 113	23.6	....	....	27.44
Oxford street	Southwesterly	School street	Mary M. Shedd, No. 19	....	60.1	....	63.58
Princeton street	Both	Lowell street	Benedict street	....	409.0	....	478.57
Richdale avenue	Northeasterly	School street	Hersey street	332.7	....	....	346.99
Summer street.	Northeasterly	Willow avenue	Catch-basin	....	517.6	....	639.62
Sycamore street	Northwesterly	Highland avenue	Sycamore street	....	....	457.6	657.99
Sycamore street	Easterly	Medford street	Hancock street	....	....	191.0	295.83
Tennyson street	Both	Holland street	to and including estate No. 22	....	....	212.1	282.57
Thorndike street	Southeasterly	Broadway	Pembroke street	....	278.6	....	307.33
Warner street	Northwesterly	Broadway	Pembroke street	....	....	622.3	782.60
Willow avenue	Northwesterly	Broadway	Subway entrance	337.2	....	272.1	784.75
			Medford line	....	....	724.2	1,358.60
			Fosket street	....	....	....	....
			Total	13,825.4	3,215.1	3,877.5	\$23,319.04

**TABLE D.**  
**Gutters Paved in Connection with Setting Edgestones.**

STREET.	Side.	From	To	Square Yards.	Cost.
Albion street	Both	Cedar street	Lowell street	893.7	\$1,930.61
Alpine street	Both	Lowell street	Westerly to catch-basin	191.9	470.49
*Alpine street	Both	Catch-basin	To angle	268.6	611.12
Bromfield street	Both	Warner street	Dearborn road	851.4	1,843.55
Chestnut street	Both	Poplar street	Southerly end	352.8	848.36
Francis street	Both	Porter street	Conwell street	119.2	324.52
Grant street	Both	Jaques street	Mystic avenue	528.5	1,131.14
Hamlet street	Both	{ Accepted portion December, 1905	Boston street	101.2	332.69
Kidder avenue	Both	Liberty avenue	Willow avenue	383.3	908.59
*Lowell street	Both	Albion street	Vernon street	436.3	857.08
Marion street	Both	{ Accepted portion June, 1902	Dimick street	250.5	671.89
Museum street	Northerly	In front of estate No.	113	7.8	16.71
Princeton street	Both	Lowell street	Westerly to catch-basin	110.9	235.75
Warner street	Southeasterly	Broadway	Medford line	112.4	226.47
			Total	4,608.5	\$10,408.67

\*Where not already laid.

**TABLE E.**  
**Driveways Constructed at Expense of Abutters.**

FOR	LOCATION.
Albert C. Ashton . . . . .	33 Columbus avenue
David B. Armstrong . . . . .	106 Perkins street
J. Fred Berry . . . . .	2 Westwood road
Heirs of Austin Belknap . . . . .	Albion street, r. 112 Central st.
Builders' Iron and Steel Co. . . . .	Somerville avenue
H. W. Coaker . . . . .	76 Curtis street
Winslow W. Coffin . . . . .	186 Broadway
Heirs of David W. Crocker . . . . .	Dover street
Joseph Cohen . . . . .	Rogers avenue
James L. Duncan . . . . .	217 Willow avenue
Neils A. Dolleris . . . . .	66 and 68 Dover street
Alex. S. Ford . . . . .	207 Tremont street
J. Rush Green . . . . .	11 Cambria street
Herbert E. Gustin . . . . .	23 Dartmouth street
Freeman B. Horsman . . . . .	32 Francesca avenue
Laura F. Jordan . . . . .	Hancock st., r. 322 Highland ave.
Lizzie B. Kraetzer . . . . .	138 Central street
Dr. Wesley T. Lee . . . . .	Grant street, rear 281 Broadway
Robert Luce . . . . .	Oxford st., r. 140 Highland ave.
Lucy M. McLoud . . . . .	51 Bartlett street
Matilda M. McColgan . . . . .	85 Partridge avenue
Seymore T. Myers . . . . .	258 Willow avenue
Charles C. Newcomb . . . . .	37 Heath street
Isabell J. Perkins . . . . .	4 Essex street
C. F. Philbrick . . . . .	232 Willow avenue
Fred C. Rand . . . . .	35 Banks street
W. French Smith . . . . .	Laurel st., rear 126 Summer st.
Lydia M. Sturtevant . . . . .	31 Warren avenue
Addie C. True . . . . .	120 College avenue
Samuel A. Vanner . . . . .	7 Thurston street
James Wallace . . . . .	29 Harrison street

**TABLE F.**  
**Driveways Discontinued at Expense of Abutters.**

FOR	LOCATION.
Leonard B. Chandler . . . . .	45 Jaques street
Carrie M. Haber . . . . .	39 Irving street
William G. Jaques . . . . .	15 James street
J. T. McTierman . . . . .	26 School street
Lillian M. Tibbetts . . . . .	223 Morrison avenue

**TABLE G.****Driveways Widened at Expense of Abutters.**

FOR	LOCATION.
Harry Gavel . . . . .	55 Vernon street
North Packing and Provision Co. . . . .	Medford street
Dr. Charles E. Parkhurst . . . . .	79 Walnut street
Francis M. Wilson . . . . .	Sycamore st., r. 137 Highland av.

**TABLE H.****Driveways Re-located at Expense of Abutters.**

FOR	LOCATION.
John P. Squire & Co. . . . .	Somerville avenue .
Morris Silverman . . . . .	79 Webster avenue

TABLE I.  
Streets Accepted by the Board of Aldermen in 1910.

STREET.	WARD.	FROM	TO	WIDTH IN FEET.	LENGTH IN FEET.	ACCEPTED.
Fairmount avenue . . . . .	7	Curtis street . . . . .	Its entire length . . . . .	40	679	December 23, 1910
Hill street . . . . .	7	Broadway . . . . .	Fairmount avenue . . . . .	40	284	December 23, 1910
Lawrence street . . . . .	5	Hinckley street . . . . .	Boston & Lowell R.R. . . . .	35	502	December 23, 1910
Paulina street . . . . .	7	Broadway . . . . .	Holland street . . . . .	40	769	December 23, 1910
Victoria street . . . . .	7	Broadway . . . . .	Cambridge line . . . . .	40	1,036	December 23, 1910
West street . . . . .	5	Broadway . . . . .	Heath street . . . . .	30	353	December 23, 1910
			Length in feet . . . . .		3,623	



**TABLE J.**  
**Street Crossing Laid.**

**GRANITE FLAGGING.**

Tufts street, across same, from southerly side of Dell street.

**TABLE K.**  
**Street Openings.**

Street opening, Electric avenue, at Packard avenue.

Street opening, Liberty road, at Appleton street and Morrison avenue.

Street opening, Mason street, at Broadway.

Street opening, Whitman street, at Packard avenue.

**Length of Accepted Streets in Each Ward.**

	Miles.
Ward 1 . . . . .	9.494
“ 2 . . . . .	8.533
“ 3 . . . . .	7.479
“ 4 . . . . .	9.390
“ 5 . . . . .	11.535
“ 6 . . . . .	12.447
“ 7 . . . . .	16.986
	<hr/>
Total length of accepted streets in the city . . . . .	75.864

Respectfully submitted,

ASA B. PRICHARD,  
Street Commissioner.

## REPORT OF COMMISSIONER OF PUBLIC BUILDINGS.

OFFICE OF COMMISSIONER OF PUBLIC BUILDINGS, }  
CITY HALL, SOMERVILLE, January 1, 1911. }

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

Gentlemen,—The year 1910 completes a decade during which the writer of this report has been connected with the work of caring for and the maintenance of the public buildings of this city,—seven years acting in the capacity of Commissioner of Public Buildings and three years as assistant.

The numerous and interesting problems which have arisen for solution during this term of years have been given his most careful consideration and attention, in so far as his limited ability and time have allowed. If he has in any way failed to properly solve any of these problems, he has, at least, the satisfaction of knowing that he has given the best that was in him during this term of office just past. He does know that the experience gained through his connection with the above-mentioned work has been of great value and has prompted a renewed effort to render more efficient service in the future, if possible. The amount of detailed work connected with the Department of Public Buildings has grown constantly, and with this growth the department has gradually systematized its records and office arrangements until, at the present time, a satisfactory record is kept of its inner workings. The following will show the system of requisition and delivery cards, etc. :—

### Temperature Card ROOMS

Outside Temp.	Day	Hour	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
	MON.	9.30																		
		10.30																		
		1.45																		
		2.30																		
	TUES.	9.30																		
		10.30																		
		1.45																		
		2.30																		
	WED.	9.30																		
		10.30																		
		1.45																		
		2.30																		
	THUR.	9.30																		
		10.30																		
		1.45																		
		2.30																		
	FRI.	9.30																		
		10.30																		
		1.45																		
		2.30																		

Signed

**Janitor's Requisition Card**

REQUISITION

Somerville, Mass. \_\_\_\_\_ 19

COMMISSIONER OF PUBLIC BUILDINGS

Please furnish the \_\_\_\_\_ as follows

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Signed

**Supply Delivery Card**

SUPPLIES DELIVERED

SCHOOL

Date

By

---



---



---



---



---



---



---

Received by

---



---

**School Requisition Blank**

CITY OF SOMERVILLE, MASS.

No. \_\_\_\_\_ School \_\_\_\_\_ 19

Superintendent of Schools:

A need exists for the following in this school building:—

---



---

Principa

Approved \_\_\_\_\_



ings Department in city affairs, which he feels is not always understood. The present commissioner has performed this latter duty simply because of his architectural training and has done so willingly and feels that the appreciation shown him by the public has more than compensated him for his efforts along this line.

**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 1910 has made 1,450 formal inspections of buildings in course of construction.

On November 12, 1909, a new ordinance regulating the construction of buildings was approved by the mayor. These changes made it necessary for the inspector of buildings to bring to the attention of the buildings trades the new requirements. After a year's trial of the new ordinances I would report at this time that the changes made have caused no criticism and seem to be satisfactory.

Perhaps the most radical change made was the regulation regarding the covering of roofs. Several prosecutions were made on account of the violations of this provision and convictions gained. One case, however, has been carried to the supreme court of Massachusetts, and a decision is now awaited as to the constitutionality of the ordinance, which has been questioned by the defendant.

The following table shows the number of permits issued for building operations during the year 1910 :—

Buildings.	WARDS.							Totals.
	1	2	3	4	5	6	7	
Dwellings . . . . .	10	15	15	22	37	38	77	214
Stores . . . . .	2	1	1	2	2	2	4	14
Stables . . . . .	1	1	1	1	1	2	1	8
Shops . . . . .	1	2		1		1	1	6
Manufactories . . . . .			1			1	1	3
Brick or Concrete . . . . .	3	4	1		5	2	4	19
Miscellaneous . . . . .	4	7	7	8	8	19	21	74
<b>Total</b>	<b>21</b>	<b>30</b>	<b>26</b>	<b>34</b>	<b>53</b>	<b>65</b>	<b>109</b>	<b>338</b>

The number of plumbing permits issued during the year was . . . . . 254  
 Permits for plumbing in new buildings . . . . . 170  
 Permits for plumbing in old buildings . . . . . 184  
 Number of buildings in which soil pipes were tested . . . . . 286

The total number of permits issued during the year, viz., 338, was thirty-five less than during the year 1909, when 373 permits for new buildings and alterations were issued. The total cost of the new buildings and alterations during the year 1910 was \$930,860.00, while the cost in 1909 was \$1,443,729.00, showing a decrease of \$512,869.00.

### **School Hygiene.**

The care of the 12,131 pupils and the 340 teachers who occupy the school buildings forty weeks during the year, from a hygienic standpoint, is a very important and at times a perplexing problem. The responsibility of the proper housing of this army of teachers and pupils is placed on the shoulders of the commissioner of public buildings. The city of Somerville has as liberally as financial conditions permitted replaced in the older and installed in the newer buildings modern systems of fresh air supply, sanitation, heating and ventilating, lighting, drinking fountains, dust control, color scheme, and supervision of temperature, all of which are absolutely essential to the health and comfort of the occupants.

**Sanitation.** Every school building in the city is now provided with some form of a flushing sanitary system. The utmost vigilance is required to keep in a healthy condition the many toilet rooms of the city schools. Through the plumbing inspection branch of the Public Buildings Department a systematic inspection of these rooms is made from week to week and careful attention given to necessary repairs and replacements. The single recommendation which I have to make in this report is the substitution at the Durell school of individual flush closets for the flushing Latrine system now in use there.

**Heating and Ventilating.** Twenty-five school buildings are successfully equipped with heating and ventilating plants,—and three buildings, viz., the Morse, Davis, and Cummings schools, are still heated by furnace systems. Although it is possible to furnish sufficient heat by means of these furnaces it requires constant attendance and a large amount of fuel to do so. The ventilation of the above-named buildings is not altogether satisfactory for the same reason. I therefore recommend that some immediate step be taken to install in all these buildings modern systems of heating and ventilating.

**Lighting.** By an order passed by the board of aldermen on December 15, 1910, it was voted to appropriate the sum of \$1,900.00, the same to be used for the installation of additional window space in the various buildings where the same is needed.

This work, when completed, will provide additional glass area in these rooms, which is much needed. The artificial lighting of the school buildings is by gas and electricity. As fast as possible electric lighting is being installed to replace the gas. Early in the year 1910 the commissioner of public buildings began an investigation of the matter of an independent lighting plant for the high schools. He has not as yet arrived at an altogether satisfactory conclusion, and the matter is still being considered.

**Drinking Fountains.** The city of Somerville was one of the first municipalities to adopt a system of bubble fountains in its public schools. During the summer of 1909 forty bubbling fountains were installed. The method of installation was, in some respects, original with the present commissioner, and the department received much favorable comment from outside health authorities for its foresight in this direction. In the general court of the Commonwealth of Massachusetts a bill was approved April 22, 1910, and went into force October 1, 1910, making it obligatory for cities to abolish the common drinking cup. The only alternative was, therefore, the bubbling fountain. In consequence of this law and after a successful trial of the appliance the equipment was added to during the summer of 1910. At the present time every school building in the city is equipped with this device.

**Dust Control.** The ideal system for the elimination of the dust evil is the vacuum system, permanently installed in each building. None of our buildings are as yet equipped with this system and the large expenditure required would make it prohibitive at the present time. The Public Buildings Department has, however, attempted to eliminate this evil, so far as is possible, by the use of floor sweeping compounds and floor sprays. These methods, although not altogether satisfactory, have improved greatly the conditions heretofore existing, at a comparatively small expense.

The department has, in its equipment, a portable vacuum cleaning machine, run by electric power, which is used in special cases of need. It is the intention of the commissioner to further study this problem in order to eventually recommend modern methods for accomplishing this work.

**Color Scheme.** An important matter in schoolroom care is the color scheme for wall decoration. As rapidly as possible the rooms in the various school buildings have been decorated by the use of tints which would be pleasing as well as non-injurious to the eyes of the pupils. In this regard the matter of strong light, direction, amount of sunlight and glass area must

be considered in order that the colors used shall be satisfactory. This work will be continued as far as financial conditions permit.

**Temperature Supervision** During the school year a record is kept each day of the temperature of the schoolrooms. This temperature is taken four times daily, viz., at 9.30, 10.30, 1.45, and 2.30,—is entered on a card provided for the purpose by this department, and is delivered at the office of the commissioner of public buildings on Saturday of each week. By this record the commissioner is able to note any extraordinary variation of temperature which might occur. In case of above discovery an investigation is made and steps taken to remedy the situation.

The above-mentioned matters are of the utmost importance to the health and comfort of the teachers and pupils of our public schools and I wish to call your especial attention to this fact, and to request your co-operation in this important branch of the work of the Public Buildings Department.

#### **Police Building.**

Early in the year 1910 drawings were prepared by the commissioner showing proposed changes in the police building. The drawings prepared called for such changes as would provide better accommodations for the police court and the clerk of courts. By this arrangement the court rooms were to be located on the third floor of the building, occupying the space which at present is unused. The space vacated on the first floor by the court was to be assigned to the offices for the clerk of the police court, and in addition to a commodious office for the transaction of public business, a private office for the clerk was shown, together with vaults and toilet rooms. The court room floor provided for two new court rooms, with adjoining rooms for the accommodation of judges, counsel, witnesses, and the public. A small addition on the westerly side of the building was shown in which was to be located a new fireproof stairway leading from the ground floor to the third or court room floor. A passenger elevator was also shown for the public to use in reaching the court from the street. Provision was made so that the judges and clerks might reach their respective quarters on the third floor by means of the elevator and not come in contact with the public, which seems desirable in a court building. An elevator was also shown to provide for taking persons under arrest to the court room dock from the city prison in the basement. These drawings were shown to the commissioners of Middlesex county by the mayor and the commissioner of public buildings, accompanied by suggestions that if the commissioners desired the changes made, an in-



creased rental would be required by the city. Up to the present time no agreement has been reached in the matter. In connection with this building it is imperative that some immediate action be taken to improve the prison accommodations. The present cells should be abolished and modern steel cells installed.

I would therefore recommend that the question of police building changes be considered as a whole at an early date.

### **Somerville Bathing Beach.**

The Somerville bathing beach has, since its beginning in 1908, been maintained and managed under the supervision of the Public Buildings Department. The patronage of this, one of the city's best and most popular offerings to its citizens, has continually increased until it has grown to be an institution which requires from the commissioner a great deal of attention and careful supervision. During the season of 1910, which began on June 25 and ended on September 17, the estimated number of persons who availed themselves of the bathing privileges was 18,000. A large proportion of the attendance was made up of children under fifteen years of age. This fact made it necessary to exercise the greatest care in watching, continually, their movements while in the water. The fact that the season closed without any serious accident to mar the good record of previous seasons at the beach was a cause for commendation of the work of the life guard and the attendants. The life guard position was filled by Mr. E. P. Fitzgerald. The assistants were Mr. Mark Hurley, Mr. Warren Hanscom, and Mr. Joseph S. Pike, Jr.

The matron appointed to care for that part of the beach used by the women and girls was Mrs. T. T. Taylor. Mrs. Taylor's work as matron was of great assistance in the management of the beach, her work being of great value both in the attendance upon the bathers and especially in the cases needing urgent attention where the women or girls were taken from the water. The bath house was equipped with a liberal number of suits suitable for both sexes and, except in extremely warm weather, all bathers were taken care of without difficulty. A large proportion of the beach patrons provide their own suits, and those who live in close proximity use their own homes for dressing purposes. A large majority, however, call upon us for dressing rooms, and it is in this matter that we find the greatest embarrassment. The present building is provided with twenty-four compartments for men and twenty-four for women. In addition to these there is a room which accommodates thirty-two girls below the age of ten years, a room in which forty boys may leave their clothes, on hooks, a room (formerly for boys) which we were obliged to take for an overflow

room for the men bathers. The bathing beach has demonstrated during the three years of its existence that it ought to be made a permanent institution by the city. It would seem, therefore, that an effort should be made to acquire as much of the shore of the river as will allow the construction, in the future, of a permanent building. If this is accomplished I am sure that such an improvement will be greatly appreciated by the entire city both as a pleasure and a health resort.

#### Polling Booths.

During the year three portable polling booths were constructed for the use of the election department. These booths were located at the Lincoln and Cummings school buildings and at Powder House square, and were used at the fall elections. They have proved satisfactory according to the report of the city clerk, who believes that it would be advisable to also construct at least three more during the coming year. The cost of the three booths was \$1,783.14.

#### Tuberculosis Camp.

On September 8, 1910, an order was passed by the board of aldermen appropriating the sum of \$8,000 for the construction of a tuberculosis camp on land owned by the city adjacent to the Contagious hospital. This order was approved by Mayor John M. Woods on September 19, 1910, plans and specifications were prepared by the commissioner of public buildings, and on October 11, 1910, the following estimates were opened by his honor, the mayor, for the general construction of the building :—

H. S. Libbey & Co. . . . .	\$7,265 00
F. C. Alexander & Co. . . . .	7,171 00
J. E. L. McLean & Co. . . . .	7,087 00
E. N. Hutchins . . . . .	6,780 00
J. E. Locatelli & Co. . . . .	6,321 00
J. M. Andrews & Son . . . . .	6,200 00
A. W. Berry . . . . .	5,996 00
A. M. Pride . . . . .	5,647 00

The contract was awarded to A. M. Pride, the lowest bidder. On December 24 the following estimates were received and were opened by his honor, the mayor, for the heating and ventilating of the camp :—

Bradlee & Chatman . . . . .	\$869 00
Richardson Brothers . . . . .	869 00
Huey Brothers . . . . .	847 00
Whitten & Jackson . . . . .	817 00
Isaac Coffin & Co. . . . .	776 00
A. A. Sanborn & Co. . . . .	693 00
J. J. Hurley & Co. . . . .	670 00

The contract was awarded to Messrs. J. J. Hurley & Co., who were the lowest bidders.

On December 14, 1910, estimates were received and opened by his honor, the mayor, for the installation of the sanitary system at the camp, and were as follows :—

Leavis & Doherty . . . . .	\$819 00
J. J. Fisher . . . . .	784 00
Armstrong Brothers . . . . .	747 00
C. W. Cahalan . . . . .	721 00
D. A. Carr . . . . .	698 00

The contract was awarded to D. A. Carr, who was the lowest bidder.

The construction of the building has progressed satisfactorily and is now nearing completion. When completed this building will provide accommodations for twenty-four patients. It is designed to allow for outdoor living as much as possible, and the experience of our neighboring cities in this work has been sought in order to have as nearly as possible an ideal building for this purpose.

#### **Davis Vocational School.**

The Davis school building has been fitted as a vocational school for boys and is now occupied for this purpose. This department has had the work in charge of furnishing the permanent equipment for the school. This equipment consisted of machinery for the wood working and machine shop together with the motors and shafting for operation of the same.

#### **High School Sanitation.**

During the summer vacation of 1910 the sanitariums in the Latin high school were removed and a new system of modern fixtures substituted. The changes made not only provided modern sanitary appliances but increased to a great extent the accommodations. In the English high school the sanitary system was added to by the increase of closets and urinals in the basement. The installation of forty bubbling fountains in the high schools was also accomplished as a part of this improvement in sanitation.

#### **Vault Furniture.**

The city has been ordered by the commissioner of public records to substitute for its vault furniture, which is now of combustible material, such furniture as shall comply with the state requirements. Inasmuch as this order has been given it seems imperative that during the year 1911 the changes should be made. I would therefore call your attention to this fact, and request your consideration of the same.

### Insurance.

In 1900, by an act of the city council, it was voted to cancel all fire insurance policies, and since that time no insurance has been carried by the city on its public buildings. By this action a large sum of money has been saved the city for fire insurance. Fortunately none of the public buildings of the city have been damaged by a serious fire.

This fact does not indicate, however, that such a calamity might not occur. It seems, therefore, to the commissioner, that it would be proper and wise to secure legislation during the year 1911 permitting the setting aside of a certain amount of money from the maintenance funds to be the nucleus of a sinking fund to be kept intact to meet expense caused by fire damage should the necessity arise. To this fund could be added each year a like amount until a substantial fund be established.

### Additional Land.

The following parcels of land have been purchased or taken by right of eminent domain during the years 1909 and 1910, for the purpose of increasing the land areas around the school buildings :—

	Feet.
Hanscom school . . . . .	4,011
Brown school . . . . .	6,640
Bennett school . . . . .	5,714
Hodgkins school . . . . .	27,412
Carr school . . . . .	9,930

In addition to these parcels 19,850 feet of land was taken on Powder House boulevard near Curtis street for the purpose of providing a site for the erection of a school building in Ward Seven.

The additional land taken around the existing school buildings has made a vast difference in the light of the schoolrooms and has provided exceptionally fine areas for school yards.

### General Care and Repair.

It is often asked of the commissioner of public buildings why such a large sum of money is required to care for and keep in repair the fifty public buildings and grounds of the city. During the year 1910 there was expended for this purpose ninety-nine thousand five hundred and sixty-nine dollars and forty-five cents (\$99,569.45) by the Public Buildings Department. This amount includes fuel, lighting, telephones, janitors' service, care and repair.

The total estimated valuation of the public property cared for by the above stated amount was \$1,850,000.00. It cost, therefore, five and seven eighteenths (5 7-18) per cent. of the total valuation to care for and repair the public property of the

city which is in charge of the Public Buildings Department. This percentage is not an extravagant one, particularly when it is taken into consideration that a majority of the buildings have been constructed a great many years and that all have had constant use during their period of existence. It is absolutely impossible for the inexperienced person to realize the large number of urgent calls for repairs and the vigilance required to make these buildings comfortable and safe for their occupants. The present commissioner would like to care for this city's public property at a lesser expenditure, but the demands made are so numerous and the necessity so great that, in spite of the strictest economy, it seems impossible to do so. The actual work executed in this regard is so executed only after an investigation of each individual case as to its absolute need.

Respectfully submitted,

WALTER T. LITTLEFIELD,  
Commissioner of Public Buildings.

# REPORT OF THE COMMISSIONER OF ELECTRIC LINES AND LIGHTS.

OFFICE OF COMMISSIONER OF ELECTRIC LINES AND LIGHTS, }  
January 1, 1911. }

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

Gentlemen.—I most respectfully submit my annual report  
as commissioner of electric lines and lights for the year ending  
December 31, 1910.

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.**

Inspection of electrical wiring in buildings has been given  
the same careful attention as last year. There is still some  
wiring done by incompetent persons who not only fail to  
notify this department when work is done, but the class of  
work which they do necessitates several inspections to insure  
a compliance with the rules. The reliable contractors and  
electricians, however, have co-operated with this department,  
and a much better class of work has resulted than heretofore.  
Each year there is a marked improvement in wiring and elec-  
trical fittings, and every endeavor is being made to render in-  
stallations of electrical apparatus as safe as possible to users  
of electric current, and to guard against fires resulting from  
defective wiring. Owners and occupants of buildings using  
electric current should see that proper notifications of any  
new work or alterations in the old are sent to the inspection  
department, and that such work is approved before using the  
same. Until a system of licensing of electricians doing work  
in the city is provided, the only protection that the public  
has against improper work is the inspection department, and  
a strict compliance with all rules and regulations is insisted  
upon from any and all persons doing wiring in the city. A  
number of defective installations were remedied this last year,  
but there are still numerous places where such installations  
should be brought up to standard requirements.

Number of notifications of new work received . . . . .	803
Number of inspections of new work . . . . .	770
Number of re-inspections of new work . . . . .	352
Number of inspections of old work . . . . .	102
Number of defective installations of old work . . . . .	88
Number of defective installations remedied . . . . .	23
Number of re-inspections of old work . . . . .	57
Total number of inspections . . . . .	1,281
Number of permits issued to the Edison Electric Illuminating Company for installing meters, lamps, etc. . . . .	540
Number of incandescent lamps . . . . .	6,621
Number of arc lamps . . . . .	10
Number of motors . . . . .	84
Horse power motors . . . . .	224

**Construction, Etc., of Fire and Police Alarm Systems.**

**FIRE ALARM SYSTEM.**

This system has given good service during the past year, 238 alarms having been transmitted correctly. There are 119 signal boxes which are inspected on an average of once a month, and are found to be in good condition. By the constant inspection which is maintained of all wires and equipment, defects in the system are detected and remedied at once, thereby insuring the proper transmission of an alarm when a box is pulled. The fire alarm equipment consists of the following: 119 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, 494 cells of storage battery, and about 140 miles of overhead wire and 29,732 feet of underground cable.

Two new signal boxes have been added during the year:—

Box 241, corner of Calvin and Dimick streets.

Box 411, corner of Mossland and Elm streets.

Eleven keyless doors have been placed on signal boxes in place of the plain key doors.

There has been 15,700 feet of No. 10 triple braid-covered wire run and 3,100 feet of twisted pair copper wire for telephones, etc. Eleven thousand six hundred and fifty feet of old wire has been replaced by new covered wire. One thousand four hundred feet of old twisted pair has been replaced by new. Eight thousand six hundred and eighty-six feet of lead cable, consisting of two, six, eight, ten, twelve, fourteen, twenty, and forty-four conductors, have been placed underground on Medford street from the central fire station to Magoun square and on Walnut street from Medford to Pearl street, and thirteen and one-half miles of overhead wires removed. The placing of wires underground should be carried along as fast as possible, the efficiency of the signal systems being increased with every mile of underground cable installed. A new line has

been run connecting with the Boston fire alarm, whereby all the alarms in Boston are received in the Somerville fire houses. Cambridge and Medford alarms are also received in Somerville and Somerville alarms are transmitted to Boston, Cambridge, and Medford, and in a short time it is expected that like connections will be made with Arlington. This is a step towards establishing a Metropolitan fire alarm system.

#### POLICE SIGNAL SYSTEM.

The police signal system has received its usual attention. This system, being next in importance to the fire alarm, should be replaced by a new and approved system, as it is impossible to obtain perfect results from the old signal boxes and apparatus now in use. The present system was installed over twenty years ago, and constant attention and repairs are necessary to keep it anywhere near the condition necessary for satisfactory results. As there are about 700 duty calls, 125 telephone calls, and five wagon calls per day, it is absolutely necessary that the police signal system should be as near perfect as possible to enable police officers to get into communication with the station without any delay.

#### Supervision of Poles and Wires on the Streets, and Underground Conduits and Wires.

Careful attention has been given to the condition of poles and wires on the streets as in the past, and notification immediately given the companies owning them when found defective. All such notices have received fairly prompt attention. A large number of defective poles have been replaced or removed, and new poles placed in locations granted.

	New Poles.	Re-placed.	Re-moved.	Re-set.
New England Telephone & Telegraph Co. . . . .	31	21	140	9
Edison Electric Illuminating Co. . . . .	34	121	78	11
Boston Elevated Railway Co. . . . .	172		1	
American Telephone & Telegraph Co. . . . .		1		
Permits given to New England Telephone & Telegraph Co. for attachments to Edison Electric Illuminating Co.'s poles . . . . .				589
Permits given to Edison Electric Illuminating Co. for attachments to New England Telephone & Telegraph Co.'s poles, . . . . .				37

The New England Telephone and Telegraph Company has removed all its remaining wires on Broadway to the Arlington line, and also most of its wires on Highland avenue, Pearl and Medford streets, and has removed all of its poles on Broadway and part of Medford street. The Edison Electric Illuminating Company has removed all of its wires on Broadway as far as Teele square, and all its high tension wires on Willow avenue have been placed underground.



The Boston Elevated Railway Company has located iron poles on Broadway, from Bartlett street to the Arlington line, for span and feed wires.

**Street Lighting.**

The lighting of the streets of the city is satisfactory, but additional lights could be placed in various sections to good advantage. The rates for street lighting are as follows: 425 watt arc lamps, \$36 each per year, and one and one-half cents per hour per lamp; forty candle power incandescent, \$10.80 each per year, and one-quarter cent per hour per lamp. On these prices a discount of ten per cent. is made. There is also a discount of one cent per hour for incandescents, and five cents per hour for arc lamps for outages.

On some streets which are lighted by arc lamps an equivalent of incandescent lamps could be substituted which would distribute the light more evenly.

	Arcs.	Incan- descents.
Number of street lights January 1, 1910 . . . . .	490	678
Number of street lights added, 1910 . . . . .	12	52
Number of street lights discontinued . . . . .	8	5
Number of street lights December 31, 1910 . . . . .	494	725

**Electrical Department.**

CREDIT.

Appropriation . . . . .	\$8,500 00	
Edison Electric Illuminating Co., grounding wires . . . . .	250 00	
Charles E. Woodman, old horse . . . . .	50 00	
	<hr/>	
Total credit . . . . .		\$8,800 00

DEBIT.

Salaries . . . . .	\$5,465 45	
Fire alarm system . . . . .	1,224 97	
Police signal system . . . . .	1,079 38	
Inspection of Electrical Department . . . . .	1,020 67	
	<hr/>	
Total debit . . . . .		8,790 47
		<hr/>
Balance unexpended . . . . .		\$9 53

**Underground Construction.**

CREDIT.

Appropriation . . . . .	\$3,000 00	
Balance unexpended, 1909 . . . . .	928 90	
Transferred from Sewers Construction . . . . .	400 00	
Material, etc., used by Electrical Department . . . . .	300 00	
	<hr/>	
Total credit . . . . .		\$4,628 90

	DEBIT.	
Labor . . . . .		\$887 95
Materials . . . . .		3,438 18
Incidentals . . . . .		33 40
		<hr/>
Total debit . . . . .		4,359 53
		<hr/>
Balance unexpended . . . . .		\$269 37

### Street Lights.

	CREDIT.	
Appropriation . . . . .		\$50,000 00
		<hr/>
	DEBIT.	
Edison Electric Illuminating Co. . . . .		53,484 88
		<hr/>
Amount overdrawn . . . . .		\$3,484 88

### Recommendations.

I respectfully recommend that:—

The police signal system be replaced by a modern open circuit system.

The ordinances governing the installation of electrical wiring in buildings be amended or changed to obtain a more strict observance of the rules and regulations laid down by this department.

### Conclusion.

I wish to thank your honorable board and other officials for the many courtesies extended to me, and for your kind assistance, and I respectfully submit the above for your consideration.

Respectfully,

WALTER I. FULLER,

Commissioner of Electric Lines and Lights,

## SOMERVILLE WATER WORKS.

---

SOMERVILLE, MIDDLESEX CO., MASSACHUSETTS.

---

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.

---

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. JOHN M. WOODS.

### **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, 1911. }

To His Honor, the Mayor, and the Board of Aldermen :—

I present herewith my report for the year ending December 31, 1910, this being the thirty-seventh annual report of the water department, and my eleventh as water commissioner :—

### Receipts and Expenditures.

Water bills have been issued as follows :—

“Annual” water charges, amounting to . . . . .		\$99,867 05
“Additional” water charges, amounting to . . . . .		4,048 42
“Metered” water charges, amounting to . . . . .		123,921 38
		\$227,836 85
Abatements . . . . .	\$1,334 58	
Refunds . . . . .	220 81	
Abatements on 1909 charges . . . . .	6 16	
	1,561 55	
Income from sale of water . . . . .		\$226,275 30
Amount received from water service assessments . . . . .	\$2,829 13	
Amount received for labor and materials . . . . .	6,614 36	
	9,443 49	
Total income of water works . . . . .		\$235,718 79

This amount was used as follows :—

For water works purposes :—

Water works maintenance . . . . .		\$24,402 16
Water works extension . . . . .		10,934 63
Miscellaneous accounts . . . . .		9,443 49
Interest on water loan bonds . . . . .		2,220 00
Maturing water loan bonds . . . . .		6,000 00
Metropolitan water works assessment . . . . .		110,056 25
	163,106 53	

For other municipal purposes :—

Sewers, maintenance . . . . .		\$12,000 00
Fire department . . . . .		49,000 00
Reduction of funded debt . . . . .		11,612 26
	72,612 26	
		\$235,718 79

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
Sundry accounts for labor and materials . . . . .		6,555 73
Materials used in extension of the water works . . . . .		10,154 07
Amount expended for labor and materials for operation, maintenance, and renewal of the water works . . . . .	\$24,402 16	
Amount expended for materials used in extension of the water works . . . . .	10,154 07	
Miscellaneous accounts . . . . .	6,555 73	
Unexpended balance . . . . .	597 84	
	\$41,709 80	\$41,709 80

**WATER WORKS EXTENSION ACCOUNT.**

	DR.	CR.
Amount appropriated by board of aldermen from water income . . . . .		\$13,500 00
Receipts from water service assessments . . . . .		2,829 13
Receipts from waterpost services . . . . .		58 63
Labor and materials used in extension of the water works . . . . .	\$10,984 63	
Miscellaneous accounts . . . . .	2,887 76	
Unexpended balance . . . . .	2,515 37	
	\$16,387 76	\$16,387 76

**Cost of Water Works.**

The total cost of the water works on December 31, 1909, as represented by the expenditures from appropriations for water works extension was . . . . .	\$922,834 26
Expended during the year 1910, on extension account . . . . .	10,984 63
	\$933,813 89
Total expenditures, December 31, 1910 . . . . .	\$933,813 89

**Water Debt.**

Water loan bonds have been issued on funded debt account to the amount of \$1,017,000 ; this has been reduced by \$967,000, leaving the water debt on December 31, 1910, \$50,000.

The outstanding bonds mature as follows :—

YEAR.	AMOUNT.	YEAR.	AMOUNT.
1911	\$6,000	1916	\$5,000
1912	6,000	1917	5,000
1913	6,000	1918	5,000
1914	6,000	1919	4,000
1915	5,000	1920	2,000

### Water Works Income from 1898 and its Distribution.

The water income and its distribution from 1898 to 1910, inclusive, is shown in the following table :—

Total water income, years 1898 to 1910, inclusive . . . \$2,884,644 60  
Distribution:—

#### Water Works Account.

Water Works Construction, Renewal, Maintenance and Operation . . . . .	\$699,864 20	
Water Bonds . . . . .	224,000 00	
Interest . . . . .	76,815 00	
Metropolitan Water Assessments . . . . .	972,530 97	
	<hr/>	\$1,973,210 17

#### Other Municipal Accounts.

Sewers	{	Construction . . . . .	\$117,035 65	
		Maintenance . . . . .	134,450 00	
		Bonds . . . . .	72,000 00	
		Interest . . . . .	58,792 00	
		Assessments . . . . .	31,000 00	
		<hr/>	\$413,277 65	
Fire Department, Maintenance . . . . .			328,026 33	
Health Department, Maintenance . . . . .			7,500 00	
Suppression of Moths . . . . .			1,000 00	
Reduction of Funded Debt . . . . .			159,841 37	
Unappropriated Balances . . . . .			1,789 08	
			<hr/>	\$2,884,644 60

### Water Distribution.

#### STREET MAINS.

There was laid during the year 4,322 feet of new street mains, sixty-four feet of pipe for hydrant branches, and twenty feet for a blow-off branch ; making a total of 4,406 feet. The total water pipe mileage of the city is now approximately 95.10 miles.

In the early part of the year 286 feet of twelve-inch pipe was laid over the new Somerville avenue bridge, completing the work of water pipe reconstruction on account of the grade crossing elimination at this point. A start has been made on the work of reconstruction at the Webster avenue crossing and studies have been made for the disposition of the large water mains at that point. One hydrant in Newton street was moved across the street and one in Webster avenue was taken out ; the connection of Prospect place with the Newton street main has been cut off and preliminary work has been done on service pipes in Webster avenue, all made necessary by the construction of the retaining walls of the overhead crossing. The cost of this work will be paid from the funds authorized by the courts for the elimination of the grade crossing.

Building operations have been more vigorously carried on in the western part of the city than in other sections, and water

mains have been laid as needed in Belknap street, Broadway, Chetwynd road, Conwell avenue, Curtis avenue, Electric avenue, Hardan road, and Mason street.

The pipe in Broadway at its westerly end was extended over Alewife brook to make a connection with the water main of the town of Arlington. This was done at the solicitation of the Metropolitan water and sewerage board. The city furnished, by agreement, 304 feet of the eight-inch pipe required and the Metropolitan board furnished all the rest of the materials and labor for laying the main without expense to the city.

Four hundred and eighty-four feet of eight-inch pipe was laid in the Metropolitan park reservation along Fellsway East for the better supply of buildings on that street and for fire protection. One hundred and forty-six feet of six-inch pipe was laid in an extension of Conlon court for a service supply and for fire protection to surrounding property. In advance of street improvements 208 feet of six-inch pipe was laid in Hamlet street, removing the old dead end by a connection with Boston street, and pipes were laid in Dimick street for connections with Harold and Waldo streets.

Thirty-three feet of old cement pipe in Prospect street near the railroad bridge was removed and the same length of six-inch iron pipe was substituted.

The table which is made a part of this report gives more detailed information and description of the work done.

#### **Hydrants, Gates, etc.**

Nineteen hydrants have been set during the year and ten removed, making the total number now in use 1,065. Six new private hydrants have been installed by the Boston & Maine railroad in their new yard in East Somerville and are supplied with water through a connection with the city main at the foot of North Union street. Two additional hydrants have been installed by the John P. Squire Company in their factory yard, making the total number of private fire hydrants connected with the city water system fifty-five.

Twenty gate valves have been set and five removed, the total number now installed being 1,469. The twelve-inch gate and chamber at the corner of Broadway and Cross street was moved three feet for the accommodation of the Boston Elevated Railway Company in their track relocation and the expense was paid by them.

One blow-off was installed near the end of the city main in Broadway at Alewife brook to clear the mains in that district.

Two waterposts were removed from College avenue ; one was reset in Meacham road near Dover street, and one removed last year from Somerville avenue near the Fitchburg railroad crossing was reset on the new bridge at that point.

**Water Services.**

One hundred and forty-nine new water services were laid, this being the smallest number called for in many years. The number of feet of pipe required in this work was 5,520, and the total length of service pipes in use is approximately seventy-nine miles. Eighteen old services have been cut off from the mains, their use being no longer required.

**Water Meters.**

Six hundred and seventy new meters have been installed during the year on services not previously metered ; fifty-eight which had been removed for various causes were re-set ; sixty-five were removed on account of permanent or temporary discontinuance of use of water and for substitution of other meters ; the net increase in number of meters in actual service being 663, and the total number of such in operation on December 31, 5,810, this number being about forty-eight per cent. of all the services in the city. One motor register has been discontinued, the number operating being now seven. The kinds and sizes of meters now installed are shown in the following table :—

**OPERATING METERS DECEMBER 31, 1910.**

KIND.	SIZE.								Total.
	5/8"	3/4"	1"	1 1/2"	2"	3"	4"	6"	
Nash . . .	176								176
Empire . . .	1								1
Crown . . .	5	5	3	2	2	2	1	1	21
Gem . . .							1		1
Hersey . . .			3	1	1	2			7
Hersey Disc	256	22	3	1	4				286
Torrent . . .								1	1
Trident . . .	369	44	19	6	5		1		444
Trident Crest					2	3	1		6
Trident Comp.					1		1		2
Union . . .	16	12	7	1	6				42
Union Special		16	2	2					20
Columbia . . .	135								135
King . . .	506								506
Lambert . . .	2,425	123	20						2,568
Worthington Disc . . .	1,594								1,594
Totals . . .	5,483	222	57	13	21	7	5	2	5,810
Motor and ele- vator registers									7
									5,817

The meters installed in 1910 were classed as follows :—

Applications of property owners . . . . .	239
New services . . . . .	169
General installation . . . . .	262
Reset . . . . .	53

Total . . . . . 728



Meters were removed for the following causes :—

Vacancies and temporary non-use of water . . . . .	40
Services permanently discontinued . . . . .	3
Replaced by other meters . . . . .	22
	<hr/>
Total . . . . .	65

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 ninety.

The following table gives a summary of the pipes and fixtures of the water system December 31, 1910 :—

#### Summary of Pipes and Fixtures.

Feet of main pipe (approximately) . . . . .	502,151
Feet of service pipe (approximately) . . . . .	417,486
Service connections (approximately) . . . . .	12,149
Public fire hydrants . . . . .	1,065
Private fire hydrants . . . . .	55
Gates . . . . .	1,469
Check valves . . . . .	7
Meters . . . . .	5,810
Motor registers . . . . .	7
Waterposts . . . . .	82
Blow-offs . . . . .	142
Drinking fountains and troughs . . . . .	8

#### MAINTENANCE AND OPERATION.

##### Accounting.

The accounting department has grown to be a very large and important factor in the operation of our water works. The general installation of water meters, as required by the state law, has largely increased the work of the department as bills on metered premises, which now number about 6,000 and constitute about one-half the water accounts of the entire city, are rendered and booked four times a year instead of once as with the "annual" rates ; and as the installation of each meter and injuries happening thereto are charged to the property owner, the department work in this direction has also become largely extended. Condensed methods of bookkeeping have been devised and labor saving devices in bill-making and mailing have been adopted, so that the clerical cost has been kept down to a minimum, but this will increase somewhat to keep up with the growing demands of the work and the calls of the public.

##### Distribution.

It seems unnecessary to elaborate here on the details connected with the maintenance of the distribution system ; they are of great variety and are all recorded on the books of the de-

partment. In a few words it may be stated that eighteen joint leaks on street mains and 112 leaks on service pipes have been found and repaired ; forty-one old service pipes have been replaced with new. Nine damaged or imperfectly working hydrants have been removed and replaced with new ones, and the steamer connections on thirty-six hydrants have been lengthened to better adapt them to the hose couplings.

Two hundred and twenty-eight water meters, about four per cent. of the entire installation, have been found out of order, and repairs have been made in our department shop. Meter defects are classified as follows : Broken disks, thirty-eight ; defective registers, fifteen ; defective gear trains, forty-seven ; freezing, forty-six ; hot water, five ; dirt, sediment, and similar obstructions, forty-two ; miscellaneous defects in gears, spindles, screws, etc., inside the meters, twenty-three ; noisy meters, twelve.

#### Shop and Stable.

Our shop is gradually being fitted up with machinery and tools, so that the greater part of our meter repair work can now be done without sending to the factory, saving time and expense.

The teaming department has been greatly strengthened by the purchase of an up-to-date automobile for use of the foremen, in place of an antiquated affair which had survived its usefulness ; and by the acquisition of a horse to relieve an old equine servant of the city of a large part of the burden which he has faithfully borne for many years. It has been necessary to discard some of our worn-out wagons and carts and they have been replaced with new and suitable equipment.

#### 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.	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 23	66,825 45	110,056 25

---

\$972,530 97

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 1910 :—

Month.	Gallons.	Month.	Gallons.
January .....	6,497,200	July .....	6,504,500
February .....	6,451,100	August .....	6,211,500
March .....	5,906,300	September .....	6,081,000
April .....	5,734,600	October .....	6,256,400
May.....	6,152,500	November .....	5,933,600
June .....	6,202,300	December .....	6,355,300

The total consumption for the year is 2,259,153,000 gallons, making an average daily consumption of 6,189,500 gallons.

The average daily quantity of water used in Somerville during 1910 was eighty gallons per inhabitant, a decrease of four gallons from the previous year's consumption ; the average for the entire district was 110 gallons daily per capita, a decrease for the year of thirteen 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 1910, as registered by the metropolitan meters :—

City or Town.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
Boston .....	148	149	132	126	124	125	130	125	123	121	118	136	130
Somerville .....	85	84	77	74	80	80	84	80	78	80	76	81	80
Malden .....	41	41	40	39	40	43	48	48	42	42	39	39	42
Chelsea .....	93	96	86	81	81	84	89	89	90	85	83	89	87
Everett .....	87	88	74	72	72	75	80	77	73	73	68	80	76
Quincy .....	76	75	75	77	83	91	112	107	95	92	87	85	88
Medford .....	68	69	62	59	62	61	81	66	54	53	49	49	61
Melrose .....	57	59	59	62	65	66	69	72	66	67	62	61	64
Revere .....	70	72	63	61	63	71	86	92	74	68	61	71	71
Watertown .....	60	61	62	61	65	64	88	75	70	74	66	69	68
Arlington .....	72	73	70	75	83	84	126	105	85	80	71	74	83
Milton .....	34	36	40	43	44	42	45	38	34	41	36	32	39
Winthrop .....	59	59	56	59	62	73	93	78	63	54	52	50	63
Stoneham .....	88	98	92	90	97	95	113	88	82	87	88	79	91
Belmont .....	42	46	51	53	60	61	91	76	59	59	55	51	59
Lexington .....	58	65	59	72	78	73	119	94	85	84	71	75	78
Nahant .....	54	69	53	53	61	60	62	61	54	50	49	49	58
Swampscott .....	46	47	47	53	59	79	77	74	54	53	52	54	59
Metropolitan Dist.	122	123	110	105	106	107	114	109	105	104	100	114	110

The district, in order of consumption, beginning with the lowest, stands as follows :—

City or Town.	Gallons.		City or Town.	Gallons.	
	Total per Day.	PerCapita per Day.		Total per Day.	Per Capita per Day.
1—Milton .....	309,200	39	9—Revere ....	1,313,400	71
2—Malden .....	1,874,400	42	10—Everett ....	2,575,600	76
3—Nahant .....	121,700	58	11—Lexington ..	345,500	73
4—Swampscott ..	412,800	59	12—Somerville ..	6,189,500	80
4—Belmont .....	329,500	59	13—Arlington ...	938,200	83
5—Medford .....	1,422,400	61	14—Chelsea .....	2,834,500	87
6—Winthrop ....	649,500	63	15—Quincy .....	2,891,900	88
7—Melrose .....	1,005,700	64	16—Stoneham ...	650,800	91
8—Watertown ...	880,800	68	17—Boston .....	87,346,700	130

### Meterage.

One of the most important branches of the department work continues to be the installation of water meters under the provisions of the Metropolitan Water Act. This work is progressing at a rate somewhat in advance of the actual requirements of the Act, but as our proportion of the metropolitan water assessment is based in large measure on the consumption of water in our city it would probably prove advantageous to proceed with the meter installation more rapidly so as to reduce that consumption, so far as it can be reduced by meter use, at as early a date as possible. Some of our neighboring cities have finished the metering of all their services and find, as a result of the consequent diminution in consumption of water, that the entire expense of their meter installation has been offset by the reduction in their state water assessment.

It is pleasing to note a gradual dropping in the daily consumption of water in our own city, the per capita figure for the year being eighty, a decrease of four gallons from that of the previous year, and the lowest on record for this city. This is, no doubt, attributable to the increasing meter installation, which tends to reduce the water waste. While we have not benefited to the extent that those municipalities have which have completed their meter installation it is very gratifying to know that the work which has been accomplished by this department has had the effect of substantially reducing our state water assessment for the current year.

The amount assessed by the state as this city's proportion of the Metropolitan water tax for 1909 was \$112,573.20, and on account of an increase in the general levy on the water district and the increase in the valuation of our city, which serves as a basis for one-third the annual assessment, it may be fairly estimated that the city's assessment for water for 1910 would have been as high as \$114,000, but on account of the reduction which we were able to make in our water consumption for the year, the amount actually assessed on us was but \$110,056.25 ; making an estimated saving of \$4,000 as a result of the present meter installation. As the cost of our meter installation for the

year was but \$1,632.73 it will be seen that the saving effected represents a large percentage of the cost of the work.

As usual, we have closed our year with a balance, and a substantial one, on the right side of our ledger, but it is hoped that this fact will not act as a motive for causing the appropriations for this department from its earnings to be again cut from the estimated requirements as rendered, so that the department may carry on its needful work.

The natural increase in the water income which would take place under the old rating is being held well in check by the extension of the meter system, and it is reasonable to expect some reduction in the income ultimately, as many metered consumers find their bills for water to be only one-third or one-half the amount they were under the old schedule. That the income is holding up well, however, is seen by comparison with the previous year, when the city was forty-three per cent. metered, the increase showing over \$3,000 with forty-eight per cent. of the services metered, and but \$140 less than the high mark reached in 1906 with but twenty-five per cent. of the services metered. While but forty-eight per cent. of the city is metered the accounts show that fifty-five per cent. of the water income is derived from metered services.

The metropolitan water has continued to be of good quality and the supply has been ample, and its use unrestricted notwithstanding the extremely dry year, which has caused a shortage in the water supply of many places.

Tables giving further information and details concerning the work of the department accompany and are made a part of this report.

Respectfully submitted,

FRANK E. MERRILL,

Water Commissioner.

**Gates Set in New Locations.**

- Belknap street, 6-inch gate, set 13 feet 4 inches out from west line, on north line of Broadway.
- Belknap street, 6-inch gate, set 13 feet 4 inches out from west line, on south line of Russell road.
- Blakeley avenue, 6-inch gate, set 13 feet 4 inches out from south line, on east line of Fellsway East.
- Broadway, 12-inch gate, set 34 feet out from south line, on east line of Cross street.
- Broadway, 4-inch gate, set 13 feet out from south line, and 628 feet west from Waterhouse street; for blow-off.
- Chetwynd road, 8-inch gate, set 13 feet 4 inches out from south line, on east line of unnamed street.
- Conlon-court extension, 6-inch gate, set 6 feet 8 inches out from north line, on west line of Windsor-street extension.
- Electric avenue, 8-inch gate, set 13 feet 4 inches out from north line, on west line of Mason street.
- Electric avenue, 8-inch gate, set 13 feet 4 inches out from north line, on east line of Packard avenue.
- Fellsway East, 8-inch gate, set 16 feet out from east line, on north line of Broadway.
- Fellsway East, 8-inch gate, set 5 feet out from east line, on south line of Blakeley avenue.
- Hamlet street, 6-inch gate, set 10 feet out from east line, on north line of Boston street.
- Hardan road, 6-inch gate, set 13 feet 4 inches out from west line, on south line of Powder House boulevard.
- Hardan road, 6-inch gate, set 6 feet 8 inches out from west line, on north line of Ware street.
- Harold street, 8-inch gate, set 13 feet 4 inches out from east line, on north line of Dimick street.
- Harold street, 8-inch gate, set 13 feet 4 inches out from west line, on south line of Dimick street.
- Meacham road, 2-inch gate, set 39 feet west from Dover street; for waterpost.
- Somerville avenue, 2-inch gate, set 871 feet west from East Cambridge line; for waterpost.
- Waldo avenue, 6-inch gate, set 13 feet 4 inches out from west line, on south line of Dimick street.
- Whitman street, 8-inch gate, set 13 feet 4 inches out from north line, on west line of Mason street.

**Gates Removed.**

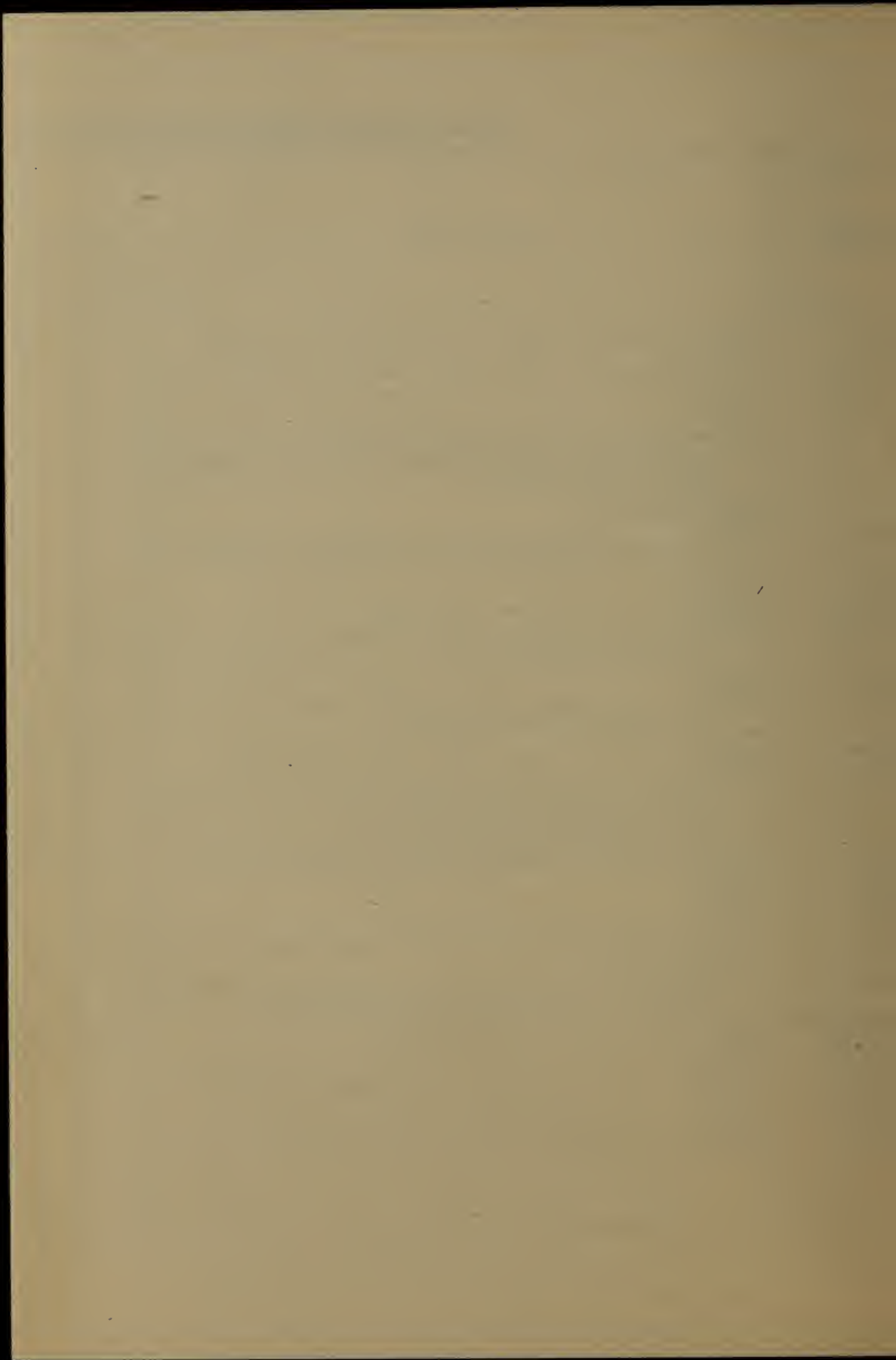
- Broadway, 12-inch gate removed from 34 feet out from south line and 4 feet east from Cross street.
- College avenue, 2-inch gate removed from 5 feet south from Kenwood street; for waterpost.
- College avenue, 2-inch gate removed from opposite Morrison avenue; for waterpost.
- Fellsway East, 6-inch gate removed from 16 feet out from east line, on north line of Broadway.
- Prospect-street place, 6-inch gate removed from 10 feet out from south line, on east line of Newton street.

**GATES—RECAPITULATION.**

GATES.	1 $\frac{1}{4}$ "	1 $\frac{1}{2}$ "	2"	3"	4"	6"	8"	10"	12"	Total.
Set . . . . .	—	—	2	—	1	8	8	—	1	20
Removed . . . . .	—	—	2	—	—	2	—	—	1	5

**STREET MAINS, GATES, HYDRANTS, ETC., LAID, SET AND REMOVED IN 1910.**

STREET.	DESCRIPTION.	PIPE.				GATES.				HYDRANTS.				BLOW-OFFS.				WATER-POSTS.		
		LAID.		ABANDONED.		SET.		REMOVED.		SET.		REMOVED.		SET.		REMOVED.		SET.	REMOVED.	
		Size.	Feet.	Size.	Feet.	Size.	No.	Size.	No.	Size.	No.	Size.	No.	Size.	No.	Size.	No.	No.	No.	
Belknap street	Street main; from main in Broadway to point on south line of Russell road.	6"	498			6"	2													
Belknap street	Hydrants.	6"	13							6"	2									
Blakeley avenue	Street main; from main in Fellsway East to point 13' east from east line Fellsway East.	6"	18			6"	1													
Blakeley avenue	Hydrant.	6"	7							6"	1									
Broadway	Street main; from connection with the old main at Paulina street to point 10' west from west line Corinthian avenue.	12"	195																	
Broadway	Street main; from connection with old main at point 330' west from west line of Waterhouse street to connection with Met. W. W. system at point 634' west from west line Waterhouse street.	8"	304																	
Broadway	Blow-off near Alewife brook.	4"	20			4"	1													
Broadway	Gate near Cross street.					12"	1	12"	1					4"	1					
Chandler street	Hydrant.									6"	1	6"	1							
Chetwynd road	Street main; from connection with old main at point 356' west from Curtis street to point on east line of unnamed street 657' west from Curtis street.	8"	301			8"	1													
Chetwynd road	Hydrant.	6"	6							6"	1									
College avenue	Waterposts.							2"	2										2	
Conlon court ext.	Street main; from main in Windsor street, westerly.	6"	146			6"	1													
Conlon court ext.	Hydrant.	6"	7							6"	1									
Conwell avenue	Street main; from connection with old main at point 667' west from Curtis street to point 298' east from North street.	10"	384																	
Conwell avenue	Hydrant.	6"	7							6"	1									
Cross street	Hydrant.									6"	1	6"	1							
Curtis avenue	Street main; from connection with old main at point 206' west from Curtis street to point 302' west from Curtis street.	6"	96							6"	1	4"	1							
Cypress street	Hydrant	6"	7							6"	1									
Electric avenue	Street main; from main in Mason street to main in Packard avenue.	8"	668			8"	2													
Electric avenue	Hydrant.	6"	7							6"	1									
Fellsway East	Street main; from connection with old main at point 2' south from north line Broadway to connection with main in Blakeley avenue.	8"	484			8"	2	6"	1	6"	1	4"	1							
Hamlet street	Street main; from connection with old main at point 433' south from Highland avenue to connection with main in Boston street.	6"	208			6"	1													
Hardan road	Street main; from main in Powder House boulevard to main in Ware street.	6"	316			6"	2													
Harold street	Street main; from main in Dimick street to north and south line Dimick street.	8"	45			8"	2													
Laurel street	Hydrant.									6"	1	6"	1							
Linden street	Hydrant.									6"	1	4"	1							
Linwood street	Hydrant.									6"	1	4"	1							
Lowell street	Hydrant	6"	8							6"	1									
Mason street	Street main; from connection with main at Ossipee road to connection with main in Whitman street.	10"	347																	
Meacham road	Waterpost.					2"	1												1	
Prospect street	Street main; from connection with iron main at point 23' north from Prospect Street place to connection with pipe in Prospect Street place.	6"	33	6"	33															
Prospect Street place	Gate removal.									6"	1									
Somerville avenue	Street main; across bridge over Fitchburg Railroad.	12"	286																	
Somerville avenue	Hydrant.	6"	2							6"	1									
Somerville avenue	Waterpost.					2"	1												1	
Waldo avenue	Street main; from main in Dimick street to gate on south line Dimick street.	6"	13			6"	1													
Washington street	Hydrant.									6"	1	6"	1							
Webster avenue	Hydrant.									6"	1	6"	1							
Whitman street	Street main; from main in Mason street to gate on west line Mason street.	8"	13			8"	1													
Wilton street	Hydrant.									6"	1	4"	1							
			4,439		33		20		5		19		10			1			2	2





Net increase in number of gates in 1910	15
Total number of gates in the city December 31, 1910	1,469

### Hydrants Set in New Locations.

Belknap street, 63 feet north from Broadway, 6-inch Corey.  
 Belknap street, 80 feet south from Russell road, 6-inch Mathews.  
 Blakeley avenue, 13 feet east from Fellsway East, 6-inch Mathews.  
 Chetwynd road, 236 feet west from Curtis street, 6-inch Corey.  
 Conlon-court extension, 138 feet west from Windsor street, 6-inch Mathews.  
 Conwell avenue, 29 feet west from unnamed street leading north, 6-inch Mathews.  
 Cypress street, 114 feet west from Central street, 6-inch Mathews.  
 Electric avenue, 160 feet west from Mason street, 6-inch Mathews.  
 Fellsway East, 68 feet north from Broadway, 6-inch Mathews.  
 Lowell street, 8 feet north from Albion street, 6-inch Mathews.  
 Somerville avenue (south low level), 956 feet west from East Cambridge line, 6-inch Corey.

### Hydrant Renewal Account.

The following changes have been made in hydrants:—

Chandler street, 6-inch Mathews, set 16 feet south from Broadway, in place of 6-inch Chapman.  
 Cross street, 6-inch Mathews, set 13 feet south from Auburn avenue, in place of 6-inch Chapman.  
 Curtis avenue, 6-inch Corey, set 206 feet west from Curtis street, in place of 4-inch Boston Machine.  
 Laurel street, 6-inch Corey, set 8 feet north from Park place, in place of 6-inch Holyoke.  
 Linden street, 6-inch Corey, set 31 feet north from Charlestown street, in place of 4-inch Boston Machine.  
 Linwood street, 6-inch Mathews, set 52 feet south from London street, in place of 4-inch Holyoke.  
 Washington street, 6-inch Walker, set 18 feet east from Franklin avenue, in place of 6-inch Holyoke.  
 Wilton street, 6-inch Mathews, set 10 feet east from Lawrence street, in place of 4-inch Holyoke.

### Hydrants Removed.

Fellsway East, 7 feet north from Broadway, 4-inch Boston Machine.  
 Webster avenue, 18 feet south from Prospect street, 6-inch Mathews.

### 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.  
     266 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, 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.  
     South side Beacon street, 40 feet east from Sacramento street.  
     South side Beacon 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.  
     90 feet east from Calvin street.  
     194 feet east from Calvin street.  
     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.  
37 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.

- Broadway, 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.

- Church street, 29 feet north from Somerville avenue.  
12 feet north from Lake 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, 200 feet west from Newton street.  
412 feet west 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.  
8 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 unnamed street leading north.
- 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.

- Curtis street, 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 place, 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.
- 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, opposite Emerson street.
- 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.
- Farm lane, 70 feet north from Sumner street.  
67 feet south from Roberts 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.
- 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.  
5 feet east from Walnut street.
- Highland avenue, 28 feet west from Hamlet 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.



- Highland 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 west from Dover street.  
 8 feet west from Boston & Maine Railroad crossing.  
 23 feet south from Winter street.  
 5 feet east from Jay street.  
 3 feet east from Paulina street.  
 94 feet east 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.
- 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.
- 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.  
12 feet north from Mallet street.
- 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, 272 feet west from Cooney street.  
100 feet west from Smith avenue.
- 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.
- Loyden 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.

- 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 Claremon 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 Jackson 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, 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 (Ward 1), 148 feet north from Benedict street.
- Mystic street (Ward 2), 160 feet south from Washington 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.  
9 feet east from Clark 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, 44 feet west from Mason street.  
177 feet east from Curtis street.  
139 feet west from Packard avenue.  
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.  
     8 feet north from Parkèr 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.  
 Pritchard 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.  
     35 feet south from Concord 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.  
123 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.  
313 feet east from Congress place.  
956 feet west from East Cambridge line.  
872 feet west from East Cambridge line.

- Somerville avenue, 670 feet west from East Cambridge line.  
 650 feet west from East Cambridge line.  
 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, 93 feet south from Washington street.  
12 feet south from Everett street.  
25 feet north from Newton street.  
63 feet north 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 (Ward 7), 92 feet south from Highland avenue.  
(Ward 7), 140 feet north from Highland 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

**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 Pritchard 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, 51 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—Franklin street, 127 feet south from Broadway.
- 30—Frederick avenue, 66 feet east from Willow avenue.
- 31—Gilman street, 63 feet east from Walnut street.
- 32—Grove street, 19 feet south from Highland avenue.
- 33—Jaques street, 159 feet west from Grant street.
- 34—Laurél street, 20 feet south from Summer street.
- 35—Liberty avenue, 46 feet south from Broadway.
- 36—Linwood street, 70 feet west from Poplar street.
- 37—Lowell street, opposite Crown street.
- 38—Lowell street, 34 feet north from Highland avenue.
- 39—Lowell street, 102 feet north from Wilton street.
- 40—Meacham road, 39 feet west from Dover street.
- 41—Medford street, 35 feet east from Ward street.
- 42—Medford street, 24 feet north from Highland avenue.
- 43—Medford street, at Gilman square.
- 44—Medford street, 19 feet east from Glenwood road.
- 45—Montrose street, 204 feet west from School street.
- 46—Moreland street, 28 feet north from Meacham street.
- 47—Mt. Vernon street, 71 feet south from Broadway.
- 48—Mystic avenue, 33 feet west from Union street.
- 49—New Cross street, 64 feet north from Broadway.
- 50—Orchard street, 107 feet west from Dover street.
- 51—Otis street, 127 feet west from Cross street.
- 52—Packard avenue, 55 feet southwest from Powder House boulevard.
- 53—Paulina street, 26 feet east from Holland street.
- 54—Pearl street, 28 feet east from Myrtle street.
- 55—Pleasant avenue, 104 feet west from Walnut street.
- 56—Prospect street, 30 feet north from Somerville avenue.
- 57—Putnam street, 96 feet north from Summer street.
- 58—School street, 116 feet south from Broadway.
- 59—School street, 188 feet north from Highland avenue.
- 60—School street, 50 feet north from Berkeley street.
- 61—Shawmut street, 74 feet north from Shawmut place.
- 62—Somerville avenue, 871 feet west from East Cambridge line.
- 63—Somerville avenue, 150 feet west from Congress place.
- 64—Somerville avenue, 89 feet east from Mystic street.
- 65—Somerville avenue, 119 feet west from School street.
- 66—Somerville avenue, 35 feet east from Central street.
- 67—Somerville avenue, 92 feet west from Kent street.
- 68—Somerville avenue, 120 feet west from Oak square.
- 69—Somerville avenue, 42 feet east from Mossland street.
- 70—Summer street, 14 feet east from Belmont street.
- 71—Summer street, 32 feet east from Cedar street.
- 72—Summer street, 35 feet east from Cutter avenue.
- 73—Sycamore street, 28 feet west from Medford street.
- 74—Temple street, 31 feet north from Broadway.
- 75—Tremont street, 120 feet south from Webster avenue.

- 76—Tufts street, 114 feet east from Cross street.  
 77—Vernon street, 45 feet west from Central street.  
 78—Washington street, 96 feet west from Myrtle street.  
 79—Washington street, 7 feet west from Boston street.  
 80—Washington street, 34 feet west from Union square.  
 81—Washington street, opposite Leland street.  
 82—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
Lincoln park . . . . .	D
Gilman square . . . . .	D I
Cutter square . . . . .	C
Davis square, in front of Medina building . . . . .	D I
Teele square . . . . .	H

H, horse trough ; D, drinking fountain ; I, ice water ; C, combination trough and drinking fountain.

### Summary of Statistics

FOR THE YEAR ENDING DECEMBER 31, 1910.

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, 78,000.  
 Estimated population on lines of pipe, 78,000.  
 Estimated population supplied, 78,000.  
 Total consumption for the year, 2,259,153,000 gallons.  
 Average daily consumption, 6,189,500 gallons  
 Gallons per day to each inhabitant, 80.

#### STATISTICS RELATING TO DISTRIBUTION SYSTEM.

##### MAINS.

Kind of pipe, cast-iron.  
 Sizes, from 4-inch to 20-inch.  
 Extended 4,406 feet during year.  
 Total now in use, 95.10 miles.  
 Number of leaks per mile, 0.19.  
 Number of hydrants added during year (public and private), 17.  
 Number of hydrants (public and private) now in use, 1,120.  
 Number of stop gates added during year, 15.

Number of stop gates now in use, 1,469.

Number of blow-offs, 142.

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 5,520 feet.

Total now in use, 79 miles.

Number of service taps added during the year, 149; discontinued, 18.

Number now in use, 12,149.

Average cost of service for the year, \$21.27.

Number of meters added, 728; discontinued, 65.

Number now in use, 5,817.

Percentage of services metered, 48.

Percentage of receipts from metered water, 54.

Number of motors and elevators added, 0.

Number now in use, 7 (included in number of meters).

RECEIPTS.

FINANCIAL STATISTICS.

EXPENDITURES.

From Water Rates:—		Water Works Maintenance:—	
<i>A.</i> Fixture rates . . . . .	\$102,610.01	<i>AA.</i> Operation (management and repairs) . . . . .	\$24,402.16
<i>B.</i> Meter rates . . . . .	123,665.29	<i>BB.</i> Special:—	
<i>C.</i> Total from consumers . . . . .	\$226,275.30	Miscellaneous accounts . . . . .	6,555.73
<i>M.</i> From other sources:—		<i>CC.</i> Total maintenance . . . . .	\$30,957.89
Water service assessments . . . . .	2,829.13	<i>DD.</i> Interest on bonds . . . . .	2,220.00
Labor and materials . . . . .	6,614.36	<i>EE.</i> Payment of bonds . . . . .	6,000.00
		Water Works Construction:—	
		<i>GG.</i> Mains . . . . .	\$6,010.82
		<i>HH.</i> Services . . . . .	3,170.21
		<i>JJ.</i> Meters . . . . .	4,632.73
		Waterposts . . . . .	58.63
		<i>KK.</i> Total construction . . . . .	\$13,872.39
		<i>LL.</i> Unclassified expenses:—	
		Metropolitan water assessment . . . . .	110,056.25
		<i>MM.</i> Balance:—	
		Ordinary . . . . .	72,612.26
		Total balance . . . . .	72,612.26
<i>N.</i> Total . . . . .	\$235,718.79	<i>N.</i> Total . . . . .	\$235,718.79

Disposition of balance: applied to other municipal purposes.

*O.* Cost of works to date . . . . . \$933,818.89

*P.* Bonded debt at date . . . . . 50,000.00

*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, 1910. }

To His Honor, the Mayor, and the Board of Aldermen:—

Gentlemen,—I herewith respectfully submit the annual report of the fire department for the year ending December 31, 1910, containing the location of stations, apparatus, equipment, alarms, fires, and causes of same, losses and insurance as accurately as could be ascertained, and other information concerning the department that may be of interest:—

### Fire Alarms.

Number of bell alarms . . . . .	238
Number of still alarms . . . . .	223
	461
Total alarms . . . . .	461
Number in excess of 1909 . . . . .	89
Value of buildings at risk . . . . .	\$395,050 00
Insurance on buildings . . . . .	310,165 00
Damage to buildings . . . . .	34,753 60
Value of contents . . . . .	116,135 00
Insurance on contents . . . . .	77,515 00
Damage to contents . . . . .	24,351 79
Total value of risks . . . . .	511,135 00
Total insurance . . . . .	387,680 00
Total damage . . . . .	59,105 39

### Bell Alarms and Causes Thereof.

Accidental . . . . .	2
Automobile . . . . .	1
Alcohol lamp . . . . .	1
Bonfires . . . . .	9
Burlap in chimney flue . . . . .	1
Baker's oven . . . . .	3
Clothing falling on stove . . . . .	3
Children playing with matches . . . . .	12
Chimney fires . . . . .	7
Combustion . . . . .	7
Cigar stub . . . . .	4
Camphor oil boiling over . . . . .	1
Careless use of matches . . . . .	5
Candle in contact with burlap . . . . .	1
Clothing hanging near open chimney flue . . . . .	1
Cloth used for cleaning stove . . . . .	2
Drying plastering . . . . .	3
Defective chimney . . . . .	5
Defective fireplace . . . . .	2
Electric car . . . . .	2
Electric wires under bridge . . . . .	2
Electric wires in tree . . . . .	3
Carried forward . . . . .	77



Brought forward . . . . .	77
Fire in Boston . . . . .	1
Fire in Cambridge . . . . .	1
Fire in dump . . . . .	5
Firecracker in window . . . . .	2
False alarms . . . . .	24
Grass fires . . . . .	3
Gasolene in contact with gas stove . . . . .	1
Gas connection on hot-water heater . . . . .	1
Hot ashes in barrel . . . . .	1
Incendiary . . . . .	10
Kerosene lamp upset . . . . .	16
Kettle boiling dry . . . . .	2
Kindling wood back of stove . . . . .	1
Kettle of tar upset . . . . .	2
Kettle of fat boiling over . . . . .	1
Kerosene oil in furnace . . . . .	1
Kerosene oil heater . . . . .	4
Leak in gas meter . . . . .	2
Lamp in contact with clothing . . . . .	5
Overheated oil stove . . . . .	1
Overheated coal stove . . . . .	6
Overheated furnace . . . . .	2
Overheated dry room . . . . .	1
Rubbish in cellar . . . . .	1
Rats and matches . . . . .	3
Soot in chimney . . . . .	1
Smoking in bed . . . . .	3
Stepping on snap match . . . . .	4
Smoke from stove . . . . .	6
Smoke from chimney . . . . .	3
Smoke from furnace . . . . .	3
Sparks on roof from chimney . . . . .	9
Spark from tobacco pipe . . . . .	12
Spark from engine on railroad . . . . .	9
Spark from steam roller . . . . .	1
Spark from hoisting engine . . . . .	1
Spark from cigarette . . . . .	6
Spark from bonfire . . . . .	1
Spark from forge . . . . .	1
Thawing water pipe . . . . .	1
Tank of tar on street, spark from furnace . . . . .	1
Unknown . . . . .	2

## Service of Companies in Fire Department, Year 1910.

	Engine 1.	Engine 2.	Engine 4.	Engine 6.	Hose 2.	Hose 3.	Hose 5.	Hose 7.	Chemical A.	Hook and Ladder 1.	Hook and Ladder 2.	Totals.
Bell alarms responded to	161	85	75	78	105	119	111	114	137	137	110	1,232
Still alarms responded to	23	33	5	28	27	23	30	21	28	5	.	223
Miles traveled	377	178½	134¾	176¾	251	174½	207	184	193	171	157	2,204½
Feet of 2½ inch hose used	14,600	8,600	6,800	5,500	10,000	9,900	7,550	13,150	.	.	.	76,100
Feet of chemical hose used	.	.	.	2,800	3,400	9,750	8,800	11,650	23,450	2,800	.	62,650
Feet of ladders used	.	215	50	18	140	24	.	.	204	2,137	2,651	5,439
Chemical extinguishers used	12	16	10	.	24	.	9	7	.	7	.	85
Gallons of chemical used	.	.	.	876	1,145	1,400	1,395	1,641	4,800	280	.	11,537
Times on duty at other stations	.	.	.	4	.	.	.	.	1	.	.	5

**Fire Stations.**

There are eight fire stations located and equipped as follows:—

The Central fire station, 261 Medford street:—

- 1 Third size Metropolitan engine, purchased in 1903, repainted in 1910.
- 1 Hose wagon, rebuilt and repainted in 1910, 1,000 feet of two-and-one-half-inch hose.
- 1 Holway chemical engine, rebuilt and repainted in 1910, equipped with two forty-gallon tanks.
- 1 Relief hose wagon, repainted in 1910.

Engine No. 2 station, corner Broadway and Cross street:—

- 1 Third size Silsby engine, rebuilt in 1904, repainted and equipped with friction brake in 1910.
- 1 Hose wagon, equipped with friction brake in 1910, 950 feet of hose.
- 1 Combination ladder truck and chemical, repainted and equipped with friction brake in 1910, put in service December 31, 1910.

Union square station, Union square:—

- 1 Ladder truck, rebuilt, repainted, and equipped with friction brake in 1910.
- 1 Combination hose and chemical wagon, purchased in 1908, equipped with two thirty-five-gallon chemical tanks and 900 feet of two-and-one-half-inch hose.
- 1 Relief hose wagon.
- 1 Second size Silsby engine without boiler.

Engine No. 4 station, corner Highland avenue and Grove street:—

- 1 Second size Silsby engine, rebuilt in 1907, equipped with friction brake in 1910.
- 1 Hose wagon, equipped with 900 feet of two-and-one-half-inch hose.

Hose No. 5 station, 651 Somerville avenue:—

- 1 Combination hose and chemical wagon, equipped with friction brake in 1910, equipped with two forty-five-gallon chemical tanks and 850 feet of two-and-one-half-inch hose.

Engine No. 6 station, Teele square:—

- 1 Second size Metropolitan engine, purchased in 1907.
- 1 Combination hose and chemical wagon, purchased in 1908, equipped with two thirty-five-gallon chemical tanks and 900 feet of two-and-one-half-inch hose.

Ladder No. 2 station, 265 Highland avenue:—

- 1 Ladder truck.
- 1 Automobile combination chemical and hose, put into service in 1910.

Hose No. 2 station, Marshall street, near Broadway:—

- 1 Combination hose and chemical wagon, refinished in 1910, equipped with two thirty-five-gallon tanks and 800 feet of two-and-one-half-inch hose.

### Manual Force.

The manual force of the department consists of 105 members, divided as follows:—

Sixty-three (63) permanently employed, forty-one (41) callmen, and one (1) relief driver.

During the year the force has been reduced twenty-five (25) call-men, through resignation, pension and discharge, and Benjamin H. Pond, captain of engine No. 2, has been placed temporarily on half pay.

The force has been increased by the appointment of fifteen permanent men.

The manual force, numerically, is at the danger line, and in some stations far below it.

### Horses.

There are forty-four horses owned and maintained by the department, forty-one in actual fire service, two for relief work and one used by the fire alarm department.

### Hose.

There is at present 10,550 feet of serviceable hose, 600 feet of second grade and 1,000 feet condemned.

During the year there have been 3,000 feet of hose condemned and disposed of.

There have been 300 feet of new hose purchased.

### Pensions.

Pensions have become a factor in the department maintenance, having increased from \$100 in 1909 to \$2,302.25 at the present time.

### Recommendations.

I recommend the purchase of a first size steam fire engine for the Central fire station, and the rebuilding of the second size Silsby engine and installing the same in the Union Square station.

The purchase of an aerial truck for Union Square, and the transfer of the truck now in use at that station to West Somerville. Union Square and the contiguous territory contain many buildings which our present facilities are unable to meet, and it has been through good luck rather than equipment, that we have not had to face a serious problem.

The foregoing recommendations, in effect, have appeared in many of my predecessor's reports, and the necessity of these additions to the fire fighting equipment is becoming more emphatic each year, and their importance cannot be overestimated.

I recommend the purchase of an automobile for the use of the chief, as the horse in use at present is seventeen or

eighteen years old, and entitled to retirement for faithful and effective service.

Motor driven apparatus, although but in the experimental stage in this city, has demonstrated itself of inestimable value, practically cutting the time in half in responding to alarms, thereby checking many fires in their incipency.

Another auto fire car of this character would very materially add to our present equipment.

### **In Conclusion.**

Somerville has had the same good fortune this year as in previous years, inasmuch as there has been no conflagration or large fires; in fact, with one exception, the fire loss has been less than the five previous years and with three exceptions, the ten previous years. This is remarkable more especially when the fact is taken into consideration that there are nearly 14,000 wooden buildings within the city limits.

The excellent arrangements made with our neighboring cities for mutual assistance have been continued and somewhat extended. Boston, Cambridge and Medford have responded to Somerville alarms and Somerville has responded to alarms in those cities.

In closing I wish to extend my thanks to his honor, the mayor, the board of aldermen, and the fire committee for their confidence in and courtesy to me, in this my first year as head of the fire department.

I also wish to thank the officers and men for the neat and orderly appearance of the houses and apparatus, for the good discipline and general observance of the rules and regulations of the department and for their hearty support and co-operation and the efficient and cheerful manner in which they have performed their duties.

Respectfully submitted,

SEWALL M. RICH,

Chief Engineer.

## REPORT OF THE CHIEF OF POLICE.

OFFICE OF CHIEF OF POLICE, }  
City of Somerville, January 1, 1911. }

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

Gentlemen,—I have the honor to present a report of the work of the police department for the year ending December 31, 1910:—

### Arrests.

Whole number of arrests made . . . . .	1,669
With and without warrants . . . . .	1,143
On summons and notification . . . . .	526
<hr/>	
Males . . . . .	1,535
Females . . . . .	134
<hr/>	
Americans . . . . .	1,035
Foreign born . . . . .	634
<hr/>	
Residents . . . . .	1,090
Non-residents . . . . .	579
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### 1.— Crimes and Offenses Against the Person.

Assault . . . . .	4
Assault and battery . . . . .	133
Assault, felonious . . . . .	3
Assault on female child . . . . .	2
Assault on officer . . . . .	4
Assault with dangerous weapon . . . . .	3
Assault with intent to rob . . . . .	2
Criminal libel . . . . .	2
Manslaughter . . . . .	1
Rape, attempt . . . . .	2
Threats . . . . .	11

167

### 2.— Crimes and Offenses Against Property.

Breaking and entering, attempt . . . . .	2
Breaking and entering . . . . .	52
Breaking glass . . . . .	2
Evading fare . . . . .	1
Fraudulently procuring board at inn . . . . .	1
Interfering with railroad signals . . . . .	3
Injuring railroad signals . . . . .	5
Larceny . . . . .	98
Larceny in building . . . . .	11
Larceny from person . . . . .	6
Maliciously burning lumber . . . . .	1
Malicious injury to door . . . . .	1
Malicious injury to personal property . . . . .	1

Carried forward . . . . .	134
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Brought forward . . . . .	184
Negligently allowing horse to injure tree . . . . .	2
Receiving stolen goods . . . . .	5
Throwing missiles at railroad car . . . . .	11
Trespass . . . . .	11
Trespass with intent to steal . . . . .	6
Unlawful appropriation of horse . . . . .	3
Unlawful appropriation of vehicle . . . . .	3
Unlawfully taking automobile . . . . .	2
Unlawfully taking horse . . . . .	3
Unlawful use of horse . . . . .	2
Unlawfully taking and driving horse . . . . .	2
Unlawful use of milk cans . . . . .	1
Unlawfully using registered bottles . . . . .	1
Wanton injury to personal property . . . . .	2
Wilful injury to personal property . . . . .	2

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### 3.— Crimes and Offenses Against Public Order, Etc.

Abortion . . . . .	1
Abortion, accessory to . . . . .	1
Abortion, witness to . . . . .	1
Adultery . . . . .	4
Attempt to rescue prisoner . . . . .	1
Automobile laws, violation of . . . . .	53
Bastardy . . . . .	9
Cigarette law, violation of . . . . .	1
City ordinances, violation of . . . . .	51
Cruelty to animals . . . . .	12
Dangerous weapon, armed with when arrested . . . . .	1
Disorderly conduct in public conveyance . . . . .	4
Disorderly house, keeping . . . . .	1
Disturbing the peace . . . . .	24
Dog keeping, unlicensed . . . . .	5
Drunkenness . . . . .	731
Drunkenness, common . . . . .	21
Escape from Home for Feeble Minded . . . . .	2
Escape from Lyman School . . . . .	1
Escaped prisoner from out-of-town officer . . . . .	1
Exposure of person . . . . .	4
False alarm of fire . . . . .	5
Falsely assuming to be a constable . . . . .	1
Food laws, violation of . . . . .	1
Giving false weight and measure . . . . .	1
Giving short weight . . . . .	1
Lewd co-habitation . . . . .	1
Liquor laws, violation of . . . . .	34
Lord's Day, violation of . . . . .	61
Metropolitan Park Commission, violation rules of . . . . .	18
Milk laws, violation of . . . . .	26
Neglected children . . . . .	63
Neglect to support . . . . .	44
Obstructing street railway car . . . . .	2
Offering fruit for sale, short measure . . . . .	1
Operating engine without license . . . . .	1
Peddling without license . . . . .	1
Profanity . . . . .	1
Revocation of permit to be at liberty . . . . .	1

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 Carried forward . . . . .

1,192

Brought forward . . . . .	1,192
Runaway boy . . . . .	1
Runaway from Home for Destitute Catholic Children . . . . .	1
Safe keeping . . . . .	1
Safe keeping, demented . . . . .	3
Safe keeping, insane . . . . .	3
School laws, violation of . . . . .	2
Stubbornness . . . . .	18
Suspicious person . . . . .	1
Tampering with fire alarm box . . . . .	1
United States inspection law, violation of . . . . .	1
Vagrancy . . . . .	13
Walking on railroad track . . . . .	25
	<hr/> 1,262

### Recapitulation.

(1) Crimes and Offenses Against the Person . . . . .	167
(2) Crimes and Offenses Against Property . . . . .	240
(3) Crimes and Offenses Against Public Order, Etc. . . . .	1,262
	<hr/> 1,669
Released by probation officer for drunkenness . . . . .	29
Surrendered to other officers and institutions . . . . .	39
Delivered to superior court, bail surrender, etc. . . . .	9
Delivered to jail at East Cambridge, bail surrender, etc. . . . .	6
Cases dismissed in police court . . . . .	7
Released by officer in charge, insane, demented, etc. . . . .	10
Suicide in station . . . . .	1
Cases in which nolle prosequi was entered . . . . .	18
	<hr/> 119
Whole number of arrests made . . . . .	1,669
Cases in which no prosecution was made . . . . .	119
	<hr/>

Number of cases held for trial . . . . . 1,550

Note.—Two hundred and seventy-one of the above number of cases were juveniles and delinquents.

### Miscellaneous Reports.

Accidents reported . . . . .	83
Alarms given for fire . . . . .	4
Amount of property reported stolen . . . . .	\$9,453.32
Amount of property recovered . . . . .	\$6,324.17
Amount of property reported lost . . . . .	\$491.40
Amount of lost property recovered . . . . .	\$80.00
Amount of money shown on deposit in bank book found . . . . .	\$100.49
Amount of property reported missing . . . . .	\$225.00
Amount of missing property found . . . . .	\$200.00
Amount of property reported destroyed . . . . .	\$200.25
Amount of larceny, false report of . . . . .	\$59.00
Assault, attempt . . . . .	1
Assaults reported . . . . .	8
Assaults on children reported . . . . .	4
Attempts to break and enter . . . . .	18
Attempt to burn building . . . . .	1
Attempt to commit arson . . . . .	1
Attempt to commit larceny . . . . .	2
Attempt to poison dog . . . . .	1
Attempt to rob safe . . . . .	1
Bridge reported dangerous . . . . .	1



Buildings broken and entered, nothing stolen . . . . .	12
Buildings reported being repaired, erected, etc. . . . .	98
Buildings found open and secured . . . . .	394
Cat killed . . . . .	1
Dead bodies found . . . . .	2
Defective bridges reported . . . . .	2
Defective gas gate reported . . . . .	1
Defective hydrants reported . . . . .	3
Defective manhole reported . . . . .	1
Defective sidewalks reported . . . . .	217
Defective streets reported . . . . .	72
Defective sewers reported . . . . .	2
Defective subways reported . . . . .	3
Defective voting list board reported . . . . .	1
Defective water gate reported . . . . .	1
Defective wires reported . . . . .	23
Desertion by husband . . . . .	1
Disturbances suppressed . . . . .	3
Dogs killed . . . . .	6
Drowned body recovered . . . . .	1
Escaped from Industrial School for Boys . . . . .	1
False alarm of fire given . . . . .	1
Fire alarm boxes, glass broken . . . . .	3
Flock of hens running at large . . . . .	1
Gas pipes leaking . . . . .	2
Gas meters broken . . . . .	2
Highway robbery reported . . . . .	1
Horse taken without consent . . . . .	1
Missing persons reported . . . . .	5
Missing persons found . . . . .	2
Missing persons returned . . . . .	1
Number of street lights reported out . . . . .	1,983
Number of larcenies reported . . . . .	384
Nuisances reported . . . . .	2
Obstructions on sidewalks . . . . .	21
Obstructions in streets . . . . .	11
Ornament on high school building, dangerous . . . . .	1
Panes of glass broken . . . . .	45
Persons assisted home . . . . .	1
Persons bitten by dogs . . . . .	2
Poles reported dangerous . . . . .	5
Property damaged . . . . .	3
Property destroyed, no value given . . . . .	1
Runaway team stopped . . . . .	1
Sign post broken . . . . .	1
Still alarm for fire . . . . .	1
Stray horses found . . . . .	3
Stray team cared for . . . . .	1
Suicide, attempt . . . . .	3
Suicides reported . . . . .	2
Sudden deaths reported . . . . .	4
Suspicious persons reported . . . . .	4
Street light broken . . . . .	1
Tampering with United States mail box . . . . .	1
Trees eaten by caterpillars . . . . .	1
Trees reported dead . . . . .	1
Trees broken and dangerous . . . . .	7
Teams missing . . . . .	1
Unlawfully cutting girl's hair . . . . .	1
Unlawful taking of property . . . . .	1
Water pipes reported leaking . . . . .	95

**Intoxicating Liquor.**

Amount seized and forfeited to the commonwealth . . . . . 57¾ gallons

**Police Signal Service and Ambulance Reports.**

Number of on duty reports made by the patrolmen . . . . .	253,555
Number of runs made with the patrol wagon . . . . .	817
Number of prisoners conveyed to station in patrol wagon . . . . .	918
Number of miles run with the patrol wagon . . . . .	1,344
Number of telephone calls . . . . .	44,809
Number of persons carried in the ambulance . . . . .	576

**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.**

No. 1 Edward M. Carter.	No. 30 Thomas F. McNamara.
" 2 George L. Smith.	" 31 Louis F. Arnold.
" 3 Francis A. Perkins.	" 32 Charles S. Johnston.
" 4 William H. Johnston.	" 33 James M. Lynch.
" 5 Jacob W. Skinner.	" 34 Martin Sharry.
" 6 Theodore E. Heron.	" 35 Robert T. Blair.
" 7 David A. Bolton.	" 36 Ernest Howard.
" 8 Michael T. Kennedy.	" 37 Claude L. Crossman.
" 9 Ezra A. Dodge.	" 38 John J. Cummings.
" 10 Charles W. Stevens.	" 39 Lemuel J. Simons.
" 11 Daniel G. Simons.	" 40 Edmund J. Keane.
" 12 Samuel Burns.	" 41 Denis Neylon.
" 13 Frederick H. Googins.	" 42 Denis Downey.
" 14 Jotham Chisholm.	" 43 Edward M. Davies.
" 15 William J. Davidson.	" 44 George A. C. Peters.
" 16 Elmer E. Drew.	" 45 James E. Phillips.
" 17 John A. Dadmun.	" 46 Louis J. Belzarini.
" 18 Eugene A. Woodsum.	" 47 Walter Reed.
" 19 George L. Rice.	" 48 Dennis G. Mulqueeney.
" 20 Myron S. Gott.	" 49 Patrick J. Doolin.
" 21 Herbert Hilton.	" 50 Edward J. Hopkins.
" 22 Charles W. Reick.	" 51 William G. Kenney.
" 23 Frank C. Hopkins.	" 52 Walter L. Groves.
" 24 Charles W. Allen.	" 53 Frederick G. Jones.
" 25 Hudson M. Howe.	" 54 Joseph A. Dwyer.
" 26 Ernest S. Goff.	" 55 Thomas P. Walsh.
" 27 Sanford S. Lewis.	" 56 Clyde W. Steeves.
" 28 Frank H. Graves.	" 57 Augustine J. Fitzpatrick.
" 29 Henry A. Sudbey.	" 58 Patrick McGrath.

**RESERVE OFFICERS.**

No. 59 William E. Taylor.	No. 63 Peter Moore.
" 60 Bernard McCabe.	" 64 Albert C. Hawes.
" 61 Harry C. Young.	" 65 Walter C. Oesting.
" 62 Robert D. Dewar.	" 66 John L. Cameron.

**PATROL DRIVERS.**

Martin E. Driscoll.	James W. Lundergan.
Charles J. Fulton.	

**PATRON.**

Minnie F. Woodland.

**PENSIONERS.**

Melville C. Parkhurst.  
George W. Bean.  
John E. Fuller.

Ira S. Carleton.  
James J. Pollard.  
Albion L. Staples.

**Changes in the Department During the Year.**

Patrolman Harvey R. Fuller, resigned April 7, 1910, to become an agent of the Massachusetts Society for the Prevention of Cruelty to Animals.

Patrolman Joseph J. Burns, died June 7, 1910.

Reserve Officer Michael J. Hannan, discharged October 27, 1910.

Reserve Officers Augustine J. Fitzpatrick and Patrick McGrath were appointed police patrolmen November 25, 1910.

Walter C. Oesting and John L. Cameron were appointed reserve police November 25, 1910.

**Performance of Duties.**

On the whole, the officers have performed their work well and the discipline has been good; minor infractions of the rules have occurred from time to time, and fines and reprimands have been imposed in an effort to correct them.

**July Fourth.**

His Excellency William H. Taft, president of the United States, His Excellency Eben S. Draper, governor of Massachusetts, and other prominent officials were guests of the city of Somerville.

The Fourth of July Association held a large parade, and the president and others reviewed the parade from a large grand stand which was erected on Central hill.

Probably a larger number of people were gathered together than were ever in Somerville at one time before.

This department was assisted by officers from Malden, Newton, Medford, Arlington, and Lexington, and a number of special police officers. Everything passed off splendidly, and nothing occurred to mar the pleasure of the day, only two arrests being made, which was a credit to this department and to the officers from other places who assisted us.

**Conclusion.**

To the Mayor, Honorable John M. Woods, my thanks are due for his continued support in administering the affairs of this department. To the members of the board of aldermen and heads of all departments and their assistants, and members of the police department, who have all rendered valuable assistance to me, I wish to extend my deep appreciation and thanks.

Respectfully submitted,

CHARLES A. KENDALL,

Chief of Police,

## REPORT OF SEALER OF WEIGHTS AND MEASURES.

OFFICE OF SEALER OF WEIGHTS AND MEASURES, }  
City Hall Annex, Somerville, January 1, 1911. }

To His Honor, the Mayor, and the Board of Aldermen:—

The following report of the sealer of weights and measures for the year 1910 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, 1910.

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.

One hundred and nine scales, weights and measures were adjusted before sealing, nineteen scales were tagged for repairs, seven of which were repaired as ordered, and the remaining twelve put out of use.

Work done in weights and measures during the year 1910;—

	No. of Tests in the Office.	No. of Tests Outside of Office.	Total No. of Tests in and Outside of Office.
Number of scales sealed . . . . .	263	1,476	
Number of weights sealed . . . . .	222	4,012	
Number of dry measures sealed . . . . .	748	1,157	
Number of tin liquid measures sealed . . . . .	209	1,464	
Number of glass jars sealed . . . . .	13,383	0	
Number of yard sticks sealed . . . . .	3	145	
Number sealed, miscellaneous . . . . .	0	233	
Number of coal baskets sealed . . . . .	15	0	
<hr/>			
Total number of all kinds sealed . . . . .	14,843	8,487	23,330
Number of scales adjusted and sealed . . . . .	23	41	
Number of weights adjusted and sealed . . . . .	20	20	
Number of liquid measures adjusted and sealed . . . . .	5	0	
<hr/>			
Total number adjusted and sealed . . . . .	48	61	109
Number of scales tagged for repairs . . . . .	9	10	
Number of scales repaired as ordered . . . . .	4	3	
<hr/>			
Total number tagged and repaired . . . . .	13	13	26
Number of scales condemned . . . . .	7	2	
Number of dry measures condemned . . . . .	9	6	
Number of liquid measures condemned . . . . .	156	3	
Number of yard sticks condemned . . . . .	0	2	
Number of miscellaneous condemned . . . . .	39	16	
<hr/>			
Total number condemned . . . . .	211	29	240
<hr/>			
	15,115	8,590	
<hr/>			
Total number tested in and out of office . . . . .			23,705
Receipts for the year 1910:—			
Appropriation . . . . .	\$1,900 00		
Received fees for sealing and adjusting . . . . .	509 22		
	<hr/>		\$2,409 22
Expenditures for the year 1910:—			
Telephone . . . . .	\$25 80		
Printing books and supplies . . . . .	126 09		
Amount paid for team . . . . .	255 00		
Amount paid for helper . . . . .	11 50		
Salary of sealer . . . . .	1,100 00		
Deputy . . . . .	800 00		
	<hr/>		
Total expenditures . . . . .			\$2,318 39
<hr/>			
Unexpended balance . . . . .			\$90 83

JOHN H. DUSSEAUT,  
Sealer of Weights and Measures.

## REPORT OF THE CITY SOLICITOR

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Somerville, January 18, 1911.

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 1910:—

*Abolition of Grade Crossings.* At Somerville avenue the work of construction is substantially completed. Three suits for land damages are still pending. A final decree was obtained in the Middlesex Superior Court March 3, 1910, for the abolition of the crossings at Medford street, Webster avenue, Dane street, and Park street. Work was begun at Webster avenue, and a large portion of the retaining wall has been constructed. Several claims for land damages at these crossings have already been adjusted by me, with the written approval of the railroad companies, the street railway company, and the attorney-general.

*Lowell-Street Bridges.* The work of construction is completed. No final settlements of claims for land damages have been made. Several such claims are now pending, and suits have been brought on two of the claims.

*Metropolitan Park District.* Commissioners were appointed by the Supreme Court to apportion among the cities and towns for five years the expenses of the district and the cost of the Charles river dam and basin. Many hearings were held by the commissioners. Their report, recently filed, but not yet confirmed by the court, apportions in general the expenses of the park district eighty-five per cent. according to valuation and fifteen per cent. according to population. Somerville is required to pay the following percentages as its share of expenses: For parks, .03241; for boulevards, .02929; for the Nantasket beach reservation, .02797. Under the apportionment made five years ago, the percentages paid by this city were .02866, .02994, and .02855. Population has not before been taken in this way as a basis for apportionment. Somerville is not the greatest loser by the change.

The act providing for the construction of the Charles river dam and basin requires Boston and Cambridge to pay the cost of a suitable bridge where the dam has replaced Craigie bridge. A committee, consisting of the city solicitors of Everett, Malden, Newton, and Somerville, was chosen to represent informally the interests of cities and towns in the district, other than Cambridge and Boston, in the presentation of evidence and arguments as to the cost of such a bridge. The total cost of the Charles river dam and basin to July 6, 1910, was \$3,877,817.69. The commissioners found that

\$1,100,000 should be paid by Boston and Cambridge as the cost of a suitable bridge, and \$100,000 additional as the cost of a temporary bridge. Boston is required by law to pay the cost of constructing the embankment and park on the southerly side of the basin, and this cost the commissioners found to be \$847,636.43. They reported that Boston should pay one-sixth of \$642,579.99, the cost of the marginal conduit on the southerly side of the basin, and that Cambridge should pay one-sixth of \$101,909.28, the cost of the conduit on the northerly side. The remainder of the cost of the dam and basin was apportioned among thirty-eight cities and towns in the district, including Boston and Cambridge, the percentage to be paid by Somerville being .02807.

*Alewife Brook.* The improvement of Alewife brook has been nearly finished in Somerville by the metropolitan park commission acting under the authority given it by chapter 529 of the Acts of the Legislature for the year 1907. In other places, however, some of the work contemplated by the original plan remains unfinished, and the money appropriated has been exhausted. It is probable that a bill will be presented this year to the legislature, providing that additional sums of money shall be paid by the Metropolitan park district and by Cambridge, Arlington, Belmont, and Somerville in order that the original plan of improvement may be fully carried out.

The boundary line between Arlington and Somerville has been changed to conform to the new line of the brook. (Acts of 1910, chapter 221.)

Several parcels of the land taken by the Metropolitan park commission near the brook have been transferred to this city, some portions of such parcels having formerly been in Arlington, and the commission has now under consideration a request for the transfer of additional land.

*Claims and Cases in Court.* Claims for injuries received by reason of defects in public ways were settled for \$300 and \$310. A land damage claim in connection with the laying out of Mystic avenue as a state highway was settled for \$750. A suit based on claims for injuries resulting in the death of a workman in the employ of the city was settled for \$2,000.

Very respectfully,

FRANK W. KAAH,  
City Solicitor.

## REPORT OF THE CITY CLERK.

OFFICE OF THE CITY CLERK, }  
January 2, 1911. }

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

Gentlemen,—The following is respectfully submitted as the thirty-ninth annual report of the city clerk of the city of Somerville, and is for the year ending December 31, 1910:—

The receipts and payments were as follows:—

### Receipts.

Balance from year 1909, being for dog licenses issued in December, 1909:—		
10 males at \$2 00 . . . . .	\$20 00	
1 female at \$5.00 . . . . .	5 00	
	\$25 00	
Less city clerk's fees paid to the city treasurer in December, 1909, 11 at \$20 . . . . .		2 20
		\$22 80
For dog licenses issued in 1910:—		
1,445 males at \$2.00 . . . . .	\$2,890 00	
274 females at \$5.00 . . . . .	1,370 00	
89 spayed at \$2.00 . . . . .	178 00	
1 breeder's license at \$25.00 . . . . .	25 00	
		4,463 00
Recording mortgages, assignments, etc., 826 papers . . . . .		\$510 00
Certificates of marriage intentions, 833 at \$1.00 . . . . .		833 00
Furnishing copies of records . . . . .		117 75
Licenses:—		
Amusements:—		
29 monthly licenses at \$4.00 . . . . .	\$116 00	
6 licenses for fractional parts of months . . . . .	13 00	
42 licenses at \$1.00 . . . . .	42 00	
		171 00
Auctioneers, 25 at \$2.00 . . . . .	50 00	
Billiard and pool tables and bowling alleys, 22 licenses for 60 tables and 12 alleys, at \$2.00 . . . . .	144 00	
Drivers, 4 at \$1.00 . . . . .	4 00	
Hackney carriages, 3 at \$1.00 . . . . .	3 00	
Intelligence offices:—		
10 licenses at \$2.00 . . . . .	\$20 00	
1 petition not acted on . . . . .	2 00	
		22 00
Collect junk:—		
28 licenses at \$10.00 . . . . .	\$280 00	
1 license for 1909, issued in 1910 . . . . .	10 00	
		\$290 00
Paid back on junk shop refused in 1909 . . . . .	25 00	
		265 00
Amounts carried forward . . . . .	\$2,119 75	\$4,485 80



Amounts brought forward . . . . .	\$2,119 75	\$4,485 80
Private detectives, 3 at \$10.00 . . . . .	30 00	
Slaughtering:—		
6 licenses at \$1.00 . . . . .	\$6 00	
Paid back on 1 refused in 1909 . . . . .	1 00	
	<u>5 00</u>	
Street musicians, 10 licenses for 20 per- sons at \$.50 . . . . .	10 00	
Wagons, 50 licenses for 115 wagons at \$1.00 . . . . .	115 00	
Wagon stands, 4 at \$1.00 . . . . .	4 00	
Permits to transport liquors:—		
18 permits (1 paid for in 1909), 17 at \$1.00 . . . . .	\$17 00	
1 refused and money not called for . . . . .	1 00	
	<u>\$18 00</u>	
Paid back on 2 refused in 1908 . . . . .	\$2 00	
Paid back on 4 refused in 1909 . . . . .	4 00	
	<u>6 00</u>	
	12 00	
Recording and issuing sixth-class liquor licenses, 33 licenses at \$1.00 . . . . .	33 00	
Filing certificates, 2 at \$.50 . . . . .	1 00	
Repairing and sale of junk badges . . . . .	2 25	
Sale of old ballots . . . . .	3 28	
Interest on deposits . . . . .	12 99	
	<u>2,348 27</u>	
Total receipts . . . . .		\$6,834 07
<b>Payments.</b>		
To Joseph O. Hayden, county treasurer, June 1 and December 1, receipts for dog licenses from December 1, 1909, to November 30, 1910, both inclusive:—		
1,455 males at \$2.00 . . . . .	\$2,910 00	
273 females at \$5.00 . . . . .	1,365 00	
89 spayed at \$2.00 . . . . .	178 00	
1 breeder's license at \$25.00 . . . . .	25 00	
	<u>\$4,478 00</u>	
Less city clerk's fees, 1,818 at \$.20 . . . . .	363 60	
	<u>\$4,114 40</u>	
To the city treasurer, monthly:—		
City clerk's fees for issuing and recording dog licenses, 1,809 at \$.20 . . . . .	\$361 80	
All the receipts above specified, except for dog licenses . . . . .	2,348 27	
	<u>2,710 07</u>	
Total payments . . . . .		\$6,824 47
Balance, January 1, 1911, being for dog li- censes issued in December, 1910:—		
2 females at \$5.00 . . . . .	\$10 00	
Less city clerk's fees paid to the city treasurer, 2 at \$.20 . . . . .	40	
	<u>\$9 60</u>	

**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 . . . . .	3
Common victuallers . . . . .	52
Innholders . . . . .	2
Drain layers . . . . .	10
Newsboys . . . . .	63
Junk collectors, to cry calling in streets . . . . .	27
To cry goods in streets . . . . .	64
To cry aloud to announce calling as scissors sharpener . . . . .	1
To cry aloud to announce calling as umbrella menders . . . . .	2
To ring bell in streets:—	
Ice cream venders . . . . .	6
Scissors' sharpeners . . . . .	6
Umbrella mender . . . . .	1
To set up and use engines:—	
Boiler . . . . .	1
Electric motors, 15 licenses for 25 motors . . . . .	25
Gas engines . . . . .	2
Steam engine . . . . .	1
To blast rock or stone . . . . .	6
To erect or use buildings for gasoline . . . . .	13
To erect or use buildings for garages . . . . .	98
To maintain projections over sidewalks:—	
Arc light, 1 permit for 2 lights . . . . .	2
Awnings . . . . .	4
Barber's pole . . . . .	1
Electric signs . . . . .	7
Post and signboard . . . . .	1
Shoe sign . . . . .	1
Signs, 13 permits for 15 signs . . . . .	15
Approval of location of stable . . . . .	1
To erect derricks and guy wires . . . . .	1
To erect furnace for melting metals . . . . .	1
To change locations of hitching-posts . . . . .	2
To construct trap and pipe under sidewalk . . . . .	1
To extend wire across street . . . . .	1
To move buildings through streets . . . . .	4
To parade in streets . . . . .	2
To hold open-air meetings . . . . .	4
To keep lying-in hospitals . . . . .	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.

1910.

Number of births reported by physicians and midwives for 1910:—

Males	798
Females	760

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 1910 will be given in the city clerk's report for the year 1911.

1909.

The following is a statement in full of the births for 1909:—

Number of births (exclusive of still-births) in Somerville in 1909 registered	1,708
Less than previous year	33
Males	901
Females	807
	<hr/> 1,708
Born of American parents	654
Born of foreign parents	678
Born of American father and foreign mother	189
Born of foreign father and American mother	171
Born of American mother and father of unknown nationality	9
Born of foreign mother and father of unknown nationality	7
	<hr/> 1,708
Number of still-births in Somerville in 1909 registered	64
Number of births in other places in 1909 registered	204
	<hr/> 1,976
Number reported by both canvasser and physician or midwife	1,398
Number reported by canvasser alone	275
Number reported by physician or midwife	197
Number reported by clerk or registrar of other place and canvasser	42
Number reported by clerk or registrar of other place and physician	13
Number reported by clerk or registrar of other place, canvasser and physician	3
Number reported by clerk or registrar of other place	32
Number of still-births taken from death records	16
	<hr/> 1,976
Number of cases of twins	27

**Marriages.**

Number of intention certificates issued in 1910 . . . . .		833
More than previous year . . . . .		65
Marriages registered . . . . .		870
More than previous year . . . . .		37
Both parties American . . . . .	466	
Both parties foreign . . . . .	196	
American groom and foreign bride . . . . .	114	
Foreign groom and American bride . . . . .	94	
	<hr/>	870 couples
First marriage of . . . . .	1546	
Second marriage of . . . . .	185	
Third marriage of . . . . .	9	
	<hr/>	870 couples

**Deaths.**

(Exclusive of still-births.)

Number of deaths in Somerville in 1910 . . . . .		1,043
More than previous year . . . . .		55
Males . . . . .	497	
Females . . . . .	546	
	<hr/>	1,043
Under ten years of age . . . . .	257	
10 and under 20 years of age . . . . .	25	
20 and under 30 years of age . . . . .	55	
30 and under 40 years of age . . . . .	70	
40 and under 50 years of age . . . . .	74	
50 and under 60 years of age . . . . .	126	
60 and under 70 years of age . . . . .	178	
70 and under 80 years of age . . . . .	169	
80 and under 90 years of age . . . . .	79	
90 years of age and over . . . . .	10	
	<hr/>	1,043
Age of oldest person deceased . . . . .	97 yrs.	
Born in Somerville . . . . .	247	
Born in other places in the United States . . . . .	445	
Of foreign birth . . . . .	344	
Birthplace unknown . . . . .	7	
	<hr/>	1,043
Number of deaths in January . . . . .	121	
“ “ “ “ February . . . . .	85	
“ “ “ “ March . . . . .	109	
“ “ “ “ April . . . . .	94	
“ “ “ “ May . . . . .	99	
“ “ “ “ June . . . . .	79	
“ “ “ “ July . . . . .	80	
“ “ “ “ August . . . . .	65	
“ “ “ “ September . . . . .	66	
“ “ “ “ October . . . . .	69	
“ “ “ “ November . . . . .	86	
“ “ “ “ December . . . . .	90	
	<hr/>	1,043

The number of still-births recorded during the year was sixty-one. In addition to the above, 183 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, 1910.	REGISTERED VOTERS.							
			Nov. 17, 1909.	Re- vised Lists of July 1, 1910.	Added in Sept. and Oct., 1910.	Oct. 19, 1910.	Added in Nov., 1910.	Nov. 23, 1910.	Voted Nov. 8, 1910.	Voted Dec. 13, 1910.
Ward 1 . . .	Precinct 1 . . .	1,307	640	606	30	636	15	651	464	352
" 1 . . .	" 2 . . .	510	284	248	9	257	7	264	194	132
" 1 . . .	" 3 . . .	533	320	286	10	296	11	307	239	183
" 1 . . .	" 4 . . .	616	310	278	11	289	26	315	231	257
		2,966	1,554	1,418	60	1,478	59	1,537	1,128	924
Ward 2 . . .	Precinct 1 . . .	1,101	402	360	21	381	15	396	298	229
" 2 . . .	" 2 . . .	1,454	649	580	50	630	16	646	506	310
" 2 . . .	" 3 . . .	842	384	331	43	374	8	382	298	184
		3,397	1,435	1,271	114	1,385	39	1,424	1,102	723
Ward 3 . . .	Precinct 1 . . .	1,022	738	664	33	697	3	700	543	315
" 3 . . .	" 2 . . .	1,264	752	716	39	755	6	761	622	384
		2,286	1,490	1,380	72	1,452	9	1,461	1,165	699
Ward 4 . . .	Precinct 1 . . .	1,368	823	750	52	802	18	820	617	368
" 4 . . .	" 2 . . .	1,000	629	575	44	619	7	626	494	277
		2,368	1,452	1,325	96	1,421	25	1,446	1,111	645
Ward 5 . . .	Precinct 1 . . .	1,414	942	862	54	916	13	929	759	465
" 5 . . .	" 2 . . .	705	435	396	28	424	4	428	342	210
" 5 . . .	" 3 . . .	950	554	505	51	556	7	563	462	297
		3,069	1,931	1,763	133	1,896	24	1,920	1,563	972
Ward 6 . . .	Precinct 1 . . .	1,593	861	807	58	865	11	876	644	330
" 6 . . .	" 2 . . .	1,283	763	681	71	752	15	767	588	304
" 6 . . .	" 3 . . .	1,090	718	650	58	708	4	712	569	257
		3,966	2,342	2,138	187	2,325	30	2,355	1,801	891
*Ward 7 . . .	Precinct 1 . . .	779	1,008	512	67	579	6	585	487	229
" 7 . . .	" 2 . . .	1,161	602	634	51	685	11	696	562	311
" 7 . . .	" 3 . . .	938	665	461	68	529	9	538	418	225
" 7 . . .	" 4 . . .	838	....	502	45	547	13	560	444	258
		3,716	2,275	2,109	231	2,340	39	2,379	1,911	1,023
City . . .		21,768	12,479	11,404	893	12,297	225	12,522	9,781	5,877

\* Precinct lines of Ward 7 changed January 31, 1910.

## WOMEN'S VOTING LISTS.

WARD.	PRECINCT.	Nov. 17, 1909.	Revised Lists of July 1, 1910.	Added in Sept. Oct. and Nov., 1910.	Nov. 23, 1910.	Voted Decem- ber 13, 1910.
Ward 1 . . . . .	Precinct 1 . .	46	42	2	44	5
" 1 . . . . .	" 2 . .	4	4	..	4	..
" 1 . . . . .	" 3 . .	11	10	..	10	..
" 1 . . . . .	" 4 . .	22	18	..	18	..
		83	74	2	76	5
Ward 2 . . . . .	Precinct 1 . .	3	3	..	3	..
" 2 . . . . .	" 2 . .	3	3	1	4	..
" 2 . . . . .	" 3 . .	1	1	..	1	..
		7	7	1	8	..
Ward 3 . . . . .	Precinct 1 . .	34	31	10	41	11
" 3 . . . . .	" 2 . .	43	38	..	38	5
		77	69	10	79	16
Ward 4 . . . . .	Precinct 1 . .	18	18	1	19	1
" 4 . . . . .	" 2 . .	18	17	..	17	1
		36	35	1	36	2
Ward 5 . . . . .	Precinct 1 . .	34	29	..	29	3
" 5 . . . . .	" 2 . .	12	12	..	12	3
" 5 . . . . .	" 3 . .	8	7	..	7	..
		54	48	..	48	6
Ward 6 . . . . .	Precinct 1 . .	59	54	..	54	7
" 6 . . . . .	" 2 . .	14	13	..	13	1
" 6 . . . . .	" 3 . .	3	2	..	2	1
		76	69	..	69	9
*Ward 7 . . . . .	Precinct 1 . .	123	26	..	26	4
" 7 . . . . .	" 2 . .	82	109	..	109	11
" 7 . . . . .	" 3 . .	39	61	1	62	3
" 7 . . . . .	" 4 . .	....	30	-1	29	..
		244	226	..	226	18
City . . . . .		577	528	14	542	56

\*Precinct lines of Ward 7 changed January 31, 1910.

## 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 8, 1910 :—

CANDIDATE.	PARTY.	WARDS.							TOTAL.
		1	2	3	4	5	6	7	
<b>GOVERNOR.</b>									
Eben S. Draper,	Republican,	497	234	661	683	869	981	1,122	5,047
Eugene N. Foss,	Democratic,	516	737	399	340	573	667	615	3,847
Eugene N. Foss,	{ Dem. Pro. { Nom. Paper,	28	57	35	21	51	61	55	308
Eugene N. Foss,		34	31	17	19	23	20	18	162
John A. Nichols,	Prohibition,	2	4	7	11	11	13	20	68
Moritz E. Ruther,	{ Socialist { Labor,	16	4	3	2	9	7	6	47
Daniel A. White,	Socialist,	20	21	21	10	9	35	44	160
Robert Luce,		.....	.....	1	.....	.....	.....	.....	1
Blank,		15	14	21	25	18	17	31	141
<b>LIEUTENANT-GOVERNOR.</b>									
Thomas F. Cassidy,	{ Democratic, { Ind. Nom. { Paper,	475	746	363	300	637	594	517	3,632
Louis A. Frothingham,	Republican,	546	255	731	738	833	1,089	1,260	5,452
Henry C. Hess,	{ Socialist { Labor,	10	9	4	4	11	11	10	59
Patrick Mahoney,	Socialist,	23	14	20	15	22	21	39	154
William G. Merrill,	Prohibition,	10	5	15	21	9	24	34	118
Blank,		64	73	32	33	51	62	51	366
<b>SECRETARY.</b>									
Harriet D'Orsay,	Socialist,	23	24	18	17	55	40	42	219
Charles J. Martell,	Democratic,	442	707	310	242	437	506	391	3,035
Andrew Mortenson,	{ Socialist { Labor,	17	40	14	54	14	23	25	187
William M. Olin,	Republican,	564	229	749	720	980	1,121	1,331	5,694
William E. Thomas,	Prohibition,	11	2	13	20	17	13	27	108
Blank,		71	100	61	58	60	93	95	538
<b>TREASURER AND RECEIVER-GENERAL.</b>									
Carl Fredrikson,	{ Socialist { Labor,	6	9	3	7	12	12	9	58
Thomas A. Frissell	Prohibition,	6	3	9	13	14	20	23	88
Sylvester J. McBride,	Socialist,	33	18	24	15	17	31	46	184
Benjamin F. Peach,	Democratic,	426	703	345	240	486	483	388	3,071
Elmer A. Stevens,	Republican,	590	275	715	772	985	1,160	1,363	5,860
Blank,		67	94	69	64	49	95	82	520
<b>AUDITOR.</b>									
John Holt,	Prohibition, { Socialist	4	7	11	18	19	23	26	108
Jeremiah P. McNally,	{ Labor,	8	8	3	6	7	8	11	51
Ambrose Miles,	Socialist,	25	20	19	16	23	31	59	193
Charles C. Paine,	Democratic,	434	700	315	247	474	508	386	3,064
Henry E. Turner,	Republican,	561	244	728	733	954	1,104	1,293	5,617
Blank,		96	123	89	91	86	127	136	748

CANDIDATE.	PARTY.	WARDS.							TOTAL.
		1	2	3	4	5	6	7	
<b>ATTORNEY-GENERAL.</b>									
Dennis McGoff,	{ Socialist	7	13	3	5	10	13	9	60
Harold Metcalf,	} Labor,	29	19	30	21	27	41	49	216
John B. Ratigan	Socialist,	430	707	308	241	471	489	398	3,044
James M. Swift,	Democratic,	549	246	732	750	971	1,127	1,306	5,681
Blank,	Republican,	113	117	92	94	84	131	149	780
<b>REPRESENTATIVE IN CONGRESS, 8TH DISTRICT.</b>									
Frederick S. Deitrick,	Demoeratic,	479	737	350	283	528	582	523	3,482
Samuel W. McCall,	Republican,	559	244	743	752	970	1,098	1,259	5,625
Charles A. Grimmons,		.....	.....	.....	.....	1	.....	.....	1
Blank,		90	121	72	76	64	121	129	673
<b>COUNCILLOR.</b>									
Walter S. Glidden,	Republican,	560	257	645	712	896	1,077	1,225	5,372
George T. Rendle,	Democratic,	477	709	402	301	548	548	504	3,489
Charles A. Burns,		.....	.....	.....	.....	1	.....	.....	1
Blank,		91	136	118	98	118	176	182	919
<b>SENATOR.</b>									
Charles V. Blanchard,	Republican,	533	236	721	734	908	1,101	1,333	5,536
John Diggins,	Democratic,	505	749	367	303	572	577	489	3,562
Charles T. Hall,		.....	.....	.....	.....	1	.....	.....	1
Blank,		90	117	77	74	82	123	119	682
<b>REPRESENTATIVES, 25TH DIST. (3)</b>									
William M. Armstrong,	Republican,	541	.....	749	710	901	.....	.....	2,901
Joseph T. Cotter,	Democratic,	430	.....	335	251	508	.....	.....	1,524
William T. McCarthy,	Democratic,	433	.....	311	226	469	.....	.....	1,439
Ray R. Rideout,	Republican,	501	.....	645	685	864	.....	.....	2,695
Charles Leo Shea,	Democratic,	427	.....	291	300	459	.....	.....	1,477
Charles L. Underhill,	Republican,	474	.....	659	626	838	.....	.....	2,597
Jesse S. Newcome,		.....	.....	.....	.....	1	.....	.....	1
Blank,		578	.....	505	535	649	.....	.....	2,267
<b>REPRESENTATIVES, 26TH DIST. (3)</b>									
Zebedee E. Cliff,	Republican,	.....	218	.....	.....	.....	1,002	1,272	2,492
Leon M. Conwell,	Republican,	.....	205	.....	.....	.....	1,023	1,180	2,408
Charles W. Eldridge,	Republican,	.....	231	.....	.....	.....	1,099	1,206	2,536
Joseph A. Haley,	Democratic,	.....	720	.....	.....	.....	508	449	1,677
Bernard J. Sheridan,	Democratic,	.....	666	.....	.....	.....	545	486	1,697
John L. White,	Democratic,	.....	618	.....	.....	.....	529	465	1,612
David J. Fulton,		.....	.....	.....	.....	.....	1	.....	1
Blank,		.....	648	.....	.....	.....	696	675	2,019
<b>COUNTY COMMISSIONER.</b>									
Charles H. Richardson,	Republican,	553	251	716	738	941	1,094	1,281	5,574
Dexter C. Whittemore,	Democratic,	441	689	333	242	505	512	452	3,174
Blank,		134	162	116	131	117	195	178	1,033
<b>COUNTY COMMISSIONER, to fill va- cancy.</b>									
Winthrop H. Fairbanks,	Democratic,	451	683	939	275	523	544	485	3,300
Chester B. Williams,	Republican,	541	249	709	701	902	1,058	1,298	5,368
Blank,		136	170	117	135	138	199	218	1,113



CANDIDATE.	PARTY.	WARDS.							TOTAL.
		1	2	3	4	5	6	7	
<b>ASSOCIATE COMMISSIONERS. (2.)</b>									
Leander V. Colahan,	Democratic,	397	655	290	219	458	485	385	2,889
Joseph L. Marin,	Democratic,	398	647	283	214	440	460	381	2,823
Frank A. Patch,	Republican,	496	205	663	663	857	1,004	1,172	5,060
Edward Everett Thompson,	Republican,	514	234	693	603	895	1,054	1,212	5,295
Blank,		451	463	401	433	476	599	672	3,495
<b>DISTRICT ATTORNEY.</b>									
John J. Higgins,	Republican,	622	330	781	789	1,011	1,185	1,339	6,057
James J. Irwin,	Democratic,	414	671	301	252	482	492	454	3,066
Blank,		92	101	83	70	70	124	118	658
<b>SHERIFF.</b>									
John R. Fairbairn,	Republican,	598	319	767	780	984	1,190	1,361	5,999
Whitfield L. Tuck,	Democratic,	408	652	295	239	474	467	406	2,941
Blank,		122	131	103	92	105	144	144	841

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 13, 1910:—

CANDIDATE.	PARTY.	WARDS.							TOTAL.
		1	2	3	4	5	6	7	
MAYOR.									
Charles A. Burns,	Republican,	541	249	546	522	771	671	876	4,176
Thomas M. Nolan,	Democratic,	353	458	141	101	193	204	125	1,575
Sidney B. Keane,					1		1		1
Sydney B. Keene,							1		1
Nicholas H. Flynn,							14		14
Blank,		30	16	12	21	8		22	123
ALDERMAN-AT-LARGE, WARD 1.									
Fred E. Hanley,	Republican,	588	281	515	499	736	641	794	4,054
John J. McCarthy,		1							1
Blank,		335	442	184	146	236	250	229	1,822
ALDERMAN-AT-LARGE, WARD 2.									
George A. Wilson,	Republican,	497	329	516	473	726	630	783	3,954
Blank,		427	394	183	172	246	261	240	1,943
ALDERMAN-AT-LARGE, WARD 3.									
Charles W. Boyer,	Republican,	481	248	503	468	705	616	768	3,789
W. M. Pickett,				1					1
Blank,		443	475	195	177	267	275	255	2,087
ALDERMAN-AT-LARGE, WARD 4.									
William P. Jones,	Republican,	426	175	474	490	635	571	756	3,527
Patrick J. Mooney,	Democratic,	283	377	114	92	193	174	90	1,323
Blank,		215	171	111	63	144	146	177	1,027
ALDERMAN-AT-LARGE, WARD 5.									
Gerald A. Gardner,	Republican,	467	233	497	461	752	613	751	3,774
Blank,		457	490	202	184	220	278	272	2,103
ALDERMAN-AT-LARGE, WARD 6.									
Oscar H. Belding,	Republican,	476	249	500	462	714	673	780	3,854
Blank,		448	474	199	183	258	218	243	2,023
ALDERMAN-AT-LARGE, WARD 7.									
Ralph M. Smith,	Republican,	470	240	492	458	708	636	867	3,871
Blank,		454	483	207	187	264	255	156	2,006
WARD ALDERMEN (2) WARD 1.									
Ernest F. Flagg,	Democratic,	420							420
Wallace E. Loveless,	Republican,	436							436
William H. Smith,	Republican,	452							452
Sylvester Woods,	Democratic,	353							353
Blank,		187							187

CANDIDATE.	PARTY.	WARDS.							TOTAL.
		1	2	3	4	5	6	7	
WARD ALDERMEN (2) WARD 2.									
Walter W. Burke,	Republican,	...	169	....	....	...	....	....	169
Edmond Russell,	Democratic,	....	434	....	....	....	....	....	434
Josiah Stevenson,	Republican,	...	174	....	....	....	....	....	174
Alfred J. Toomey,	Democratic,	....	450	....	....	....	....	....	450
Blank,		....	229	....	....	....	....	....	229
WARD ALDERMEN (2) WARD 3.									
Oscar W. Coddling,	Republican,	....	....	492	....	...	...	....	492
Frank R. Dunklee,	Republican,	....	....	507	....	....	....	....	507
Edward M. McCarty,	Democratic,	....	....	134	....	....	....	....	134
Blank,		....	....	265	....	....	....	....	265
WARD ALDERMEN (2) WARD 4.									
Samuel P. Carrick,	Democratic,	....	....	....	69	....	....	....	69
William N. Cartwright,	Democratic,	....	....	....	89	....	....	....	89
Charles W. Hodgdon,	Republican,	....	....	....	475	....	....	....	475
Leod MacLeod,	Republican,	....	....	....	492	....	....	....	492
Blank,		....	....	....	165	....	....	....	165
WARD ALDERMEN (2) WARD 5.									
Richard F. Churchill,	Republican,	....	....	....	....	727	....	....	727
Charles A. Draper,	Republican,	....	....	....	....	673	....	....	673
Ellsworth Fiske,		....	....	....	....	3	....	....	3
F. Q. Harrington,		....	....	....	....	1	....	....	1
Blank,		....	....	....	....	540	....	....	540
WARD ALDERMEN (2) WARD 6.									
Joseph O. Knox,	Republican,	....	....	....	....	....	647	....	647
Oscar G. Sargent,	Republican,	....	....	....	....	....	596	....	596
Walter F. Turner,		....	....	....	....	....	3	....	3
John L. White,		....	....	....	....	....	1	....	1
Blank,		....	....	....	....	....	535	....	535
WARD ALDERMEN (2) WARD 7.									
William B. Brown,	Republican,	....	....	....	....	....	....	791	791
Harry G. Chase,	Republican,	....	....	....	....	....	....	857	857
Blank,		....	....	....	....	....	....	398	398
SCHOOL COMMITTEE(2 yrs.) WARD 1.									
Emory F. Chaffee,	Republican,	514	....	....	....	....	....	....	514
Joseph M. Herlihy,		1	....	....	....	....	....	....	1
Blank,		414	....	....	....	....	....	....	414
SCHOOL COMMITTEE(2 yrs.) WARD 2.									
Thomas M. Clancy,	{ Democratic,	....	542	....	....	....	....	....	542
Blank,	{ Republican,	....	181	....	....	....	....	....	181
SCHOOL COMMITTEE(2 yrs.) WARD 3.									
Albert C. Ashton,	Republican,	....	....	564	....	....	....	....	564
Mary F. Lincoln,		....	....	1	....	....	....	....	1
S. Homer Marks,		....	....	1	....	....	....	....	1
Leila C. Pennock,		....	....	3	....	....	....	....	3
Blank,		....	....	146	....	....	....	....	146

CANDIDATE.	Party.	WARDS.							TOTAL.
		1	2	3	4	5	6	7	
SCHOOL COMMITTEE (2 yrs ) WARD 4.									
George W. Foster,	Republican,	...	....	...	502	....	....	....	502
Seth Taylor, Jr.,	Democratic,	....	....	....	82	....	....	....	82
Blank,		....	....	....	63	....	....	....	63
SCHOOL COMMITTEE (2 yrs.) WARD 5.									
J. Walter Sanborn,	Republican,	....	....	....	....	784	....	....	784
Blank,		....	....	....	....	194	....	....	194
SCHOOL COMMITTEE (2 yrs.) WARD 6.									
Mary R. Brewer,	Republican,	....	....	....	....	....	688	....	688
Dr. F. M. White,		....	....	....	....	....	1	....	1
Blank,		....	....	....	....	....	211	...	211
SCHOOL COMMITTEE (2 yrs.) WARD 7.									
Lilla H. Tainter,	Republican,	....	....	....	....	....	....	886	886
Blank,		....	....	....	....	....	....	155	155
SHALL LICENSES BE GRANTED FOR THE SALE OF INTOXICAT- ING LIQUORS IN THIS CITY?									
Number of "Yes" votes,		339	412	158	103	195	197	140	1,544
Number of "No" votes,		501	233	514	514	736	639	831	3,968
Blank,		84	78	27	28	41	55	52	365

## 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

\* Census.

## ORDINANCES.

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Somerville, January 2, 1911.

The following ordinances have been adopted since the printing of the annual reports for the year 1909:—

### No. 78.

#### **An Ordinance Regulating the Erection and Use of Garages for Automobiles.**

*Be it ordained by the Board of Aldermen of the City of Somerville, as follows:—*

Section 1. No person shall erect, occupy, or use for a garage any building or structure unless licensed by the board of aldermen after a public hearing, and only to the extent so licensed, and only in accordance with existing and future orders and ordinances of this board and the terms of the license.

Section 2. The term "garage" shall be understood to mean a place for keeping or storing an automobile or several automobiles. The term "automobile" shall be understood to mean a vehicle propelled by any power other than muscular, except steam railroad cars and engines and street railway cars, and vehicles running on less than four wheels.

Section 3. The provisions of this ordinance shall apply to buildings and structures heretofore erected, as well as to buildings and structures hereafter erected; but shall not be construed to repeal or to impair the validity of a certain ordinance approved December 15, 1907, entitled "An Ordinance Regulating the Erection and Maintenance of Garages for Automobiles."

Section 4. Whoever violates a provision of this ordinance shall be liable to a penalty of not more than twenty dollars for each offence.

Section 5. This ordinance shall take effect on the first day of August in the year 1910.

*Approved May 27, 1910.*

### No. 79.

#### **An Ordinance Relative to Notices of Hearings, etc.**

*Be it ordained by the Board of Aldermen of the City of Somerville, as follows:—*

Section 1. Whenever any petition is filed with the city clerk on which a hearing before the board of aldermen is required, he shall cause notice to be given of such hearing to be held at the next convenient regular meeting of the board.

Section 2. Whenever application for license for the sale of intoxicating liquors is filed with the city clerk, he shall cause notice of the same to be given as required by law.

Section 3. Before such notice is given the petitioner shall deposit with the city clerk a sum of money sufficient to pay the expense of such notice.

Section 4. In such case where it is provided by law or by ordinance that notice of such hearing shall be given by publication, such notice shall be published in the weekly newspaper having the largest circulation of such newspapers published in the section of the city in

which the premises stated in the petition are located. For the purpose of this ordinance the city is divided into two sections by the middle line of Cedar street and Cedar street extended.

Section 5. This ordinance shall take effect upon its passage.

*Approved May 27, 1910.*

### **No. 80.**

#### **An Ordinance Relating to the Fire Department.**

*Be it ordained by the Board of Aldermen of the City of Somerville, as follows:—*

Section 1. Section 1 of Chapter XVIII. of the Revised Ordinances of 1900 is hereby amended by striking out the words "one assistant engineer," and inserting in place thereof the words: a first assistant engineer, and a second assistant engineer who shall also perform the duties of a captain.

Section 2. Section 3 of said chapter is hereby amended by striking out the words "assistant engineer," and inserting in place thereof the words: assistant engineers.

Section 3. Section 4 of said chapter is hereby amended by striking out the words "assistant engineer," and inserting in place thereof the words: first assistant engineer, and if he is not present the second assistant engineer; and by striking out the words "his assistant," and inserting in place thereof the words: an assistant engineer.

Section 4. This ordinance shall take effect upon its passage.

*Approved May 27, 1910.*

### **No. 81.**

#### **An Ordinance Relative to Captains and Lieutenants in the Fire Department.**

*Be it ordained by the Board of Aldermen of the City of Somerville, as follows:—*

Section 1. Section 1 of Chapter XVIII. of the Revised Ordinances of 1900 is hereby amended by inserting after the sixth paragraph in said section a new paragraph, as follows:—

All captains and all lieutenants shall be permanent members of the department.

Section 2. This ordinance shall take effect upon its passage.

*Approved June 13, 1910.*

FREDERIC W. COOK,  
City Clerk.

## JURY LIST OF THE CITY OF SOMERVILLE.

Prepared by the Registrars of Voters June 13, 1910.

### A

Ackerman, Herman E., 14 Bay State avenue, Shoe dealer.  
Adams, Arthur E., 74 Bay State avenue, Manager.  
Adams, Charles S., 9 Holyoke road, Salesman.  
Adcock, John H., 205 Highland avenue, Plumber.  
Ainsworth, Fred W., 330-A Highland avenue, Stock broker.  
Alexander, Harrison B., 6 Dartmouth street, Baggage master.  
Allen, J. Edward, 52 Hall avenue, Manager.  
Alletzhauser, Frederick, 9 Wheatland street, Jeweler.  
Amme, Albert F., 17 Russell street, Stationer.  
Andrews, Francis H., 27 Knowlton street, Brakeman.  
Andrews, Horace W., 172 Broadway, Builder.  
Appel, Charles A., 45 Willow avenue, Office manager.  
Appley, Josiah H., 40 Brastow avenue, Gasfitter.  
Arnold, E. Olney, 56 School street, Carpet cleaner.  
Ashton, Albert C., 33 Columbus avenue, Manager.  
Ashworth, Fred N., 104 Cross street, Manufacturer.  
Atkinson, Thomas, 69 Highland road, Superintendent.  
Attwood, J. Lorenzo, 12 Park avenue, Bookkeeper.  
Atwater, George W., 1 Avon street, Car starter.  
Atwood, Horace F., 38 Windsor road, Accountant.  
Avery, J. Edward, 55 Derby street, Clerk.  
Ayer, Fred C., 157 Highland avenue, Lumber dealer.  
Aylward, William P., 5 Cameron avenue, Manager.

### B

Babcock, Cyrus W., 23 Chandler street, Box manufacturer.  
Baier, Fred J., 7 Shawmut place, Electrician.  
Baker, Charles T., 93 Munroe street, Estimator.  
Baker, Jacob, 38 Pritchard avenue, Hardware dealer.  
Baldwin, Edwin C., 83 Curtis street, Bookkeeper.  
Bancroft, Edward A., 31 School street, Barrel dealer.  
Barker, Edgar C., 12 Ellsworth street, Clerk.  
Barker, James A., 140 School street, Auctioneer.  
Barnes, Edmund K., 77 Lexington avenue, Chemist.  
Barr, George S., 27 Electric avenue, Salesman.  
Barstow, William N., 49 Francesca avenue, Salesman.  
Batchelder, George W., 20 Madison street, Foreman.  
Bateman, Charles R., 1228 Broadway, Motorman.  
Bateman, Louis O., 72 Highland road, Salesman.  
Baxter, Charles H., Jr., 3 Thurston street, Salesman.  
Bean, John D., 3 Lincoln street, Teamster.  
Beckman, Frank W., 39 Stone avenue, Foreman.  
Belcher, Albert W., 57 Highland road, Traveling salesman.  
Belden, Lawrence A., 51 Avon street, Clothier.  
Bellows, George M., 611 Broadway, Agent.  
Bennett, George H., 15 Pritchard avenue, Mechanic.  
Bennett, Herbert E., 13 Charnwood road, Stationary engineer.  
Bent, J. Fletcher, 51 Hall avenue, Traveling salesman.  
Bentley, George W., 19 Adams street, Com. merchant.  
Benway, Charles H., 66 Fremont street, Real estate agent.



Benwell, Harry A., 98 Kidder avenue, Reporter.  
 Berglind, John E., 53 Dickinson street, Machinist.  
 Berry, Andrew C., 3 Centre street, Engraver.  
 Berry, Arthur W., 53 Hudson street, Builder.  
 Berton, John F., 154 Morrison avenue, Painter.  
 Bigley, William J., 157 College avenue, Merchant.  
 Billings, George A., 75 Willow avenue, Collector.  
 Bishop, Thomas J., 70 Flint street, Expressman.  
 Bishop, William F., 20 Wheeler street, Bookkeeper.  
 Blake, Charles S., 19 Banks street, Jeweler.  
 Blanchard, C. Frederick, 2 Curtis avenue, Real estate agent.  
 Bliss, Winthrop R., 66 Putnam street, Insurance agent.  
 Blondell, Richard A. L., 82 Pearson avenue, Plumbing supplies dealer.  
 Bolton, Harry P., 10 Crescent street, Brakeman  
 Bond, Percy C., 13 Summit avenue, Builder.  
 Boody, George R., 26 Josephine avenue, Stereotyper.  
 Booth, William G., 51 College avenue, Artist.  
 Bosworth, James D., 9 Teele avenue, Electrical engineer.  
 Bosworth, William H., 10 Powder House terrace, Advertising agent.  
 Boutillier, Ernest G., 41 Ash avenue, Salesman.  
 Bowdren, Michael J., 39 Maple street, Gardener.  
 Bowker, Frank P., 31 Avon street, Clerk.  
 Bowlby, James L., 3 Harvard place, Teamster.  
 Boyer, George R., 29 Wigglesworth street, Carpenter.  
 Boyd, Everett W., 147 Powder House boulevard, Manager.  
 Brack, Frederick, 33 Cambria street, Insurance agent.  
 Brackett, Harry E., 46 Cedar street, Salesman.  
 Bradbury, John J., 52 Adams street, Produce dealer.  
 Brastow, George K., 162 Summer street, Real estate agent.  
 Braxton, Robert S., 29-A Walter street, Teamster.  
 Bremner, John A., 49 Bow street, Paper hanger.  
 Brewer, George C., 170 Summer street, Salesman.  
 Brigham, Walter J., 37 Charnwood road, Collector.  
 Brine, Charles F., 36 Columbus avenue, No occupation.  
 Brine, Henry C., 21 Greene street, Merchant.  
 Broadhead, William H., 86 School street, Electrician.  
 Brock, John F., 60 Ossipee road, Salesman.  
 Brodil, William A., 7 Lexington avenue, Tailor.  
 Brown, Burton S., 706 Broadway, Bookkeeper.  
 Brown, Duncan, 23 Cedar street, Printer.  
 Brown, George E., 14 Grand View avenue, Salesman.  
 Brown, Linwood G., 4 Taunton street, Carpenter.  
 Brownlee, Edward J., 34 Ash avenue, Salesman.  
 Bryant, Oliver S., 29 Aberdeen road, Weigher.  
 Buffum, Charles F., 21 Hudson street, Tailor.  
 Bullard, Walter H., 22 Stickney avenue, Broker.  
 Burgess, William H., 38 Cambria street, Bond dealer.  
 Burke, James E., 41 Derby street, Real estate agent.  
 Burnham, Arthur W., 66 Rogers avenue, Traveling salesman.  
 Burroughs, Edwin F., 24 Park avenue, Paymaster.  
 Butler, James A., 162 Lowell street, Real estate agent.  
 Butters, Charles S., 51 Church street, Grocer.  
 Butters, Harold A., 48 Putnam street, Grocer.  
 Butterworth, Elwell R., 35 Pearl street, Assistant superintendent.

## C

Cadwallader, Thomas J., 3 Lawson terrace, Clerk.  
 Cahalan, Charles W., 89 Heath street, Plumber.  
 Cahoon, Benjamin B., 46 Mystic avenue, Manager.  
 Callaghan, Thomas J., 39 Poplar street, Yard master.

Callow, John R., 42 Concord avenue, Inspector.  
Cameron, George B., 170 Powder House boulevard, Builder.  
Campbell, Henry F., 414 Medford street, Engine manufacturer.  
Campbell, William J., 19 Putnam street, Machinist.  
Card, Frederick L., 243 Pearl street, Grocer.  
Carey, Alfred E., 19 Newbury street, Insurance agent.  
Carlton, Fred I., 100 Porter street, Pattern maker.  
Carpenter, Adelbert B., 58 Central street, Provision dealer.  
Carr, Eugene P., 18 Benton road, Jewelry manufacturer.  
Carr, Fred M., 12 Westwood road, Jewelry manufacturer.  
Carr, Charles Harvey, 58 Lowden avenue, Printer.  
Carrick, Samuel P., 271 Medford street, Reporter.  
Carvill, Sewell A., 28 Highland avenue, Clerk.  
Cass, Frank L., 35 Montrose street, Brakeman.  
Castleman, James T., 35 Laurel street, Clerk.  
Caton, Albertiss M., 189 School street, Manager.  
Chapin, Alonzo B., 11 Mystic street, Collector.  
Chapman, Amasa L., 68 Flint street, Stationary engineer.  
Chase, Washington I., 85 Vine street, Distiller.  
Cheever, Albert S., 6 Aldersey street, Superintendent.  
Cheney, Frederick E., 11 Oakland avenue, Grocer.  
Chickering, William H., 15 Evergreen avenue, Clerk.  
Chisholm, Robert A., 35 Cutter street, Blacksmith.  
Choate, Melville E., 63 Walnut street, Clerk.  
Christie, Alexander B., 159 Glen street, Teamster.  
Christie, Trott K., 24 Oliver street, Teamster.  
Clark, Charles W., 21 Westminster street, Provision dealer.  
Clark, George W., 65 Central street, Baker.  
Clarke, Wilbur S., 40 Vinal avenue, Manager.  
Clement, Otis S., 160 Highland avenue, Clerk.  
Clifford, Rupert F., 54 Willow avenue, Manager.  
Clough, Warren A., 40 School street, Pattern maker.  
Coan, Thomas S., 18 Fremont street, Bookkeeper.  
Coffin, Clarence D., 67 Hall avenue, Mason.  
Colcord, Albert P., 20 Pritchard avenue, Clerk.  
Cole, Herbert A., 34 Pearl street, No occupation.  
Collins, John D., 22 Vine street, Mason.  
Colman, Charles W., 151 Central street, Architect.  
Comfort, James J., 9 Hammond street, Conductor.  
Comstock, Milo M., 9 Burnside avenue, Traveling salesman.  
Conant, Clarence T., 147 Hudson street, Milkman.  
Condit, Fred H., 255 Medford street, Musician.  
Connor, Michael J., 10 Columbus avenue, Tailor.  
Cook, Forrest D., 181 Powder House boulevard, Reporter.  
Copithorne, John, 81 School street, Carpenter.  
Corliss, Charles H., 36 Greenville street, Com. merchant.  
Corner, Frank B., 19 Highland road, Traveling salesman.  
Corwin, Charles J., 195 Highland avenue, Auditor.  
Corwin, Charles R., 169 Summer street, Poultry dealer.  
Countway, Francis A., 28 Robinson street, Manager.  
Cowan, John F., 332 Summer street, Printer.  
Cox, Edgar M., 303 Washington street, News dealer.  
Crenner, Bartlett P., 61 Adams street, Leather merchant.  
Crocker, Charles F., 42 Curtis street, Provision dealer.  
Crocker, Lancis S. J., 19 Church street, Foreman.  
Cromwell, Joseph H., 209-A Highland avenue, Ship chandler.  
Crowell, Albert F., 53 Rogers avenue, Bookkeeper.  
Crowell, Austin, 22 Walnut street, Tailor.  
Crowell, Cutler C., 85 Benton road, Printer.  
Cummings, Cecil H., 19 Robinson street, Provision dealer.

Cunningham, Thomas A., 60 Beacon street, Grocer.  
 Cutler, Alfred M., 234 Medford street, No occupation.  
 Cutler, Frank E., 44 Walnut street, Painter.

**D**

Dadmun, Leon E., 97 Morrison avenue, Photographer.  
 Dainty, Henry, 216 School street, No occupation.  
 Dalton, James H., 39 Hall avenue, Grocer.  
 Dame, Levi A., 64 Putnam street, Real estate agent.  
 Danforth, George E., 149 Lowell street, Clerk.  
 Daniels, Harry F., 21 Munroe street, Clerk.  
 Darby, Frederick C., 48 Mystic avenue, Carpenter.  
 Dardis, John F., 307 Washington street, Furniture polisher.  
 Davenport, Howard H., 86 Munroe street, Manager.  
 Davis, Albert I., 35 Fairmount avenue, Bookkeeper.  
 Davison, George Melville, 59 Victoria street, Steam fitter.  
 Dawson, Howard, 70 Albion street, Credit clerk.  
 Day, Eugene H., 39 Hudson street, Mechanic.  
 Dean, Clarence H., 26 Lowden avenue, Shipper.  
 Dedrick, Clarence H., 94 Josephine avenue, Clerk.  
 Delay, James, 48 Beacon street, Florist.  
 Delorme, George F., 29 Trull street, Nickel plater.  
 Dellea, John J., 26 Otis street, Expressman.  
 Dennett, John M., 23 William street, Stable keeper.  
 Denvir, William E., 197 Summer street, Shipper.  
 Despeaux, George W., 46 Burnside avenue, Collector.  
 Dick, David, 36 Newbury street, Sawyer.  
 Dickey, William E., 33 Bromfield road, Salesman.  
 Dillaby, Charles P., 34 Banks street, Draughtsman.  
 Dinsmore, Fred C., 8 Arthur street, Expressman.  
 Dobinson, William J., 22 Greene street, Photo engraver.  
 Dodge, Edwin G., 21 Benedict street, Photographer.  
 Doherty, Cornelius A., 75 Cross street, Teamster.  
 Dolben, William H., 55 Ossipee road, Mechanical engineer.  
 Dolliver, Edwin C., 176 Summer street, Merchant.  
 Donaldson, Charles A., 153 Glen street, Inspector.  
 Donnell, Eugene D., 112 Packard avenue, Real estate agent.  
 Dooling, David H., 306 Washington street, Painter.  
 Dougherty, John E., 7 Oak street, Shipping clerk.  
 Douglas, Charles E. M., 144 Lowell street, Salesman.  
 Doten, Herbert W., 115 Glenwood road, Desk manufacturer.  
 Dowd, Thomas, 50 Fellsway West, Plasterer.  
 Downer, Frank O., 181 Medford street, Watchman.  
 Doyle, Edgar W., 29 Berkeley street, Cashier.  
 Dresser, George H., 193 School street, Telephone superintendent.  
 Drew, Frank M., 56 College avenue, Foreman.  
 Drouet, E. Charles, 63 Walnut street, Real estate dealer.  
 Duncan, John, 2 Brastow avenue, Manufacturer.  
 Dustin, Harry N., 40 Church street, No occupation.  
 Dykeman, William A., 60 Marshall street, Architect.

**E**

Eastman, Ulysses G., 53 Pritchard avenue, Carpenter.  
 Easter, William A., 27 Milton street, Electrician.  
 Eaton, Arthur W., 12 Westminster street, Salesman.  
 Eaton, Charles H., 5 Ellsworth street, Teamster.  
 Edgerly, Frank C., 17 Veazie street, Milk dealer.  
 Edgerton, Earle B., 157 Lowell street, Editor.

Edmands, John S., 15 Central street, Civil engineer.  
 Edson, Charles A., 9 Dana street, Confectioner.  
 Edwards, Edward H., 10 James street, Chiropodist.  
 Egerton, Charles S., 63 Boston street, Tobacco dealer.  
 Eich, John W., 32 Holyoke road, Chemist.  
 Elie, Rudolph F., 35 Fenwick street, Salesman.  
 Elkins, John F., 142 Medford street, Truckman.  
 Elliott, Walter S., 132 Boston avenue, Stereotyper.  
 Elliot, Charles J., 59 Oxford street, Civil engineer.  
 Elliot, Reed L., 40 Columbus avenue, Plasterer.  
 Elliott, Waldo F., 174 Walnut street, Clerk.  
 Emerson, William J., 104 Broadway, Shoe dealer.  
 Emery, Everett C., 9 Columbus avenue, Clerk.  
 Epps, Albert E., 25 Cedar street, Meat cutter.  
 Estabrook, Delbert W., 11 Robinson street, Traveling salesman.  
 Estey, Clarence A., 16 Highland avenue, Clerk.  
 Eustace, James D., 205 Broadway, Sewing machine agent.  
 Everett, Percival H., 16 Packard avenue, Civil engineer.

### F

Fairfield, Herbert E., 12 Lovell street, Bookkeeper.  
 Fales, Elisha B., 746 Broadway, Clerk.  
 Fales, Silas P., 120 Central street, Poultry dealer.  
 Fallen, John F., 7 Beach avenue, Junk collector.  
 Farmer, Luke W., 92 Thurston street, Provision dealer.  
 Farrar, Willard S., 12 Adams street, Assistant superintendent.  
 Farrell, Robert J., 21 Avon street, Tea dealer.  
 Farwell, Ruleffe H., 92 Central street, Pressman.  
 Fash, Reuben A., 14 Wheeler street, Ice cream manufacturer.  
 Felt, Irwin S., 36 Bay State avenue, Restaurant keeper.  
 Fenelon, Charles P., 36 Beacon street, Druggist.  
 Ferguson, Herbert J., 12 Ibbetson street, Clerk.  
 Fermoyle, William J., 11 Pleasant avenue, Painter.  
 Fernald, Edgar A., 140 Central street, Fish dealer.  
 Fickett, Edward W., 24 Elston street, Teachers' agent.  
 Fickinger, Frank A., 76 Winslow avenue, Broker.  
 Field, William W., 21 Milton street, Salesman.  
 Fillebrown, Arthur M., 15 Buckingham street, Machinist.  
 Finney, Nathaniel G., 632 Somerville avenue, Painter.  
 Fish, Benjamin F., Jr., 24 Boston street, Harness maker.  
 Fish, Delos D., 57 Packard avenue, Carpenter.  
 Fish, Ozro M., 41 Banks street, Chemist.  
 Fitch, Frank E., 195 School street, Salesman.  
 Fitch, George B., 19 Dow street, Tailor.  
 Fitch, Nathan H., 21 Wheeler street, Salesman.  
 Fitz, Charles E., 43 Thurston street, Hay and grain dealer.  
 FitzGerald, William H., 36 Oliver street, Bookkeeper.  
 Flagg, George A., 35 Powder House terrace, Stamp dealer.  
 Flaherty, Francis E., 261 Washington street, Undertaker.  
 Flaherty, James P., 45 Everett avenue, Junk dealer.  
 Flanders, George S., 28 Gibbens street, Foreman.  
 Fletcher, Charles L., 1 Aldersey street, Grocer.  
 Flint, Lester E., 22 Dover street, Clerk.  
 Flynn, Dennis F., 67 Dane street, Upholsterer.  
 Flynn, William P., 31 Linden street, Meter manufacturer.  
 Folger, Walter M., 13 Henry avenue, Architect.  
 Ford, Charles S., 11 Grove street, Canvasser.  
 Foster, John B., 66 Irving street, Artist.  
 Foster, Willie F., 56 Curtis street, Bookkeeper.

Fowler, Frank L., 181 Powder House boulevard, Pressman.  
 Fowler, Harris H., 65 Cross street, Carpenter.  
 Freeze, Frank E., 89 Ossipee road, Salesman.  
 French, Charles R., 43 Linden avenue, Traveling salesman.  
 Frisbee, Howard, 272 Willow avenue, Stationer.  
 Frisbie, Percy C., 75 Ossipee road, Bookkeeper.  
 Frost, Thomas, 47 Pearl street, Storekeeper.  
 Frye, Daniel M., 222 Highland avenue, Secretary.  
 Fryer, John J., 29 Hall avenue, Bookkeeper.  
 Fudge, Edward J., 46 Summer street, Undertaker.  
 Fuller, George F., 20 Park avenue, Clerk.  
 Fuller, Wilfred W., 78 Rogers avenue, Grocer.  
 Fyfe, Charles S., 14 Albion street, Shirt cutter.

### G

Gans, Abraham, 95 Cedar street, Manager.  
 Gardner, George W., 9 Chester place, Salesman.  
 Garland, Charles T., 158 Pearl street, Coal dealer.  
 Gay, Frederick, 10-R Boston street, Clerk.  
 Gay, Frederick H., 36 Russell road, Traveling salesman.  
 Gazeley, Arthur E., 94 Marshall street, Clerk.  
 George, Arthur H., 1100 Broadway, Clerk.  
 Gibby, Frank L., 42 Montrose street, Assistant cashier.  
 Gibby, S. James, 42 Montrose street, Shipper.  
 Gifford, Reuben Y., 49 Boston street, Bookkeeper.  
 Gilbert, Frank A., 84 Lexington avenue, Drug clerk.  
 Giles, Edwin J., 78 Pearson avenue, Master mariner.  
 Gill, William T., 15 Fountain avenue, Undertaker.  
 Gillis, Daniel B., 27 Willow avenue, Builder.  
 Gilman, Edwin F., 30 Cutter avenue, Laundry agent.  
 Gleason, Haskell W., 206 School street, Fruit merchant.  
 Gleason, John L., 17 Dow street, Electrical engineer.  
 Glidden, George A., 11 Marshall street, Grocer.  
 Glines, George G., 21 Auburn avenue, Expressman.  
 Glover, Ellis H., 36 Tufts street, Clerk.  
 Goddard, Charles E., 7 Wheeler street, Restaurant keeper.  
 Goddard, William L., 29 Winslow avenue, Salesman.  
 Godey, Frederick C., 4 Ivaloo street, Roofer.  
 Godfrey, Edward H., 71 Central street, Journalist.  
 Goebel, John W., 90 Pearson avenue, Manager.  
 Gohring, Leander H., 10 Billingham street, Printer.  
 Golden, Joseph F., 24 Bay State avenue, Clerk.  
 Goldin, Isaac, 9 Crown street, Bookkeeper.  
 Good, Richard Y., 30 Brastow avenue, Oil merchant.  
 Goodrich, Wilbur F., 10 Gibbens street, Civil engineer.  
 Goodspeed, Frank E., 51 Broadway, No occupation.  
 Goodwin, Charles O., 54 Benton road, Salesman.  
 Gordon, Albert E., 45 Union square, Distiller.  
 Gordon, Harry W., 38 Ossipee road, Insurance agent.  
 Gorham, Benjamin K., 57 Rogers avenue, Salesman.  
 Goss, William E., 30 Oxford street, Draughtsman.  
 Gould, Charles H., 41 School street, Salesman.  
 Gould, George A., 152 Boston avenue, Salesman.  
 Gragg, Charles O., 9 Monmouth street, Chauffeur.  
 Graham, Samuel, 299 Broadway, No occupation.  
 Graustein, Henry L., 98½ Prospect street, Milk contractor.  
 Graves, David B., 17 Rogers avenue, Clothier.  
 Graves, Frank W., 27 Winslow avenue, Inspector.  
 Gray, Chester A., 23 Webster street, Timekeeper.  
 Green, J. Rush, 11 Cambria street, Millwright.

Greene, Frederick A., 5 Essex street, Real estate agent.  
 Greenough, John L., 19 Vernon street, Conductor.  
 Grieves, William W., 57 Dartmouth street, Bank clerk.  
 Grover, Mazina S., 80 Bay State avenue, Brass worker.  
 Grover, Nelson H., 26 Oxford street, Advertising agent.  
 Guild, Julius J., 325 Washington street, Salesman.  
 Guptill, B. Frank, 54 Concord avenue, Glass cutter.  
 Guyette, Charles J., 64-A Beacon street, Printer.

### H

Hadley, Arthur D., 46 Pearl street, Musician.  
 Hadley, Freddell O., 30 Conwell avenue, Machine carver.  
 Hadley, Walter M., 24 Hathorn street, No occupation.  
 Hall, Harley E., 22 Pleasant avenue, Stable keeper.  
 Ham, Arthur E., 15 Waldo street, Salesman.  
 Hancock, Edward, 272 Highland avenue, Clerk.  
 Hartwell, Haywood, 77 Munroe street, Carpenter.  
 Haskell, Albert L., 60 Putnam street, Printer.  
 Hatch, Arthur E., 46 Browning road, Manager.  
 Hayward, John G., 5 Windom street, Trustee.  
 Hayward, Webster G., 38 Cambria street, Insurance superintendent.  
 Hersey, Charles H., 30 Pembroke street, Marketman.  
 Higgins, Byron E., 243 School street, Plasterer.  
 Higgins, Solomon S., 158 Summer street, Real estate dealer.  
 Hill, Arthur B., 17 Norwood avenue, Musician.  
 Hodgkins, Edward S., 139 Orchard street, Clerk.  
 Hoit, Edward P., 275 Highland avenue, Provision dealer.  
 Holmes, Frank H., 29-A Veazie street, Building superintendent.  
 Holmes, Samuel, 49 Thurston street, Poultry dealer.  
 Holland, Charles J., 30 Aldrich street, Salesman.  
 Holland, William L., 30 Aldrich street, Printer.  
 Hood, Charles H., 2 Benton road, Milk contractor.  
 Horton, Charles P., 22 Everett avenue, Janitor.  
 Houley, Patrick F., 65 Springfield street, Grocer.  
 Howard, Eugene P., 11 Hall avenue, Salesman.  
 Howard, J. Walter, 330 Broadway, Florist.  
 Hunnewell, William A., 23 Milton street, Coal dealer.  
 Hunter, William H., 11 Sycamore street, Engraver.  
 Hurn, George F., 7 Oakland avenue, Carpet cleaner.  
 Huse, A. Alonzo, 7 Tower street, Treasurer.

### I

Ingalls, George A., 61 Pearl street, Broker.  
 Ingham, John S., 27-B Summer street, Clerk.  
 Ireland, George H., 28 Appleton street, Blacksmith.  
 Ireland, Olin F., 734 Broadway, Woolen dealer.  
 Irving, William M., 8 Berkeley street, Insurance agent.

### J

Jackson, Arthur J., 274 Willow avenue, Salesman.  
 Jackson, Arthur W., 160 Lowell street, Clerk.  
 Jackson, Edwin A., 31 Delaware street, Plumber.  
 Jackson, William L., 27 College avenue, Clothing dealer.  
 Jacobs, Charles F., 39 Benton road, Provision dealer.  
 Jacobs, Thomas, 18 Stickney avenue, Salesman.  
 James, Williams B., 16 Westwood road, Marketman.  
 Janes, George Francis, 63 Evergreen avenue, Butter dealer.

Janvrin, George L., 12 Kensington avenue, Jeweler.  
 Jarvis, William H. S., 231 Pearl street, Auditor.  
 Jenness, Walter G., 103 Pearson avenue, Lumber dealer.  
 Jennings, Chester R., 22 Cedar street, Clerk.  
 Jennings, George W., 213 Highland avenue, Upholsterer.  
 Jerauld, Frank, 29 Aldrich street, Painter.  
 Johnson, Arthur H., 128 Powder House boulevard, Salesman.  
 Johnson, D. Fraser, 241-A Highland avenue, Pressman.  
 Johnson, Frank O., 436 Medford street, Plumber.  
 Johnson, Fred E., 107 Hudson street, Rectifier.  
 Johnson, Philip L., 20 Fosket street, Assistant superintendent.  
 Johnson, Walter M., 48 Tennyson street, Salesman.  
 Joiner, Alexander J. M., 48 Hudson street, Assistant manager.  
 Jolley, Joseph F., 57 Bromfield road, Private secretary.  
 Jones, Charles H., 58 Walnut street, Salesman.  
 Jones, Fred B., 18 Bromfield road, Pattern maker.  
 Jones, Harvey C., 246 School street, Confectioner.  
 Jones, Ralph P., 141 Powder House boulevard, Manager.  
 Jones, Walter C., 30 Electric avenue, Artist.  
 Jones, William E., Jr., 33-A Bow street, Flour merchant.  
 Joslin, Charles E., 442 Broadway, Commission merchant.  
 Joslyn, Will C., 37 Banks street, Salesman.  
 Jouett, Fred W., 27 Chester street, Grocer.  
 Joyce, Louis V., 21 Day street, Mechanical engineer.  
 Judd, Frederick F., 31 Marshall street, Iron dealer.

**K**

Kane, Thomas H., 23 Fellsway West, Salesman.  
 Kaula, Charles H., 38 Richdale avenue, Manager.  
 Kaulback, Sumner T., 34 Highland road, Foreman.  
 Kauler, John E., 139 Perkins street, Undertaker.  
 Keach, Charles A., 34 Lowden avenue, Bookkeeper.  
 Kearney, John J., 6 Charlestown street, Clerk.  
 Keating, John, 87 Lowell street, Traveling salesman.  
 Keay, Fred E., 153 College avenue, Financial editor.  
 Keddy, Thomas A., 35 Josephine avenue, Egg tester.  
 Keefe, Charles W., 191 Pearl street, Clerk.  
 Keefe, William M., 46 Kingston street, Gate tender.  
 Keene, Charles H., 12-A Kensington avenue, Foreman.  
 Kegler, Albert G., 34 Lowden avenue, Clerk.  
 Kégler, Frederick G., 34 Lowden avenue, Clerk.  
 Keith, Henry V., 65 Bromfield road, Bookkeeper.  
 Keith, Leon E., 19 Wigglesworth street, Salesman.  
 Kelley, Albert S., 30 Josephine avenue, Bookkeeper.  
 Kelley, Charles F., 62 Highland avenue, Salesman.  
 Kelley, Horace R., 281 Highland avenue, Clerk.  
 Kelley, Isaac S., 22 Electric avenue, Bookkeeper.  
 Kelley, John B., 250 Willow avenue, Monotype operator.  
 Kelley, Robert H., 962 Broadway, Printer.  
 Kelly, John E., 12 Hanson street, Clerk.  
 Kelly, Peter F., 257 Broadway, Real estate agent.  
 Kelly, William F., 65 Rogers avenue, Traveling salesman.  
 Kemp, John N., 66 Grant street, Teamster.  
 Kempton, William B., 112 Packard avenue, Salesman.  
 Kendall, Edward J., 349 Summer street, Potato dealer.  
 Kendall, Frederick C., 65 Highland road, Broker.  
 Kendall, Philip S., 41 Russell street, Milk dealer.  
 Kendall, Warren C., 186 Central street, Clerk.  
 Kennamon, Thomas W., 47 Main street, Teamster,

Kennedy, James J., 43 Dartmouth street, Teamster.  
 Kenneson, Charles A., 176 Walnut street, Storage warehouse manager.  
 Kenney, Christopher J., 8 Nevada avenue, Folder.  
 Kenney, James, 4 Concord avenue, Carpenter.  
 Kenney, James W., 12 Waterhouse street, Bookbinder.  
 Kenney, Oliver G., 10 Franklin avenue, Traveling salesman.  
 Kenney, Timothy E., 111 Highland road, Salesman.  
 Kent, Judson T., 353 Highland avenue, Marketman.  
 Keppe, Frederick A., 22 Belmont street, Steam fitter.  
 Kerner, Louis, 124 Pearl street, Tailor.  
 Keyes, Charles A., 6 Adams street, Produce dealer.  
 Keyes, George R., 17 Everett avenue, Clerk.  
 Kidder, Arthur T., 14 Summit avenue, Accountant.  
 Kidder, Charles A., 100 Central street, Marketman.  
 Kidder, James W., 22 Brook street, Clerk.  
 Kiley, James A., 11 Morton street, Wagon builder.  
 Kiley, Patrick J., 15 Mystic street, Blacksmith.  
 Kilton, William F., 9 Upland park, Salesman.  
 Kimball, William J., 154 Lowell street, Clerk.  
 Kincaid, John E., 20 Madison street, Shoe manufacturer.  
 Kinder, John A., 14 Fairmount avenue, Dentist.  
 Kindred, George L., 18 Windsor road, Printer.  
 King, Abraham, 22 Electric avenue, Shipper.  
 King, Charles R., 9 Prospect Hill avenue, Grocer.  
 King, John W., 163 Morrison avenue, Electrotype finisher.  
 Kingman, Edward H., 14 Kenwood street, Produce dealer.  
 Kingman, Harry P., 404 Highland avenue, Traveling salesman.  
 Kingman, Herbert S., 14 Westwood road, Salesman.  
 Kingston, Joseph R., 10 Conwell street, Optician.  
 Kingston, Thomas H., 45 Banks street, Traveling salesman.  
 Kinney, Edgar L., 92 Sycamore street, Bookkeeper.  
 Kirby, Michael, 315 Washington street, No occupation.  
 Kirkness, Alexander N., 14 Dana street, Stationary engineer.  
 Kneeland, William B., 9 Greene street, Freight agent.  
 Knell, Frederick G., Jr., 84 Holland street, Frame manufacturer.  
 Knight, Charles, 172 Summer street, Salesman.  
 Knight, Perley H., 20 Preston road, Composer.  
 Knight, William E., 425 Norfolk street, Watchman.  
 Knowles, Arthur T., 11 Robinson street, Traveling salesman.  
 Knowles, Benjamin H., 15 Parker street, Hat manufacturer.  
 Knowlton, Edward B., 35 Morrison avenue, Pattern maker.  
 Knox, John M., 9 Flint avenue, Conductor.  
 Knox, Waldo H., 19 Hancock street, Machinist.  
 Kramer, Everett A., 26 Madison street, Shipper.  
 Krauter, Charles E., 167 Elm street, Manager.  
 Kuhn, William H., 227 Summer street, Clerk.  
 Kyle, Charles L., 24 Pearson road, Buyer.  
 Kyte, John A., 47 Main street, Apothecary.

## L

Ladd, Frederick A., 46 Electric avenue, Piano tuner.  
 Ladd, George W., 14 Elston street, Horse shoer.  
 Lailer, Waldo H., 369 Medford street, Produce dealer.  
 Lamb, Richard, 33 Vinal avenue, Traveling salesman.  
 Lambert, Frank S., 10 Cross street, Painter.  
 LaMoure, William T., 74 Boston street, Freight agent.  
 Land, Lawrence P., 60 Marshall street, Auditor.  
 Lander, Carl W., 75 School street, Clerk.  
 Landers, A. Gordon, 48 School street, Restaurant keeper.



Landers, Charles A., 20 Cambria street, Auto supplies dealer.  
Lane, Daniel M., 97 Wallace street, Inspector.  
Lane, Edward A., 20 Wyatt street, Salesman.  
Lane, George B., 65 Bromfield road, Fish dealer.  
Lanen, George H., 32 Lincoln parkway, Reporter.  
Langdon, Harry, 41 Sargent avenue, Druggist.  
Langley, George M., 24 Summer street, Carpenter.  
Lapham, F. DeWitt, 3 Hathorn street, Real estate.  
Laskey, Frank S., 25 Boston street, Bookkeeper.  
Lawrence, Bernard W., 289 Highland avenue, Produce dealer.  
Lawson, Peter P., 101 Summer street, Mechanic.  
Lawson, Warren G., 101 Summer street, Banker.  
Lavey, John T., 7 Belmont street, Laborer.  
Leach, Sanford H., 84 Highland avenue, Salesman.  
Leahy, James J., 25 Spencer avenue, Salesman.  
Learned, Willis L., 27 Cambria street, Civil engineer.  
Leary, John J., 23 Knowlton street, Clerk.  
Leathe, Arthur H., 254 Highland avenue, Foreman.  
Leavitt, Frank W., 468 Somerville avenue, Carriage dealer.  
Lee, Thomas L., 80 Vernon street, Printer.  
Leitch, Samuel, 93 Liberty avenue, Clerk.  
Lenox, Benjamin F., 59 Wheatland street, Engineer.  
Lewis, Alfred H., 98 Packard avenue, Salesman.  
Lewis, Andrew R., 48 Kidder avenue, Builder.  
Lewis, David S., 36-A Prescott street, Jeweler.  
Lewis, Herbert J., 32 Russell road, Stereotyper.  
Lewis, Thomas M., 10 Westwood road, Druggist.  
Lewis, Wayland H., 15 Westwood road, Treasurer.  
Leydon, Michael J., 43 Hancock street, Mason.  
Lheureux, Joseph N., 24 Garrison avenue, Clerk.  
Libbey, Leonard M., 43 Wallace street, Newsdealer.  
Libby, George R., 13 Jay street, Stationer.  
Lillie, Raymond W., 445 Medford street, Traveling salesman.  
Lincoln, Grenville N., 47 Florence street, Drug clerk.  
Lincoln, Rollin T., 34 Benton road, Broker.  
Lingard, John, 19 Lincoln avenue, Painter.  
Lippman, William, 62 Lowden avenue, Broker.  
List, James G., 19 Tufts street, Gold beater.  
Liston, William P., 68 Hall avenue, Superintendent.  
Litchfield, Harry W., 181 Broadway, Milk dealer.  
Litchfield, J. Warren, 181 Broadway, No occupation.  
Little, Charles P., 83 Mt. Vernon street, Tailor.  
Locatelli, John E., 50 Lowell street, Contractor.  
Locke, George H., 22 Montrose street, Salesman.  
Locke, Stephen S., 11 Prospect Hill avenue, Salesman.  
Lombard, Peter J., 6 Rush street, Teaming foreman.  
Long, Alonzo G., 96 Glenwood road, Printer.  
Long, Joseph B., 55 Pritchard avenue, Printer.  
Long, Philip B., 30 Summit avenue, Real estate dealer.  
Lord, Francis H., 45 Avon street, Salesman.  
Lord, George A., 5 Ossipee road, Salesman.  
Lord, Guy M., 69 Chandler street, Optician.  
Loring, Ernest J., 76 Highland avenue, Draughtsman.  
Loring, Robert B., 45 Tennyson street, Produce dealer.  
Lothrop, Herbert A., 217 College avenue, Printer.  
Loud, Clarence W., 45 Hudson street, Salesman.  
Loudon, Thomas, 81 School street, Salesman.  
Lougee, Louis L., 59 Tufts street, Cutlery dealer.  
Lounsbury, George H., 46 Houghton street, Clerk.  
Love, Robert T., 16 Windsor road, Printer.

Lovejoy, George S., 167 Highland avenue, Storage warehouse manager.  
 Lovering, Edward P., 16 Howe street, Mason.  
 Lovering, Everett L., 48½ Prescott street, Piano tuner.  
 Lovering, Harry F., 25 Cottage avenue, Map mounter.  
 Lovett, Arthur L., 42 Cedar street, Salesman.  
 Lowe, David B., 36 Richdale avenue, Shoe dealer.  
 Lowe, George A., Jr., 11 Whitfield road, Insurance engineer.  
 Lowell, Charles W., 53 Francesca avenue, Produce dealer.  
 Lowell, Frank M., 42 Aldrich street, Traveling salesman.  
 Lowell, George E., 109 Gilman street, Stable keeper.  
 Lowell, James S., 37 Harvard street, Superintendent.  
 Lufkin, Elmer, 6 Waverly street, Paper hanger.  
 Lund, John C., 13 Cutter street, Shipper.  
 Lundergan, James W., 40 Dickinson street, Milk dealer.  
 Lunt, Fred W., 24 Hall avenue, Clerk.  
 Lussier, George A., 38 Raymond avenue, Interior decorator.  
 Lynch, Bartholomew, 120 Walnut street, Teamster.  
 Lynd, Robert J., 47 Hall avenue, Machinery dealer.  
 Lyons, John J., 26 Wyatt street, Press feeder.

### M

McAlpine, Charles C., 39 Electric avenue, Architect.  
 McCall, Francis H., 55 Heath street, Harness manufacturer.  
 McCann, John T., 171 College avenue, Salesman.  
 McCarthy, Charles F., 22 Thorpe street, Jewelry manufacturer.  
 McCarthy, Chester D., 45 Union square, Shipper.  
 McCarthy, John J., 220 Summer street, Superintendent.  
 McCarthy, Timothy F., 63 Grant street, Pedler.  
 McCarty, John J., 13 Knowlton street, Charcoal dealer.  
 McCarty, Thomas J., 141 Highland avenue, Cigar manufacturer.  
 McColgan, John E., 85 Partridge avenue, Salesman.  
 Macomber, George A., 102 Thurston street, Clothing dealer.  
 McDermott, William J., 12 Mossland street, Clerk.  
 MacDonald, Charles M., 101 Elm street, Clerk.  
 Macdonald, Eugene B., 9 Crocker street, Manager.  
 MacDonald, Leo E., 98 Kidder avenue, Surveyor.  
 McDonald, Robert D., 18 Greene street, Furniture manufacturer.  
 McFadden, George W., 27 Berkeley street, Clerk.  
 McFague, Maurice F., 33 Rogers avenue, Agent.  
 McFarland, Chester S., 21 Cedar street, Commission merchant.  
 McFarland, John A., 41 Burnside avenue, Artist.  
 McGann, Thomas F., Jr., 45 Putnam street, Bronze manufacturer.  
 McGrath, Charles T., 320 Lowell street, Painter.  
 McGrath, Philip J., 23 Appleton street, Printer.  
 McGray, Harvey D., 95 College avenue, Builder.  
 McGregor, Thomas G., 20 Curtis street, Buyer.  
 Mack, John, 79 Concord avenue, Fruit dealer.  
 McKay, Alexander, 36 Oak street, Grocer.  
 McKenna, George F., 292 Lowell street, Undertaker.  
 McKenna, William H., 292 Lowell street, Undertaker.  
 McKinley, Alfred F., 65 Grove street, Leather sorter.  
 McLaughlin, Henry H., 21 Belmont street, Salesman.  
 McLean, Angus D., 20 Brook street, Assistant cashier.  
 MacLean, Charles J., 110 Josephine avenue, Salesman.  
 McLean, James A., 30 Banks street, Machinist.  
 McMaster, George R., 12 Park street, Chauffeur.  
 McMurdie, Origen A., 33 Lexington avenue, Clerk.  
 McNamara, George W., 23 Malvern avenue, Optician.  
 McQuade, Owen A., 6 Taunton street, Furniture polisher.

McSweeney, John J., 331 Washington street, Printer.  
Maddison, Thomas B., 221 Morrison avenue, Salesman.  
Maddocks, John H., 17 Wallace street, Designer.  
Maddox, George W., Jr., 193 Broadway, Produce dealer.  
Magee, James L., 65 Beech street, Pressman.  
Magoon, Frank P., 38 Madison street, Clerk.  
Magown, Herbert B., 14 Clark street, Foreman.  
Mahany, William C., 20 Josephine avenue, Real estate agent.  
Mahoney, Ernest E., 191 Willow avenue, Salesman.  
Makant, Robert, 40 School street, Engraver.  
Makechnie, Ernst H., 238 Elm street, Musician.  
Malcom, Sydney A., 91 Munroe street, Foreman.  
Manning, Charles N., 32 Lake street, Clerk.  
Manning, Peter F., 29 Park street, Clerk.  
Manning, Thomas F., 44 Highland avenue, Clerk.  
Marble, Augustus B., 94 Sycamore street, Agent.  
March, William J., 42 Ash avenue, Well driver.  
Marchant, Albert L., 92 Vine street, Barber.  
Marchant, J. Norman, 73 Sycamore street, Bookkeeper.  
Marden, Frank W., 83 Boston street, Oil merchant.  
Marier, Eugene B., 24 Kingston street, Musician.  
Marks, Frank P., 33 Windsor road, Clerk.  
Marsh, George, 16 Powder House terrace, Publisher.  
Marsh, John A., 35½ Day street, Coal dealer.  
Marsh, William H., 27 Cutter street, Teamster.  
Marshall, Albert A., 11 William street, Agent.  
Marshall, Arthur C., 75 Trull street, Salesman.  
Marshall, Charles W., 9 Dell street, Carpenter.  
Marshall, Harry L., 7 Hall avenue, Bookkeeper.  
Marshall, Jesse M., 454 Medford street, Produce dealer.  
Marshall, John A., 153-A Willow avenue, Manager.  
Martin, Alton G., 39 Bradley street, Clerk.  
Martin, Frank L., 120 Josephine avenue, Warehouse superintendent.  
Martin, George E., 8 Thurston street, Produce merchant.  
Martin, Lewis R., 34 Grant street, Teamster.  
Martis, Christopher H., 68 Linwood street, Printer.  
Mason, Frank J., 30 Pembroke street, Bookkeeper.  
Mathews, Emery A., 92 Oxford street, Stenographer.  
Mathews, Ira C., 82 Lexington avenue, Electrician.  
Matthews, Walter L., 16 Garrison avenue, Manager.  
Maxim, William W., 59 Boston street, Commission merchant.  
Maynard, Fred L., 30 Ames street, Marketman.  
Maynard, George H., 84 Highland avenue, Plumber.  
Mayo, Sidney D., 7 Wheeler street, Oyster dealer.  
Mead, Adelbert F., 74 Chandler street, Bookkeeper.  
Meade, John, 72 Thurston street, Coachman.  
Meader, J. Edward, 400 Mystic avenue, Teamster.  
Meleney, Sidney P., 95 Hudson street, Assistant manager.  
Melvin, Patrick C., 56 Elm street, Tailor.  
Mentzer, Walter C., 36 Cherry street, Commission merchant.  
Mercer, William L., Jr., 342 Broadway, Real estate agent.  
Meriam, Arthur J., 11 Evergreen avenue, Woolen salesman.  
Merrifield, Fred H., 6 Abdell street, Lumber dealer.  
Merrill, Andrew S., 82 Sycamore street, Salesman.  
Merrill, Emerson C., 38 Electric avenue, Superintendent.  
Merrill, Herbert E., 11 Lincoln street, Leather dealer.  
Merrill, Warren A., 14 Westminster street, Traveling salesman.  
Merritt, Robert H., 47 Cherry street, Purchasing agent.  
Meserve, Arthur E., 46½ Florence street, Traveling salesman.  
Meserve, John S., 7 Lowden avenue, Furniture dealer.

Mess, Joseph W., 19 Chester avenue, Merchant.  
 Messer, Melvin J., 27 Franklin street, Manager.  
 Metcalf, Harry B., 114 Belmont street, Editor.  
 Middleton, Percy H., 64 Vinal avenue, Treasurer.  
 Miles, J. Alfred, 39 Robinson street, Salesman.  
 Miller, David H., 93 Kidder avenue, General manager.  
 Miller, Joseph W., 3 Royce place, Shipper.  
 Miller, Samuel E., 31 Spencer avenue, Clerk.  
 Millett, Henry Q., 10 Dearborn road, Auditor.  
 Mills, Henry I., 61 Tufts street, Brakeman.  
 Mitchell, Frank A., 11 Pleasant avenue, Clerk.  
 Mixer, J. Frank, 119 Central street, Manufacturer.  
 Money, Joseph A., 54 Myrtle street, Manufacturer.  
 Monks, Charles A., 398 Medford street, Salesman.  
 Moore, Albert S., 50 Brastow avenue, Salesman.  
 Moore, Arthur G., 11 Rogers avenue, Printer.  
 Moore, William G., 301 Washington street, Jeweler.  
 Moran, Frank A., 18 Alpine street, Mechanic.  
 Moran, John J., 114 Highland road, Broker.  
 Morgan, George H., 12 Sunnyside avenue, Coffee roaster.  
 Morris, Frank H., 86 Hudson street, Civil engineer.  
 Morrison, Frank E., 23 Brook street, Provision dealer.  
 Morrison, James, 62 Albion street, Salesman.  
 Morrison, Thomas A., 54 Albion street, Bookkeeper.  
 Morrow, John J., 17 Perry street, Collector.  
 Morse, Charles A., 106 School street, Clerk.  
 Morton, Nelson G., 44-A Hancock street, Editor.  
 Moses, Charles S., 14 Russell road, Clerk.  
 Moulton, Clarence L., 34 Spencer avenue, Egg dealer.  
 Moulton, Harold, 37 Warner street, Inspector.  
 Mountfort, William F., 15 Lexington avenue, Clerk.  
 Muir, John M., 79 Marshall street, Hardware dealer.  
 Muldoon, James J., 24 Putnam street, Superintendent.  
 Muldoon, Myles, 40 Crescent street, Jobber.  
 Mullen, Arthur J., 41-B Franklin street, Salesman.  
 Mullen, James H., 19 Bradley street, Clerk.  
 Mullen, Thomas J., 34 Concord avenue, Clerk.  
 Mullett, Louis C., 330-A Summer street, Traveling salesman.  
 Mulliken, John W., 79 Ossipee road, Shipper.  
 Munday, Thomas P., 60 Fellsway West, Driver.  
 Munroe, A. Henry, 90 Josephine avenue, Foreman.  
 Munroe, Herbert J., 5 Chester avenue, Manufacturer.  
 Murch, Elmer F., 55 Adams street, Reporter.  
 Murphy, Daniel B., 601 Somerville avenue, Engineer.  
 Murphy, James J., 113 School street, Inspector.  
 Murphy, Joseph H., 4 Thurston street, Salesman.  
 Murphy, Stephen F., 102 College avenue, Superintendent.  
 Muzzy, Horace T., 31 Vinal avenue, Draughtsman.

## N

Nash, Frederick J., 243 School street, Salesman.  
 Naugler, Joseph A., 29 Pritchard avenue, Auto dealer.  
 Nelson, Fred D., 143-A Hudson street, Automobile dealer.  
 Nelson, William F., 33 Robinson street, Salesman.  
 Newcomb, William I., 7 Pritchard avenue, Steam fitter.  
 Newell, John C., 65 Hudson street, Foreman.  
 Newman, Clinton F., 16 Lee street, Salesman.  
 Newton, Elbridge W., 8 Westwood road, Agent.  
 Newton, William M., 84 Bay State avenue, Clerk.

Nichols, Ralph L., 60 Summer street, Clerk.  
 Nickerson, Frank R., 47 Liberty avenue, Clerk.  
 Nickerson, Herbert P., 18-B Broadway, Hay and grain dealer.  
 Nickerson, Waldo H., 5 Wellington avenue, Teamster.  
 Nickerson, Walter C., 30 Franklin street, Writer.  
 Niles, Franklin T., 229 Pearl street, Salesman.  
 Noble, Archibald W., 39 Crocker street, Upholsterer.  
 Nolan, James H., 30 Concord avenue, Clerk.  
 Norton, Thomas M., 15 Mountain avenue, Composer.  
 Norton, Charles H., 5 Gorham street, Civil engineer.  
 Noyes, Charles G., 232 Willow avenue, Hardware dealer.  
 Noyes, Edward I. K., 73 Bay State avenue, Broker.  
 Noyes, William H., 12 Florence street, Foreman.  
 Nute, Alfred D., 329 Highland avenue, Shoemaker.  
 Nye, Chester L., 33 Electric avenue, Salesman.  
 Nyman, Ernest D., 5 Wigglesworth street, Baggage master.

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Oakes, William W., 62 Elm street, Salesman.  
 O'Brien, John J., 8 Durham street, Traveling salesman.  
 O'Brien, Timothy F., 4 Prospect place, Grocery clerk.  
 O'Brien, William E., 70 Prospect street, Grocer.  
 O'Brien, Fulton, 226 Summer street, Hay and grain dealer.  
 O'Connell, Daniel H., 343 Summer street, Clerk.  
 O'Connell, Henry J., 139 Lowell street, Salesman.  
 O'Connell, Michael, 35 Linwood street, Produce dealer.  
 O'Connell, Thomas Meade, 43 Highland road, Shipper.  
 Odiorne, Howard E., 15 Greenville street, Draughtsman.  
 Olin, Jacob, 49 Cedar street, Jeweler.  
 Oliver, James C., 70 Lawrence street, Teamster.  
 Olson, Otto, 741 Broadway, Builder.  
 O'Neill, Cornelius, 4 Beech street, Motorman.  
 Ordway, Albert A., 20 Electric avenue, Clerk.  
 Ormsby, Robert S., 10 Packard avenue, Commission reporter.  
 Osborne, Roy W., 86 Bromfield road, Private secretary.  
 O'Shaughnessey, Patrick, 76 Derby street, Milk dealer.  
 Owens, James A., 5 Spring Hill terrace, Tailor.  
 Owlser, Edward, 30 Browning road, Salesman.

P

Packard, Frank D., 18 Buckingham street, Salesman.  
 Packard, M. Everett, 38 Warner street, Musician.  
 Page, Carl M., 32 Lexington avenue, Traveling salesman.  
 Page, Daniel W., 21-R Webster avenue, Janitor.  
 Paige, Frank J., 17 Shawmut street, Meat cutter.  
 Paine, Arthur C., 91 Perkins street, Insurance agent.  
 Paine, George A., 179 Morrison avenue, Produce dealer.  
 Paisley, William, 407 Broadway, Furniture dealer.  
 Palmer, George L., 35 Stone avenue, Salesman.  
 Parker, Arthur B., 17 Gilman street, Milk dealer.  
 Parker, Edward A., 43 Prescott street, Laborer.  
 Parker, George S., 29 Josephine avenue, Shipper.  
 Parkhurst, Charles E., 79 Walnut street, Dentist.  
 Parsons, William H., 30 Wesley street, Clerk.  
 Partridge, Ashley W., 346 Summer street, Superintendent.  
 Pasho, Herbert A., 52 Mt. Vernon street, Division superintendent.  
 Paul, George W., 15 Summer street, Salesman.  
 Payne, Frank H., 62 Elm street, Bookkeeper.  
 Peabody, Dean, 10 Albion street, Salesman.

Peabody, Leon I., 14 Moore street, Broker.  
 Pearson, Arthur G., 3 Sargent avenue, Confectioner.  
 Pearson, Benjamin F., 40 Hancock street, Station agent.  
 Pearson, Frank L., 136 Lowell street, Cashier.  
 Perham, Edwin R., 92 Packard avenue, Secretary and treasurer.  
 Perkins, Roy M., 167-A Pearl street, Foreman.  
 Perry, Walter A., 55 Wallace street, Salesman.  
 Perry, William E., 69 Marshall street, Salesman.  
 Peterson, Charles E., 15 Murray street, Manager.  
 Philbrick, Charles S., 174 Morrison avenue, Real estate agent.  
 Phillips, Bernard C., 6 Giles park, Glass cutter.  
 Phillips, Joseph P., 6 Giles park, Clerk.  
 Phillips, Lorenzo R., 138 Powder House boulevard, Manager.  
 Pickthall, Richard E., 182 Central street, Real estate agent.  
 Pierce, Charles H., 13 Morgan street, Clerk.  
 Pierce, George A., 48 Everett avenue, Bookkeeper.  
 Pigon, Joseph H., 36 Wallace street, Clerk.  
 Pitman, Fred H., 178 Central street, Manufacturer.  
 Plaisted, Arthur I., 17 Franklin street, Civil engineer.  
 Plumer, William E., 197 Washington street, Hardware dealer.  
 Pond, George W., 91 Bay State avenue, Salesman.  
 Pond, Lucius W., 48 Bay State avenue, Bookkeeper.  
 Poore, Harry W., 59 Marshall street, Baker.  
 Porter, C. Frank, 34 Franklin street, Musician.  
 Porter, Henry P., 17 Hillside park, Printer.  
 Porter, James E., 13 Waterhouse street, Conductor.  
 Porter, Joseph W., 31 Hudson street, Salesman.  
 Powers, David M., 341 Highland avenue, Machinist.  
 Powers, George F., 20-A Central street, Clerk.  
 Pratt, Arthur N., 24 Delaware street, Clerk.  
 Pratt, Charles H., 20 George street, Civil engineer.  
 Pratt, George W., 37 Clark street, Bookkeeper.  
 Prescott, Albion M., 21 Carlton street, Teamster.  
 Prescott, Horace A., 411 Highland avenue, Milk dealer.  
 Prescott, Willard L., 19 Pearson road, Bookkeeper.  
 Preston, T. Franklin, 82 Sycamore street, Manager.  
 Preston, William A., 179-A Pearl street, Shipper.  
 Price, Elmer A., 35 Bartlett street, Bookkeeper.  
 Prichard, George W., 16 Fremont street, Stable foreman.  
 Pride, Edwin L., 9 Browning road, Accountant.  
 Priest, Albert W., 58 Berkeley street, Clerk.  
 Prindle, James D., 83 College avenue, Trustee.  
 Proctor, Frederick J., 225 Medford street, Motorman.  
 Proctor, Guy H., 175 Summer street, Automobile dealer.  
 Puffer, Charles, 14 Dartmouth street, Produce merchant.  
 Purcell, Edward A., 293 Beacon street, Shipper.

### Q

Quattromini, Enrico, 5 Arnold avenue, Chemist.  
 Queen, Walter E., 31 Calvin street, Collector.  
 Quimby, Frank W., 309 Summer street, Stenographer.  
 Quinlan, John P., 8 Buckingham street, Driver.  
 Quinn, Daniel C., 29 Pritchard avenue, Engraver.  
 Quinn, John W., 15 Oak street, Confectioner.

### R

Rackliffe, Kent R., 51 Preston road, Music teacher.  
 Ralph, Howard L., 36 Bromfield road, Manager.  
 Rametti, Irving W., 25 Cottage avenue, Clerk.  
 Rand, Fred C., 35 Banks street, Assistant superintendent.  
 Randall, Arthur F., 22 Dell street, Draughtsman.

Rankin, Albert, 32 Cameron avenue, Inspector.  
Rawson, William M., 4 Evergreen avenue, Manufacturer.  
Ray, Edwin N., 477 Medford street, Credit man.  
Ray, George W., 14 Ossipee road, Salesman.  
Ray, Robert S., 21 Webster avenue, Clerk.  
Raymond, Charles F., 45 Bromfield road, Collector.  
Raymond, John M., 37 Jaques street, Bookkeeper.  
Raynes, Charles E., 108 Packard avenue, Salesman.  
Reynolds, James F., 7 Adams street, Insurance agent.  
Reynolds, James B., 4 Concord avenue, Shipper.  
Reynolds, Walter L., 5 Hammond street, Confectioner.  
Read, Burton L., 31 Electric avenue, Editor.  
Read, Elmer C., 11 Willow avenue, Salesman.  
Reardon, Thomas F., 82 Gilman street, Potato merchant.  
Reardon, Timothy J., 28 Bromfield road, Salesman.  
Reardon, John J., 456 Somerville avenue, Motorman.  
Reed, Charles Chester, 163 Elm street, Assistant paymaster.  
Reed, James F., 459 Medford street, Shipper.  
Reed, Nathan P., 42 Browning road, Foundry proprietor.  
Reed, William B., 11 Everett avenue, Salesman.  
Remick, Frank E., 16 Cutter street, Clothier.  
Remick, Lewis H., 45 Josephine avenue, Electrical mechanic.  
Rhodes, Harry L., 82 Highland avenue, Grocer.  
Rice, Charles A., 33-C Dover street, Draughtsman.  
Rich, Herbert W., 38 Bromfield road, Bookkeeper.  
Richards, Frederick L., 127 Summer street, Mechanical engineer.  
Richards, Lewis C., 12 Prospect Hill avenue, Salesman.  
Richards, William P., 44 Day street, Architect.  
Richardson, Chester A., 27-R Albion street, Civil engineer.  
Richardson, George A., 20 Wesley street, Paint dealer.  
Richardson, George H., 17 West street, Salesman.  
Richardson, Herbert S., 41 Columbus avenue, Master teamster.  
Richardson, Homer L., 11 Albion street, Printer.  
Richmond, Charles, 7 Munroe street, Clerk.  
Riddell, Robert H., 90 Myrtle street, Dry goods dealer.  
Riley, Joseph M., 98 Prospect street, Insurance agent.  
Riley, Philip W., 55 Josephine avenue, Pressman.  
Ripley, Lawrence G., 48 Rogers avenue, Piano tuner.  
Ritter, Philip J., 9 Walnut road, Superintendent.  
Rivers, Fred S., 35 Charnwood road, Electrician.  
Robbins, Charles W., 126 Powder House boulevard, Shipper.  
Robbins, Lucien N., 11 Pearl terrace, Merchant.  
Robbins, Nathan, 22 St. James avenue, No occupation.  
Roberts, Harry, 91 Sacramento street, Junk collector.  
Roberts, John F., 24 Fairmount avenue, Salesman.  
Roberts, Ralph W., 148 Chapel court, Boys' director.  
Roberts, William H., 62 Chandler street, Bookkeeper.  
Robertson, Henry W., 43 Robinson street, Manager.  
Robertson, Walter E., 8 Linden avenue, Clerk.  
Robie, Thomas I., 68 Columbus avenue, Cashier.  
Robinson, Arthur W., 118 Highland road, Clerk.  
Robinson, Edward E., 105 Rogers avenue, Bookkeeper.  
Robinson, Frank M., 39 Electric avenue, Bookkeeper.  
Robinson, Roscoe S., 14 Wiggesworth street, Traveling salesman.  
Robinson, William H., 8 Edmands street, Expressman.  
Rockwell, Leonard W., 315-A Beacon street, Meat cutter.  
Rogers, Andrew J., 25 Bay State avenue, Sail maker.  
Ronayne, John, 22½ Tyler street, Teamster's helper.  
Ross, Frank E., 42 Highland avenue, Builder.  
Russell, Willard H., 41-A Franklin street, Salesman.  
Ryan, John S., 37 Curtis street, Bookkeeper.

## S

- Saben, Edward E., 110 Pearl street, Insurance agent.  
Sadlier, William T., 7 Campbell park, Bookbinder.  
Samuel, Henry, 17 Aldersey street, Marketman.  
Sanborn, Harry F., 274 Summer street, Broker.  
Sanborn, Charles H., 50 Walnut street, Heating contractor.  
Sanborn, J. Walter, 183 Central street, Commission merchant.  
Sanborn, Ralph E., 44 Pritchard avenue, Foreman.  
Sanderson, William W., 15 Berkeley street, Shipper.  
Sargent, A. Eugene, 2 Sargent avenue, Restaurant keeper.  
Sargent, Charles W., 93 Rogers avenue, Clerk.  
Sargent, Oscar G., 36 Cedar street, Ticket agent.  
Sargent, Thomas T. M., 67 Myrtle street, Draughtsman.  
Savage, John M., 27 Rogers avenue, Engineer.  
Savage, Walter F., 28 Avon street, Railroad storekeeper.  
Sawyer, Alfred C., 73 School street; Printer.  
Sawyer, Carroll W., 51 Willow avenue, Salesman.  
Sawyer, Henry R., 10 Browning road, Executor.  
Sawyer, William M., 85 Rogers avenue, Brakeman.  
Schrafft, William E., 49 Belmont street, Confectioner.  
Scott, John Winfield, 35 Hawthorne street, Printer.  
Seabury, William H. H., 8 Clarendon avenue, Collector.  
Sears, Edward S., 130 College avenue, Bookkeeper.  
Sears, George R., 19 Columbus avenue, Manager.  
Sewall, William H., 140 Lowell street, Watchman.  
Seward, William A., 66 Highland avenue, Agent.  
Sexton, George A., 69 Berkeley street, Salesman.  
Sexton, John B., 177 Walnut street, Clerk.  
Seymour, Alfred A., 10 Brook street, Salesman.  
Shaw, Ernest F., 93 Ossipee road, Bookkeeper.  
Shaw, Nathan R., 41 Glen street, Clerk.  
Shay, James J., 46 Florence street, Manufacturer.  
Shea, Charles H., 66 Putnam street, Druggist.  
Shea, Charles Leo, 207 Pearl street, Clerk.  
Shepard, Frederick E., 191 Broadway, Hay and grain dealer.  
Sheridan, Arthur H., 22 Perry street, Cashier.  
Sheridan, Bernard J., 86 Highland road, Foreman.  
Sheridan, George W., 25 Lexington avenue, Accountant.  
Sherriff, Guy M., 238 School street, Electrician.  
Shiner, Alfred F., 158 Linwood street, Produce dealer.  
Shumway, Frank H., 21 Lovell street, Salesman.  
Sidebottom, William, 21 Dartmouth street, Architect.  
Simonds, Samuel W., 27 College avenue, Salesman.  
Skinner, Robert A., 57 Pearson avenue, Foreman.  
Slager, Charles A., 42 Ivaloo street, Builder.  
Small, Herman S., 57 Lowden avenue, Engraver.  
Smalley, Henry C., 15 Bond street, Granite dealer.  
Smith, Albert C., 11-A Wheatland street, Stationary engineer.  
Smith, Arthur A., 15 Summit avenue, Treasurer.  
Smith, Charles A., 55-R Lowell street, Shipper.  
Smith, David C., 231 Willow avenue, Newsdealer.  
Smith, Edward P., 45 Josephine avenue, Bookkeeper.  
Smith, Ferdinand T., 25 Curtis street, Salesman.  
Smith, F. Ellwood, 70 Chandler street, Manager.  
Smith, Harry A., 26 Flint street, Restaurant keeper.  
Smith, Philip J., 83 Bay State avenue, Ship broker.  
Smith, Robert E., 23 Hamlet street, Foreman.  
Smith, William H., 26 Central street, Contractor.  
Snow, George W., 14 Edmands street, Electrician.  
Snow, Herbert W., 199 Pearl street, Salesman.



Snow, Stillman J., 34 Tower street, Agent.  
 Snow, Walter H., 42 Derby street, Ice cream manufacturer.  
 Snow, William A., 17 Francesca avenue, Iron dealer.  
 Solomon, Frank L., 12 Berkeley street, Manufacturer.  
 Soule, H. Austin, 124 Summer street, Civil engineer.  
 Sparrow, Edmund S., 27 Meacham road, Hardware.  
 Spear, Charles W., 22 Gibbens street, Marketman.  
 Spaulding, Frank P., 39 Hall avenue, Agent.  
 Spaulding, James R., 57 Chandler street, Merchant.  
 Sprague, Franklin S., 17 Winter street, Bed dealer.  
 Sprague, Wallace C., 35 Fairmount avenue, Bookkeeper.  
 Stackpole, J. Frank, 746 Broadway, Real estate agent.  
 Staples, Mendall G., 3 Pearl terrace, Janitor.  
 Stearns, Charles V., 25 Rogers avenue, Clerk.  
 Steele, Leslie H., 8 Leslie place, Newsdealer.  
 Stevens, Albion M., 32 Fellsway West, Optician.  
 Stevens, Charles H., 10 Oakland avenue, Butter dealer.  
 Stevens, James H., 18 Melvin street, Superintendent.  
 Stocker, George F., 1 Lexington avenue, Traveling salesman.  
 Stone, Frank J., 66 Highland avenue, Agent.  
 Stone, Walter E., 124 Walnut street, Insurance agent.  
 Stout, Harry G., 99 Hudson street, Desk packer.  
 Sturtevant, George H., 78 Columbus avenue, Clerk.  
 Sullivan, Charles W., 94 Gilman street, Electrician.  
 Sullivan, Cornelius, 12 Perry street, Brass moulder.  
 Sullivan, Daniel, 44 Burnside avenue, Salesman.  
 Swan, F. Waldo, 86 Belmont street, Salesman.  
 Sweeney, Eugene F., 111 Belmont street, Printer.  
 Sweeney, William J., 67 Sycamore street, Salesman.  
 Sweeny, John F., 56 Columbus avenue, Assistant superintendent.  
 Sylvester, John P., 34 Benton road, Manufacturer.

### T

Taapken, John R., 227 Holland street, Clerk.  
 Taft, Fred S., 67 Columbus avenue, Druggist.  
 Talbot, Edwin R., 222 Medford street, Clerk.  
 Tanner, Oscar H., 19 Prospect Hill avenue, Chemist.  
 Tarbell, Charles J., 36 Lowden avenue, Printer.  
 Tarbox, Edwin F., 9 Carver street, Yardmaster.  
 Tarbox, French O. J., 51 Victoria street, Pit man.  
 Tarr, Harold E., 170 Central street, Electrical engineer.  
 Tattan, Michael H., 458 Somerville avenue, Real estate agent.  
 Taylor, Bayard, 28 Cedar street, Clerk.  
 Taylor, Chester H., 45 Sawyer avenue, Ice cream dealer.  
 Taylor, Walter F., 18 Virginia street, Clerk.  
 Teele, Frank A., 33 Wallace street, Real estate dealer.  
 Thayer, George E., 285 Medford street, Weigher.  
 Thayer, Percy E., 42 Everett avenue, Salesman.  
 Thiery, William O., 34 Central street, Salesman.  
 Thomas, Fred, 18 Madison street, Clerk.  
 Thomas, Joseph M., 23 Stickney avenue, Produce merchant.  
 Thompson, Alvah M., 134 Highland avenue, Beef dealer.  
 Thompson, Charles W., 237 School street, Music dealer.  
 Thomson, Emerson, 18 Mystic street, Station agent.  
 Thornquist, Carl Jacob, 100 Packard avenue, Stock broker.  
 Thurston, Edwin E., 29 Evergreen avenue, Provision dealer.  
 Tibbetts, Harris P., 33 Bradley street, Carpenter.  
 Titus, Anson M., 10 Raymond avenue, Estimator.  
 Titus, Harry A., 8 Lowden avenue, Clerk.

Tobin, John J., 373 Somerville avenue, Shoe dealer.  
 Tomfohrde, Richard, 216 Highland avenue, Restaurant keeper.  
 Toppan, Arthur W., 209 Highland avenue, Boat dealer.  
 Torrens, William L., 255 Broadway, Wood turner.  
 Towne, Walter A., 25 Melvin street, Insurance agent.  
 Traiser, William E., 21 Howe street, Cigar merchant.  
 Trauschke, Henry H., 78 Fremont street, Clerk.  
 Tribble, Hiram, 50 Chandler street, Inspector.  
 Tripp, William A., 8 Pearl terrace, Shipper.  
 True, Harry A., 120 College avenue, Real estate dealer.  
 Trueman, J. Albert F., 7 Westwood road, Lumber dealer.  
 Turner, Walter F., 15 Highland road, Traveling salesman.  
 Twombly, Benjamin R., 19 Greenville street, Painter.

### U

Ulm, Albert A., 59 Preston road, Printer.  
 Underwood, Louis F., 50 Meacham road, Provision dealer.  
 Upton, Samuel, 102 Glenwood road, Mechanic.  
 Usher, Samuel, 2nd, 15 Cedar street, Bookkeeper.

### V

Van Buren, John D., 45 Tufts street, Painter.  
 Van Ummersen, Richard, 97 Munroe street, Freight agent.  
 Varney, Charles A., 25 Teele avenue, Inspector.  
 Vaughn, James L., 594 Broadway, Weigher.  
 Viall, John B., 4 Webster street, No occupation.  
 Vincent, Chester W., 159 College avenue, Cutter.  
 Vinal, Arthur P., 36 Walnut street, Lumber dealer.  
 Vinal, Charles H., 6 Warner street, Salesman.  
 Vorce, Martin E., 29-A Putnam street, Newsdealer.

### W

Wadleigh, William Y., 65 Boston street, Grocer.  
 Wainwright, Charles H., 29 Cambria street, Contractor.  
 Waitt, Ernest L., 22 Norwood avenue, Secretary.  
 Wakefield, Chester K., 21 Flint street, Salesman.  
 Waldron, Ralph D., 74 Hudson street, Grocer.  
 Walker, Andrew R., 14 Flint street, Teamster.  
 Walker, George, 26 Wallace street, Salesman.  
 Walker, Granville A., 9 Loring street, Painter.  
 Walker, James, Jr., 92 Marshall street, Auditor.  
 Walker, Thomas G., 5 Dell street, Foreman.  
 Wanless, David, 534 Medford street, Dry goods merchant.  
 Ward, Edward G., 3 Dane street, Chauffeur.  
 Ward, Irving H., 24 Wesley park, Salesman.  
 Ware, Samuel L., 54 Dartmouth street, Mechanical engineer.  
 Washburn, William, 261 Broadway, Painter.  
 Watson, Harry S., 42 Boston street, Clerk.  
 Watters, James, 41 Mystic avenue, No occupation.  
 Watters, Robert D., 16 Ames street, Buyer.  
 Waugh, W. Whitney, 125 Highland road, Salesman.  
 Webster, Daniel W., 10 Virginia street, Shipper.  
 Welch, James R., 24 Hall street, Bookkeeper.  
 Wellington, J. Frank, 23 Summit avenue, Coal dealer.  
 Wentworth, Frank H., 61 Dartmouth street, Salesman.  
 West, Edward B., 42 Preston road, Hay and grain dealer.  
 West, Rufus, 23 Curtis street, Fruit dealer.  
 Whitaker, George E., 75 Walnut street, Publisher.

White, Frank H., 14 Montgomery avenue, Map mounter.  
 White, Harry N., 94 Grant street, Salesman.  
 White, William Warren, 30 Richdale avenue, Map mounter.  
 Whiting, Edward E., 17 Ossipee road, Editor.  
 Whiting, George, 61 Mt. Vernon street, Milk contractor.  
 Whiting, James G., 61 Mt. Vernon street, Milk contractor.  
 Whitney, Duane T., 4 Putnam street, Salesman.  
 Whittier, Henry F., 30 Delaware street, Superintendent.  
 Wiggin, Albert L., 13 Knapp street, Clerk.  
 Wiggin, Harry H., 77 Belmont street, Lumber dealer.  
 Wiggin, Walter S., 74 Walnut street, Salesman.  
 Wilder, George H., 35 Webster street, Produce dealer.  
 Wiley, Henry C., 75 Thurston street, Broker.  
 Willard, William J., 24 Grand View avenue, Cashier.  
 Williams, Charles H., 45 Lexington avenue, Builder.  
 Williams, Leon C., 186 Broadway, Salesman.  
 Williston, Belvin T., 3 Monmouth street, Draughtsman.  
 Willoughby, George T., 111 Central street, Carpenter.  
 Wilson, Harry A., 23 Brastow avenue, Foreman.  
 Wisdom, Arthur E., 84 Avon street, Real estate agent.  
 Wiswell, Edward G., 22 Webster street, Confectioner.  
 Withington, Henry A., 189 Summer street, Office manager.  
 Wood, Charles H., 7 Bigelow street, Manager.  
 Wood, George A., 40 Laurel street, Merchant.  
 Wood, Herbert F., 69 Partridge avenue, Inspector.  
 Wood, Herbert W., 75 Wallace street, Shell worker.  
 Wood, William F., 47 Morrison avenue, Painter.  
 Woodberry, William H., 181 Central street, Manufacturer.  
 Woodley, Edward W., 25 Kidder avenue, Printer.  
 Woodward, Guy S., 126 Central street, Assistant station agent.  
 Woodward, Leonard S., 52 Dartmouth street, Bookkeeper.  
 Wyman, Charles B., 67 Thurston street, Restaurant keeper.  
 Wyman, Harry E., 18 Tower street, Accountant.

### Y

Yates, W. Dudley, 22 Powder House terrace, Superintendent.  
 Yerxa, Robert A., 71 Berkeley street, Creamery proprietor.  
 York, Ernest A., 10 Thorndike street, Driver.  
 Young, Alfred M., 8 Cutter park, Optician.  
 Young, Benjamin A., 8 Everett street, Clerk.  
 Younker, Richard E., 9 Rossmore street, Wheelwright.

CHARLES P. LINCOLN, Chairman,  
 EDWIN D. SIBLEY,  
 CHARLES E. PARKS,  
 FREDERIC W. COOK,

Board of Registrars of Voters.

# CITY GOVERNMENT AND OFFICERS FOR 1910.

## Mayor.

John M. Woods,  
47 Spring street.

## Board of Aldermen.

*President*—RAY R. RIDEOUT.

*Vice-President*—RALPH M. SMITH.

### WARD ONE.

Leslie E. A. Smith, Alderman-at-large . . . . .	16 Lincoln street
Fred E. Hanley . . . . .	40 Oliver street
William H. Smith . . . . .	16 Mystic street

### WARD TWO.

Paul R. Valentine, Alderman-at-large . . . . .	2 Bolton street
Joseph A. Haley . . . . .	7 Linden street
Edmond Russell . . . . .	57 Dane street

### WARD THREE.

William E. Copithorne, Alderman-at-large . . . . .	81 School street
Charles W. Boyer . . . . .	50 Highland avenue
Frank R. Dunklee . . . . .	5 Prospect Hill avenue

### WARD FOUR.

Ray R. Rideout, Alderman-at-large . . . . .	22 Dana street
William P. Jones . . . . .	13-A Maple avenue
Charles W. Hodgdon . . . . .	22 Wigglesworth street

### WARD FIVE.

Alphonso A. Wyman, Alderman-at-large . . . . .	35 Bartlett street
Gerald A. Gardner . . . . .	8 Hudson street
Ellsworth Fisk . . . . .	44 Heath street

### WARD SIX.

Edgar A. Smith, Alderman-at-large . . . . .	45 Cedar street
Oscar H. Belding . . . . .	182 Highland avenue
Joseph O. Knox . . . . .	109 Rogers avenue

### WARD SEVEN.

Jesse E. Perry, Alderman-at-large . . . . .	6 William street
Ralph M. Smith . . . . .	80 Bay State avenue
William B. Brown . . . . .	72 Wallace street

*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.**

ACCOUNTS.—Aldermen Valentine, Dunklee and Fisk.

BONDS.—Aldermen Haley, Smith (Ward 6) and Dunklee.

CITY ENGINEERING.—Aldermen W. H. Smith (Ward 1), Belding and Brown.

CLAIMS.—The President, Aldermen Wyman and Smith (Ward 6).

ELECTIONS.—Aldermen Belding, Russell and Fisk.

ELECTRIC LINES AND LIGHTS.—Aldermen Smith (Ward 6), Dunklee, Valentine, Perry and Fisk.

FINANCE.—The President, Aldermen Perry, Wyman, L. E. A. Smith (Ward 1), Valentine, Copithorne and Smith (Ward 6).

FIRE DEPARTMENT.—Aldermen Copithorne, Haley, Perry, W. H. Smith (Ward 1) and Jones.

GRADE CROSSINGS.—Aldermen Valentine, Boyer, L. E. A. Smith (Ward 1), Hodgdon and Knox.

HIGHWAYS.—Aldermen Wyman, Boyer, Hanley, Haley, Jones, Belding and Smith (Ward 7).

LEGISLATIVE MATTERS.—The President, Aldermen Wyman and W. H. Smith (Ward 1).

LICENSES.—Aldermen Gardner, Jones, Brown, W. H. Smith (Ward 1) and Russell.

ORDINANCES AND RULES.—Aldermen Smith (Ward 7), Fisk and Knox.

POLICE.—The President, Aldermen Dunklee and Smith (Ward 7).

PRINTING.—Aldermen Hanley, Russell and Brown.

PUBLIC GROUNDS.—Aldermen Haley, Smith (Ward 7), Copithorne, Knox and Hanley.

PUBLIC PROPERTY.—Aldermen L. E. A. Smith (Ward 1), Hodgdon, Belding, Boyer and Gardner.

SEWERS.—Aldermen Hanley, Hodgdon and Gardner.

SPECIAL BUILDING PERMITS.—Aldermen Boyer, Russell and Hodgdon.

STATE AID AND SOLDIERS' RELIEF.—Aldermen Perry, L. E. A. Smith (Ward 1) and Gardner.

WATER.—Aldermen Jones, Knox and Copithorne.

**School Committee.**

*Chairman.*—HENRY H. FOLSOM.

*Vice-Chairman.*—GEORGE C. MAHONEY.

(Term, two years, except members ex-officiis.)

JOHN M. WOODS, Mayor (ex-officio), 47 Spring street.

RAY R. RIDEOUT, President Board of Aldermen (ex-officio), 22 Dana street.

## WARD ONE.

EMORY F. CHAFFEE (elected 1908), 109 Pearl street.

MARY G. WHITING (elected 1909), 61 Mt. Vernon street.

## WARD TWO.

THOMAS M. CLANCY (elected 1908), 52 Springfield street.

DANIEL H. BRADLEY (elected 1909), 19 Concord avenue.

## WARD THREE.

WILBUR S. CLARKE (elected 1908), 40 Vinal avenue.

GEORGE E. WHITAKER (elected 1909), 75 Walnut street.

## WARD FOUR.

GEORGE W. FOSTER (elected 1908), 7 Evergreen avenue.  
CHARLES A. KIRKPATRICK, JR. (elected 1909), 27 Sewall street.

## WARD FIVE

J. WALTER SANBORN (elected 1908), 183 Central street.  
HENRY H. FOLSOM (elected 1909), 103 Central street.

## WARD SIX.

LEONARD H. POTE (elected 1908), 694 Broadway (resigned April 25, 1910).

FREDERICK A. P. FISKE (elected 1909), 44 Cherry street.  
MARY R. BREWER (elected May 19, 1910, for remainder of municipal year), 170 Summer street.

## WARD SEVEN.

GEORGE C. MAHONEY (elected 1909), 97 College avenue.  
LILLA H. TAINTER (elected 1909, to fill vacancy), 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 1911).

WINSOR L. SNOW (term expires 1912).

HARRY VAN IDERSTINE (appointed March 10, 1910, to fill vacancy, term expires 1911).

**Assistant Assessors.**

(Term, one year.)

FRED B. CLAPP.	JOHN FRANKLIN STACKPOLE.
J. ROBERT FENELON.	JAMES WILSON.
GEORGE I. CANFIELD.	JAMES A. BUTLER.

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).

ZEBEDEE E. CLIFF (term expires 1911) (resigned January 13, 1910).

JACKSON CALDWELL (term expires 1912).

WILLIAM P. FRENCH (for remainder of municipal year).

*Clerk.*—WILLIAM P. MITCHELL.

*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 1911).

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).

CHARLES E. PARKS (term expires 1911) (resigned June 23, 1910).

EDWIN D. SIBLEY (term expires 1912).

DOUGLASS B. FOSTER (appointed July 14, 1910, to fill vacancy).

FREDERIC W. COOK, City Clerk (term expires 1911).

**Public Library Trustees.**

(Term, three years.)

THOMAS M. DURELL, Chairman (term expires 1913).

JOHN B. VIALI (term expires 1911).

J. FRANK WELLINGTON (term expires 1911).

FREDERICK W. PARKER (term expires 1912).

WILLIAM L. BARBER (term expires 1913).

CHARLES L. NOYES (term expires 1911).

FREDERICK W. HAMILTON (term expires 1912).

WILLIAM H. BURGESS (term expires 1912).

CHARLES M. AMBROSE (term expires 1913).

*Librarian and Secretary.*—SAM WALTER FOSS.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. KAAAN,  
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 (appointed January 13, 1910).  
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 (appointed January 13, 1910).  
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.

**Fence Viewers.**

LAMBERT M. MAYNARD,  
90 Highland avenue.  
CHARLES M. BERRY,  
60 Prescott street.

**Burial Agent.**

UNDER REVISED LAWS, CHAPTER 79, SECTION 20.

JOHN H. DUSSEAULT,  
42 Sargent avenue.

**Constables.**

GEORGE H. CARLETON.	WILLIAM D. HAYDEN.
EUGENE A. CARTER.	FRANKLIN W. HOPKINS.
WINSLOW W. COFFIN.	DENNIS KELLEY.
THOMAS DAMERY.	CHARLES A. KENDALL.
CHARLES L. ELLIS.	JAIRUS MANN.
CHARLES C. FOLSOM.	JOHN J. MCCARTHY.
PATRICK J. GARVIN.	CHARLES B. PALMER.
ARTHUR L. GILMAN.	ROBERT R. PERRY.
FREDERICK A. HANSCOM.	MALCOLM E. STURTEVANT.
JAMES A. HARMON.	CHARLES E. WOODMAN.

**Measurer of Wood and Bark.**

WILLIAM B. HOLMES,  
317 Broadway,

**Measurer of Grain.**

EVERETT C. EMERY.

**Public Weigher in Charge of City Scales at City Ledge.**

WILLIAM H. WHITCOMB.

**Weighers of Coal.**

DANIEL F. ASH.	PHILIP C. McMAHON.
EDGAR H. BARKER.	GEORGE H. MOORE.
ELMER E. BEACHAM.	FRANK J. OBERLE.
JOHN L. BLAKE.	LEWIS O'BRIEN.
WILLIAM R. CAMPBELL.	JAMES P. O'NEILL.
CORNELIUS F. COAKLEY.	JOHN J. O'NEILL.
ELLSWORTH J. CULLEN.	MARK W. PATTEN.
WILLIAM G. CUMMINGS.	LOTTIE L. RICE.
ALBERTUS L. DAKIN.	OBADIAH E. RING.
CHARLES F. DOHERTY.	WILLIAM H. ROBINSON.
AMHERST F. DURKEE.	AVERY U. ROCKWOOD.
EVERETT C. EMERY.	ABRAM SIMON.
FRED L. ESTEY.	WALTER K. SMITH.
JOHN D. FLYNN.	J. FRANK TALBOT.
CHARLES T. GARLAND.	ORREN S. TARR.
WILLIAM E. GERRISH.	FRANK A. TEELE.
GEORGE F. GROGAN.	WILLIAM J. THOMPSON.
ADALA C. HIGGINS.	WILLIAM A. THURSTON.
JAMES JOHNSTON.	JOHN P. TULLY.
SYLVANUS R. KNEELAND.	ALFRED J. WALDRON.
JOHN F. KELLY.	C. JENNIE WALLACE.
WILLIAM M. LENNAN.	JAMES WALLACE.
GEORGE H. MARSH.	THOMAS WALSH.
JOHN A. MARSH.	CHARLES H. WARD.
FRANK T. McMAHON.	JOHN H. WOODMAN.
JOHN J. McMAHON.	LEROY L. WOODMAN.

**Weighers of Beef.**

ALBERT E. BAKER.	THOMAS S. PARKER.
FRANCIS A. BENNETT.	WILLIAM E. ROEDER.
OLIVER BRYANT.	GEORGE RYAN.
CARL BURROWS.	CARL F. SAMPSON.
GEORGE M. CHISHOLM.	WILLIS B. SARGENT.
WILLIAM J. DOONER.	WALTER SAVAGE.
JOHN FLAHERTY.	EDWIN F. SEASLEY.
IRA W. FORSAITH.	FRANK H. SHAW.
VINCENT GRAVES.	ROBERT E. SMITH.
FRED HARRIS.	LEONARD STICKLEY.
JOSEPH F. HAUSE.	L. G. TRAFTON.
ARTHUR F. MASON.	JOSEPH F. TYTER.
M. J. McCORMACK.	GEORGE C. WILLIAMS.
REUBEN W. MEAD.	TOBIAS YAVNER.
JOSEPH MURPHY.	

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