



CITY OF SOMERVILLE

MASSACHUSETTS

ANNUAL REPORTS

1909

With Mayor's Inaugural Address

Delivered Jan. 3, 1910



SOMERVILLE JOURNAL PRINT

1910

INAUGURAL ADDRESS

DELIVERED BY

Mayor John M. Woods .

MONDAY, JANUARY 3, 1910

Gentlemen of the Board of Aldermen:—

I pause at the threshold of the new year to pay a loving tribute to the noble characters who have passed from mortal sight in the year that is gone,—Quincy E. Dickerman, noble citizen, faithful teacher, wise in councils for many years in the school board; Mrs. Attwood, earnest, active, and faithful in school affairs; Captain Harrison Aldrich, Comrade James F. Davlin, Commander Charles D. Dean, of Post 139, G. A. R., true in war, faithful in peace,

“On Fame’s eternal camping-ground their silent tents are spread,

While Glory guards, with solemn round, the bivouac of the dead”;

Charles A. Cushman, noble, generous soul, and man of large affairs; Hon. Francis H. Raymond, faithful public servant and honorable citizen; Rev. Father Galvin, teacher and preacher of righteousness for many years; and William A. Flaherty, respected as a citizen, honorable as a public servant. “A good name is better than great riches, and loving favor than fine gold.”

Words are but feeble instruments to express my gratitude to the Giver of All Good for His merciful kindness to us as a

municipality and as individuals, and to express to you, my fellow-citizens, my appreciation of the confidence you have shown in me in electing me for a second term the chief executive of the city. For this high and distinguished honor I promise in return the best service I can render.

The whole civilized world is to-day witnessing a public recognition of the fact that the problem of the hour is that of municipal life. The frontier problem has been solved, and with the solution there has come a backward sweep in the tide of people from the country to the city. Now, as in the early days, it is the city that is the heart of the nation, and the city problems are the ones that most heavily tax all the powers of present-day statesmanship. Population concentrates, and demands for new requirements of new population grow more insistent each year. The power of light as a police agent, of the beautiful in environment as a civilizing agent, the right of the people to aid in the pursuit of happiness,—these are present-day problems for us to work out and solve. They will not down at any man's or party's bidding. The nearer the people are to the government, and the more that are interested in it, the better it will be. After all, the government of this city or any other is but a reflex of the people's will. Public servants want to please the people and carry out their wishes. The momentous danger lies in the lethargy of the people. At the city election held December 14 last, forty-four and a fraction of every hundred legal voters said by their action: "We have no interest in the enforcement of law, and care nothing how the money we pay in taxes is expended or who expends it." Take no interest in the welfare of your city, and some day you may awake to find a corrupt political demagogue in the mayor's chair and men of like stamp in your board of aldermen. "Eternal vigilance is the price of liberty."

Revision of the City Charter.

Last year I submitted to the board of aldermen some amendments to the city charter, and asked not only their co-operation, but that of the people, to secure from the legislature these changes. The effort was fruitless, as neither aldermen nor people co-operated with me. I shall not renew the appeal to the legislature, believing it would be useless, but I should be false to myself, to the high office I hold, and to the people, if I

did not, with all the earnestness and emphasis possible, urge upon you to take immediate steps towards a revision of the city charter. A year's experience has fully demonstrated to me its incongruities and inconsistencies, and its inadaptability to present-day needs. It was the best thought of the men who framed it, was adapted to that time, and was a vast improvement over the old one, but time and experience have proved to me that it is not in line with the best municipal thought of to-day. Many of the good business rules and methods of ten years ago are to-day discarded as obsolete. Much of the legislation enacted ten years ago is either repealed or amended almost beyond recognition. If you desire the city to be managed honestly and according to the best business methods, changes in the charter are imperative to make it possible. I believe it well worth the experiment to elect the mayor and aldermen for two years or more, and that the board of aldermen be reduced to seven or nine, and all elected at large, and to have all matters considered in committee of the whole. Then each one would be in touch with the needs of the whole city. I believe it would result in electing broader and better men, and they would realize their responsibility to the whole city, rather than to the ward where their domicile is. I have dwelt somewhat at length on this subject, believing it of vastly more importance than the details of the methods of departments, or the history of what has been accomplished the past year.

City Departments.

The several departments of the city are, generally speaking, in good condition. The changes made in the heads of the police and electric lines and lights departments have proved most satisfactory, and both departments have been brought up to a high degree of efficiency.

Chief Hopkins, for thirty-seven years the head of the fire department, and for more than a half-century a respected citizen and able fire-fighter, retires at his own request. I hope to place a man at the head of this department who will bring it to such a state of efficiency and discipline that no just criticism can be made against it. By the granting to the firemen of one day off in six, instead of one day off in eight, an unnecessary burden has been laid upon the tax-payers, with no benefit to

the men, and a permanent injury to the city. I am pleased at the general approval of my veto of this matter.

The highway department is not in a satisfactory condition. For many years there has been a good deal of complaint from many of our citizens at the way in which it has been managed. The facts fully warrant this dissatisfaction. Owing to circumstances entirely beyond my control, and against my best judgment, I re-appointed the head of this department. There was no other alternative. Owing to the strained relations existing the first of the year between the executive and legislative branches of the government, it was an impossibility to put any other man in his place. What could not be cured must, of necessity, be endured. The city's business could not be allowed to suffer, so I did the only thing that could be done under the circumstances. The revelations of dishonesty in this department are known to all. Early in the year I called the attention of the commissioner to the man now serving sentence for padding the pay-rolls, saying that I believed him both incompetent and dishonest. He was under civil service, and could not be touched without specific charges and proof. Although dishonesty in this department may have ceased, incompetency, waste, and favoritism still continue. There should be a new, competent head of this department. Last year I pointed out the only safe and sure remedy for the present condition of matters, which, if it had been adopted, would have resulted in a department run along business lines and in a great saving to the city.

Licenses.

For this year, as formerly, the city has declared in an emphatic manner that intoxicating liquors shall not be sold. While I believe that most of the druggists are honorable men and intend to obey the law, the facts show that some do not. I believe the city will not suffer if a less number of licenses of this class is granted. There is no privilege granted by your honorable board that I believe is so much abused as that granted to expressmen to transport liquors into the city. The books of a number of them show that they are substantially agents for Boston liquor firms. I believe the number of these permits ought to be materially decreased, and that no harm would come to the city if none were granted.

There has been a large increase in the applications for common victuallers' licenses. I am satisfied that some could not readily furnish a meal of victuals. Some of them, I am satisfied, want a license so they can keep open Sundays.

I renew the request of last year that the committee on licenses give the closest scrutiny to all applicants, especially druggists, liquor expresses, common victuallers, and junk peddlers and dealers. I shall use all the means in my power to enforce all the laws and ordinances.

Playgrounds.

A good beginning has been made the past year in the matter of playgrounds. What has been done appears to meet the approval of the most of our citizens. The good work should be continued, especially for the benefit of the younger children.

New Bridges.

The street and bridges over the Somerville-avenue crossing of the railroad tracks and the Lowell-street bridges and approaches will be completed at an early date. I recommend that the completion of these long-desired and much-needed improvements be recognized officially in a proper manner.

Alewife Brook.

A bill is before the legislature to make the centre of the new location of Alewife brook the dividing line between Somerville and the cities and towns on the other side. I commend this bill to your hearty endorsement and support. It is believed there will be a bill introduced in the legislature to change the name of Alewife brook to Menotomy river. I believe this city ought to oppose this change of name by every means possible. This brook by this name is a part of our history and traditions.

New Athletic Field.

In this connection, it is understood that the metropolitan park commission will turn back to the city quite a tract of land along the banks of this brook. The agreement between Tufts college and the city for the Broadway athletic field will soon terminate. As I said last year, I believe in good, clean athletic sports and in having a suitable, well-equipped place for them. I recommend that preliminary steps be taken to secure land for

this purpose. As an eye-witness of most of the important games played on the Broadway field, I have yet to learn of any one complaining of the price of the tickets, or that they did not get their money's worth. Such a field, open to the public when not needed for school athletic purposes, would prove a great blessing. I make no apology to anybody for being a baseball and football enthusiast, and I hope to see Somerville have teams that will do them all up, like Somerville did Waltham last year.

Metropolitan Boulevard.

The joint commission on metropolitan improvements has had several hearings on the matter of a boulevard through Somerville and Cambridge, connecting the north and south park systems. Our city was most ably represented at these hearings by Alderman Shepard, in charge, City Solicitor Kaan, and many others. I am in hopes the commission will report favorably. I ask your earnest support, and that of all our citizens, to secure this greatly-needed connecting link, which cannot fail to be of immense value to our city.

Care of the Streets.

It seems good judgment to pursue the same policy towards the streets as last year, giving the greatest attention to the main thoroughfares, especially Somerville avenue. A number of the streets have been treated with binding and dust-laying preparations, saving the street and lessening the dust. I believe it wise to continue to use the preparations on streets that are in good condition. "Cleanliness is next to godliness." The streets are the living-rooms and show-windows of the city, used and seen by all the people and the strangers within our gates,—if clean and wholesome, a pleasure and benefit to all; if dirty and littered, an eyesore to everybody, a menace to health, and a disgrace to the city.

Our Water-Front.

The bathhouse and shelter on Mystic river have proved a great success. I hope to see some steps taken to secure for all time this water-front for the use of our people. What has been done by the legislature for Revere, Lynn, and Swampscott I believe we should ask the legislature to do for Somerville. Later I hope to make some specific recommendations in rela-

tion to increased facilities, so as to make this a popular and safe resort.

Police Court.

There is imperative need of additional room and accommodations for the transaction of the business of this court, and for the preservation of its records. Plans have been drawn by the building commissioner for such changes and improvements as seem to be necessary. These are ready for examination at the convenience of the court.

Financial Condition of the City.

The city is in a sound financial condition, and its credit excellent. All bills are paid, and a substantial balance is in the treasury. All the facts and figures relating to the debt, receipts, and expenditures are a part of this address which I commend to the thoughtful consideration of every tax-payer.

The total funded debt of the city January 1, 1909, was \$1,466,500. This debt was increased during the year \$190,000. It was decreased \$153,500, leaving the net funded debt January 1, 1910, \$1,503,000, an increase of \$36,500.

The total amount of taxable property is \$63,658,953.20, of which \$57,295,600 is real estate and \$6,363,353.20 is personal estate. At a rate of \$18.60 on each \$1,000 of valuation, the tax is \$1,184,056.53. There are 21,191 polls at \$2, making \$42,382. Amount assessed for street sprinkling, \$30,677.25, and for the suppression of gypsy and brown-tail moths, \$1,649.41; on non-resident bank shares to be paid to the state, \$1,379.13, making a total tax levy of \$1,260,144.32. Total number of persons assessed, resident and non-resident, was 29,007.

Of the amount of the tax levy, \$220,000 is required for the debt provisions; \$210,731.53 are state and county taxes, metropolitan district assessments, overlay and abatement, etc., matters over which the city has no control; \$417,500 is used for current expenses of departments, over which the board of aldermen has no control; \$335,825 is the amount for current expenses within control of the board of aldermen.

The same statement based upon \$18.60 per thousand is as follows: Of each \$18.60, \$3.31 is for state, county, and metropolitan taxes and overlay and abatement; \$3.45 for debt requirements; \$6.57 for current expenses over which the board of aldermen has no control; \$5.27 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 \$223,094.29 on water income account; we received \$35,184.68 from corporation and bank taxes; from the clerk of the courts, \$2,321; from the county treasurer, for dog licenses, \$3,796.11; from the state, the street railway tax, \$45,778.32; from the Boston Elevated railway tax, \$9,236.99; a total of \$319,411.39, making the total amount available from these sources and from taxes \$1,579,555.71.

Funded Debt.—The funded debt of the city January 1, 1909, was as follows:—

City Loan	\$1,058,500 00
Sewer Loan	305,000 00
Paving Loan	20,000 00
Water Loan	62,000 00
Metropolitan Park Assessment Loan	21,000 00
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	\$1,466,500 00

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

Highways Construction	\$80,000 00
Highways Construction, Lowell Street Bridges	40,000 00
Highways, Paved Gutters and Crossings, Public Buildings Construction, Building Public Buildings	20,000 00
Sewers Construction	30,000 00
Sidewalks Construction	12,000 00
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	\$190,000 00

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

City Loan	\$125,500 00
Sewer Loan	16,000 00
Paving Loan	5,000 00
Water Loan	6,000 00
Metropolitan Park Assessment Loan	1,000 00
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	\$153,500 00

Leaving the funded debt of the city January 1, 1910, \$1,503,000 (an increase of \$36,500 over the previous year), classified as follows:—

City Loan bonds bearing interest at 3½ per cent.	\$364,000 00
City Loan bonds bearing interest at 4 per cent.	689,000 00
City Loan Sewer bonds bearing interest at 3½ per cent.	96,000 00
City Loan Sewer bonds bearing interest at 4 per cent.	221,000 00
City Loan Sewer bonds bearing interest at 4½ per cent.	2,000 00
City Loan Paving bonds bearing interest at 4 per cent.	15,000 00
Water Loan bonds bearing interest at 4 per cent.	56,000 00
Metropolitan Park Assessment Loan bonds bearing interest at 3½ per cent.	20,000 00
Lowell Street Bridge Loan bonds bearing interest at 3½ per cent.	40,000 00
Total Funded Debt January 1, 1910	<u>\$1,503,000 00</u>

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 May 1, 1909, was duly submitted to the collector.

The total amount of taxable property, not including non-resident bank shares, was \$63,658,953.20, and the rate established was \$18.60 on each \$1,000 valuation, as follows:—

Real estate, valuation.	\$57,295,600 00
Personal estate, valuation	6,310,100 00
Resident bank shares	53,253 20
Total valuation	<u>\$63,658,953 20</u>
At a rate of \$18.60 on each \$1,000 valuation	\$1,184,056 53
Non-resident bank shares, \$74,146.80 at \$18.60	1,379 13
Polls, 21,191 at \$2	42,382 00
Amount carried forward	<u>\$1,227,817 66</u>

Amount brought forward	\$1,227,817 66
Street sprinkling	30,677 25
Suppression of gypsy and brown-tail moths	1,649 41
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Total amount of tax levy	\$1,260,144 32
Total number of persons assessed, resident and non-resident, 29,007.	

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	\$5.27	\$335,825 00
Current expenses of departments over which the board of aldermen has no control	6.57	417,500 00
Debt requirements	3.45	220,000 00
State and county taxes, metropolitan sewer and park assessments, and Overlay account	3.31	210,731 53
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Total amount assessed on a valuation of \$63,658,953.20 at	\$18.60	\$1,184,056 53
Non-resident bank shares		1,379 13
Poll taxes assessed, credited to state and county		42,382 00
Street sprinkling		30,677 25
Suppression of gypsy and brown-tail moth tax		1,649 41
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Total amount of tax levy		\$1,260,144 32

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	2,000 00
City Solicitor	2,450 00
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Amount carried forward	\$33,675 00

Amount brought forward	\$33,675 00
City Treasurer	9,700 00
Clerk of Committees and Departments	4,800 00
Contingent Fund	2,500 00
Election Expenses, City Clerk	1,900 00
Election Expenses, Commissioner of Public Buildings	1,000 00
Election Expenses, Pay of Election Officers	2,600 00
Election Expenses, Registrars of Voters,	1,700 00
Electrical Department	8,500 00
Executive Department	4,000 00
Fire Department	38,000 00
Highways, Suppression of Elm Leaf Beetle	1,000 00
Highways, Suppression of Gypsy and Brown-tail Moths	3,800 00
Inspection of Buildings	4,450 00
Military Aid	900 00
Police	45,000 00
Printing and Stationery	750 00
Public Buildings Maintenance, City Buildings	11,000 00
Public Buildings Maintenance, Fire De- partment	5,000 00
Public Buildings Maintenance, Janitors' Salaries	30,000 00
Public Buildings Maintenance, School- houses	34,000 00
Public Grounds	11,750 00
Sealer of Weights and Measures	1,800 00
Soldiers' Relief	23,000 00
Somerville Hospital	5,000 00
Street Lights	50,000 00
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Total amount assessed on a valuation of \$63,658,953.20 at \$5.27	\$335,825 00

ACCOUNTS OVER WHICH THE BOARD OF ALDERMEN HAS NO CONTROL.

Health Department	\$8,000 00
Health Department, Collection of Ashes and Offal	50,000 00
Health Department, Contagious Disease Hospital	1,000 00
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Amount carried forward	\$59,000 00

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Amount brought forward	\$59,000 00
Health Department, Medical Inspection in Public Schools	1,500 00
Public Library	16,000 00
Public Library, West Somerville Branch,	2,500 00
School Contingent	27,000 00
School Teachers' Salaries	295,000 00
Support of Poor, City Home	3,000 00
Support of Poor, Miscellaneous	13,500 00
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Total amount assessed on a valuation of \$63,658,953.20 at \$6.57	\$417,500 00

ACCOUNTS PROVIDING FOR DEBT REQUIREMENTS.

Interest	\$75,000 00
Reduction of Funded Debt	145,000 00
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Total amount assessed on a valuation of \$63,658,953.20 at \$3.45	\$220,000 00

PROVIDING FOR STATE AND COUNTY TAXES, ETC.

State Tax	\$78,930 00
Deduct one-half of poll taxes, 21,191 00	
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	\$57,739 00
County Tax	\$67,627 10
Deduct one-half of poll taxes, 21,191 00	
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	46,436 10
Metropolitan Sewer Assessment	56,184 31
Metropolitan Park Assessment	31,639 44
Overlay and Abatement	10,552 53
Grade Crossing Tax	2,443 07
Wellington Bridge Tax	5,737 08
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Total amount assessed on a valuation of \$63,658,953.20 at \$3.31	\$210,731 53
Collected for State on non-resident bank shares	1,379 13
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	\$212,110 66

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

From the income of the water works:—

Water Maintenance	\$30,000 00
Less unexpended balance	4,265 23
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	\$25,734 77
Water Loan Interest	2,460 00
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Amount carried forward	\$28,194 77

Amount brought forward	\$28,194 77
Reduction of Funded Debt, Water Loan Bonds	6,000 00
Metropolitan Water Assessment	112,573 20
Water Works Extension . \$15,000 00	
Less unexpended balance 801 92	
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	14,198 08
Sewers Maintenance	12,000 00
Fire Department	38,000 00
Reduction of Funded Debt	12,128 24
	<hr/>
	\$223,094 29

From the income from the state and county:—

Police, the amount received from the state for corporation taxes	\$31,775 39
Police, the amount received from the state for bank taxes	3,409 29
Police, the amount received from the clerk of the courts for fines, costs, etc.	2,321 00
Public Library, the amount received from the county for dog licenses	3,796 11
Highways Maintenance, from street rail- way tax	45,778 32
Highways Maintenance, from Boston Elevated Railway tax	9,236 99
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Total	\$96,317 10
Total from water income and from state and county	\$319,411 39
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The aggregate appropriations from tax levy and from income were as follows:—

From tax levy	\$1,260,144 32
From income	319,411 39
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	\$1,579,555 71

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

YEAR.	Amount of Funded Debt.	Increase of Funded Debt.	Reduction of Funded Debt.	Tax Rate per \$1,000 Valuation on Account of Reduction of Funded Debt.
Town	\$593,349			
Dec. 31, 1872	643,354	\$50,005	. .	. .
" 1873	809,354	166,000	. .	. .
" 1874	1,419,854	610,500	. .	. .
" 1875	1,571,854	152,000	. .	. .
" 1876	1,606,854	45,000	*\$55,130 62	\$2 07
" 1877	1,606,854	10,000	*58,828 58	2 30
" 1878	1,596,854	. .	61,004 64	2 91
" 1879	1,585,000	. .	64,915 76	3 42
" 1880	1,585,000	. .	55,739 35	2 72
" 1881	1,585,000	. .	58,498 64	2 59
" 1882	1,585,000	. .	61,390 59	2 65
" 1883	1,585,000	. .	64,479 01	2 70
" 1884	1,585,000	. .	67,719 33	2 78
" 1885	†1,525,000	. .	71,305 66	2 87
" 1886	1,525,000	. .	66,894 23	2 57
" 1887	1,525,000	. .	70,252 88	2 56
" 1888	†860,500	25,000	37,000 00	1 28
" 1889	952,500	130,000	38,000 00	1 27
" 1890	1,057,500	150,000	45,000 00	1 38
" 1891	1,045,500	45,000	57,000 00	1 55
" 1892	1,194,500	253,000	104,000 00	2 73
" 1893	1,279,500	222,000	137,000 00	3 27
" 1894	1,344,500	172,000	107,000 00	2 42
" 1895	1,506,500	247,000	85,000 00	1 83
" 1896	1,531,000	177,000	152,500 00	3 11
" 1897	1,548,000	167,000	150,000 00	2 39
" 1898	1,552,000	176,000	172,000 00	3 99
" 1899	1,492,500	110,000	169,500 00	3 30
" 1900	1,478,000	152,000	166,500 00	3 17
" 1901	1,461,000	146,000	163,000 00	3 02
" 1902	1,477,000	175,000	159,000 00	2 86
" 1903	1,505,500	197,500	169,000 00	2 96
" 1904	1,498,500	132,500	139,500 00	2 40
" 1905	1,510,000	148,000	136,500 00	2 30
" 1906	1,464,500	100,000	145,500 00	2 41
" 1907	1,508,000	198,000	154,500 00	2 51
" 1908	1,466,500	110,000	151,500 00	2 06
" 1909	1,503,000	190,000	153,500 00	2 42

*\$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 . . .	63,153,400 . . .	1,237,694 72 . . .	18 40
1909 . . .	63,658,953 20 . . .	1,260,144 32 . . .	18 60

Industrial Education.

Upon my request, the committee on industrial education of the school board has made a most careful investigation of this subject, and has submitted a most interesting, instructive, and exhaustive report, which I hope will be published in full. The conclusion reached coincides with my own—that there is a demand for this kind of education sufficient to warrant a beginning being made. While all the experts do not agree upon the methods to be adopted, they do substantially agree upon the necessity of a change in our educational methods to meet what the present system lacks, namely, vocational training in its best and highest sense. I hope to see the experiment tried, even if in a small way, as I believe it the beginning of a new era for the better in education.

The Two Branches of the Government.

There appears to have been some misunderstanding or misapprehension the past year on the part of some of the aldermen as to the powers and duties of both branches of the city government. There is no necessity for this, as the charter is clear and explicit:—

Section 2. The administration of the fiscal, prudential, and municipal affairs of said city shall be vested in an executive department, to consist of the mayor, and a legislative department, to consist of a single body, to be called the board of aldermen. The executive department shall never exercise any legislative power, and the legislative department shall never exercise any executive power.

Section 20. The executive powers of the city shall be vested solely in the mayor, and may be exercised by him either personally or through the several officers and boards in their respective departments, under his general supervision and control.

Section 25. The mayor shall cause the laws, ordinances, and orders for the government of the city to be enforced.

Section 26. The mayor shall have the sole power to sign, seal, and execute all deeds, leases, agreements, contracts, and papers on behalf of the city.

Section 44. Every department except the school board shall at all times be accountable to the mayor for the proper discharge of their duties.

Section 49. No member of a committee of the board of aldermen shall directly or indirectly take part in the employment of labor, the expenditure of public money, the making of contracts, the purchase of materials or supplies, the construction, alteration, or repair of any public work or other property, or in the care, custody, or management of the same, or in the conduct of the executive or administrative business of the city.

The executive has not, and will not, meddle or interfere with the legislative, and will respectfully insist that the legislative shall not with the executive. There should be the heartiest co-operation between them. I made this request in good faith last year, and renew it this year. It appears to me that every member of your honorable board must fully realize that the people have held, and do hold, the mayor responsible, and very properly so, for the city charter, as I have said to you, is emphatic and unequivocal. I accept this responsibility, with all that it implies, and I submit to you, as fair-minded men, is it fair to the executive, or just to the city, to refuse, as was done last year, to confirm some appointments because others were not made, unless there are good and substantial reasons therefor? Every appointment made last year, with the exception heretofore noted, was, and all that will be made this year will be subjected to the closest scrutiny, so as to get the best men possible. As I have said, being alone responsible for the conduct and management of every department in the city, except the school department, I ought to have men at the head in whose ability and integrity I have confidence. "A house divided against itself cannot stand," neither can any man serve two masters. If any head of a department feels that his appointment is forced upon the executive by the board of aldermen, or that he is secure in his position by their favor, it needs no prophet to tell what happens,—he snaps his fingers at the executive, to whom he is made responsible by the charter, and caters to and obeys those by whose power or favor he is put or kept in his position.

Commendation of Department Heads.

It is an impossibility for the executive to exercise more than a careful, general supervision of the different departments. The details and methods must be worked out by the head of each. Criticism has been made when and where it seemed necessary. On the other hand, I should do violence to my own

sense of justice if I did not bestow praise where it is justly due. This city is most fortunate in having such men as City Clerk Cook, City Engineer Bailey, City Treasurer Pike, Building Commissioner Littlefield, Chairman Perkins, of the assessors, Clerk of Committees Mitchell, Chief of Police Kendall, Commissioner Fuller, of the electric lines and lights, Water Commissioner Merrill, Superintendent Clark, of the schools, Sam Walter Foss, of the library, and dear old Jairus Mann, the city messenger,—splendid men all, honest, earnest, able, and sincere in giving the city the best service they can render. I am glad, in their presence and yours, to publicly thank them all for their faithful work as heads of departments, and for their uniform kindness, courtesy, and valuable assistance to the executive.

The people have elected you to legislate, the mayor to execute. Let each one of us solemnly dedicate ourselves to the work before us, to the end that the city may be clean and sound, morally, physically, and financially—a pride to all our citizens and an exemplar to all the world.

REPORT OF THE CITY TREASURER AND COLLECTOR OF TAXES.

Treasurer's Office, February 10, 1910.

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

Gentlemen: The undersigned presents herewith the thirty-eighth 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, 1909.

Public Property.

The value of the public property of the city December 31, 1908, was \$5,302,083.08. The property acquired during the year was as follows:—

Addition to Contagious Disease Hospital	\$4,062 40
Bath House Addition	1,362 03
High School Building	828 00
Public Library, West Somerville Branch:—	
Expended in 1908	\$14,867 50
Expended in 1909	10,582 02
	25,449 52
Sewers, Construction	12,846 03
Water Works Extension	14,198 08
	\$58,746 06

Total public property December 31, 1909, \$5,360,829.14.

Funded Debt.

The funded debt December 31, 1908, as per Table B of the last annual report, was \$1,466,500.

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

Highways, Construction	\$30,000 00
Highways Construction, Lowell Street Bridges	40,000 00
Highways, Paved Gutters and Crossings	8,000 00
Public Buildings Construction, Building Public Buildings,	20,000 00
Sewers, Construction	30,000 00
Sidewalks, Construction	12,000 00

Total amount of appropriations on Funded Debt account	\$190,000 00
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To provide for the above-mentioned appropriations, coupon bonds to the amount of \$190,000 at 3½ per cent. were issued, viz:—

City Loan Bonds Nos. 3726 to 3736, payable 1910	\$11,000 00
City Loan Bonds Nos. 3737 to 3747, payable 1911	11,000 00
City Loan Bonds Nos. 3748 to 3758, payable 1912	11,000 00
City Loan Bonds Nos. 3759 to 3769, payable 1913	11,000 00

Amount carried forward	\$44,000 00
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Amount brought forward	\$44,000 00
City Loan Bonds Nos. 3770 to 3780, payable 1914	11,000 00
City Loan Bonds Nos. 3781 to 3791, payable 1915	11,000 00
City Loan Bonds Nos. 3792 to 3802, payable 1916	11,000 00
City Loan Bonds Nos. 3803 to 3813, payable 1917	11,000 00
City Loan Bonds Nos. 3814 to 3824, payable 1918	11,000 00
City Loan Bonds Nos. 3825 to 3835, payable 1919	11,000 00
City Loan Bond No. 3836, payable 1920	1,000 00
City Loan Bond No. 3837, payable 1921	1,000 00
City Loan Bond No. 3838, payable 1922	1,000 00
City Loan Bond No. 3839, payable 1923	1,000 00
City Loan Bond No. 3840, payable 1924	1,000 00
City Loan Bond No. 3841, payable 1925	1,000 00
City Loan Bond No. 3842, payable 1926	1,000 00
City Loan Bond No. 3843, payable 1927	1,000 00
City Loan Bond No. 3844, payable 1928	1,000 00
City Loan Bond No. 3845, payable 1929	1,000 00
Sewer Loan Bonds Nos. 469 to 498, payable 1910 to 1939,	30,000 00
Lowell Street Bridge Loan Bonds Nos. 1 to 40, payable	40,000 00

Total amount of bonds issued in 1909 \$190,000 00

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

Sewer Loan Bonds, issue of 1909	\$5,000 00
Lowell Street Bridge Loan Bonds, issue of 1909	5,000 00
City Loan Bonds, issue of 1900	1,000 00
City Loan Bonds, issue of 1907	3,000 00
	<hr/>
	\$14,000 00

The following bonds became due during the year:—

City Loan Bond No. Reg. 114, interest 3½ per cent.	\$9,000 00
City Loan Bonds Nos. 3519 to 3529, interest 4 per cent.	11,000 00
City Loan Bonds Nos. 3646 to 3652, interest 4 per cent.	7,000 00
City Loan Bonds Nos. 1698 to 1703, interest 4 per cent.	6,000 00
City Loan Bonds Nos. 1963 to 1976, interest 4 per cent.	14,000 00
City Loan Bond No. Reg. 171, interest 4 per cent.	8,000 00
City Loan Bonds Nos. 2326 to 2330, interest 4 per cent.	5,000 00
City Loan Bonds Nos. 2466 to 2470, interest 4 per cent.	5,000 00
City Loan Bonds Nos. 2585 to 2591, interest 4 per cent.	7,000 00
City Loan Bonds Nos. 2716 to 2725, interest 3½ per cent.	10,000 00
City Loan Bonds Nos. 2833 to 2839, interest 3½ per cent.	7,000 00
City Loan Bond No. Reg. 163, interest 3½ per cent.	9,000 00
City Loan Bonds Nos. 3065 to 3073, interest 4 per cent.	9,000 00
City Loan Bonds Nos. 3226 to 3233, interest 4 per cent.	8,000 00
City Loan Bond No. 3234, interest 4 per cent.	500 00
City Loan Bonds Nos. 3444 to 3451, interest 4 per cent.	8,000 00
City Loan Bonds Nos. 3160 to 3161, interest 4 per cent.	2,000 00
Sewer Loan Bond No. Reg. 132, interest 3½ per cent.	1,000 00
Sewer Loan Bond No. Reg. 19, interest 4 per cent.	2,000 00
Sewer Loan Bond No. 439, interest 4 per cent.	1,000 00
Sewer Loan Bond No. 68, interest 4 per cent.	1,000 00
Sewer Loan Bond No. 185, interest 4 per cent.	1,000 00
Sewer Loan Bond No. 209, interest 4 per cent.	1,000 00
Sewer Loan Bond No. 231, interest 3½ per cent.	1,000 00
Sewer Loan Bond No. Reg. 167, interest 3½ per cent.	1,000 00
Sewer Loan Bond No. 284, interest 4 per cent.	1,000 00

Amount carried forward \$135,500 00

Amount brought forward	\$135,500 00
Sewer Loan Bond No. 308, interest 4 per cent.	1,000 00
Sewer Loan Bond No. 361, interest 4 per cent.	1,000 00
Sewer Loan Bond No. 51, interest 4½ per cent.	1,000 00
Sewer Loan Bonds Nos. 123 to 125, interest 4 per cent.	3,000 00
Paving Loan Bonds Nos. 81 to 85, interest 4 per cent.	5,000 00
Water Loan Bond No. 293, interest 4 per cent.	1,000 00
Water Loan Bond No. Reg. 102, interest 4 per cent.	3,000 00
Water Loan Bonds Nos. 423 to 424, interest 4 per cent.	2,000 00
Metropolitan Park Assessment Loan Bond No. Reg. 160, interest 3½ per cent.	1,000 00

Total amount of bonds maturing in 1909 \$153,500 00

Leaving the net funded debt December 31, 1909, as per Table B, \$1,503,000, classified as follows:—

	Registered.	Coupon.
City Loan Bonds at 3½ per cent.	\$103,000 00	\$261,000 00
City Loan Bonds at 4 per cent.	68,000 00	621,000 00
Sewer Loan Bonds at 3½ per cent.	34,000 00	62,000 00
Sewer Loan Bonds at 4 per cent.	63,000 00	158,000 00
Sewer Loan Bonds at 4½ per cent.	1,000 00	1,000 00
Paving Loan Bonds at 4 per cent.		15,000 00
Water Loan Bonds at 4 per cent.	25,000 00	31,000 00
Metropolitan Park Assessment Loan Bonds at 3½ per cent.	3,000 00	17,000 00
Lowell Street Bridge Loan Bonds, interest 3½ per cent.	5,000 00	35,000 00
	<u>\$302,000 00</u>	<u>\$1,201,000 00</u>
Registered Bonds		\$302,000 00
Coupon Bonds		1,201,000 00
		<u>\$1,503,000 00</u>

Funded debt within the limit fixed by law:—

City Loan	\$1,053,000 00	
Sewer Loan	271,000 00	
Lowell Street Bridge Loan	40,000 00	
	<u>1,364,000 00</u>	

Funded debt beyond the limit fixed by law:—

Paving Loan (Chapter 153, Acts 1892)	\$15,000 00	
Sewer Loan (Chapter 357, Acts 1895)	48,000 00	
Metropolitan Park Assessment Loan (Chapter 225, Acts 1902)	20,000 00	
	<u>\$83,000 00</u>	
Water Loan	56,000 00	
	<u>139,000 00</u>	
		<u>\$1,503,000 00</u>

Resources.

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

The total amount of taxable property was \$63,658,953.20,

and the rate of taxation was \$18.60 on each \$1,000 of valuation, as follows:—

Real estate, valuation	\$57,295,600 00
Personal estate, valuation	6,363,353 20
	<hr/>
	\$63,658,953 20
At a rate of \$18.60 on \$1,000 valuation	\$1,184,056 53
Polls, 21,191 at \$2	42,382 00
Street sprinkling	30,677 25
Suppression of gypsy and brown-tail moths	1,649 41
Non-resident bank shares to be paid to state	1,379 13
	<hr/>
Total amount of tax levy	\$1,260,144 32
Borrowed on Funded Debt account, to provide for the cost of public improvements	190,000 00
Water works income	223,094 29
National bank taxes, applied to Police	3,409 29
Corporation taxes, applied to Police	31,775 39
Court fees, fines, etc., applied to Police	2,321 00
County of Middlesex, dog licenses, applied to Public Library	3,796 11
Street Railway tax for the year 1909, applied to Highways Maintenance	45,778 32
Boston Elevated Railway tax for the year 1909, applied to Highways Maintenance	9,236 99
	<hr/>
Total amount of resources	\$1,769,555 71

Appropriations from Funded Debt and from Income.

CREDIT BALANCES.

Electrical Department, Underground Construction	\$928 90
Fire Department, Additional Apparatus	5,059 55
Highways, Construction	5,951 51
Highways Construction, Lowell Street Bridges	31,567 13
Highways, Maintenance	12,341 59
Public Buildings Construction, Building Public Buildings, Public Buildings, Construction:—	415 49
Addition to Contagious Disease Hospital	2,937 60
Benjamin G. Brown School, Land Addition	1,500 00
Sanford Hanscom School, Land Addition	3,500 00
Public Library:—	
Frances A. Wilder Children's Department Fund, Income	4 40
Isaac Pitman Fund, Income, Art	127 27
Isaac Pitman Fund, Income, Poetry	34 26
Sewers, Construction	13,766 01
Sidewalks, Construction	66 69
	<hr/>
	\$78,200 40

Cash.

Balance on hand January 1, 1909	\$55,109 24
Total cash receipts for the year 1909	2,557,538 79
	<hr/>
Total cash disbursements for the year 1909	\$2,612,648 03
	<hr/>
Balance in the treasury December 31, 1909	\$112,839 55

Deposits in banks	\$112,223 06	-
Cash on hand	616 49	
	<u>112,839 55</u>	

Assets and Liabilities.

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

Available assets:—

Commonwealth of Massachusetts	\$17,583 00	
Grade Crossings	9,376 54	
Highway Betterment Assessments, uncollected	3,394 37	
Metered Water Charges	15,664 46	
Real Estate Liens	3,027 52	
Sewer Assessments, uncollected	9,752 78	
Sidewalk Assessments, uncollected	6,565 29	
Taxes, uncollected	283,342 51	
Cash in treasury	112,839 55	
	<u>461,546 02</u>	

Unfunded liabilities:—

Coupons	\$14,937 50	
Overplus on Tax Sales	118 13	
Sundry Persons	699 65	
Temporary Loans	350,000 00	
	<u>365,755 28</u>	
Excess of available assets		\$95,790 74

Balance Sheet.

DEBIT.

Public Property	\$5,360,829 14	
Excess of available assets	95,790 74	
	<u>\$5,456,619 88</u>	

CREDIT.

Excess of appropriations from tax levy	\$10,708 05	
Excess of appropriations from Funded Debt and from Income	78,200 40	
Excess of appropriations from tax levy, Overlay and Abatement	6,882 29	
Present Funded Debt	1,503,000 00	
	<u>\$1,598,790 74</u>	
Property and Debt Balance or Municipal Capital	3,857,829 14	
	<u>\$5,456,619 88</u>	

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, 1909.

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	
	<hr/>	23,120 00
Edgerly Schoolhouse, land (24,000 feet) and building	43,800 00	
Furniture	1,480 00	
Books	2,800 00	
	<hr/>	48,830 00
Amount carried forward		\$749,184 81

Amount brought forward		\$749,184 81
English High Schoolhouse	134,000 00	
Furniture	3,900 00	
Philosophical and manual training apparatus	8,200 00	
Books	12,000 00	
	<hr/>	158,100 00
Forster Schoolhouse and Annex, land (30,632 feet) and buildings	82,000 00	
Furniture	3,290 00	
Books	4,100 00	
	<hr/>	89,390 00
George L. Baxter Schoolhouse, land (11,000 feet) and building	31,800 00	
Furniture	1,155 64	
Books	450 00	
	<hr/>	33,405 64
George O. Proctor Schoolhouse, building (on Armory lot) (40,244 feet).	41,029 16	
Furniture	1,791 30	
Books	1,200 00	
	<hr/>	44,020 46
George W. Durell Schoolhouse, land (13,883 feet) and building	19,000 00	
Furniture	720 00	
Books	500 00	
	<hr/>	20,220 00
Highland Schoolhouse, land (23,260 feet) and building	58,000 00	
Furniture	2,560 00	
Books	2,800 00	
	<hr/>	63,360 00
Jacob T. Glines Schoolhouse, land (28,800 feet) and building	78,200 00	
Furniture	2,340 00	
Books	2,100 00	
	<hr/>	82,640 00
Latin High Schoolhouse	111,822 76	
Furniture	2,700 00	
Philosophical apparatus	500 00	
Books	3,300 00	
	<hr/>	118,322 76
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	2,800 00	
Books	2,800 00	
	<hr/>	56,600 00
Amount carried forward		<hr/> \$1,485,260 30

Amount brought forward		\$1,485,260 30
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
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 (20,093 feet) and building	60,077 42	
Furniture	1,290 16	
Books	700 00	
	<hr/>	62,067 58
Sanford Hanscom Schoolhouse, land (12,756 feet) and building	69,249 48	
Furniture	1,080 00	
Books	500 00	
	<hr/>	70,829 48
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
Amount carried forward		\$2,190,764 76

APPENDIX TO TREASURER AND COLLECTOR'S REPORT. 29

Amount brought forward		\$2,190,764 76
No. 2 Fire Station, land (5,500 feet) and building	10,400 00	
Furniture	400 00	
Hose wagon No 2 and apparatus	1,500 00	
	<hr/>	12,300 00
No. 3 Fire Station, land (13,700 feet) and building	55,743 18	
Furniture	400 00	
Hose wagon No. 3 and apparatus	1,500 00	
Hook and ladder truck and apparatus	3,400 00	
Engine No. 3	5,375 00	
Combination hose and chemical	2,250 00	
	<hr/>	68,668 18
No. 4 Fire Station, land (9,100 feet) and building	15,500 00	
Furniture	400 00	
Engine No. 4 and apparatus	4,000 00	
Combination wagon and apparatus	2,500 00	
	<hr/>	22,400 00
No. 5 Fire Station, land (39,000 feet) and building	16,500 00	
Furniture	400 00	
Hose wagon No. 5 and apparatus	1,500 00	
	<hr/>	18,400 00
No. 6 Fire Station, land (8,113 feet) and building	17,600 00	
Furniture	600 00	
Apparatus	10,265 45	
Combination hose and chemical	2,250 00	
	<hr/>	30,715 45
Hook and Ladder Station No. 2, land (9,903 feet) and building	14,100 00	
Furniture	1,200 00	
Apparatus	7,500 00	
	<hr/>	22,800 00
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	11,256 16	
Land (88,364 feet)	15,600 00	
	<hr/>	26,856 16
Bath House		3,730 24
Water Works		916,852 48
Sewers		1,233,725 19
Prospect street, land (7,918 feet) and building		6,800 00
	<hr/>	\$4,732,954 72
Amount carried forward		

Amount brought forward		\$4,732,954 72
Broadway Park (cost \$212,993.20) (700,000 square feet)		270,000 00
Nathan Tufts Park (about 4 54-100 acres, 217,572 feet)		68,000 00
Lincoln Park, Washington street (288,764 square feet)	63,200 00	
Out-door Gymnasium	800 00	
		<hr/>
		64,000 00
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)		5,500 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
		<hr/>
Total amount of public property		\$5,360,829 14

TABLE B.—FUNDED DEBT DECEMBER 31, 1909.

City Loan Bonds.

DATE.	Number of Bonds.	Rate per cent. of Interest.	When due.	Denomi- nation.	Amount Coupon Bonds.	Amount Reg. Bonds.
April 1, 1905	Reg. 115	3½	Apr. 1, 1910	.....	.....	\$9,000
April 1, 1907	3,530 to 3,540	4	Apr. 1, 1910	\$1,000	\$11,000	.....
April 1, 1908	3,653 to 3,659	4	Apr. 1, 1910	1,000	7,000	.....
April 1, 1909	3,726 to 3,736	3½	Apr. 1, 1910	1,000	11,000	.....
July 1, 1894	1,704 to 1,709	4	July 1, 1910	1,000	6,000	.....
July 1, 1895	1,977 to 1,990	4	July 1, 1910	1,000	14,000	.....
July 1, 1896	2,172 to 2,176	4	July 1, 1910	1,000	5,000	.....
July 1, 1896	Reg. 172	4	July 1, 1910	.....	.....	3,000
July 1, 1897	2,331 to 2,335	4	July 1, 1910	1,000	5,000	.....
July 1, 1898	2,471 to 2,475	4	July 1, 1910	1,000	5,000	.....
July 1, 1899	2,592 to 2,595	4	July 1, 1910	1,000	4,000	.....
July 2, 1900	Reg. 180	3½	July 1, 1910	.....	.....	2,000
July 2, 1900	2,726 to 2,731 2,734 to 2,735	} 3½	July 1, 1910	1,000	8,000	.....
July 1, 1901	2,840 to 2,846		3½	July 1, 1910	1,000	7,000
July 1, 1902	Reg. 179	3½	July 1, 1910	.....	.....	8,000
July 1, 1902	Reg. 164	3½	July 1, 1910	.....	.....	1,000
July 1, 1903	3,074 to 3,082	4	July 1, 1910	1,000	9,000	.....
July 1, 1904	3,235 to 3,239	4	July 1, 1910	1,000	5,000	.....
July 1, 1904	3,240	4	July 1, 1910	500	500	.....
July 1, 1904	3,241 to 3,242	4	July 1, 1910	1,000	2,000	.....
July 1, 1904	3,243	4	July 1, 1910	500	500	.....
July 1, 1906	Reg. 7	4	July 1, 1910	.....	.....	8,000
Oct. 1, 1903	3,162 to 3,163	4	Oct. 1, 1910	1,000	2,000	.....
April 1, 1905	Reg. 116	3½	Apr. 1, 1911	.....	.....	9,000
April 1, 1907	Reg. 17	4	Apr. 1, 1911	.....	.....	6,000
	Amounts	carried	forward..	.....	\$102,000	\$46,000

CITY LOAN BONDS.—Continued.

DATE.	Number of Bonds.	Rate per cent. of Interest.	When due.	Denomination.	Amount Coupon Bonds.	Amount Reg. Bonds.
	Amounts	brought	forward..	.....	\$102,000	\$46,000
April 1, 1907	3,547 to 3,551	4	Apr. 1, 1911	\$1,000	5,000	.....
April 1, 1908	3,660 to 3,666	4	Apr. 1, 1911	1,000	7,000	.....
April 1, 1909	3,737 to 3,747	3½	Apr. 1, 1911	1,000	11,000	.....
July 1, 1894	1,710 to 1,715	4	July 1, 1911	1,000	6,000	.....
July 1, 1895	1,991 to 2,004	4	July 1, 1911	1,000	14,000	.....
July 1, 1896	2,180 to 2,187	4	July 1, 1911	1,000	8,000	.....
July 1, 1897	2,336 to 2,340	4	July 1, 1911	1,000	5,000	.....
July 1, 1898	2,476 to 2,480	4	July 1, 1911	1,000	5,000	.....
July 1, 1899	2,596 to 2,599	4	July 1, 1911	1,000	4,000	.....
July 2, 1900	2,736 to 2,740	3½	July 1, 1911	1,000	5,000	.....
July 1, 1901	2,847 to 2,853	3½	July 1, 1911	1,000	7,000	.....
July 1, 1902	2,974 to 2,975	3½	July 1, 1911	1,000	2,000	.....
July 1, 1902	Reg. 165	3½	July 1, 1911	.....	.....	7,000
July 1, 1903	3,083 to 3,091	4	July 1, 1911	1,000	9,000	.....
July 1, 1904	3,244 to 3,248	4	July 1, 1911	1,000	5,000	.....
July 1, 1904	3,249	4	July 1, 1911	500	500	.....
July 1, 1904	3,250 to 3,251	4	July 1, 1911	1,000	2,000	.....
July 1, 1904	3,252	4	July 1, 1911	500	500	.....
July 1, 1906	3,460 to 3,464	4	July 1, 1911	1,000	5,000	.....
July 1, 1906	Reg. 13	4	July 1, 1911	.....	.....	3,000
Oct. 1, 1903	3,164 to 3,165	4	Oct. 1, 1911	1,000	2,000	.....
April 1, 1905	Reg. 117	3½	Apr. 1, 1912	.....	.....	9,000
April 1, 1907	Reg. 15	4	Apr. 1, 1912	.....	.....	2,000
April 1, 1907	3,554 to 3,555	4	Apr. 1, 1912	1,000	2,000	.....
April 1, 1907	Reg. 182	4	Apr. 1, 1912	.....	.....	2,000
April 1, 1907	3,558 to 3,562	4	Apr. 1, 1912	1,000	5,000	.....
April 1, 1908	3,667 to 3,673	4	Apr. 1, 1912	1,000	7,000	.....
April 1, 1909	3,748 to 3,753	3½	Apr. 1, 1912	1,000	11,000	.....
	Amounts	carried	forward..	.....	\$230,000	\$69,000

CITY LOAN BONDS.—Continued.

DATE.	Number of Bonds.	Rate per cent. of Interest.	When due.	Denomination.	Amount Coupon Bonds.	Amount Reg. Bonds.
	Amounts	brought	forward..	.....	\$230,000	\$69,000
July 1, 1894	1,716 to 1,721	4	July 1, 1912	\$1,000	6,000	.....
July 1, 1895	2,005 to 2,018	4	July 1, 1912	1,000	14,000	.....
July 1, 1896	2,188 to 2,194	4	July 1, 1912	1,000	7,000	.....
July 1, 1897	2,341 to 2,344	4	July 1, 1912	1,000	4,000	.....
July 1, 1898	2,481 to 2,485	4	July 1, 1912	1,000	5,000	.....
July 1, 1899	2,600 to 2,603	4	July 1, 1912	1,000	4,000	.....
July 2, 1900	2,741 to 2,745	3½	July 1, 1912	1,000	5,000	.....
July 1, 1901	2,854 to 2,857	3½	July 1, 1912	1,000	4,000	.....
July 1, 1902	2,979 to 2,980 2,983 to 2,987	3½	July 1, 1912	1,000	7,000	.....
July 1, 1902	Reg. 166	3½	July 1, 1912	.....	.....	2,000
July 1, 1903	3,092 to 3,100	4	July 1, 1912	1,000	9,000	.....
July 1, 1904	3,253 to 3,257	4	July 1, 1912	1,000	5,000	.....
July 1, 1904	3,258	4	July 1, 1912	500	500	.....
July 1, 1904	3,259 to 3,260	4	July 1, 1912	1,000	2,000	.....
July 1, 1904	3,261	4	July 1, 1912	500	500	.....
July 1, 1906	Reg. 8	4	July 1, 1912	.....	.....	7,000
Oct. 1, 1903	3,166 to 3,167	4	Oct. 1, 1912	1,000	2,000	.....
April 1, 1905	Reg. 118	3½	Apr. 1, 1913	.....	.....	9,000
April 1, 1907	Reg. 48	4	Apr. 1, 1913	.....	.....	1,000
April 1, 1907	3,564 to 3,573	4	Apr. 1, 1913	1,000	10,000	.....
April 1, 1908	3,674 to 3,680	4	Apr. 1, 1913	1,000	7,000	.....
April 1, 1909	3,759 to 3,769	3½	Apr. 1, 1913	1,000	11,000	.....
July 1, 1894	1,722 to 1,727	4	July 1, 1913	1,000	6,000	.....
July 1, 1895	2,019 to 2,031	4	July 1, 1913	1,000	13,000	.....
July 1, 1896	2,195 to 2,201	4	July 1, 1913	1,000	7,000	.....
July 1, 1897	2,345 to 2,348	4	July 1, 1913	1,000	4,000	.....
July 1, 1898	2,486 to 2,490	4	July 1, 1913	1,000	5,000	.....
July 1, 1899	2,604 to 2,607	4	July 1, 1913	1,000	4,000	.....
July 2, 1900	2,746 to 2,749	3½	July 1, 1913	1,000	4,000	.....
	Amounts	carried	forward..	.....	\$376,000	\$38,000

CITY LOAN BONDS.—Continued.

DATE.	Number of Bonds.	Rate per cent. of Interest.	When due.	Denomination.	Amount Coupon Bonds.	Amount Reg. Bonds.
	Amounts	brought	forward..	.....	\$376,000	\$88,000
July 1, 1901	2,858 to 2,861	3½	July 1, 1913	\$1,000	4,000	.....
July 1, 1902	2,938 to 2,990	3½	July 1, 1913	1,000	3,000	.....
July 1, 1903	3,101 to 3,109	4	July 1, 1913	1,000	9,000	.....
July 1, 1904	3,262 to 3,266	4	July 1, 1913	1,000	5,000	.....
July 1, 1904	3,267	4	July 1, 1913	500	500	.....
July 1, 1904	3,268 to 3,269	4	July 1, 1913	1,000	2,000	.....
July 1, 1904	3,270	4	July 1, 1913	500	500	.....
July 1, 1906	Reg. 9	4	July 1, 1913	.....	.....	7,000
Oct. 1, 1903	3,168 to 3,169	4	Oct. 1, 1913	1,000	2,000	.....
April 1, 1905	Reg. 119	3½	Apr. 1, 1914	.....	.....	8,000
April 1, 1907	3,574 to 3,584	4	Apr. 1, 1914	1,000	11,000	.....
April 1, 1908	3,681 to 3,687	4	Apr. 1, 1914	1,000	7,000	.....
April 1, 1909	3,770 to 3,780	3½	Apr. 1, 1914	1,000	11,000	.....
July 1, 1894	1,728 to 1,732	4	July 1, 1914	1,000	5,000	.....
July 1, 1894	Reg. 178	4	July 1, 1914	.....	.....	1,000
July 1, 1895	2,032 to 2,044	4	July 1, 1914	1,000	13,000	.....
July 1, 1896	2,202 to 2,206	4	July 1, 1914	1,000	5,000	.....
July 1, 1896	Reg. 173	4	July 1, 1914	.....	.....	2,000
July 1, 1897	2,349 to 2,352	4	July 1, 1914	1,000	4,000	.....
July 1, 1898	2,491 to 2,495	4	July 1, 1914	1,000	5,000	.....
July 1, 1899	2,608 to 2,611	4	July 1, 1914	1,000	4,000	.....
July 2, 1900	2,750 to 2,753	3½	July 1, 1914	1,000	4,000	.....
July 1, 1901	2,862 to 2,865	3½	July 1, 1914	1,000	4,000	.....
July 1, 1902	2,991 to 2,993	3½	July 1, 1914	1,000	3,000	.....
July 1, 1903	3,110 to 3,113	4	July 1, 1914	1,000	4,000	.....
July 1, 1904	3,271 to 3,275	4	July 1, 1914	1,000	5,000	.....
July 1, 1904	3,276	4	July 1, 1914	500	500	.....
July 1, 1904	3,277 to 3,278	4	July 1, 1914	1,000	2,000	.....
July 1, 1904	3,279	4	July 1, 1914	500	500	.....
July 1, 1906	Reg. 10	4	July 1, 1914	.....	.....	7,000
Oct. 1, 1903	3,170 to 3,171	4	Oct. 1, 1914	1,000	2,000	.....
	Amounts	carried	forward..	.....	\$492,000	\$113,000

CITY LOAN BONDS.—Continued.

DATE.	Number of Bonds.	Rate per cent. of Interest.	When due.	Denomination.	Amount Coupon Bonds.	Amount Reg. Bonds.
	Amounts	brought	forward..	.....	\$492,000	\$113,000
April 1, 1905	Reg. 120	3½	Apr. 1, 1915	.....	.....	8,000
April 1, 1907	3,585 to 3,589	4	Apr. 1, 1915	\$1,000	5,000	.....
April 1, 1907	Reg. 183	4	Apr. 1, 1915	.....	.....	1,000
April 1, 1907	3,591 to 3,595	4	Apr. 1, 1915	1,000	5,000	.....
April 1, 1908	3,688 to 3,694	4	Apr. 1, 1915	1,000	7,000	.....
April 1, 1909	3,781 to 3,791	3½	Apr. 1, 1915	1,000	11,000	.....
July 1, 1895	2,045 to 2,057	4	July 1, 1915	1,000	13,000	.....
July 1, 1896	2,209 to 2,215	4	July 1, 1915	1,000	7,000	.....
July 1, 1897	2,353 to 2,356	4	July 1, 1915	1,000	4,000	.....
July 1, 1898	2,496 to 2,500	4	July 1, 1915	1,000	5,000	.....
July 1, 1899	2,612 to 2,614	4	July 1, 1915	1,000	3,000	.....
July 2, 1900	2,754 to 2,757	3½	July 1, 1915	1,000	4,000	.....
July 1, 1901	2,866 to 2,869	3½	July 1, 1915	1,000	4,000	.....
July 1, 1902	2,994 to 2,996	3½	July 1, 1915	1,000	3,000	.....
July 1, 1903	Reg. 175	4	July 1, 1915	.....	.....	4,000
July 1, 1904	3,280 to 3,281	4	July 1, 1915	1,000	2,000	.....
July 1, 1904	3,282	4	July 1, 1915	500	500	.....
July 1, 1906	Reg. 11	4	July 1, 1915	.....	.....	7,000
Oct. 1, 1903	3,172 to 3,173	4	Oct. 1, 1915	1,000	2,000	.....
April 1, 1905	Reg. 121	3½	Apr. 1, 1916	.....	.....	3,000
April 1, 1907	3,596 to 3,606	4	Apr. 1, 1916	1,000	11,000	.....
April 1, 1908	3,695 to 3,701	4	Apr. 1, 1916	1,000	7,000	.....
April 1, 1909	3,792 to 3,802	3½	Apr. 1, 1916	1,000	11,000	.....
July 1, 1896	2,216 to 2,222	4	July 1, 1916	1,000	7,000	.....
July 1, 1897	2,357 to 2,360	4	July 1, 1916	1,000	4,000	.....
July 1, 1898	2,501 to 2,505	4	July 1, 1916	1,000	5,000	.....
July 1, 1899	2,615 to 2,617	4	July 1, 1916	1,000	3,000	.....
July 2, 1900	2,758 to 2,760	3½	July 1, 1916	1,000	3,000	.....
July 2, 1900	Reg. 184	3½	July 1, 1916	.....	.....	1,000
July 1, 1901	2,870 to 2,873	3½	July 1, 1916	1,000	4,000	.....
July 1, 1902	2,997 to 2,999	3½	July 1, 1916	1,000	3,000	.....
	Amounts	carried	forward..	.....	\$625,500	\$137,000

CITY LOAN BONDS.—Continued.

DATE.	Number of Bonds.	Rate per cent. of Interest.	When due.	Denomination.	Amount Coupon Bonds.	Amount Reg. Bonds.
	Amounts	brought	forward..	.....	\$625,500	\$137,000
July 1, 1903	3,118 to 3,121	4	July 1, 1916	\$1,000	4,000	.....
July 1, 1904	3,283 to 3,284	4	July 1, 1916	1,000	2,000	.....
July 1, 1904	3,285	4	July 1, 1916	500	500	.....
July 1, 1906	Reg. 12	4	July 1, 1916	.....	.....	7,000
Oct. 1, 1903	3,174 to 3,175	4	Oct. 1, 1916	1,000	2,000	.....
April 1, 1905	Reg. 122	3½	Apr. 1, 1917	.....	.....	3,000
April 1, 1907	3,607 to 3,617	4	Apr. 1, 1917	1,000	11,000	.....
April 1, 1908	3,702 to 3,708	4	Apr. 1, 1917	1,000	7,000	.....
April 1, 1909	3,803 to 3,813	3½	Apr. 1, 1917	1,000	11,000	.....
July 1, 1897	2,361 to 2,364	4	July 1, 1917	1,000	4,000	.....
July 1, 1898	2,506 to 2,510	4	July 1, 1917	1,000	5,000	.....
July 1, 1899	2,618 to 2,620	4	July 1, 1917	1,000	3,000	.....
July 2, 1900	2,762 to 2,765	3½	July 1, 1917	1,000	4,000	.....
July 1, 1901	2,874 to 2,877	3½	July 1, 1917	1,000	4,000	.....
July 1, 1902	3,000 to 3,002	3½	July 1, 1917	1,000	3,000	.....
July 1, 1903	3,122 to 3,125	4	July 1, 1917	1,000	4,000	.....
July 1, 1904	3,286 to 3,287	4	July 1, 1917	1,000	2,000	.....
July 1, 1904	3,288	4	July 1, 1917	500	500	.....
July 1, 1906	3,503	4	July 1, 1917	1,000	1,000	.....
Oct. 1, 1903	3,176 to 3,177	4	Oct. 1, 1917	1,000	2,000	.....
April 1, 1905	Reg. 123	3½	Apr. 1, 1918	.....	.....	3,000
April 1, 1907	3,618 to 3,620	4	Apr. 1, 1918	1,000	3,000	.....
April 1, 1908	3,709 to 3,715	4	Apr. 1, 1918	1,000	7,000	.....
April 1, 1909	3,814 to 3,824	3½	Apr. 1, 1918	1,000	11,000	.....
July 1, 1898	2,511 to 2,515	4	July 1, 1918	1,000	5,000	.....
July 1, 1899	2,621 to 2,623	4	July 1, 1918	1,000	3,000	.....
July 2, 1900	2,766 to 2,769	3½	July 1, 1918	1,000	4,000	.....
July 1, 1901	2,878 to 2,881	3½	July 1, 1918	1,000	4,000	.....
July 1, 1902	3,003 to 3,005	3½	July 1, 1918	1,000	3,000	.....
July 1, 1903	3,126 to 3,129	4	July 1, 1918	1,000	4,000	.....
July 1, 1904	3,289 to 3,290	4	July 1, 1918	1,000	2,000	.....
	Amounts	carried	forward..	.....	\$741,500	\$150,000

CITY LOAN BONDS.—Continued.

DATE.	Number of Bonds.	Rate per cent. of Interest.	When due.	Denomination.	Amount Coupon Bonds.	Amount Reg. Bonds.
	Amounts	brought	forward..	.....	\$741,500	\$150,000
July 1, 1904	3,291	4	July 1, 1918	\$500	500	.....
July 1, 1906	3,504	4	July 1, 1918	1,000	1,000	.....
Oct. 1, 1903	3,178 to 3,179	4	Oct. 1, 1918	1,000	2,000	.....
April 1, 1905	Reg. 124	3½	Apr. 1, 1919	.....	.....	3,000
April 1, 1907	3,621 to 3,623	4	Apr. 1, 1919	1,000	3,000	.....
April 1, 1908	3,716	4	Apr. 1, 1919	1,000	1,000	.....
April 1, 1909	3,825 to 3,835	3½	Apr. 1, 1919	1,000	11,000	.....
July 1, 1899	2,624 to 2,625	4	July 1, 1919	1,000	2,000	.....
July 2, 1900	2,770 to 2,773	3½	July 1, 1919	1,000	4,000	.....
July 1, 1901	2,882 to 2,885	3½	July 1, 1919	1,000	4,000	.....
July 1, 1902	3,006 to 3,008	3½	July 1, 1919	1,000	3,000	.....
July 1, 1903	3,130 to 3,133	4	July 1, 1919	1,000	4,000	.....
July 1, 1904	3,292 to 3,293	4	July 1, 1919	1,000	2,000	.....
July 1, 1904	3,294	4	July 1, 1919	500	500	.....
July 1, 1906	3,505	4	July 1, 1919	1,000	1,000	.....
Oct. 1, 1903	3,180 to 3,181	4	Oct. 1, 1919	1,000	2,000	.....
April 1, 1905	Reg. 125	3½	Apr. 1, 1920	.....	.....	3,000
April 1, 1907	3,624 to 3,626	4	Apr. 1, 1920	1,000	3,000	.....
April 1, 1908	3,717	4	Apr. 1, 1920	1,000	1,000	.....
April 1, 1909	3,836	3½	Apr. 1, 1920	1,000	1,000	.....
July 2, 1900	2,774 to 2,777	3½	July 1, 1920	1,000	4,000	.....
July 1, 1901	2,886 to 2,889	3½	July 1, 1920	1,000	4,000	.....
July 1, 1902	3,009 to 3,011	3½	July 1, 1920	1,000	3,000	.....
July 1, 1903	3,134 to 3,137	4	July 1, 1920	1,000	4,000	.....
July 1, 1904	3,295 to 3,296	4	July 1, 1920	1,000	2,000	.....
July 1, 1904	3,297	4	July 1, 1920	500	500	.....
July 1, 1906	3,506	4	July 1, 1920	1,000	1,000	.....
Oct. 1, 1903	3,182 to 3,183	4	Oct. 1, 1920	1,000	2,000	.....
April 1, 1905	Reg. 126	3½	Apr. 1, 1921	.....	.....	3,000
	Amounts	carried	forward..	.....	\$808,000	\$159,000

CITY LOAN BONDS.—Continued.

DATE.	Number of Bonds.	Rate per cent. of Interest.	When due.	Denomination.	Amount Coupon Bonds.	Amount Reg. Bonds.
	Amounts	brought	forward..	.....	\$308,000	\$159,000
April 1, 1907	3,627 to 3,629	4	Apr. 1, 1921	\$1,000	3,000	.....
April 1, 1908	3,718	4	Apr. 1, 1921	1,000	1,000	.....
April 1, 1909	3,837	3½	Apr. 1, 1921	1,000	1,000	.....
July 1, 1901	2,890 to 2,893	3½	July 1, 1921	1,000	4,000	.....
July 1, 1902	3,012 to 3,014	3½	July 1, 1921	1,000	3,000	.....
July 1, 1903	3,133 to 3,141	4	July 1, 1921	1,000	4,000	.....
July 1, 1904	3,293 to 3,299	4	July 1, 1921	1,000	2,000	.....
July 1, 1904	3,300	4	July 1, 1921	500	500	.....
July 1, 1906	3,507	4	July 1, 1921	1,000	1,000	.....
Oct. 1, 1903	3,184 to 3,185	4	Oct. 1, 1921	1,000	2,000	.....
April 1, 1905	Reg. 127	3½	Apr. 1, 1922	.....	.....	3,000
April 1, 1907	3,630 to 3,632	4	Apr. 1, 1922	1,000	3,000	.....
April 1, 1903	3,719	4	Apr. 1, 1922	1,000	1,000	.....
April 1, 1909	3,838	3½	Apr. 1, 1922	1,000	1,000	.....
July 1, 1902	3,015 to 3,016	3½	July 1, 1922	1,000	2,000	.....
July 1, 1903	3,142 to 3,145	4	July 1, 1922	1,000	4,000	.....
July 1, 1904	3,301 to 3,302	4	July 1, 1922	1,000	2,000	.....
July 1, 1904	3,303	4	July 1, 1922	500	500	.....
Oct. 1, 1903	3,186 to 3,187	4	Oct. 1, 1922	1,000	2,000	.....
April 1, 1905	Reg. 128	3½	Apr. 1, 1923	.....	.....	3,000
April 1, 1907	3,633 to 3,635	4	Apr. 1, 1923	1,000	3,000	.....
April 1, 1908	3,720	4	Apr. 1, 1923	1,000	1,000	.....
April 1, 1909	3,839	3½	Apr. 1, 1923	1,000	1,000	.....
July 1, 1903	3,146 to 3,149	4	July 1, 1923	1,000	4,000	.....
July 1, 1904	3,304 to 3,305	4	July 1, 1923	1,000	2,000	.....
July 1, 1904	3,306	4	July 1, 1923	500	500	.....
Oct. 1, 1903	3,188 to 3,189	4	Oct. 1, 1923	1,000	2,000	.....
April 1, 1905	Reg. 129	3½	Apr. 1, 1924	.....	.....	3,000
April 1, 1907	3,636 to 3,638	4	Apr. 1, 1924	1,000	3,000	.....
	Amounts	carried	forward..	.....	\$861,500	\$163,000

CITY LOAN BONDS.—Concluded.

DATE.	Number of Bonds.	Rate per cent. of Interest.	When due.	Denomination.	Amount Coupon Bonds.	Amount Reg. Bonds.
	Amounts	brought	forward..		\$361,500	\$168,000
April 1, 1908	3,721	4	Apr. 1, 1924	\$1,000	1,000	.....
April 1, 1909	3,840	3½	Apr. 1, 1924	1,000	1,000	.....
July 1, 1904	3,307 to 3,308	4	July 1, 1924	1,000	2,000	.....
July 1, 1904	3,309	4	July 1, 1924	500	500	.....
April 1, 1905	Reg. 130	3½	Apr. 1, 1925	.....	.....	3,000
April 1, 1907	3,639 to 3,641	4	Apr. 1, 1925	1,000	3,000	.....
April 1, 1908	3,722	4	Apr. 1, 1925	1,000	1,000	.....
April 1, 1909	3,841	3½	Apr. 1, 1925	1,000	1,000	.....
April 1, 1907	3,642 to 3,643	4	Apr. 1, 1926	1,000	2,000	.....
April 1, 1908	3,723	4	Apr. 1, 1926	1,000	1,000	.....
April 1, 1909	3,842	3½	Apr. 1, 1926	1,000	1,000	.....
April 1, 1907	3,644 to 3,645	4	Apr. 1, 1927	1,000	2,000	.....
April 1, 1908	3,724	4	Apr. 1, 1927	1,000	1,000	.....
April 1, 1909	3,843	3½	Apr. 1, 1927	1,000	1,000	.....
April 1, 1908	3,725	4	Apr. 1, 1928	1,000	1,000	.....
April 1, 1909	3,844	3½	Apr. 1, 1928	1,000	1,000	.....
April 1, 1909	3,845	3½	Apr. 1, 1929	1,000	1,000	.....
					<u>\$882,000</u>	<u>\$171,000</u>

Coupon Bonds . . \$882,000
Registered Bonds . 171,000

Total amount of City Loan Bonds \$1,053,000

Sewer Loan Bonds.

DATE.	Number of Bonds.	Rate per cent. of Interest.	When due.	Denomi- nation.	Amount Coupon Bonds.	Amount Reg. Bonds.
April 1, 1905	Reg. 133	3½	Apr. 1, 1910	.....	.....	\$1,000
April 1, 1907	Reg. 20	4	Apr. 1, 1910	.....	.....	2,000
April 1, 1908	440	4	Apr. 1, 1910	\$1,000	\$1,000	.....
April 1, 1909	469	3½	Apr. 1, 1910	1,000	1,000	.....
July 1, 1894	69	4	July 1, 1910	1,000	1,000	.....
July 1, 1897	186	4	July 1, 1910	1,000	1,000	.....
July 1, 1898	210	4	July 1, 1910	1,000	1,000	.....
July 1, 1901	232	3½	July 1, 1910	1,000	1,000	.....
July 1, 1902	Reg. 163	3½	July 1, 1910	.....	.....	1,000
July 1, 1903	285	4	July 1, 1910	1,000	1,000	.....
July 1, 1904	309	4	July 1, 1910	1,000	1,000	.....
July 1, 1906	Reg. 1	4	July 1, 1910	.....	.....	1,000
Oct. 1, 1893	Reg. 159	4½	Oct. 1, 1910	.....	.....	1,000
April 1, 1905	Reg. 134	3½	Apr. 1, 1911	.....	.....	1,000
April 1, 1907	Reg. 21	4	Apr. 1, 1911	.....	.....	2,000
April 1, 1903	441	4	Apr. 1, 1911	1,000	1,000	.....
April 1, 1909	470	3½	Apr. 1, 1911	1,000	1,000	.....
July 1, 1894	70	4	July 1, 1911	1,000	1,000	.....
July 1, 1897	187	4	July 1, 1911	1,000	1,000	.....
July 1, 1898	211	4	July 1, 1911	1,000	1,000	.....
July 1, 1901	233	3½	July 1, 1911	1,000	1,000	.....
July 1, 1902	Reg. 169	3½	July 1, 1911	.....	.....	1,000
July 1, 1903	286	4	July 1, 1911	1,000	1,000	.....
July 1, 1904	310	4	July 1, 1911	1,000	1,000	.....
July 1, 1906	363	4	July 1, 1911	1,000	1,000	.....
Oct. 1, 1893	53	4½	Oct. 1, 1911	1,000	1,000	.....
April 1, 1905	Reg. 135	3½	Apr. 1, 1912	.....	.....	1,000
April 1, 1907	Reg. 22	4	Apr. 1, 1912	.....	.....	2,000
April 1, 1908	442	4	Apr. 1, 1912	1,000	1,000	.....
April 1, 1909	471	3½	Apr. 1, 1912	1,000	1,000	.....
	Amounts	carried	forward..	.....	\$20,000	\$13,000

SEWER LOAN BONDS.—Continued.

DATE.	Number of Bonds.	Rate per cent. of Interest.	When due.	Denomination.	Amount Coupon Bonds.	Amount Reg. Bonds.
	Amounts	brought	forward..	.....	\$20,000	\$13,000
July 1, 1894	188	4	July 1, 1912	\$1,000	1,000	.....
July 1, 1897	71	4	July 1, 1912	1,000	1,000	.....
July 1, 1898	212	4	July 1, 1912	1,000	1,000	.....
July 1, 1901	234	3½	July 1, 1912	1,000	1,000	.....
July 1, 1902	Reg. 170	3½	July 1, 1912	.....	.....	1,000
July 1, 1903	287	4	July 1, 1912	1,000	1,000	.....
July 1, 1904	311	4	July 1, 1912	1,000	1,000	.....
July 1, 1906	Reg. 2	4	July 1, 1912	.....	.....	1,000
April 1, 1905	Reg. 136	3½	Apr. 1, 1913	.....	.....	1,000
April 1, 1907	Reg. 23	4	Apr. 1, 1913	.....	.....	2,000
April 1, 1903	443	4	Apr. 1, 1913	1,000	1,000	.....
April 1, 1909	472	3½	Apr. 1, 1913	1,000	1,000	.....
July 1, 1894	72	4	July 1, 1913	1,000	1,000	.....
July 1, 1897	189	4	July 1, 1913	1,000	1,000	.....
July 1, 1898	213	4	July 1, 1913	1,000	1,000	.....
July 1, 1901	235	3½	July 1, 1913	1,000	1,000	.....
July 1, 1902	264	3½	July 1, 1913	1,000	1,000	.....
July 1, 1903	288	4	July 1, 1913	1,000	1,000	.....
July 1, 1904	312	4	July 1, 1913	1,000	1,000	.....
July 1, 1906	Reg. 3	4	July 1, 1913	.....	.....	1,000
April 1, 1905	Reg. 137	3½	Apr. 1, 1914	.....	.....	1,000
April 1, 1907	Reg. 24	4	Apr. 1, 1914	.....	.....	2,000
April 1, 1908	444	4	Apr. 1, 1914	1,000	1,000	.....
April 1, 1909	473	3½	Apr. 1, 1914	1,000	1,000	.....
July 1, 1894	73	4	July 1, 1914	1,000	1,000	.....
July 1, 1897	190	4	July 1, 1914	1,000	1,000	.....
July 1, 1898	214	4	July 1, 1914	1,000	1,000	.....
July 1, 1901	236	3½	July 1, 1914	1,000	1,000	.....
July 1, 1902	265	3½	July 1, 1914	1,000	1,000	.....
July 1, 1903	289	4	July 1, 1914	1,000	1,000	.....
	Amounts	carried	forward..	.....	\$43,000	\$22,000

SEWER LOAN BONDS.—Continued.

DATE.	Number of Bonds.	Rate per cent. of Interest.	When due.	Denomination.	Amount Coupon Bonds.	Amount Reg. Bonds.
	Amounts	brought	forward..	.....	\$43,000	\$22,000
July 1, 1904	313	4	July 1, 1914	\$1,000	1,000	.....
July 1, 1906	Reg. 4	4	July 1, 1914	.....	.....	1,000
April 1, 1905	Reg. 138	3½	Apr. 1, 1915	.....	.....	1,000
April 1, 1907	Reg. 25	4	Apr. 1, 1915	.....	.....	2,000
April 1, 1908	445	4	Apr. 1, 1915	1,000	1,000	.....
April 1, 1909	474	3½	Apr. 1, 1915	1,000	1,000	.....
July 1, 1897	191	4	July 1, 1915	1,000	1,000	.....
July 1, 1898	215	4	July 1, 1915	1,000	1,000	.....
July 1, 1901	237	3½	July 1, 1915	1,000	1,000	.....
July 1, 1902	266	3½	July 1, 1915	1,000	1,000	.....
July 1, 1903	Reg. 174	4	July 1, 1915	.....	.....	1,000
July 1, 1904	314	4	July 1, 1915	1,000	1,000	.....
July 1, 1906	Reg. 5	4	July 1, 1915	.....	.....	1,000
April 1, 1905	Reg. 139	3½	Apr. 1, 1916	.....	.....	1,000
April 1, 1907	Reg. 26	4	Apr. 1, 1916	.....	.....	2,000
April 1, 1908	446	4	Apr. 1, 1916	1,000	1,000	.....
April 1, 1909	475	3½	Apr. 1, 1916	1,000	1,000	.....
July 1, 1897	192	4	July 1, 1916	1,000	1,000	.....
July 1, 1898	216	4	July 1, 1916	1,000	1,000	.....
July 1, 1901	238	3½	July 1, 1916	1,000	1,000	.....
July 1, 1902	267	3½	July 1, 1916	1,000	1,000	.....
July 1, 1903	291	4	July 1, 1916	1,000	1,000	.....
July 1, 1904	315	4	July 1, 1916	1,000	1,000	.....
July 1, 1906	Reg. 6	4	July 1, 1916	.....	.....	1,000
April 1, 1905	Reg. 140	3½	Apr. 1, 1917	.....	.....	1,000
April 1, 1907	Reg. 27	4	Apr. 1, 1917	.....	.....	2,000
April 1, 1908	447	4	Apr. 1, 1917	1,000	1,000	.....
April 1, 1909	476	3½	Apr. 1, 1917	1,000	1,000	.....
July 1, 1897	193	4	July 1, 1917	1,000	1,000	.....
	Amounts	carried	forward..	.....	\$62,000	\$35,000

SEWER LOAN BONDS.—Continued.

DATE.	Number of Bonds.	Rate per cent. of Interest.	When due.	Denomination.	Amount Coupon Bonds.	Amount Reg. Bonds.
	Amounts	brought	forward..	.....	\$62,000	\$35,000
July 1, 1898	217	4	July 1, 1917	\$1,000	1,000	.....
July 1, 1901	239	3½	July 1, 1917	1,000	1,000	.....
July 1, 1902	268	3½	July 1, 1917	1,000	1,000	.....
July 1, 1903	292	4	July 1, 1917	1,000	1,000	.....
July 1, 1904	316	4	July 1, 1917	1,000	1,000	.....
July 1, 1906	369	4	July 1, 1917	1,000	1,000	.....
April 1, 1905	Reg. 141	3½	Apr. 1, 1918	.....	.....	1,000
April 1, 1907	Reg. 28	4	Apr. 1, 1918	.....	.....	2,000
April 1, 1908	448	4	Apr. 1, 1918	1,000	1,000	.....
April 1, 1909	477	3½	Apr. 1, 1918	1,000	1,000	.....
July 1, 1897	194	4	July 1, 1918	1,000	1,000	.....
July 1, 1898	218	4	July 1, 1918	1,000	1,000	.....
July 1, 1901	240	3½	July 1, 1918	1,000	1,000	.....
July 1, 1902	269	3½	July 1, 1918	1,000	1,000	.....
July 1, 1903	293	4	July 1, 1918	1,000	1,000	.....
July 1, 1904	317	4	July 1, 1918	1,000	1,000	.....
July 1, 1906	370	4	July 1, 1918	1,000	1,000	.....
April 1, 1905	Reg. 142	3½	Apr. 1, 1919	.....	.....	1,000
April 1, 1907	Reg. 29	4	Apr. 1, 1919	.....	.....	2,000
April 1, 1908	449	4	Apr. 1, 1919	1,000	1,000	.....
April 1, 1909	478	3½	Apr. 1, 1919	1,000	1,000	.....
July 1, 1897	195	4	July 1, 1919	1,000	1,000	.....
July 1, 1898	219	4	July 1, 1919	1,000	1,000	.....
July 1, 1901	241	3½	July 1, 1919	1,000	1,000	.....
July 1, 1902	270	3½	July 1, 1919	1,000	1,000	.....
July 1, 1903	294	4	July 1, 1919	1,000	1,000	.....
July 1, 1904	318	4	July 1, 1919	1,000	1,000	.....
July 1, 1906	371	4	July 1, 1919	1,000	1,000	.....
April 1, 1905	Reg. 143	3½	Apr. 1, 1920	.....	.....	1,000
	Amounts	carried	forward..	.....	\$36,000	\$42,000

SEWER LOAN BONDS.—Continued.

DATE.	Number of Bonds.	Rate per cent. of Interest.	When due.	Denomination.	Amount Coupon Bonds.	Amount Reg. Bonds.
	Amounts	brought	forward..	.....	\$86,000	\$42,000
April 1, 1907	Reg. 30	4	Apr. 1, 1920	.....	.....	2,000
April 1, 1908	450	4	Apr. 1, 1920	\$1,000	1,000	.....
April 1, 1909	479	3½	Apr. 1, 1920	1,000	1,000	.....
July 1, 1897	196	4	July 1, 1920	1,000	1,000	.....
July 1, 1898	220	4	July 1, 1920	1,000	1,000	.....
July 1, 1901	242	3½	July 1, 1920	1,000	1,000	.....
July 1, 1902	271	3½	July 1, 1920	1,000	1,000	.....
July 1, 1903	295	4	July 1, 1920	1,000	1,000	.....
July 1, 1904	319	4	July 1, 1920	1,000	1,000	.....
July 1, 1906	372	4	July 1, 1920	1,000	1,000	.....
April 1, 1905	Reg. 144	3½	Apr. 1, 1921	.....	.....	1,000
April 1, 1907	Reg. 31	4	Apr. 1, 1921	.....	.....	2,000
April 1, 1908	451	4	Apr. 1, 1921	1,000	1,000	.....
April 1, 1909	480	3½	Apr. 1, 1921	1,000	1,000	.....
July 1, 1897	197	4	July 1, 1921	1,000	1,000	.....
July 1, 1898	221	4	July 1, 1921	1,000	1,000	.....
July 1, 1901	243	3½	July 1, 1921	1,000	1,000	.....
July 1, 1902	272	3½	July 1, 1921	1,000	1,000	.....
July 1, 1903	296	4	July 1, 1921	1,000	1,000	.....
July 1, 1904	320	4	July 1, 1921	1,000	1,000	.....
July 1, 1906	373	4	July 1, 1921	1,000	1,000	.....
April 1, 1905	Reg. 145	3½	Apr. 1, 1922	.....	.....	1,000
April 1, 1907	Reg. 32	4	Apr. 1, 1922	.....	.....	2,000
April 1, 1908	452	4	Apr. 1, 1922	1,000	1,000	.....
April 1, 1909	481	3½	Apr. 1, 1922	1,000	1,000	.....
July 1, 1897	198	4	July 1, 1922	1,000	1,000	.....
July 1, 1898	222	4	July 1, 1922	1,000	1,000	.....
July 1, 1901	244	3½	July 1, 1922	1,000	1,000	.....
July 1, 1902	273	3½	July 1, 1922	1,000	1,000	.....
	Amounts	carried	forward..	.....	\$110,000	\$50,000

SEWER LOAN BONDS.—Continued.

DATE.	Number of Bonds.	Rate per cent. of Interest.	When due.	Denomination.	Amount Coupon Bonds.	Amount Reg. Bonds.
	Amounts	brought	forward..	.....	\$110,000	\$50,000
July 1, 1903	297	4	July 1, 1922	\$1,000	1,000	.....
July 1, 1904	321	4	July 1, 1922	1,000	1,000	.....
July 1, 1906	374	4	July 1, 1922	1,000	1,000	.....
April 1, 1905	Reg. 146	3½	Apr. 1, 1923	.....	.....	1,000
April 1, 1907	Reg. 33	4	Apr. 1, 1923	.....	.....	2,000
April 1, 1908	453	4	Apr. 1, 1923	1,000	1,000	.....
April 1, 1909	482	3½	Apr. 1, 1923	1,000	1,000	.....
July 1, 1898	223	4	July 1, 1923	1,000	1,000	.....
July 1, 1901	245	3½	July 1, 1923	1,000	1,000	.....
July 1, 1902	274	3½	July 1, 1923	1,000	1,000	.....
July 1, 1903	298	4	July 1, 1923	1,000	1,000	.....
July 1, 1904	322	4	July 1, 1923	1,000	1,000	.....
July 1, 1906	375	4	July 1, 1923	1,000	1,000	.....
April 1, 1905	Reg. 147	3½	Apr. 1, 1924	.....	.....	1,000
April 1, 1907	Reg. 34	4	Apr. 1, 1924	.....	.....	2,000
April 1, 1908	454	4	Apr. 1, 1924	1,000	1,000	.....
April 1, 1909	483	3½	Apr. 1, 1924	1,000	1,000	.....
July 1, 1901	246	3½	July 1, 1924	1,000	1,000	.....
July 1, 1902	275	3½	July 1, 1924	1,000	1,000	.....
July 1, 1903	299	4	July 1, 1924	1,000	1,000	.....
July 1, 1904	323	4	July 1, 1924	1,000	1,000	.....
July 1, 1906	376	4	July 1, 1924	1,000	1,000	.....
April 1, 1905	Reg. 148	3½	Apr. 1, 1925	.....	.....	1,000
April 1, 1907	Reg. 35	4	Apr. 1, 1925	.....	.....	2,000
April 1, 1908	455	4	Apr. 1, 1925	1,000	1,000	.....
April 1, 1909	484	3½	Apr. 1, 1925	1,000	1,000	.....
July 1, 1901	247	3½	July 1, 1925	1,000	1,000	.....
July 1, 1902	276	3½	July 1, 1925	1,000	1,000	.....
July 1, 1903	300	4	July 1, 1925	1,000	1,000	.....
	Amounts	carried	forward..	.....	\$133,000	\$59,000

SEWER LOAN BONDS.—Continued.

DATE.	Number of Bonds.	Rate per cent. of Interest.	When due.	Denomination.	Amount Conpon Bonds.	Amount Reg. Bonds.
	Amounts	brought	forward..	.....	\$133,000	\$59,000
July 1, 1904	324	4	July 1, 1925	\$1,000	1,000	.....
July 1, 1906	377	4	July 1, 1925	1,000	1,000	.....
April 1, 1905	Reg. 149	3½	Apr. 1, 1926	.....	.....	1,000
April 1, 1909	Reg. 36	4	Apr. 1, 1926	.....	.....	2,000
April 1, 1908	456	4	Apr. 1, 1926	1,000	1,000	.....
April 1, 1909	485	3½	Apr. 1, 1926	1,000	1,000	.....
July 1, 1901	248	3½	July 1, 1926	1,000	1,000	.....
July 1, 1902	277	3½	July 1, 1926	1,000	1,000	.....
July 1, 1903	301	4	July 1, 1926	1,000	1,000	.....
July 1, 1904	325	4	July 1, 1926	1,000	1,000	.....
July 1, 1906	378	4	July 1, 1926	1,000	1,000	.....
April 1, 1905	Reg. 150	3½	Apr. 1, 1927	.....	.....	1,000
April 1, 1907	Reg. 37	4	Apr. 1, 1927	.....	.....	2,000
April 1, 1908	457	4	Apr. 1, 1927	1,000	1,000	.....
April 1, 1909	486	3½	Apr. 1, 1927	1,000	1,000	.....
July 1, 1901	249	3½	July 1, 1927	1,000	1,000	.....
July 1, 1902	278	3½	July 1, 1927	1,000	1,000	.....
July 1, 1903	302	4	July 1, 1927	1,000	1,000	.....
July 1, 1904	326	4	July 1, 1927	1,000	1,000	.....
April 1, 1905	Reg. 151	3½	Apr. 1, 1928	.....	.....	1,000
April 1, 1907	Reg. 38	4	Apr. 1, 1928	.....	.....	2,000
April 1, 1908	458	4	Apr. 1, 1928	1,000	1,000	.....
April 1, 1909	487	3½	Apr. 1, 1928	1,000	1,000	.....
July 1, 1901	250	3½	July 1, 1928	1,000	1,000	.....
July 1, 1903	303	4	July 1, 1928	1,000	1,000	.....
July 1, 1904	327	4	July 1, 1928	1,000	1,000	.....
April 1, 1905	Reg. 152	3½	Apr. 1, 1929	.....	.....	1,000
April 1, 1907	Reg. 39	4	Apr. 1, 1929	.....	.....	2,000
April 1, 1908	459	4	Apr. 1, 1929	1,000	1,000	.....
	Amounts	carried	forward..	.....	\$154,000	\$71,000

SEWER LOAN BONDS.—Continued.

DATE.	Number of Bonds.	Rate per cent. of Interest.	When Due.	Denomination.	Amount Coupon Bonds.	Amount Reg. Bonds.
	Amounts	brought	forward..	.....	\$154,000	\$71,000
April 1, 1909	488	3½	Apr. 1, 1929	\$1,000	1,000	.....
July 1, 1901	251	3½	July 1, 1929	1,000	1,000	.....
July 1, 1904	328	4	July 1, 1929	1,000	1,000	.....
April 1, 1905	Reg. 153	3½	Apr. 1, 1930	.....	.....	1,000
April 1, 1907	Reg. 40	4	Apr. 1, 1930	.....	.....	2,000
April 1, 1908	460	4	Apr. 1, 1930	1,000	1,000	.....
April 1, 1909	Reg. 64	3½	Apr. 1, 1930	.....	.....	1,000
July 1, 1901	252	3½	July 1, 1930	1,000	1,000	.....
April 1, 1905	Reg. 154	3½	Apr. 1, 1931	.....	.....	1,000
April 1, 1907	Reg. 41	4	Apr. 1, 1931	.....	.....	2,000
April 1, 1908	461	4	Apr. 1, 1931	1,000	1,000	.....
April 1, 1909	Reg. 65	3½	Apr. 1, 1931	.....	.....	1,000
July 1, 1901	253	3½	July 1, 1931	1,000	1,000	.....
April 1, 1905	Reg. 155	3½	Apr. 1, 1932	.....	.....	1,000
April 1, 1907	Reg. 42	4	Apr. 1, 1932	.....	.....	2,000
April 1, 1908	462	4	Apr. 1, 1932	1,000	1,000	.....
April 1, 1909	Reg. 66	3½	Apr. 1, 1932	.....	.....	1,000
April 1, 1905	Reg. 156	3½	Apr. 1, 1933	.....	.....	1,000
April 1, 1907	Reg. 43	4	Apr. 1, 1933	.....	.....	2,000
April 1, 1908	463	4	Apr. 1, 1933	1,000	1,000	.....
April 1, 1909	Reg. 67	3½	Apr. 1, 1933	.....	.....	1,000
April 1, 1905	Reg. 157	3½	Apr. 1, 1934	.....	.....	1,000
April 1, 1907	Reg. 44	4	Apr. 1, 1934	.....	.....	2,000
April 1, 1908	464	4	Apr. 1, 1934	1,000	1,000	.....
April 1, 1909	Reg. 68	3½	Apr. 1, 1934	.....	.....	1,000
April 1, 1905	Reg. 158	3½	Apr. 1, 1935	.....	.....	1,000
April 1, 1907	Reg. 45	4	Apr. 1, 1935	.....	.....	2,000
April 1, 1908	465	4	Apr. 1, 1935	1,000	1,000	.....
April 1, 1909	494	3½	Apr. 1, 1935	1,000	1,000	.....
	Amounts	carried	forward..	.....	\$166,000	\$94,000

SEWER LOAN BONDS.—Continued.

DATE.	Number of Bonds.	Rate per cent. of Interest.	When Due.	Denomination.	Amount Coupon Bonds.	Amount Reg. Bonds.
	Amounts brought forward...			.....	\$166,000	\$94,000
April 1, 1907	Reg. 46	4	Apr. 1, 1936	.....	.....	2,000
April 1, 1908	466	4	Apr. 1, 1936	\$1,000	1,000	.....
April 1, 1909	495	3½	Apr. 1, 1936	1,000	1,000	.....
April 1, 1907	Reg. 47	4	Apr. 1, 1937	.....	.....	2,000
April 1, 1908	467	4	Apr. 1, 1937	1,000	1,000	.....
April 1, 1909	496	3½	Apr. 1, 1937	1,000	1,000	.....
April 1, 1908	468	4	Apr. 1, 1938	1,000	1,000	.....
April 1, 1909	497	3½	Apr. 1, 1938	1,000	1,000	.....
April 1, 1909	498	3½	Apr. 1, 1939	1,000	1,000	.....
					<u>\$173,000</u>	<u>\$98,000</u>
	Coupon Bonds				\$173,000	
	Registered Bonds				98,000	
	Total amount of Sewer Loan Bonds under debt limit,				<u>\$271,000</u>	

SEWER LOAN BONDS.—Concluded.

ISSUED UNDER AUTHORITY OF CHAPTER 357, ACTS OF 1895, BEYOND THE LIMIT
FIXED BY LAW.

DATE.	Number of Bonds.	Rate per cent. of Interest.	When due.	Denomination.	Amount.
July 1, 1895	126 to 128	4	July 1, 1910	\$1,000	\$3,000
July 1, 1895	129 to 131	4	July 1, 1911	1,000	3,000
July 1, 1895	132 to 134	4	July 1, 1912	1,000	3,000
July 1, 1895	135 to 137	4	July 1, 1913	1,000	3,000
July 1, 1895	133 to 140	4	July 1, 1914	1,000	3,000
July 1, 1895	141 to 143	4	July 1, 1915	1,000	3,000
July 1, 1895	144 to 146	4	July 1, 1916	1,000	3,000
July 1, 1895	147 to 149	4	July 1, 1917	1,000	3,000
July 1, 1895	150 to 152	4	July 1, 1918	1,000	3,000
July 1, 1895	153 to 155	4	July 1, 1919	1,000	3,000
July 1, 1895	156 to 158	4	July 1, 1920	1,000	3,000
July 1, 1895	159 to 161	4	July 1, 1921	1,000	3,000
July 1, 1895	162 to 164	4	July 1, 1922	1,000	3,000
July 1, 1895	165 to 167	4	July 1, 1923	1,000	3,000
July 1, 1895	168 to 170	4	July 1, 1924	1,000	3,000
July 1, 1895	171 to 173	4	July 1, 1925	1,000	3,000
Total amount	of Sewer Loan	Bonds	under above	Act..	\$48,000

City Loan Paving Bonds.

ISSUED UNDER AUTHORITY OF CHAPTER 153, ACTS OF 1892, BEYOND
THE LIMIT FIXED BY LAW.

DATE.	Number of Bonds.	Rate per cent. of Interest.	When due.	Denomination.	Amount.
October 1, 1892	86 to 90	4	Oct. 1, 1910	\$1,000	\$5,000
October 1, 1892	91 to 95	4	Oct. 1, 1911	1,000	5,000
October 1, 1892	96 to 100	4	Oct. 1, 1912	1,000	5,000
	Total amount of	Paving	Bonds..	.....	\$15,000

Water Loan Bonds.

DATE.	Number of Bonds.	Rate per cent. of Interest.	When Due.	Denomination.	Amount Coupon Bonds.	Amount Reg. Bonds.
July 1, 1888	294	4	July 1, 1910	\$1,000	\$1,000	.....
Oct. 1, 1889	Reg. 103	4	Oct. 1, 1910	.....	.....	\$3,000
Oct. 1, 1890	426 to 427	4	Oct. 1, 1910	1,000	2,000	.....
July 1, 1888	295	4	July 1, 1911	1,000	1,000	.....
Oct. 1, 1889	Reg. 104	4	Oct. 1, 1911	.....	.....	3,000
Oct. 1, 1890	428 to 429	4	Oct. 1, 1911	1,000	2,000	.....
July 1, 1888	296	4	July 1, 1912	1,000	1,000	.....
Oct. 1, 1889	Reg. 105	4	Oct. 1, 1912	.....	.....	3,000
Oct. 1, 1890	430 to 431	4	Oct. 1, 1912	1,000	2,000	.....
July 1, 1888	297	4	July 1, 1913	1,000	1,000	.....
Oct. 1, 1889	Reg. 106	4	Oct. 1, 1913	.....	.....	3,000
Oct. 1, 1890	432 to 433	4	Oct. 1, 1913	1,000	2,000	.....
July 1, 1888	298	4	July 1, 1914	1,000	1,000	.....
Oct. 1, 1889	Reg. 107	4	Oct. 1, 1914	.....	.....	3,000
Oct. 1, 1890	434 to 435	4	Oct. 1, 1914	1,000	2,000	.....
July 1, 1888	299	4	July 1, 1915	1,000	1,000	.....
Oct. 1, 1889	Reg. 108	4	Oct. 1, 1915	.....	.....	2,000
Oct. 1, 1890	436 to 437	4	Oct. 1, 1915	1,000	2,000	.....
July 1, 1888	300	4	July 1, 1916	1,000	1,000	.....
Oct. 1, 1889	Reg. 109	4	Oct. 1, 1916	.....	.....	2,000
Oct. 1, 1890	438 to 439	4	Oct. 1, 1916	1,000	2,000	.....
July 1, 1888	301	4	July 1, 1917	1,000	1,000	.....
Oct. 1, 1889	Reg. 110	4	Oct. 1, 1917	.....	.....	2,000
Oct. 1, 1890	440 to 441	4	Oct. 1, 1917	1,000	2,000	.....
July 1, 1888	302	4	July 1, 1918	1,000	1,000	.....
Oct. 1, 1889	Reg. 111	4	Oct. 1, 1918	.....	.....	2,000
Oct. 1, 1890	442 to 443	4	Oct. 1, 1918	1,000	2,000	.....
	Amounts	carried	forward..	.....	\$27,000	\$23,000

WATER LOAN BONDS.—Concluded.

DATE.	Number of Bonds.	Rate per cent. of Interest.	When due.	Denomination.	Amount Coupon Bonds.	Amount Reg. Bonds.
	Amounts	brought	forward..	.....	\$27,000	\$23,000
Oct. 1, 1889	Reg. 112	4	Oct. 1, 1919	.....	.....	2,000
Oct. 1, 1890	444 to 445	4	Oct. 1, 1919	\$1,000	2,000	.....
Oct. 1, 1890	446 to 447	4	Oct. 1, 1920	1,000	2,000	.....
					<u>\$31,000</u>	<u>\$25,000</u>
					Coupon Bonds	\$31,000
					Registered Bonds	<u>25,000</u>
					Total amount Water Loan Bonds	\$56,000

Metropolitan Park Assessment Loan Bonds.

ISSUED UNDER AUTHORITY OF CHAPTER 225, ACTS OF 1902, BEYOND THE LIMIT
FIXED BY LAW.

DATE.	Number of Bonds.	Rate per cent. of Interest.	When due.	Denomination.	Amount Coupon Bonds.	Amount Reg. Bonds.
July 1, 1902	Reg. 181	3½	July 1, 1910	.....	.....	\$1,000
July 1, 1902	Reg. 161	3½	July 1, 1911	.....	.....	1,000
July 1, 1902	Reg. 162	3½	July 1, 1912	.....	.....	1,000
July 1, 1902	11	3½	July 1, 1913	\$1,000	\$1,000	.....
July 1, 1902	12	3½	July 1, 1914	1,000	1,000	.....
July 1, 1902	13	3½	July 1, 1915	1,000	1,000	.....
July 1, 1902	14	3½	July 1, 1916	1,000	1,000	.....
July 1, 1902	15	3½	July 1, 1917	1,000	1,000	.....
July 1, 1902	16	3½	July 1, 1918	1,000	1,000	.....
July 1, 1902	17	3½	July 1, 1919	1,000	1,000	.....
July 1, 1902	18	3½	July 1, 1920	1,000	1,000	.....
July 1, 1902	19	3½	July 1, 1921	1,000	1,000	.....
July 1, 1902	20	3½	July 1, 1922	1,000	1,000	.....
July 1, 1902	21	3½	July 1, 1923	1,000	1,000	.....
July 1, 1902	22	3½	July 1, 1924	1,000	1,000	.....
July 1, 1902	23	3½	July 1, 1925	1,000	1,000	.....
July 1, 1902	24	3½	July 1, 1926	1,000	1,000	.....
July 1, 1902	25	3½	July 1, 1927	1,000	1,000	.....
July 1, 1902	26	3½	July 1, 1928	1,000	1,000	.....
July 1, 1902	27	3½	July 1, 1929	1,000	1,000	.....
					\$17,000	\$3,000

Coupon Bonds \$17,000
Registered Bonds 3,000

Total amount Met. Park Assessment Loan Bonds, \$20,000

Lowell Street Bridge Loan Bonds.

ISSUED UNDER AUTHORITY OF CHAPTER 307, ACTS OF 1909.

DATE.	Number of Bonds.	Rate per cent. of Interest.	When due.	Denomination.	Amount Coupon Bonds.	Amount Reg. Bonds.
April 1, 1909	1	3½	Apr. 1, 1910	\$1,000	\$1,000	.....
April 1, 1909	2	3½	Apr. 1, 1911	1,000	1,000	.....
April 1, 1909	3	3½	Apr. 1, 1912	1,000	1,000	.....
April 1, 1909	4	3½	Apr. 1, 1913	1,000	1,000	.....
April 1, 1909	5	3½	Apr. 1, 1914	1,000	1,000	.....
April 1, 1909	6	3½	Apr. 1, 1915	1,000	1,000	.....
April 1, 1909	7	3½	Apr. 1, 1916	1,000	1,000	.....
April 1, 1909	8	3½	Apr. 1, 1917	1,000	1,000	.....
April 1, 1909	9	3½	Apr. 1, 1918	1,000	1,000	.....
April 1, 1909	10	3½	Apr. 1, 1919	1,000	1,000	.....
April 1, 1909	11	3½	Apr. 1, 1920	1,000	1,000	.....
April 1, 1909	12	3½	Apr. 1, 1921	1,000	1,000	.....
April 1, 1909	13	3½	Apr. 1, 1922	1,000	1,000	.....
April 1, 1909	14	3½	Apr. 1, 1923	1,000	1,000	.....
April 1, 1909	15	3½	Apr. 1, 1924	1,000	1,000	.....
April 1, 1909	16	3½	Apr. 1, 1925	1,000	1,000	.....
April 1, 1909	17	3½	Apr. 1, 1926	1,000	1,000	.....
April 1, 1909	18	3½	Apr. 1, 1927	1,000	1,000	.....
April 1, 1909	19	3½	Apr. 1, 1928	1,000	1,000	.....
April 1, 1909	20	3½	Apr. 1, 1929	1,000	1,000	.....
April 1, 1909	Reg. 59	3½	Apr. 1, 1930	.....	.....	\$1,000
April 1, 1909	Reg. 60	3½	Apr. 1, 1931	.....	.....	1,000
April 1, 1909	Reg. 61	3½	Apr. 1, 1932	.....	.....	1,000
April 1, 1909	Reg. 62	3½	Apr. 1, 1933	.....	.....	1,000
April 1, 1909	Reg. 63	3½	Apr. 1, 1934	.....	.....	1,000
April 1, 1909	26	3½	Apr. 1, 1935	1,000	1,000	.....
April 1, 1909	27	3½	Apr. 1, 1936	1,000	1,000	.....
April 1, 1909	28	3½	Apr. 1, 1937	1,000	1,000	.....
April 1, 1909	29	3½	Apr. 1, 1933	1,000	1,000	.....
	Amounts	carried	forward..	.....	\$24,000	\$5,000

LOWELL STREET BRIDGE LOAN BONDS.—Concluded.

DATE.	Number of Bonds.	Rate per cent. of Interest.	When due.	Denomination.	Amount Coupon Bonds.	Amount Reg. Bonds.
	Amounts	brought forward..	.....		\$24,000	\$5,000
April 1, 1909	30	3½	Apr. 1, 1939	\$1,000	1,000	.....
April 1, 1909	31	3½	Apr. 1, 1940	1,000	1,000	.....
April 1, 1909	32	3½	Apr. 1, 1941	1,000	1,000	.....
April 1, 1909	33	3½	Apr. 1, 1942	1,000	1,000	.....
April 1, 1909	34	3½	Apr. 1, 1943	1,000	1,000	.....
April 1, 1909	35	3½	Apr. 1, 1944	1,000	1,000	.....
April 1, 1909	36	3½	Apr. 1, 1945	1,000	1,000	.....
April 1, 1909	37	3½	Apr. 1, 1946	1,000	1,000	.....
April 1, 1909	38	3½	Apr. 1, 1947	1,000	1,000	.....
April 1, 1909	39	3½	Apr. 1, 1948	1,000	1,000	.....
April 1, 1909	40	3½	Apr. 1, 1949	1,000	1,000	.....
					<u>\$35,000</u>	<u>\$5,000</u>

Coupon Bonds \$35,000
Registered Bonds 5,000

Total amount of Lowell Street Bridge Loan Bonds, \$40,000

Recapitulation.

City Loan Bonds \$1,053,000 00
Sewer Loan Bonds 271,000 00
Lowell Street Bridge Loan Bonds 40,000 00

Total amount of Funded Debt within the limit provided by law \$1,364,000 00
Sewer Loan Bonds, issued under Chapter 357, Acts of 1895 \$48,000 00
City Loan Paving Bonds, issued under Chapter 153, Acts of 1892 15,000 00
Metropolitan Park Assessment Loan Bonds, issued under Chapter 325, Acts of 1902, 20,000 00

Total amount of Funded Debt outside of the limit allowed by law, issued under special Acts 83,000 00
Water Loan Bonds 56,000 00

Total amount of Funded Debt \$1,503,000 00

TABLE C. — STATEMENT OF ACCOUNTS, SHOWING APPROPRIATIONS, EXPENDITURES, ETC., TO DECEMBER 31, 1909.

Appropriations.

CREDIT.	
Taxes, amount assessed for municipal purposes	\$973,325 00
Property and Debt Balance, amount provided by issue of bonds	190,000 00
	\$1,163,325 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	2,000 00
City Solicitor	2,450 00
City Treasurer	9,700 00
Clerk of Committees and Departments	4,800 00
Contingent Fund	2,500 00
Election Expenses:—	
City Clerk	1,900 00
Commissioner of Public Buildings	1,000 00
Pay of Election Officers	2,600 00
Registrars of Voters	1,700 00
Electrical Department	8,500 00
Executive Department	4,000 00
Fire Department	38,000 00
Health Department	8,000 00
Health Department:—	
Collection of Ashes and Offal	50,000 00
Contagious Disease Hospital	1,000 00
Medical Inspection in Public Schools	1,500 00
Highways:—	
Suppression of Elm-Leaf Beetle	1,000 00
Suppression of Gypsy and Brown-Tail Moths	3,800 00
Inspection of Buildings	4,450 00
Interest	75,000 00
Military Aid	900 00
Police	45,000 00
Printing and Stationery	750 00
Public Buildings Maintenance:—	
City Buildings	11,000 00
Fire Department	5,000 00
Janitors' Salaries	30,000 00
Schoolhouses	34,000 00
Public Grounds	11,750 00
Public Library	16,000 00
Public Library, West Somerville Branch	2,500 00
Reduction of Funded Debt	145,000 00
School Contingent	27,000 00
School Teachers' Salaries	295,000 00
Sealer of Weights and Measures	1,800 00
Soldiers' Relief	23,000 00
	\$901,825 00
Amount carried forward	\$901,825 00

Amount brought forward	\$901,825 00	
Somerville Hospital	5,000 00	
Street Lights	50,000 00	
Support of Poor:—		
City Home	3,000 00	
Miscellaneous	13,500 00	
		\$973,325 00
Appropriations on Funded Debt account:—		
Highways, Construction	\$80,000 00	
Highways, Paved Gutters and Crossings	8,000 00	
Sidewalks, Construction	12,000 00	
Public Buildings Construction, Building		
Public Buildings	20,000 00	
Sewers, Construction	30,000 00	
Lowell Street Bridges	40,000 00	
		190,000 00
		<u>\$1,163,325 00</u>

Assessors.

CREDIT.

Appropriations, from Taxes, 1909	\$11,000 00
Excess and Deficiency account, balance transferred	189 24
	<u>\$10,810 76</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
William A. Flaherty, assessor	800 00
Fred B. Clapp, assistant assessor	250 00
John F. Stackpole, assistant assessor	250 00
James A. Butler, assistant assessor	250 00
James Wilson, assistant assessor	250 00
George I. Canfield, assistant assessor	250 00
J. Robert Fenelon, assistant assessor	250 00
Jennie L. Jones, first assistant clerk	800 00
carfares	18 10
Mabel E. Hall, second assistant clerk	600 00
carfares	4 50
Abbie D. Southworth, third assistant clerk	600 00
carfares	60
Theodore H. Locke, clerical services	40 00
Raymond A. Farr, clerical services	44 00
Frank H. Smith, clerical services	50 00
Stanley C. Converse, clerical services	50 00
Florence Ham, clerical services	152 68
Josephine M. Briggs, clerical services	136 01
Bertha M. Boyd, clerical services	129 34
Edith H. Bradford, clerical services	96 00
Jane A. Smith, clerical services	96 00
May F. Dutton, clerical services	74 00
Mabel F. Kenneson, clerical services	73 33
Amount carried forward	<u>\$9,664 56</u>

Amount brought forward	\$9,664 56	
Florence R. Kenneson, clerical services,	70 00	
L. E. Clayton, elastic	1 00	
Glines & Co., expressing	30	
W. A. Greenough & Co., directory	4 00	
E. F. Hicks, lunch	10 00	
N. Allen Lindsey & Co., assignees of Williams & Neiley, precinct lists	554 00	
Wesley A. Maynard, advertising	31 91	
New England Telephone & Telegraph Co., service	45 98	
Pneumatic Hand Stamp Co., stamps	1 30	
Smith-Premier Typewriter Co., supplies,	1 85	
Somerville Journal Co., printing	153 35	
Somerville Post-office, postage	24 00	
Samuel Ward Co., stationery	238 71	
Williams & Neiley, printing	7 00	
Yawman & Erbe Mfg. Co., stationery	2 80	
	<hr/>	\$10,810 76
		<hr/> <hr/>

Benjamin G. Brown School, Land Addition.

CREDIT.

Sewers Construction account, amount transferred	\$1,500 00
Balance to credit of account, 1910	1,500 00
	<hr/> <hr/>

Cash.

RECEIPTS.

Balance from 1908		\$55,109 24
City Clerk	\$2,628 55	
City Engineer	850 00	
City Solicitor	10 38	
City Treasurer	5,190 09	
Clerk of Committees and Departments	16 17	
Commonwealth of Massachusetts	33,144 54	
Contingent Fund	139 00	
County of Middlesex	4,396 11	
Electrical Department	186 50	
Executive Department	28 45	
Fire Department	1,344 67	
Funded Debt	190,000 00	
Grade Crossings	63,516 54	
Health Department	635 36	
Health Department, Collection of Ashes and Offal	9,018 26	
Health Department, Contagious Disease Hospital	5,538 44	
Health Department, Contagious Disease Hospital, Accounts for Collection	1,956 43	
Highway Betterment Assessments	7,080 06	
Highways, Construction	7,230 46	
Highways, Maintenance	20,822 17	
Highways, Paved Gutters and Crossings	47 31	
Highways, Suppression of Gypsy and Brown-tail Moths	1 50	
Highways, Sprinkling Streets	188 47	
Inspection of Buildings	41 25	
	<hr/>	
Amounts carried forward	\$354,010 71	\$55,109 24

Amounts brought forward	\$354,010 71	\$55,109 24
Interest	12,395 32	
Metered Water Charges	24,971 96	
Police	3,344 01	
Public Buildings Maintenance:—		
City Buildings	741 23	
Schoolhouses	166 87	
Public Grounds	512 84	
Public Library	790 63	
Public Library, Frances A. Wilder Children's Department Fund, Income	4 40	
Public Library, Isaac Pitman Fund, Income, Art	260 40	
Public Library, Isaac Pitman Fund, Income, Poetry	65 10	
Public Library, West Somerville Branch	133 27	
Public Library Construction, West Somerville Branch	10,132 50	
Redemption of Tax Liens	667 97	
Reduction of Funded Debt	891 10	
School Contingent	404 56	
School Teachers' Salaries	3 50	
Sealer of Weights and Measures	503 32	
Sewer Assessments	2,340 92	
Sewers, Construction	259 77	
Sewers, Maintenance	1,230 50	
Sidewalk Assessments	13,412 56	
Sidewalks, Construction	23 43	
Sidewalks, Maintenance	86 47	
Soldiers' Relief	9 00	
State Aid	93 00	
Support of Poor, City Home	5,027 75	
Support of Poor, Miscellaneous	3,170 17	
Taxes	1,260,893 34	
Temporary Loans	625,000 00	
Water Maintenance	24,559 91	
Water Service Assessments	3,816 32	
Water Works Income	207,615 96	
		2,557,538 79
		<u>\$2,612,648 03</u>

PAYMENTS.

Assessors	\$10,810 76
City Auditor	704 43
City Clerk	8,558 78
City Engineer	12,319 14
City Messenger	1,892 09
City Solicitor	2,390 07
City Treasurer	14,682 75
Clerk of Committees and Departments	4,754 02
Commonwealth of Massachusetts	185,724 63
Contingent Fund	2,561 28
County of Middlesex	67,627 10
Coupons	47,357 50
Election Expenses:—	
City Clerk	1,268 08
Commissioner of Public Buildings	722 91
Pay of Election Officers	2,538 00
Amount carried forward	<u>\$363,911 59</u>

Amount brought forward	\$363,911 59
Registrars of Voters	1,547 97
Electrical Department	8,556 62
Electrical Department, Underground Construction	3,742 97
Executive Department	3,965 56
Fire Department	79,541 88
Grade Crossings	65,591 07
Health Department	11,746 85
Health Department, Collection of Ashes and Offal	64,091 25
Health Department, Contagious Disease Hospital	8,490 83
Health Department, Medical Inspection in Public Schools	1,427 45
Highways, Construction	86,707 35
Highways Construction, Lowell Street Bridges	8,432 87
Highways, Maintenance	68,027 68
Highways, Paved Gutters and Crossings	15,718 26
Highways, Suppression of Elm-leaf Beetle, Highways, Suppression of Gypsy and Brown-tail Moths	3,274 76
Highways, Sprinkling Streets	30,854 76
Inspection of Buildings	4,660 20
Interest	29,096 12
Military Aid	1,020 00
Overlay and Abatement	53 34
Police	91,690 53
Printing and Stationery	1,735 23
Public Buildings Construction:—	
Bath House Addition	1,362 03
Contagious Disease Hospital Addition, Cummings School Sanitaries	4,062 40
Davis School Sanitaries	1,514 25
High School Building	1,581 72
Highland School, Heating and Ventilating	828 00
Highland School, Heating and Ventilating	8,013 99
Public Buildings Maintenance:—	
City Buildings	14,370 42
Fire Department	6,081 78
Janitors' Salaries	30,921 80
Schoolhouses	40,614 42
Public Grounds	12,244 00
Public Library	20,586 74
Public Library, Isaac Pitman Fund, Income, Art	168 75
Public Library, Isaac Pitman Fund, Income, Poetry	55 13
Public Library, West Somerville Branch	2,633 27
Public Library Construction, West Somerville Branch	10,582 02
Redemption of Tax Liens	652 97
Reduction of Funded Debt	157,500 00
School Contingent	27,448 10
School Teachers' Salaries	293,209 85
Sealer of Weights and Measures	2,281 52
Sewers, Construction	16,029 98
Sewers, Maintenance	13,200 90
Amount carried forward	\$1,620,675 98

Amount brought forward	\$1,620,675 98	
Sidewalks, Construction	24,256 56	
Sidewalks, Maintenance	1,168 66	
Soldiers' Burials	481 00	
Soldiers' Monument	11,934 30	
Soldiers' Relief	23,294 64	
Somerville Hospital	5,000 00	
State Aid	16,680 00	
Street Lights	52,293 63	
Support of Poor, City Home	7,562 83	
Support of Poor, Miscellaneous	16,843 17	
Temporary Loans	650,000 00	
Water Loan Interest	1,120 00	
Water Maintenance	50,294 63	
Water Works, Abatements on Water Charges	183 63	
Water Works Extension	18,014 40	
	<u>\$2,499,803 48</u>	
Balance to debit of account, 1910	112,839 55	<u>\$2,612,648 03</u>

City Auditor.

CREDIT.

Appropriations, from Taxes, 1909	\$725 00	
Excess and Deficiency account, balance transferred	20 57	
	<u>\$704 43</u>	

DEBIT.

(Expenditures.)

Cash, paid Clarence T. Bruce, salary as auditor	\$700 00	
disbursements	2 74	
Pneumatic Hand Stamp Co., rubber stamps	1 69	
	<u>\$704 43</u>	

City Clerk.

CREDIT.

Appropriations, from Taxes, 1909	\$6,000 00	
Excess and Deficiency account, balance transferred	69 77	
	<u>\$5,930 23</u>	

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

Recording mortgages	\$487 50	
Dog licenses	367 00	
Marriage certificates	769 00	
Amusements	154 23	
Transporting liquors	10 00	
Junk licenses	265 00	
Badges	1 75	
Street musicians	16 00	
Copies of records	110 50	
Fireworks	49 00	
Liquor licenses	39 00	

Amounts carried forward	<u>\$2,268 98</u>	<u>\$5,930 23</u>
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Amounts brought forward	\$2,268 98	\$5,930 23
Billiards and pool	120 00	
Intelligence offices	12 00	
Auctioneers' licenses	42 00	
Slaughtering	7 00	
Drivers' licenses	9 00	
Wagon stands	4 00	
Private detectives	10 00	
Sale of old ballots	3 00	
Interest on deposits	10 57	
Hackney carriage	15 00	
Oil certificates	1 00	
Wagon licenses	126 00	
	<hr/>	2,628 55
		<hr/>
		\$3,558 78

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	600 00
Alice M. Vincent, third assistant	588 50
Florence H. Plimpton, fourth assistant	600 00
Josephine M. Briggs, clerical services	118 67
Florence A. Kenneson, clerical services	3 33
American Express Co., expressing	4 23
American Surety Co. of New York, premium	8 00
Allen, Doane & Co., badges	2 75
American Multigraph Sales Co., type	4 90
Marion G. Bourne, canvassing	15 70
T. H. Ball, forms	4 20
Bicknell & Fuller Paper Box Co., boxes, Brown's Express, expressing	18 18
Boston Envelope & Printing Co., envelopes	40
Justin J. Bradshaw & Co., scrap book	5 20
May G. Canfield, canvassing	2 25
The Carter's Ink Co., ink, etc.	38 40
F. W. Cook, ledger bulletin	27 50
S. H. Chamberlain, repairing stamps	2 00
Damon of Boston, year book	2 10
George E. Damon & Co., blank forms	2 00
Estate of Charles E. Davis, canvassing	1 10
Clara Z. Elliot, canvassing	1 20
The Fairbanks Co., scale	14 10
Annie M. Gilcrease, canvassing	3 00
Glines & Co., expressing	80 50
W. A. Greenough & Co., directory	75
Thomas Groom & Co., books	4 00
Gilman Express Co., expressing	40 25
Hobbs & Warren Co., blanks	15
Library Bureau, cards	2 72
William M. L. McAdams, stationery	13 85
Wesley A. Maynard, printing	7 50
	10 25
Amount carried forward	<hr/>
	\$7,127 73

Amount brought forward	\$7,127 73	
Monarch Typewriter Co., machine, etc.,	111 40	
McGrath & Woodley, binding	40 50	
New England Telephone & Telegraph Co., service	172 57	
Pneumatic Hand Stamp Co., stamps	4 04	
A. G. Renner, expressing	35	
Sampson & Murdock Co., directory	6 00	
Somerville Journal Co., printing	156 40	
Somerville Post-office, postage	172 92	
Sundry Persons, returns of births	412 00	
Sundry Persons, returns of deaths	180 00	
Richard H. Tincker, canvassing	76 50	
Thorpe's Express, expressing	50	
Samuel Ward Co., stationery	93 87	
Williams & Neiley, printing	4 00	
		<u>\$8,558 78</u>

City Engineer.

CREDIT.

Appropriations, from Taxes, 1909	\$11,500 00
Excess and Deficiency account, balance transferred	30 86
	<u>\$11,469 14</u>

Receipts:—

Stock and labor billed other departments:—

Highways Construction account, labor	\$200 00	
Lowell Street Bridges account, services	125 00	
Public Grounds account, services	200 00	
Sewers Construction account, labor	225 00	
Sewers Maintenance account, services	75 00	
		<u>825 00</u>

Cash, received of abutters as follows:—

West street, plan	\$5 00	
Merriam street, plan	5 00	
Mallet street, plan	5 00	
Parker street, plan	5 00	
Fremont avenue, plan	5 00	
		<u>25 00</u>
		<u>\$12,319 14</u>

DEBIT.

(Expenditures.)

Cash, paid Ernest W. Bailey, salary as city engineer	\$3,000 00
Engineer's assistants	8,455 19
Engineer's assistants, carfares	268 63
American Express Co., expressing	75
D. J. Bennett, repairing	8 30
Buff & Buff Mfg. Co., tape	6 50
L. E. Clayton, cloth	5 45
Davenport-Brown Co., stakes	5 74
H. C. Dimond & Co., type	4 75
Frost & Adams Co., paper	19 40
Glines & Co., expressing	90
Thomas Groom & Co., stationery	21 00
Gilman & Co., expressing	1 15
Amount carried forward	<u>\$11,797 76</u>

Amount brought forward	\$11,797 76	
P. J. Kinneer, horseshoeing	28 25	
Ledder & Probst, screws	13 40	
Library Bureau, cards	1 00	
B. L. Makepeace, blue prints	1 03	
Municipal Journal, subscription	3 00	
New England Telephone & Telegraph Co.	104 43	
The Phillips Co., repairing screw	25	
Wilbur P. Rice, stakes	10 00	
Spaulding Print Paper Co., paper	1 62	
Smith-Premier Typewriter Co., type- writer and supplies	72 90	
Somerville Post-office, postage	10 50	
James Tevlin, board of horse	216 00	
Thorpe's Express, expressing	15	
Underhill Hardware Co., oil and emery	30	
M. L. Vinal, books	35	
Wadsworth, Howland & Co., supplies	36 08	
W. W. White & Co., mounting	4 20	
Whitney & Snow, hardware	14 12	
George A. Watts, envelope sealer	1 00	
I. B. Walker, repairing	70	
Samuel Ward Co., paper	1 80	
F. S. Webster Co., cutters	30	
		<u>\$12,319 14</u>

City Messenger.

CREDIT.

Appropriations, from Taxes, 1909	\$2,000 00
Excess and Deficiency account, balance transferred	107 91
	<u>\$1,892 09</u>

DEBIT.

(Expenditures.)

Cash, paid Jairus Mann, salary as city mes- senger	\$1,500 00
disbursements	5 75
H. A. Brownell, repairing horse cover	4 40
Thomas Groom & Co., supplies	2 75
Jameson Brothers, board of horse	306 00
New England Telephone & Telegraph Co., service	15 49
Pearl-street Shoeing Forge, shoeing	25 60
R. C. Small & Co., repairing and painting buggy	30 85
Charles L. Underhill, carriage repairs	1 25
	<u>\$1,892 09</u>

City Solicitor.

CREDIT.

Appropriations, from Taxes, 1909	\$2,450 00
Excess and Deficiency account, balance transferred	70 31
	<u>\$2,379 69</u>

Receipts:—

Cash, received of Town of Sutton, costs	10 38
	<u>\$2,390 07</u>

DEBIT.

(Expenditures.)

Cash, paid Frank W. Kaan, salary as city solicitor	\$2,100 00	
disbursements	183 12	
Thomas Damery, salary as claim agent	100 00	
disbursements	1 20	
Benjamin F. Freeman, photographs	4 00	
Sprague & Hathaway Co., map	1 75	
		<u>\$2,390 07</u>

City Treasurer.

CREDIT.

Appropriations, from Taxes, 1909	\$9,700 00	
Excess and Deficiency account, balance transferred	236 16	
		<u>\$9,463 84</u>
Receipts:—		
Commonwealth of Massachusetts, fees for collecting National Bank tax		13 82
Redemption of Tax Liens, fees for releasing tax liens		15 00
Cash, received of sundry persons, certificates	\$175 00	
Sundry persons, costs on taxes and assessments	5,010 09	
		<u>5,185 09</u>
		<u>\$14,677 75</u>

DEBIT.

(Expenditures.)

Cash, paid Joseph S. Pike, salary as city treasurer	\$3,000 00
Charles L. Ellis, deputy collector of taxes	1,450 00
disbursements	22 40
Beulah M. Peirce, first assistant	1,000 00
Louise B. McLaughlin, second assistant,	700 00
Florence M. Grow, third assistant	550 00
Marion C. Kendall, fourth assistant	600 00
Winnifred P. Briggs, fifth assistant	523 81
Susan L. Briggs, clerical services	309 35
Lilla A. Johnson, clerical services	321 35
Roberta B. McDonald, clerical services	73 33
Dorothy S. Hopkins, clerical services	73 33
Ednah A. Whitney, clerical services	60 00
Charles E. Davis, fees for collecting delinquent taxes	25 00
F. W. Hopkins, fees for collecting delinquent taxes	61 50
Malcolm E. Sturtevant, fees for collecting delinquent taxes	392 76
Theodore H. Locke, fees for collecting delinquent taxes, and services	147 27
National Security Bank, clearing house charges	1 85
Amount carried forward	<u>\$9,316 95</u>

Amount brought forward	\$9,316 95	
Beacon Trust Co., clearing house charges	40	
City Trust Co., clearing house charges	57	
Somerville National Bank, clearing house charges	30	
American Surety Co. of New York, premiums on collectors' bonds	184 00	
American Express Co., expressing	50	
Boston News Bureau, subscription	21 60	
Burroughs Adding Machine Co., machine and supplies	442 20	
A. W. Babbitt, check register	11 00	
Brandt Cashier Co., rental of machine	8 00	
Charles E. Berry, making pin	75	
E. J. Cambridge, stamps and envelopes	1,403 34	
Carter's Ink Co., ink	2 25	
City Trust Co., charges for preparation of bonds	200 00	
Edwin O. Childs, recording documents	22 00	
George E. Damon Co., year book	2 00	
Fisher & Fowler, attention to adding machine	4 41	
Thomas Groom & Co., stationery	320 30	
W. A. Greenough & Co., directories	11 00	
Globe-Wernicke Co., guides and folders, William S. Howe, pay-roll box	4 30	
The J. C. Hall Co., lithograph checks	47 50	
Howard Lowell & Son, carriage hire	111 00	
Henry Lorentzen, work on safe	8 00	
McGrath & Woodley, funded debt registers	39 00	
Wesley A. Maynard, printing	186 51	
New England Telephone & Telegraph Co., service	\$129 71	
(Cash)	5 00	
	<hr/>	124 71
National Association of Comptrollers, dues	10 00	
Pneumatic Hand Stamp Co., supplies	1 75	
Edwin L. Pride, auditing	350 00	
Somerville Journal Co., printing and advertising	1,599 77	
Sampson & Murdock Co., directory	6 00	
Smith-Premier Typewriter Co., repairs	1 00	
Walter H. Snow, catering	12 00	
Thorpe's Express, expressing	2 50	
Turner & Co., stationery	145 77	
A. B. Tyler, stamps	50 00	
Winter-hill Press, printing	6 25	
Yale & Towne Mfg. Co., cleaning and insuring lock	15 00	
	<hr/>	\$14,677 75

Clerk of Committees and Departments.

CREDIT.

Appropriations, from Taxes, 1909	\$4,800 00
Excess and Deficiency account, balance transferred	62 15
	<hr/>
Amount carried forward	\$4,737 85

Amount brought forward	\$4,737 85
Receipts:—	
Cash, received of William P. Mitchell, paste	25
	<hr/>
	\$4,738 10

DEBIT.

(Expenditures.)

Cash, paid William P. Mitchell, salary as clerk of committees and departments	\$2,100 00	
Lawrence S. Howard, assistant	1,200 00	
Lucia A. Manning, assistant	600 00	
Bessie L. L. Crosby, assistant	538 05	
Florence Ham, clerical services	29 34	
E. J. Cambridge, postage	86 26	
Globe-Wernicke Co., cards and cabinet	10 25	
W. A. Greenough & Co., directory	4 00	
Glines & Co., expressing	15	
Thomas Groom & Co., stationery	67 88	
Howard Lowell & Son, carriage hire	5 00	
New England Telephone & Telegraph Co., service	\$81 99	
(Cash)	15 92	
	<hr/>	66 07
Somerville Journal Co., envelopes, etc.	22 50	
Smith-Premier Typewriter Co., stationery	2 60	
Sampson & Murdock Co., directory	6 00	
	<hr/>	\$4,738 10
		<hr/> <hr/>

Commonwealth of Massachusetts.

CREDIT.

State Tax		\$78,930 00
National Bank Tax		1,379 13
Metropolitan Sewer Tax:—		
Sinking Fund Requirements	\$7,779 99	
Interest	27,189 16	
Maintenance	21,215 16	
	<hr/>	56,184 31
Metropolitan Park Tax:—		
Sinking Fund Requirements	\$4,314 08	
Interest	11,862 20	
Maintenance	15,463 16	
	<hr/>	31,639 44
Grade Crossings Tax		2,443 07
Middlesex Avenue or Wellington Bridge Tax:—		
Special Assessment	\$4,632 94	
Interest	262 22	
Maintenance	841 92	
	<hr/>	5,737 08
Metropolitan Water Assessment, 1909:—		
Sinking Fund Requirements	\$24,812 23	
Interest	66,540 41	
Maintenance	21,220 56	
	<hr/>	112,573 20
Amount carried forward		\$288,886 23

APPENDIX TO TREASURER AND COLLECTOR'S REPORT. 67

Amount brought forward		\$288,886 23
Cash	\$11,434 88	
	6 00	
	6,262 91	
	11,862 10	
	2,323 20	
	1,255 45	
	<hr/>	33,144 54
		<hr/>
		\$322,030 77

DEBIT.

Balance from 1908	\$18,038 00	
Grade Crossings	25,577 51	
Corporation Taxes, 1908	5,346 25	
Corporation Taxes, 1909	26,357 24	
National Bank Tax, 1909	3,481 19	
Support of Poor, Miscellaneous	958 93	
School Contingent, tuition	246 00	
Street Railway Tax	45,778 32	
Boston Elevated Railway Tax	9,236 99	
Contagious Disease Hospital	1,133 28	
Health Department	138 56	
Fees for collecting National Bank Tax	13 82	
Cash	185,724 68	
	<hr/>	\$322,030 77
		<hr/>

State Aid, 1909		\$16,592 00
Soldiers' Burials, 1909		481 00
Military Aid, 1909		510 00
		<hr/>
		\$17,583 00
Balance to debit of account, December 31, 1909		17,583 00
		<hr/>
		<hr/>

Contingent Fund.

CREDIT.

Appropriations, from Taxes, 1909		\$2,500 00
Excess and Deficiency account, balance transferred		77 72
		<hr/>
		\$2,422 28
Receipts:—		
Cash, received of sundry persons, licenses to peddle	\$100 00	
Sundry persons, druggists' licenses	39 00	
	<hr/>	139 00
		<hr/>
		\$2,561 28

DEBIT.

(Expenditures.)

Cash, paid F. C. Ayer, lumber	\$13 24	
Brown's Express Co., expressing	2 50	
W. S. Burbank & Co., use of hack	5 00	
L. H. Brown, use of coupe	7 00	
William C. Blake, Captain Company K, Eighth Regiment, M. V. M., rifle practice	250 00	
	<hr/>	
Amount carried forward	\$277 74	

Amount brought forward	\$277 74
John Bousfield, ringing bell	9 00
James Bartley, supplies	65
Thomas F. Buckley, settlement of suit	125 00
J. R. Bryan, rent of hall	15 00
Boardman's Band, music	85 00
Cambridge City Band, music	65 00
Commonwealth of Massachusetts, twenty-five per cent. of liquor licenses,	10 00
Jackson Caldwell & Co., chairs, etc.	61 10
Daniel E. Campbell, labor	2 00
Mrs. D. Cass, collation	122 80
L. E. Clayton, cloth and pins	2 08
John Cremen, labor	2 00
Directory Publishing Co., auto list	2 00
John Donnelly & Sons, posting	27 00
Sergeant Frank E. Draper Camp, 41, United Spanish War Veterans, appro- priation	75 00
Davis Square Auto Co., rent of auto- mobile	20 00
Horace A. Edgecomb, reporting hear- ing	10 00
John H. Duseault, disbursements	6 00
Edison Electric Illuminating Co., con- struction, etc.	33 38
J. Fischer & Brother, music	15 12
Thomas Groom & Co., stationery	10 75
Howard Gray, ringing bell	9 00
E. F. Hicks, lunch	84 00
S. Henry Hadley, disbursements	40
Harvard Automobile Co., renting	22 00
Jim Hodder, rent of hall	15 00
J. W. Howard, decorations, etc.	63 70
Jacobs, Whitcomb & Co., flags	12 75
M. D. Jones Co., markers	13 00
King Philip Tavern Co., dinners	17 00
H. A. Kendall, ringing bell	10 00
John Kilty, labor	2 00
Howard Lowell & Son, carriage hire	21 00
F. Leonardi, band concert	65 00
G. F. McKenna & Son, teaming	9 00
Thomas D. Mitchell, sandwiches	19 72
William Meskill, labor	2 00
Jairus Mann, disbursements	4 50
J. Edward L. McLean, carpentering	112 00
New American House, dinners	20 00
Oriental Tea Co., coffee	4 94
O. M. Pote, suit	3 00
Asbury Strahan, ringing bell	9 00
Somerville Journal Co., printing	59 40
Somerville Post-office, envelopes and postage	99 15
Somerville Y. M. C. A., rent of hall	25 00
Walter H. Snow, catering	88 00
M. G. Staples, ringing bell	10 00
Corps Clarence Stewart Auxiliary, No. 19, U. S. W. V., allowance for lunch	40 00
Somerville Military Band, services	168 00
Amount carried forward	\$1,985 18

Amount brought forward	\$1,985 18	
W. C. Towne, ringing bell	10 00	
Samuel Ward Co., inaugural invitations,	90 00	
Whitney & Snow, figures	18 65	
Carroll C. Whittemore, catering	47 00	
Joseph E. Wiley, Captain Company M,		
Eighth Regiment, M. V. M., rifle		
practice	250 00	
Henry A. Wheeler & Co., rent of tent,	103 00	
Willard C. Kinsley Post, 139, G. A. R.,		
decorating graves	12 20	
John M. Woods, disbursements	16 80	
		<hr/>
	\$2,532 83	
Executive Department, postage and sta-		
tionery	28 45	
		<hr/>
		<u>\$2,561 28</u>

County of Middlesex.

CREDIT.

Taxes, 1909, county tax		\$67,627 10
Receipts:—		
Cash, received of J. O. Hayden, county		
treasurer, rent of court room	\$600 00	
return on amount received of the		
city for dog licenses	3,796 11	
		<hr/>
		4,396 11
		<hr/>
		\$72,023 21
Amounts transferred and unused:—		
Public Buildings Maintenance, City Build-		
ings account	\$600 00	
Public Library account	3,796 11	
		<hr/>
		4,396 11
		<hr/>
		\$67,627 10

DEBIT.

(Expenditures.)

Cash, paid County Tax		<u>\$67,627 10</u>
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Coupons.

CREDIT.

Balance of coupons unpaid January 1, 1909		\$16,725 00
Coupons maturing April 1, 1909:—		
Water Loan, \$24,000, six months at 4 per		
cent.	\$480 00	
Sewer Loan, \$2,000, six months at 4½		
per cent.	45 00	
Sewer Loan, \$30,000, six months at 4 per		
cent.	600 00	
Paving Loan, \$20,000, six months at 4 per		
cent.	400 00	
City Loan, \$225,000, six months at 4 per		
cent.	4,500 00	
		<hr/>
		6,025 00
		<hr/>
Amount carried forward		\$22,750 00

Amount brought forward		\$22,750 00
Coupons maturing July 1, 1909:—		
City Loan, \$158,000, six months at 3½ per cent.	\$2,765 00	
City Loan, \$478,500, six months at 4 per cent.	9,570 00	
Sewer Loan, \$38,000, six months at 3½ per cent.	665 00	
Sewer Loan, \$138,000, six months at 4 per cent.	2,760 00	
Metropolitan Park Assessment Loan, \$17,000, six months at 3½ per cent.	297 50	
Water Loan, \$10,000, six months at 4 per cent.	200 00	
	<hr/>	16,257 50
Coupons maturing October 1, 1909:—		
City Loan, \$207,000, six months at 4 per cent.	\$4,140 00	
City Loan, \$120,000, six months at 3½ per cent.	2,100 00	
Sewer Loan, \$2,000, six months at 4½ per cent.	45 00	
Sewer Loan, \$29,000, six months at 4 per cent.	580 00	
Sewer Loan, \$25,000, six months at 3½ per cent.	437 50	
Lowell Street Bridge Loan, \$35,000, six months at 3½ per cent.	612 50	
Paving Loan, \$20,000, six months at 4 per cent.	400 00	
Water Loan, \$24,000, six months at 4 per cent.	480 00	
	<hr/>	8,795 00
Coupons maturing January 1, 1910:—		
City Loan, \$416,000, six months at 4 per cent.	\$8,320 00	
City Loan, \$141,000, six months at 3½ per cent.	2,467 50	
Sewer Loan, \$129,000, six months at 4 per cent.	2,580 00	
Sewer Loan, \$37,000, six months at 3½ per cent.	647 50	
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/>	14,492 50
		<hr/>
		\$62,295 00
DEBIT.		
Cash, paid coupons	\$47,357 50	
Coupons of 1909 unpaid	14,937 50	
	<hr/>	62,295 00
		<hr/>

Election Expenses, City Clerk.

CREDIT.		
Appropriations, from Taxes, 1909		\$1,900 00
Excess and Deficiency account, balance transferred		631 92
		<hr/>
		\$1,268 08

DEBIT.

(Expenditures.)

Cash, paid A. F. Carpenter, candles	\$ 65	
The Carter's Ink Co., ink	6 00	
Carter, Rice & Co., paper	55 20	
Frederic W. Cook, disbursements	2 95	
John Donnelly & Sons, posting	32 00	
Davis Square Stable, carriage hire	155 00	
Glines & Co., expressing	75	
O. L. Hill, use of car	30 00	
John H. Kelley, repairing boxes	78 80	
A. C. Libbey & Sons, supplies	11 90	
McGrath & Woodley, binding	2 75	
Wesley A. Maynard, printing	142 50	
Pneumatic Hand Stamp Co., stamps	71	
Somerville Journal Co., printing	736 96	
Somerville Post-office, postage	4 00	
Whitney & Snow, hardware	6 09	
Samuel Ward Co., fasteners, etc.	1 02	
Howard E. Wemyss, tape	80	
		<u>\$1,268 08</u>

Election Expenses, Commissioner of Public Buildings.

CREDIT.

Appropriations, from Taxes, 1909	\$1,000 00
Excess and Deficiency account, balance transferred	277 09
	<u>\$722 91</u>

DEBIT.

(Expenditures.)

Cash, paid Derby Desk Co., plate for desk,	\$5 00	
Eugene Girroir, carpenter work	19 00	
Godfrey Specialty Co., supplies	62 03	
Jim Hodder & Bros., rent of hall	40 00	
Joseph O. Hobbs, rent of hall	25 00	
T. E. Littlefield, lumber	7 38	
G. F. McKenna & Son, teaming	89 51	
J. E. L. McLean, carpentering	363 88	
Charles F. Mills, carpentering	24 50	
Arthur G. Pearson, rent of hall	80 00	
W. E. Plumer & Co., hardware	76	
Underhill Hardware Co., hardware	3 15	
A. J. Wilkinson & Co., hardware	2 70	
		<u>\$722 91</u>

Election Expenses, Pay of Election Officers.

CREDIT.

Appropriations, from Taxes, 1909	\$2,600 00
Excess and Deficiency account, balance transferred	62 00
	<u>\$2,538 00</u>

DEBIT.

(Expenditures.)

Cash, paid election officers	<u>\$2,538 00</u>
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Election Expenses, Registrars of Voters.

CREDIT.

Appropriations, from Taxes, 1909	\$1,700 00
Excess and Deficiency account, balance transferred	152 03

\$1,547 97

DEBIT.

(Expenditures.)

Cash, paid Charles P. Lincoln, salary as registrar	\$200 00
Charles E. Parks, salary as registrar	200 00
Edwin D. Sibley, salary as registrar	200 00
Frederic W. Cook, salary as registrar	200 00
George E. Davis, clerical services	30 00
Lawrence S. Howard, clerical services,	3 00
Frank E. Merrill, clerical services	33 00
Fred E. Warren, clerical services	30 00
Howard E. Wemyss, clerical services	39 00
John Donnelly & Sons, posting	46 00
Thomas Groom & Co., book	13 50
Glines & Co., expressing	25
Gridley Coffee House, lunch	12 65
Library Bureau, cards	1 44
Wesley A. Maynard, printing	41 63
McGrath & Woodley, binding	6 50
Pneumatic Hand Stamp Co., stamp	25
Somerville Journal Co., printing	442 00
Samuel Ward Co., stationery	48 75

\$1,547 97

Electrical Department.

CREDIT.

Appropriations, from Taxes, 1909	\$8,500 00
Excess and Deficiency account, balance transferred	129 88

\$8,370 12

Receipts:—

Cash, received of Edison Electric Illuminating Co., grounding wires	\$125 00
Brown & Simonds Co., fire alarm box	50 00
Cochrane Chemical Co., carboys returned	11 50

186 50

\$8,556 62

DEBIT.

(Expenditures.)

Cash, paid Melvin F. Underwood, salary as commissioner of electric lines and lights	\$163 76
Walter I. Fuller, salary as commissioner of electric lines and lights	1,139 72
disbursements	12 55
Laborers	4,039 40
American Express Co., expressing	6 40

Amount carried forward \$5,361 83

Amount brought forward	\$5,361 83
F. C. Ayer, lumber	4 99
American Steel & Wire Co., wire	184 53
Allen Brothers, stamp ribbons	1 50
American Dyewood Co., vitriol	77 60
Automatic Time Stamp Co., time stamp,	5 75
Bean's Pharmacies, syringe, etc.	3 50
Charles E. Berry, harness	34 00
John F. Biggs & Co., envelopes	3 00
D. J. Bennett, repairing	17 10
Beattie Zinc Works Co., zincs	100 13
F. W. Barry, Beale & Co., stationery	5 25
Brown's Express, expressing	75
Cameron Appliance Co., blocks	14 70
Chandler & Farquhar Co., tools	147 08
Clifton Mfg. Co., tape	10 50
S. H. Couch Co., supplies	40 16
Electric Goods Mfg. Co., batteries	50 08
Davenport-Brown Co., wood	5 70
Ferd. F. French & Co., buggy	90 00
Fellows & Co., ladder, etc.	11 00
Gamewell Fire Alarm Telegraph Co., supplies	1,213 91
Thomas W. Gleason, repairing	9 00
Glines & Co., expressing	3 08
Globe Gas Light Co., lantern	2 50
George E. Gilchrist Co., solder	2 10
Gilman Express Co., expressing	1 00
O. L. Hill, agent, use of auto, etc.	26 45
Highland Press, printing	2 75
William S. Howe, clips	2 00
Hoyt Electric Inst. Works, ammeter, etc.	34 75
F. M. Kelson, sponge	70
F. W. Kimball, show case, etc.	30 00
T. E. Littlefield, lumber	3 66
Mitchell Mfg. Co., figures	7 00
D. McDonald, repairing	5 10
Martin & Wood, moulding	1 50
New England Telephone & Telegraph Co., service	82 98
New York Insulated Wire Co., wire	76 65
New American House, dinners	15 00
Charles E. Perry Co., register paper	37 66
W. E. Plumer & Co., supplies	54 71
Pettingell-Andrews Co., supplies	22 60
John B. Rufer, repairing buggy	4 00
A. G. Renner, expressing	3 05
Stilphen's Express, expressing	25
Somerville Journal Co., police reports	9 75
Standard Plate Glass Co., glass	85
Sartwell-Heinold & Co., blankets	15 80
Thorpe's Express, expressing	22 50
L. H. Truesdell & Co., lettering	1 00
Underhill Hardware Co., hardware	42 31
Samuel Ward Co., stationery	5 75
Western Electric Co., supplies	120 84
Asahel Wheeler Co., enamel	22 15
H. G. White, wagon	50 00
Amount carried forward	\$8,102 50

Amount brought forward	\$8,102 50	
A. J. Wilkinson & Co., hardware	4 90	
Waite, Ranlet & Co., gutters, etc.	2 50	
I. B. Walker, frame for lamp	3 00	
Wetherbee Brothers, service and auto hire	12 00	
		<hr/>
	\$8,124 90	
Fire Department, board of horse	300 00	
Police Department, board of horse	131 72	
		<hr/>
		<u>\$8,556 62</u>

Electrical Department, Underground Construction.

CREDIT.

Balance from 1908	\$3,171 87
Sewers Construction account, amount transferred	1,500 00
	<hr/>
	\$4,671 87
Balance to credit of account, 1910	928 90
	<hr/>
	<u>\$3,742 97</u>

DEBIT.

(Expenditures.)

Cash, paid laborers	\$769 20
Barbour, Stockwell Co., castings	102 00
Boston & Maine Railroad, freight	4 50
Highland Coal Co., cement	4 60
Wesley A. Maynard, advertising	4 00
New England Telephone & Telegraph Co., labor and materials	503 92
New York Insulated Wire Co., wire	2,213 31
James Sugden, installing cable	139 51
	<hr/>
	\$3,741 04
Highways Maintenance account, crushed stone	1 93
	<hr/>
	<u>\$3,742 97</u>

Excess and Deficiency.

CREDIT.

Balance from 1908	\$11,256 80
Printing and Stationery account, amount transferred	1,500 00
	<hr/>
	\$9,756 80
Balances of 1909 accounts:—	
Assessors	189 24
City Auditor	20 57
City Clerk	69 77
City Engineer	30 86
City Messenger	107 91
City Solicitor	70 31
City Treasurer	236 16
Clerk of Committees and Departments	62 15
Contingent Fund	77 72
	<hr/>
Amount carried forward	<u>\$10,621 49</u>

Amount brought forward	\$10,621 49
Election Expenses:—	
City Clerk	631 92
Commissioner of Public Buildings	277 09
Pay of Election Officers	62 00
Registrars of Voters	152 03
Electrical Department	129 88
Executive Department	62 89
Health Department, Medical Inspection in Public Schools,	72 55
Highways, Suppression of Elm-leaf Beetle	153 20
Highways, Suppression of Gypsy and Brown-tail Moths	2,176 15
Highways, Sprinkling Streets	10 96
Interest	14,069 20
Military Aid	390 00
Printing and Stationery	514 77
Public Grounds	18 84
Reduction of Funded Debt	10,519 34
School Contingent	202 46
School Teachers' Salaries	1,793 65
Sealer of Weights and Measures	21 80
Sewers, Maintenance	29 60
State Aid	5 00
Support of Poor, City Home	464 92
Support of Poor, Miscellaneous	785 93

\$43,165 67

Balance to credit of account, 1910 10,708 05

\$32,457 62

DEBIT.

Balances of 1909 accounts:—	
Fire Department	\$2,197 21
Health Department	3,082 92
Health Department, Collection of Ashes and Offal	5,072 99
Health Department, Contagious Disease Hospital	709 12
Inspection of Buildings	168 95
Police	8,161 84
Public Buildings Maintenance:—	
City Buildings	2,029 19
Fire Department	1,081 78
Janitors' Salaries	921 80
Schoolhouses	6,447 55
Soldiers' Relief	285 64
Street Lights	2,298 63

\$32,457 62

Executive Department.

CREDIT.

Appropriations, from Taxes, 1909	\$4,000 00
Excess and Deficiency account, balance transferred	62 89
	<u>\$3,937 11</u>
Contingent Fund account, postage and stationery	28 45
	<u>\$3,965 56</u>

DEBIT.

(Expenditures.)

Cash, paid John M. Woods, salary as mayor	\$2,500 00	
Fred E. Warren, secretary to the mayor, disbursements	1,300 00	49
American Express Co., expressing		30
Carter's Ink Co., ink		1 13
W. A. Greenough & Co., directory		4 00
New England Telephone & Telegraph Co., service	60 09	
Somerville Post-office, postage	46 40	
Somerville Journal Co., printing	27 25	
Underwood Typewriter Co., supplies	2 00	
Sampson & Murdock Co., directory	6 00	
Samuel Ward Co., stationery	17 90	
		<u>\$3,965 56</u>

Fire Department.

CREDIT.

Appropriations, from Taxes, 1909	\$38,000 00	
Water Works Income account, amount appropriated	38,000 00	
Excess and Deficiency account, balance transferred	2,197 21	
		<u>\$78,197 21</u>
Stock and labor billed other departments:—		
Electrical Department account, board of horses		300. 00
Receipts:—		
Cash, received of City Treasurer, fines	\$969 67	
Ralph M. Sturtevant, horses	75 00	
		<u>1,044 67</u>
		<u>\$79,541 88</u>

DEBIT.

(Expenditures.)

Cash, paid James R. Hopkins, salary as chief engineer	\$2,000 00
Edward W. Ring, assistant engineer	1,456 00
Permanent firemen and substitutes	46,982 30
Callmen:—	
Steamer Co. No. 1	1,347 32
Steamer Co. No. 2	1,359 59
Steamer Co. No. 4	1,604 86
Steamer Co. No. 6	1,010 58
Hose Co. No. 2	1,196 30
Hose Co. No. 3	1,205 52
Hose Co. No. 5	941 12
Hose Co. No. 7	996 14
Hook and Ladder Co. No. 1	1,835 19
Hook and Ladder Co. No. 2	1,975 07
J. H. Edwards, horseshoeing	303 89
David Keefe, horseshoeing	34 20
George W. Ladd, horseshoeing	119 05
George McDormand, horseshoeing	112 55
Edward O'Brien, horseshoeing	52 95
Pearl Street Shoeing Forge, horseshoeing	79 40
Amount carried forward	<u>\$64,612 03</u>

Amount brought forward	\$64,612 03
J. B. Rufer, horseshoeing	446 25
J. H. Thompson, horseshoeing	27 05
Harry Tobin, horseshoeing	55 90
I. B. Walker, horseshoeing	232 00
Margaret E. Calvert, washing	194 31
Mrs. I. C. Jackson, washing	150 85
A. M. Spike, washing	22 49
Mrs. W. Loveland, washing	7 25
Mary Shaw, washing	40 77
Mrs. E. F. Trefren, washing	35 63
American Express Co., expressing	3 40
American La France Fire Engine Co., valves	41 95
George A. Ayer, brushes	35 50
Ame & Co., food	17 50
American Metal Polish Co., polish	9 00
F. W. Barry, Beale & Co., stationery	36 00
D. J. Bennett, repairing harnesses	104 05
Charles E. Berry, repairing apparatus	671 64
James M. Berry, surgical supplies	7 25
Boston Ice Co., ice	15 00
Braman, Dow & Co., wrenches	14 03
H. A. Brownell, repairing harnesses	46 30
W. S. Burbank & Co., sawdust	3 00
Boston Coupling Co., repairing	304 92
A. & E. Burton Co., dusters, etc.	39 00
Boston Chemical Co., insecticide	10 00
Cornelius Callahan Co., hose	159 00
C. C. C. Fire Hose Co., hose	660 00
John L. Crafts, aprons	27 25
E. J. Cambridge, stamps	5 00
Commonwealth Oil Co., soap	74 79
G. W. Cutter, insignia, etc.	63 00
Crosby Steam Gage & Valve Co., re- pairing	18 45
F. E. Cheney Co., soap, etc.	8 02
Combination Ladder & Rhode Island Coupling Co., hose	148 92
Cambridge Ice Co., ice	27 09
Jackson Caldwell & Co., comforters	25 00
Joseph A. Cribby, services	100 00
J. Albert Dow, services	68 00
Davenport-Brown Co., posts	9 24
J. A. Durell, hardware	73
Eastern Drug Co., sulphuric acid	33 41
J. Wesley Edmonds & Son, metal polish,	33 66
Eureka Fire Hose Mfg. Co., hose	75 00
Samuel Eastman & Co., holders	50 00
Firestone Tire & Rubber Co., re-setting tires	139 78
F. E. Fitts Mfg. & Supply Co., waste	80 45
Fred W. Farrar, repairing	2 50
"Fire & Water Engineering," subscrip- tion	3 00
Fresh Pond Ice Co., ice	28 32
Gilman Express Co., expressing	8 97
Glines & Co., expressing	10 18
W. A. Greenough & Co., directories	16 00
Amount carried forward	\$69,063 88

Amount brought forward	\$69,063 88
Charles T. Garland, use of horses	10 00
George E. Grover, horse medicine	3 15
Hale & Mayhew Co., repairing	14 55
Henry S. Harris & Son, harnesses, etc.,	109 40
Henry S. Harris' Sons, horses	846 90
Hill & Holt, oil, etc.	2 70
R. Hull, oil	110 59
S. D. Hicks & Son, repairing	17 27
William H. Hitchings, dentistry	14 00
William S. Howe, repairing	2 94
S. F. Hayward & Co., hose patches	2 70
Jim Hodder & Brother, blankets	109 94
Hill & Hill, harness snaps	12 00
O. L. Hill, use of autos	55 50
Industrial Department, Massachusetts	
Commission for the Blind, mops	18 00
J. A. Kiley, repairing	319 50
F. W. Kimball, repairing	2 50
Knox & Morse Co., disinfectant	28 00
O. F. Kress & Son, nozzle	12 00
Lord & Webster, hay and straw	2,048 43
J. Loring & Co., nutrotine	26 00
Leousi, Clonney & Co., sponges	46 18
J. G. Lesure, medicine	34 00
H. W. Litchfield, milk	40
Little, Brown & Co., Acts and Resolves,	2 00
Martin & Wood, repairing	1 60
Mitchell Mfg. Co., badges	59 25
C. W. H. Moulton & Co., repairing	
ladders	40 20
D. McDonald, repairing	40 70
Joseph Moran, food	12 40
Manhattan Rubber Mfg. Co., hose	150 00
Mathieson Alkali Works, soda	47 04
John H. Melavin, nozzles, etc.	12 40
Harry E. Morton, inspecting boilers	25 00
A. M. Morton & Co., oiler	66
New England Telephone & Telegraph	
Co., service	163 75
George W. Norton, soap	26 60
Fulton O'Brion, hay and straw	1,196 99
H. H. Osgood & Co., squilgees	6 00
R. G. Perkins, surgical supplies	5 65
Proctor Brothers, oats, etc.	787 78
W. E. Plumer & Co., oil	7 95
Perham's Express, expressing	70
C. N. Perkins Co., brakes	220 00
A. W. Phillips, gall cure	2 00
Henry D. Padelford, drugs	2 50
John B. Rufer, repairing	207 10
F. W. Ramsey, M. D., services	10 00
Wilbur P. Rice, lumber	6 06
O. S. Ryerson, sharpener	75 00
R. F. Reichard Co., soap powder	15 30
Rufer & Creamer, use of horse	6 00
Scovill Mfg. Co., buttons	33 75
Charles R. Simpson, veterinary services,	97 70
Somerville Journal Co., printing	101 75
Amount carried forward	<u>\$76,274 36</u>

Amount brought forward	\$76,274 36	
E. S. Sparrow & Co., hardware	2 60	
Sartwell, Heinold & Humphrey, soap	4 80	
Somerville Brush Co., sweepers	12 00	
R. M. Sturtevant, bay horse	300 00	
Smith-Premier Typewriter Co., repairing	1 00	
William J. Thompson & Co., hay	193 56	
Nathan Tufts & Sons, oats, etc.	1,553 38	
Charles L. Underhill, hardware	5 75	
Underhill Hardware Co., hardware	51 03	
Union Square Hotel, dinners	23 00	
Harry Van Iderstine, insurance	8 19	
Welch, Dwyer & Grady, repairing	196 00	
Welch & Hall Co., horse	471 20	
Oliver Whyte Co., baskets	47 25	
William J. Wiley, linseed oil	4 34	
Winter Hill Ice Co., ice	12 00	
L. A. Wright, repairing	56 75	
West Disinfecting Co., soap and disinfectant	82 00	
Charles A. G. Winther, mats	102 00	
Whitney & Snow, hardware	18 67	
Western Electric Co., motor	78 00	
Winchester Tar Disinfectant Co., disinfectant	12 00	
Fred H. Wentworth, badges	27 00	
		<u>\$79,541 88</u>

Fire Department, Additional Apparatus.

CREDIT.

Balance from 1908	\$59 55
Sewers Construction account, amount transferred	5,000 00
	<u>\$5,059 55</u>
Balance to credit of account, 1910	<u>5,059 55</u>

Funded Debt.

CREDIT.

Funded Debt, January 1, 1909	\$1,466,500 00
Issue of 1909:—	
City Loan Bonds Nos. 3726 to 3845	\$120,000 00
Sewer Loan Bonds Nos. 469 to 493	30,000 00
Lowell Street Bridge Loan Bonds Nos. 1 to 40	40,000 00
	<u>190,000 00</u>
	<u>\$1,656,500 00</u>

DEBIT.

Bonds matured in 1909:—	
City Loan Bond No. Reg. 114	\$9,000 00
City Loan Bonds Nos. 3519 to 3529	11,000 00
City Loan Bonds Nos. 3646 to 3652	7,000 00
City Loan Bonds Nos. 1698 to 1703	6,000 00
City Loan Bonds Nos. 1963 to 1976	14,000 00
	<u>\$47,000 00</u>
Amount carried forward	\$47,000 00

Amount brought forward	\$47,000 00
City Loan Bond No. Reg. 171	8,000 00
City Loan Bonds Nos. 2326 to 2330	5,000 00
City Loan Bonds Nos. 2466 to 2470	5,000 00
City Loan Bonds Nos. 2585 to 2591	7,000 00
City Loan Bonds Nos. 2716 to 2725	10,000 00
City Loan Bonds Nos. 2833 to 2839	7,000 00
City Loan Bond No. Reg. 163	9,000 00
City Loan Bonds Nos. 3065 to 3073	9,000 00
City Loan Bonds Nos. 3226 to 3233	8,000 00
City Loan Bond No. 3234	500 00
City Loan Bonds Nos. 3444 to 3451	8,000 00
City Loan Bonds Nos. 3160 to 3161	2,000 00
Sewer Loan Bond No. Reg. 132	1,000 00
Sewer Loan Bond No. Reg. 19	2,000 00
Sewer Loan Bond No. 439	1,000 00
Sewer Loan Bond No. 68	1,000 00
Sewer Loan Bond No. 185	1,000 00
Sewer Loan Bond No. 209	1,000 00
Sewer Loan Bond No. 231	1,000 00
Sewer Loan Bond No. Reg. 167	1,000 00
Sewer Loan Bond No. 284	1,000 00
Sewer Loan Bond No. 303	1,000 00
Sewer Loan Bond No. 361	1,000 00
Sewer Loan Bond No. 51	1,000 00
Sewer Loan Bonds Nos. 123 to 125	3,000 00
Paving Loan Bonds Nos. 81 to 85	5,000 00
Water Loan Bonds Nos. 423 to 424	2,000 00
Water Loan Bond No. 293	1,000 00
Water Loan Bond No. Reg. 102	3,000 00
Metropolitan Park Assessment Loan Bond No. Reg. 160	1,000 00

 \$153,500 00

Present Funded Debt, balance of account 1,503,000 00

 \$1,656,500 00

Grade Crossings.

CREDIT.

Commonwealth of Massachusetts, amount received, 12 per cent.	\$12,684 17
City of Somerville, received from Commonwealth, 10 per cent.	12,893 34
	<hr/>
	\$25,577 51

Receipts:—

Cash, received of Boston & Maine Rail- road, decree, 60 per cent.	\$43,912 79
West End Street Railway Co., Boston Elevated Railway Co. Lessee, decree, 13 per cent.	13,741 18
Boston & Albany Railroad, New York Central & Hudson River Railroad, Lessee, decree, 5 per cent.	5,235 07
Frank W. Kaan, 50 per cent. of bills not allowed	577 50
	<hr/>
	63,516 54
Balance to debit of account, 1910	9,376 54
	<hr/>
	\$98,470 59

DEBIT.

(Expenditures.)

Balance from 1908		\$32,879 52
Cash, Fitchburg Railroad Co., Boston & Maine Railroad, Lessees, city's portion expense of construction	\$2,323 20	
Eugene H. Jones, photographs	9 00	
Frank W. Kaan, legal services as special counsel	1,184 09	
George F. Marshall, Trustee, settlement of claim for damage to estate	650 00	
Elizabeth J. O'Neil, settlement for taking estate	3,035 04	
North Packing & Provision Co., settlement of claim for damage to estate,	3,000 00	
Daniel O'Sullivan, settlement of claim for damage to estate	2,500 00	
William Phelan, taking estates	6,000 00	
Frank O. Squire, Fred F. Squire, and John P. Wyman, Trustees, settlement of claim	10,789 74	
John P. Squire & Co., settlement of claim for damage to estate	36,000 00	
Francis Tufts, land damage	100 00	
		<hr/>
		\$65,591 07
		<hr/>
		\$98,470 59
		<hr/>

Health Department.

CREDIT.

Appropriations, from Taxes, 1909		\$8,000 00
Excess and Deficiency account, balance transferred		3,082 92
		<hr/>
		\$11,082 92
Commonwealth of Massachusetts, care of patients		28 57
Receipts:—		
Cash, received of J. E. Richardson, milk inspector's fees	\$321 00	
witness fees returned	4 85	
Herbert E. Bowman, milk inspector's fees	32 35	
William P. Mitchell, permits to keep swine	56 00	
witness fees returned	1 30	
City of Boston, care of patients	151 43	
City of Cambridge, care of patients	34 00	
City of Worcester, care of patients	27 14	
George W. Harding, care of patient	5 00	
		<hr/>
		633 07
		<hr/>
		\$11,744 56

DEBIT.

(Expenditures.)

Cash, paid Caleb A. Page, salary as agent, disbursements	\$1,500 00
Sundry persons, burying dead animals,	3 10
	103 75
	<hr/>
Amount carried forward	\$1,606 85

Amount brought forward	\$1,606 85
Frank L. Morse, M. D., salary as medical inspector	1,400 00
visits to dangerous cases	543 80
Charles M. Berry, salary as inspector of animals and provisions	1,141 62
disbursements	1 90
Julius E. Richardson, salary as milk inspector	860 42
disbursements	61 69
Herbert E. Bowman, salary as milk inspector	201 06
M. W. White, M. D., salary as medical inspector of parochial school	100 00
Adams Pharmacy, delivering cultures	1 30
American Express Co., expressing	10 25
J. H. Atkinson, painting	22 00
D. J. Bennett, harness work, etc.	78 20
H. E. Bowman, medicines	21 25
J. H. Brooks, cleaning blankets	5 00
E. J. Cambridge, postage	89 36
Cambridge Ice Co., ice	22 72
City of Salem, care of patients	72 17
City of Worcester, care of patients	2 86
Claude Curtis, delivering cultures	3 90
E. B. Carpenter, delivering cultures	10
City of Boston, care of patients	2,381 44
City of Newton, care of patients	153 99
Chelsea Health Department, care of patients	200 00
City of Cambridge, care of patients	1,001 43
Edward Edwards, medicine and delivering cultures	14 10
P. S. Eaton, delivering cultures	70
W. S. Furbush, delivering cultures	10
C. F. Giles, provisions	110 00
F. W. Gay, delivering cultures	2 90
Thomas Groom & Co., stationery	76 10
Gilman Brothers, sulphuric acid	2 40
R. Hull, oil	60
Percy A. Hall, delivering cultures	9 70
Hobbs & Warren Co., notices	2 24
Jaynes Drug Co., alcohol	7 18
Martin & Wood, repairing generator	24 00
Massachusetts State Sanatorium, care of patients	\$17 71
(Cash)	2 29
	<hr/>
	15 42
City of Malden, care of patients	22 30
Commonwealth of Massachusetts, care of patients	174 00
Melvin & Badger, drugs	80
Theodore Metcalf Co., drugs	29
T. H. Mooers, plumbing	16 05
Wesley A. Maynard, advertising	5 50
New England Telephone & Telegraph Co., service	90 69
North Packing & Provision Co., provisions	135 89
Amount carried forward	<hr/> \$10,694 27

Amount brought forward	\$10,694 27	
North Reading State Sanatorium, care of patients	20 00	
David O'Keefe, shoeing	2 00	
R. G. Perkins, medicine	20 00	
A. P. Rockwood, board of horse	376 80	
G. W. Ryan, provisions	8 00	
Estate of J. E. Richardson, office rent	20 00	
Somerville Journal Co., printing	151 95	
Schieffelin & Co., medicine	65 12	
R. M. Sturtevant, provisions	48 00	
Somerville Hospital, care of patients	181 43	
F. H. Thomas Co., gas tubing	11 71	
Harry Tobin, shoeing	30 50	
Thorpe's Express, expressing	2 13	
Thorpe & Martin Co., stationery	7 85	
Wellington-Wild Coal Co., fuel	4 43	
L. A. Wright, tires, etc.	28 00	
Whitney & Snow, hardware	97	
Williams & Neiley, printing	50 00	
I. B. Walker, repairing wagon	20 10	
Samuel Ward Co., typewriter paper	1 30	
		<u>\$11,744 56</u>

Health Department, Collection of Ashes and Offal.

CREDIT.

Appropriations, from Taxes, 1909	\$50,000 00
Excess and Deficiency account, balance transferred	5,072 99
	<u>\$55,072 99</u>
Stock and labor billed other departments:—	
Support of Poor, City Home account, offal	287 25
Receipts:—	
Cash, received of sundry persons, offal	8,731 01
	<u>\$64,091 25</u>

DEBIT.

(Expenditures.)

Cash, paid Edgar T. Mayhew, salary as superintendent	\$1,400 00
Laborers	46,539 25
T. Allen, teaming	217 50
D. J. Bennett, harnesses, etc.	809 33
Jerry Buttimer, teaming	5 00
Boston Woven Hose & Rubber Co., hose	41 50
H. E. Bowman, medicine	9 43
Joseph Breck & Sons, tools	35 86
J. A. Durell, hardware	69 32
R. W. Doe, heater	21 00
J. H. Edwards, horseshoeing	45 80
John Fisher & Co., offal tubs	20 70
Thomas Groom & Co., books	38 60
Hale & Mayhew Co., repairing wagons	192 80
William T. Kilmartin, teaming	322 50
George W. Ladd, horseshoeing	156 15
	<u>\$49,924 74</u>
Amount carried forward	\$49,924 74

Amount brought forward	\$49,924 74	
Lord & Webster, straw	1,752 88	
Frank W. Leavitt, ash carts	450 00	
T. E. Littlefield, shingles	2 25	
George McDormand, horseshoeing	276 50	
J. B. Mayhew, canvas cover	13 00	
New England Telephone & Telegraph Co., service	47 05	
Edward O'Brien, horseshoeing	324 14	
Fulton O'Brien, grain	2,570 52	
Proctor Brothers, grain	1,495 02	
John B. Rufer, repairing	171 35	
O. B. Shepley, horses	650 00	
Charles R. Simpson, veterinary services, Shepard, Clark & Co., sponges	140 75	
Walter H. Snow & Son, teaming	37 40	
J. H. Thompson, teaming and board of horse	20 00	
William J. Thompson Co., hay	538 93	
Nathan Tufts & Sons, oats, etc.	199 74	
I. B. Walker, horseshoeing	1,843 89	
Welch & Hall Co., horses	604 53	
L. A. Wright, repairing wagons	928 96	
Whitney & Snow, hardware	68 70	
John Wilson, teaming	59 45	
Winter Hill Press, printing	20 00	
	4 75	
	<u>\$62,144 55</u>	
Highways Maintenance' account, use of teams	1,946 70	
	<u><u>\$64,091 25</u></u>	

Health Department, Contagious Disease Hospital.

CREDIT.

Appropriations, from Taxes, 1909	\$1,000 00	
Excess and Deficiency account, balance transferred	709 12	
	<u>\$1,709 12</u>	
Receipts:—		
Commonwealth of Massachusetts, care of patients		1,243 27
Cash, received of City of Boston, care of patients	\$818 59	
City of Cambridge, care of patients	655 71	
City of Chelsea, care of patients	87 86	
City of Everett, care of patients	261 44	
City of Gloucester, care of patients	113 57	
City of Lynn, care of patients	83 57	
City of Medford, care of patients	800 13	
City of Newton, care of patients	109 29	
City of Waltham, care of patients	92 14	
City of Woburn, care of patients	85 71	
Town of Amesbury, care of patients	107 14	
Town of Arlington, care of patients	232 13	
Town of Norwood, care of patients	34 29	
Town of Revere, care of patients	25 71	
Town of Sutton, care of patients	109 29	
Town of Truro, care of patients	40 72	
Amounts carried forward	<u>\$3,657 29</u>	<u>\$2,952 39</u>

Amounts brought forward	\$3,657 29	\$2,952 39
Town of Wakefield, care of patients	6 43	
Town of Walpole, care of patients	267 86	
Town of Weston, care of patients	98 57	
Town of Williamstown, care of patients,	68 57	
Sundry persons, care of patients	1,439 72	
	<hr/>	\$5,538 44
		<hr/>
		\$8,490 83

DEBIT.

(Expenditures.)

Cash, paid Nellie J. Van Cor, matron	\$804 84
incidental expenses	250 00
Edith M. Grant, matron	64 00
incidental expenses	50 00
Nurses and assistants	4,431 96
Edward B. Bruce Co., whiskey	53 47
C. J. Bailey & Co., rubber goods	14 73
Charles M. Berry, disbursements	1 00
Borden's Condensed Milk Co., milk	3 20
Robert Burlen, book binding	7 50
Cambridge Ice Co., ice	68 13
Empire Laundry Machine Co., ironing board and iron	20 00
Farley, Harvey & Co., dry goods	54 44
J. B. Fuller & Co., alcohol and brandy	19 00
Willis S. Furbush & Co., medicine	75 34
Mary E. Fales, room rent	13 18
Gilman Express Co., expressing	3 50
W. A. Greenough & Co., directory	4 00
C. H. Goldthwaite, supplies	7 55
J. Frank Gear, supplies	13 79
Glines & Co., expressing	25
C. F. Hathaway & Son, bread	42 48
Martin L. Hall Co., groceries	382 25
H. P. Hood & Sons, milk	310 92
F. J. Hopkins, fish	53 28
I. N. Holman, sharpening	3 55
J. W. Howard, plants	2 50
E. Houston Co., games	1 25
Hobbs & Warren Co., blanks	1 00
George T. Johnson & Co., toilet paper	5 50
Jordan Marsh Co., dishes, etc.	40 66
Jones, McDuffee & Stratton, dishes	20 11
William Leavens & Co., furniture	5 50
Lewis Mfg. Co., gauze	13 55
C. E. Morse, room rent	2 00
Miley Soap Co., soap	17 25
Wesley A. Maynard, printing	2 25
National Biscuit Co., biscuits	13 28
New England Mfg. Co., butterine	48 15
New England Telephone & Telegraph Co., service	64 74
National Thermometer Co., ther- mometers, etc.	7 65
S. S. Pierce Co., coffee	1 65
Richardson, Wright & Co., cribs, etc.	139 04
Randall-Faichney Co., thermometers	3 50
	<hr/>
Amount carried forward	\$7,141 94

Amount brought forward	\$7,141 94	
Somerville Post-office, postage	10 62	
E. S. Sparrow & Co., hardware	11 98	
C. L. Stevens, provisions	861 79	
Schieffelin & Co., medicine	21 48	
Somerville Journal Co., printing	16 55	
Leslie H. Steele, papers	6 00	
George W. Steele, room rent	12 53	
Shepard, Norwell Co., gowns	41 40	
Mrs. F. O. J. Tarbox, room rent	65 00	
Henry A. Wheeler & Co., awnings	39 75	
Wilson, Larrabee & Co., towels, etc.	69 49	
Samuel Ward Co., stationery	6 54	
Woman's Educational and Industrial Union, securing nurses	3 60	
	<hr/>	
	\$8,308 67	
Support of Poor, City Home account, produce and milk	182 16	
	<hr/>	
		<u>\$8,490 83</u>

Health Department, Contagious Disease Hospital, Accounts for Collection.

CREDIT.

Cash, received from City of Cambridge, care	\$1,956 43
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DEBIT.

Balance from 1908	<u>\$1,956 43</u>
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Health Department, Medical Inspection in Public Schools.

CREDIT.

Appropriations, from Taxes, 1909	\$1,500 00
Excess and Deficiency account, balance transferred	72 55

\$1,427 45

DEBIT.

(Expenditures.)

Cash, paid W. L. Bond, medical inspection	\$200 00
Herbert Cholerton, medical inspection	200 00
Edward J. Dailey, medical inspection	200 00
Robert F. Gibson, medical inspection	200 00
L. H. Raymond, medical inspection	200 00
Francis Shaw, medical inspection	200 00
H. M. Stoodley, medical inspection	200 00
Wesley A. Maynard, printing	19 95
Somerville Journal Co., printing	7 50

\$1,427 45

Highway Betterment Assessments.

CREDIT.

Cash, received of sundry persons	\$7,080 06
Highways Construction account, abatements	67 79
Balance to debit of account, 1910	3,394 37

\$10,542 22

DEBIT.

Balance from 1908	\$7,179 21	
Highways Construction account, assessments levied	3,363 01	
	<hr/>	\$10,542 22

Highways, Construction.

CREDIT.

Appropriations, from Funded Debt, 1909		\$80,000 00
Highways, Shade Trees account, amount transferred		33 38
Stock and labor billed other departments:—		
Highways, Lowell Street Bridges account, paving blocks	\$275 37	
Highways, Paved Gutters and Crossings account, paving blocks	6,955 09	
	<hr/>	7,230 46
Charged to Highway Betterment Assessments account, assessments levied less abatements	\$3,363 01 67 79	
	<hr/>	3,295 22
		<hr/>
		\$90,559 06
Balance from 1908		2,099 80
		<hr/>
		\$92,658 86
Balance to credit of account, 1910		5,951 51
		<hr/>
		\$86,707 35

DEBIT.
(Expenditures.)

Cash, paid laborers	\$13,578 37
Barrett Mfg. Co., tarvia	8,492 09
Coleman Brothers, crushed stone and use of roller	2,905 48
Edwin O. Child, Register, recording documents	54 05
Fred E. Ellis, trap rock	1,010 92
Fred S. and A. D. Gove Corporation, on account of paving Washington street	10,718 41
George D. Haven, land taken and damages	1,349 02
S. & R. J. Lombard, paving blocks	2,316 65
Massachusetts Broken Stone Co., stone	821 48
W. B. Mullen, car pebbles	232 50
Wesley A. Maynard, advertising	16 50
William J. McCarthy Co., stone	91 47
Somerville Journal Co., advertising	32 00
Simpson Brothers Corporation, on account of paving Highland avenue, and labor, teaming, etc.	32,946 19
Somerville Coal Co., discharging rock	24 30
Abbie E. Taylor, laying out Cleveland street, damages	500 00
Tide Water Broken Stone Co., rock	320 60
Charles L. Upham, land damages, Heath street	75 00
Winchester Stone Co., stone	1,894 99
Waltham Trap Rock Co., stone	586 75
	<hr/>
	\$77,966 77
Amount carried forward	\$77,966 77

Amount brought forward	\$77,966 77	
City Engineer account, inspection	200 00	
Highway Betterment Assessments account, assessment	106 40	
Highways Maintenance account, use of city teams, etc.	7,610 95	
Sewers Maintenance account, changing grade of catch basins	528 69	
Sidewalks Maintenance account, bricks	44 88	
Taxes account, taxes on ledge property, 1905 and 1906	97 25	
Water Maintenance account, stock, labor, etc.	152 41	
		<u>\$36,707 35</u>

Highways Construction, Lowell Street Bridges.

CREDIT.

Appropriations, from Funded Debt, 1909	\$40,000 00
Balance to credit of account, 1910	31,567 13
	<u>\$8,432 87</u>

DEBIT.

(Expenditures.)

Cash, paid laborers	\$2,231 26
F. C. Ayer, lumber	526 01
H. S. Angus & Son, raising houses	460 00
John H. Adcock, plumbing	66 82
S. F. Bowser & Co., repairs	1 90
John P. Burke, mason work	1,623 00
Barbour, Stockwell Co., frame and grate, W. F. Griffin, plumbing	2 62
Eugene H. Jones, photographs	10 80
Frank O. Johnson, furnace work	16 50
T. E. Littlefield, lumber	79 18
P. Lacy, mason work	3 36
S. & R. J. Lombard, edgestones	600 00
Charles F. Mills, carpentering	29 69
Edward L. McLean, dirt	445 97
New England Brick Co., bricks	353 00
Somerville Journal Co., advertising	10 80
Simpson Brothers Corporation, hauling filling	13 00
Somerville Furnace & Stove Co., fur- nace work	354 20
S. J. Sands, plumbing, etc.	57 66
James Tevlin, labor, etc.	290 00
Waldo Brothers, cement	80 50
	15 88
	<u>\$7,277 15</u>
City Engineer account, services	125 00
Highway Construction account, labor	275 37
Highways Maintenance account, use of city teams	338 57
Highways, Paved Gutters and Crossings account, paving blocks	9 50
Sewers Maintenance account, changing grade, etc.	407 28
	<u>\$8,432 87</u>

Highways, Maintenance.

CREDIT.

Balance from 1908		\$5,613 93
Commonwealth of Massachusetts:—		
Street Railway Tax	\$15,778 32	
Boston Elevated Railway Tax	9,236 99	
	<hr/>	55,015 31
		<hr/>
Amount transferred to Sidewalks Maintenance account		\$60,629 29
		1,082 19
		<hr/>
Balance to credit of account, 1910		\$59,547 10
		12,341 59
		<hr/>
		\$47,205 51

Stock and labor billed other departments:—

Electrical Department, Underground Construction account, crushed stone	\$1 93	
Health, Collection of Ashes and Offal account, teams	1,946 70	
Highways Construction account, use of city teams, etc.	7,610 95	
Highways Construction, Lowell Street Bridges account, use of city teams	338 57	
Highways, Paved Gutters and Crossings account, use of city teams	1,425 44	
Highways, Sprinkling Streets account, use of city teams	2,612 99	
Highways, Suppression of Elm Leaf Beetle account, use of city teams	58 80	
Highways, Suppression of Gypsy and Brown Tail Moths account, use of city teams	123 20	
Public Buildings Maintenance, City Buildings account, coal, etc.	14 78	
Public Grounds account, stock and labor	309 52	
Public Library Construction, West Somerville Branch account, constructing driveway	44 59	
Sewers Construction account, repairing sidewalk	104 30	
Sewers Maintenance account, gravel	6 80	
Sidewalks Construction account, use of city teams	3,612 94	
Sidewalks Maintenance account, use of city teams	172 24	
Soldiers' Monument account, teaming	6 55	
Water Maintenance account, labor and stone	27 73	
	<hr/>	18,418 03

Receipts:—

Cash, received of sundry persons, constructing driveways	\$302 98	
Cambridge Gas Light Co., labor	1,207 95	
Boston Elevated Railway Co., labor	248 68	
Waldo Brothers, bags	227 05	
F. R. Mathison, loam	142 50	
	<hr/>	
Amounts carried forward	\$2,129 16	\$65,623 54

Amounts brought forward	\$2,129 16	\$65,623 54
F. T. Ley, crushed stone	142 20	
Simpson Brothers Corporation, labor	1 70	
Somerville Y. M. C. A., crushed stone, etc.	53 45	
Sundry persons, labor, etc.	14 63	
	<hr/>	2,341 14
		<hr/>
		\$67,964 68

DEBIT.

(Expenditures.)

Cash, paid Asa B. Prichard, salary as street commissioner	\$2,000 00	
disbursements	50	
Laborers	\$45,547 17	
(Cash)	63 00	
	<hr/>	45,484 17
American Broom Co., brooms	143 90	
American Express Co., expressing	2 40	
Ashton Valve Co., repairing valves	4 60	
F. C. Ayer, lumber	253 59	
Abbot-Downing Co., chain	7 00	
Boston & Maine Railroad, freight	4 43	
Barrett Mfg. Co., tarvia	1,023 28	
J. A. Bremner, frames and glass	3 00	
Jerry Buttimer, stone	27 08	
Buffalo Steam Roller Co., repairing rollers	447 46	
Charles E. Berry, labor on stone crusher	23 31	
H. E. Bowman, medicine	7 85	
Boulevard Auto Co., use of car	15 00	
Braman, Dow & Co., supplies	21 48	
Boston Woven Hose & Rubber Co., hose	13 40	
Boston Grease Co., lubricator	17 10	
Boston Steam Roller Co., grease	3 50	
Chandler & Farquhar Co., supplies	22 94	
Charles A. Clafin Co., belt lacings, etc., Richard A. Crocker, settlement for in- juries	105 82	
G. S. Cheney Co., medicine	25 00	
T. A. Cunningham, brush	23 54	
Cling Surface Co., cling surface	2 25	
Catherine Cunningham, settlement of claim	7 00	
Davenport-Brown Co., lumber	150 00	
Dyar Supply Co., wagon	8 54	
R. W. Doe, iron rivets, etc.	170 00	
Thomas Damery, disbursements	11 95	
Dodge & Haley Co., bolts, etc.	10 00	
Edson Mfg. Co., chains for sweeper	78 10	
J. H. Edwards, setting shoe	13 00	
J. Hatfield Estey, sand	25	
J. H. Fannon, repairing crossings	129 00	
Walter W. Field, repairing machine, etc.	16 98	
	61 23	
	<hr/>	\$50,338 65
Amount carried forward		

Amount brought forward	\$50,338 65
F. C. Fuller & Co., white lead	30 00
Glimes & Co., expressing	13 80
Thomas Groom & Co., books	37 75
Good Roads Machinery Co., snow plow, etc.	59 75
Goodwin & Rimbach, dinners	23 00
Mary G. Geary, settlement for injury	175 00
B. B. Holton, gravel and sand	10 00
E. J. Hervey Co., dynamite	183 48
Thomas Hollis Co., anodyne	4 00
Alfred O. Heustis, hames fasteners	1 00
J. W. Howard, tree and flowers	5 90
J. F. Hanley, horse collars	5 00
William Houley, settlement for injury	600 00
William H. Hitchings, veterinary ser- vices	101 00
Ingersoll-Sargent Drill Co., bolts, etc.	3 55
A. W. Isele & Son, hammers	27 00
H. W. Johns-Manville Co., roofing	32 50
William T. Kilmartin, sand, etc.	51 27
J. A. Kiley, bolt	10
T. E. Littlefield, lumber	2 00
Lord & Webster, hay and straw	1,945 50
A. C. Libby & Sons, stationery	40 75
P. J. Lennon, stone	35 85
George W. Ladd, horseshoeing	6 10
Estate of Charles Linehan, rent of land	75 00
S. & R. J. Lombard, circles	109 98
Martin & Wood, sharpening saws	7 25
Morgan & Bond, saddlery supplies	592 99
Massachusetts Broken Stone Co., stone, D. J. Moynahan, board of horse	213 33
George F. McKenna & Son, horses	600 00
W. B. Mullen, sand	1,034 96
Miller & Co., chain fall	32 60
George McDormand, horseshoeing	4 65
Medford Street Market, lard	7 30
Alfred E. Mann, repairing wagon	46 50
Massachusetts Commission for the Blind, push brooms	9 50
Wesley A. Maynard, advertising	1 87
New England Telephone & Telegraph Co., service	106 20
New England Oil Co., oil	262 24
North Packing & Provision Co., lard	1 80
New England Towel Supply Co., wash- ing towels	2 25
Edward O'Brien, horseshoeing	166 25
J. O'Keefe, gravel, etc.	101 25
Fulton O'Brion, feed, etc.	2,173 02
Proctor Brothers Grain Co., grain	1,430 67
Perrin, Seamans Co., plow, etc.	80 26
S. D. Pierce, stone	2 76
Perkins Wood Working Co., oak	64 03
W. E. Plumer & Co., hardware	49 88
John A. Pendergast, push brooms	9 25
John M. Riley, sand	121 00
Roberts Iron Works Co., grate	6 68
Amount carried forward	\$61,105 12

Amount brought forward	\$61,105 12	
John B. Rufer, clipping	4 85	
Fred Schumacher, stone	39 10	
Suffolk Hide Co., salt	7 50	
Shea Lubricator Co., lubricator	18 90	
J. H. Strain, repairing scraper	34 60	
George H. Sampson Co., packing rings,	2 20	
E. S. Sparrow & Co., hardware	170 33	
Sherburne & Co., shovels, etc.	311 56	
W. A. Sanborn & Co., bricks	38 43	
Sampson Draught Spring Co., springs	5 00	
Walter H. Snow, catering	10 49	
Somerville Journal Co., printing	32 10	
J. H. Shannon, stone	13 65	
W. A. Smith, tools, etc.	59 86	
Sexton Car Co., cans and barrels	54 00	
T. A. Sallaway, lamp black and oil	8 40	
Somerville Post-office, postage	18 62	
Albion Towle, board of horse	75 00	
William Thumith, loam	13 50	
Nathan Tufts & Sons, grain	2,271 88	
Thorpe's Express, expressing	1 00	
Valvoline Oil Co., oil	127 14	
Underhill Hardware Co., hardware	174 49	
A. M. Wood Co., iron and nails	268 26	
Wellington-Wild Coal Co., fuel	1,057 37	
Whitney & Snow, paint stock, etc.	83 00	
I. B. Walker, repairing carts	136 57	
William J. Wiley, repairing	13 70	
L. A. Wright, repairing	43 45	
Walworth Mfg. Co., supplies	4 17	
Mary E. Walsh, settlement of claim	6 00	
Asahel Wheeler & Co., gold leaf	7 50	
Waldo Brothers, cement	1,497 38	
City of Waltham, taxes	106 80	
Waltham Trap Rock Co., stone	30 69	
		<hr/>
	\$67,852 61	
Highways, Paved Gutters and Crossings ac- count, paving blocks	37 81	
Sidewalks Construction account, lumber	10 33	
Sidewalks Maintenance account, bricks	40 09	
Water Maintenance account, stock and labor	23 84	
		<hr/>
		\$67,964 68

Highways, Paved Gutters and Crossings.

CREDIT.

Appropriations, from Funded Debt, 1909	\$8,000 00	
Sewers Construction account, amount transferred	7,670 95	
		<hr/>
		\$15,670 95
Stock and labor billed other departments:—		
Highways Maintenance account, paving blocks	\$37 81	
Highways Construction, Lowell Street Bridges account, paving blocks	9 50	
		<hr/>
		47 31
		<hr/>
		\$15,718 26

DEBIT.

(Expenditures.)

Cash, paid laborers	\$5,139 19	
Barrett Mfg. Co., tarvia	203 85	
S. & R. J. Lombard, flagging, etc.	1,983 72	
W. A. Sanborn & Co., paving bricks	10 97	
		<hr/>
	\$7,337 73	
Highways Construction account, paving blocks	6,955 09	
Highways Maintenance account, use of city teams, etc.	1,425 44	
		<hr/>
		<u>\$15,718 26</u>

Highways, Shade Trees.

CREDIT.

Balance from 1908	\$33 38
Highways Construction account, amount transferred	33 38
	<hr/>
	<u>66 76</u>

Highways, Sprinkling Streets.

CREDIT.

Taxes, assessments levied	\$30,677 25
Excess and Deficiency account, balance transferred	10 96
	<hr/>
	\$30,666 29

Receipts:—

Cash, received of abutters	\$30 00	
Sundry persons, insuring	70 00	
Barrett Mfg. Co., barrels	29 00	
Gulf Refining Co., barrels returned	59 47	
		<hr/>
		188 47
		<hr/>
		\$30,854 76

DEBIT.

(Expenditures.)

Cash, paid laborers	\$5,348 55
Thomas Allen, sprinkling	556 00
Cornelius R. Bowlby, sprinkling	200 32
Fred R. Brown, sprinkling	150 00
Frank Buttimer, sprinkling	150 00
James W. Buckley, sprinkling	540 00
George E. Carr, sprinkling	540 00
Daniel Collins, sprinkling	564 00
Timothy F. Crimmings, sprinkling	103 00
J. F. Elkins Co., sprinkling	540 00
James H. Fannon, sprinkling	233 93
Charles T. Garland, sprinkling	540 00
William A. Hall, sprinkling	578 00
J. F. Hause & Co., sprinkling	540 00
Jameson Bros., sprinkling	540 00
Howard Lowell & Son, sprinkling	566 00
J. A. Marsh Coal Co., sprinkling	570 00
Annie M. McAvoy, sprinkling	510 00
Joseph J. Manning, sprinkling	510 00
	<hr/>
Amount carried forward	\$13,344 80

Amount brought forward	\$13,344 80	
Michael J. McLaughlin, sprinkling	519 68	
Mark W. Patten, sprinkling	572 00	
George Patten, sprinkling	81 68	
Albion M. Prescott, sprinkling	643 68	
Albert P. Rockwood, sprinkling	540 00	
Thomas F. Reardon, sprinkling	580 00	
J. B. Rufer & Co., sprinkling	540 00	
David M. Smith, sprinkling	572 00	
James Simpson, sprinkling	540 00	
George Stevenson, sprinkling	566 00	
Suburban Coal Co., sprinkling	562 00	
Mary J. Shean, sprinkling	550 07	
Ralph M. Sturtevant, sprinkling	576 00	
R. Allen Sturtevant, sprinkling	540 00	
J. Herbert Thompson, sprinkling	90 00	
John Wilson, sprinkling	540 00	
Thomas Walsh, sprinkling	372 00	
Delia M. Wilson, sprinkling	32 00	
Barrett Mfg. Co., tarvia	3,669 53	
Josephine M. Briggs, clerical services	14 67	
Dodge-Haley Co., iron	31 31	
W. J. Emerson, rubber boots	21 00	
Gulf Refining Co., asfaltoid emulsion	263 20	
Good Roads Improvement Co., asphaltolene	270 00	
Florence Ham, clerical services	20 00	
Headley Good Roads Co., dust preventive	1,270 50	
Indian Refining Co., asphalt	248 45	
Florence R. Kenneson, clerical services	90 67	
Margaret E. Lawler, excess paid for 1903-1906	5 92	
James H. Maguire Co., lard	1 76	
City of Medford, sprinkling	66 43	
J. L. & H. K. Potter, repairing carts	59 64	
Somerville Journal Co., printing	12 37	
Joseph Palmer, repairing springs	14 50	
Charles S. Robertson, insurance	90 00	
E. S. Sparrow & Co., hardware	7 55	
A. M. Wood Co., steel	1 48	
Walworth Mfg. Co., nipples, etc.	7 51	
I. B. Walker, repairing carts, etc.	3 50	
Samuel Ward Co., book	17 25	
	<hr/>	
	\$27,949 15	
Highways Maintenance account, use of city teams	2,612 99	
Water Maintenance account, maintenance of water posts	292 62	
	<hr/>	
		\$30,854 76
		<hr/>

Highways, Suppression of Elm-Leaf Beetle.

	CREDIT.	
Appropriations, from Taxes, 1909		\$1,000 00
Excess and Deficiency account, balance transferred		153 20
		<hr/>
		\$846 80

DEBIT.

(Expenditures.)

Cash, paid laborers	\$670 50	
Frost Insecticide Co., arsenate of lead	112 50	
Walsh Bros., spraying trees	5 00	
		<hr/>
	\$788 00	
Highways Maintenance account, use of city teams	58 80	
		<hr/>
		<u>\$846 80</u>

Highways, Suppression of Gypsy and Brown-Tail Moths.

CREDIT.

Appropriations, from Taxes, 1909	\$3,800 00
Taxes, assessments levied	1,649 41
	<hr/>
	\$5,449 41
Excess and Deficiency account, balance transferred	2,176 15
	<hr/>
	\$3,273 26
Receipts:—	
Cash, received of New England Oil Co., barrel	1 50
	<hr/>
	\$3,274 76

DEBIT.

(Expenditures.)

Cash, paid laborers	\$2,860 58	
T. Allen, cement, etc.	9 00	
Barrett Mfg. Co., creosote	8 64	
T. A. Cunningham, brushes	1 50	
Fellows & Co., ladders, poles, etc.	48 25	
Florence Ham, clerical services	53 34	
Martin & Wood, springs	8 00	
W. E. Plumer & Co., supplies	15 20	
Somerville Journal Co., printing	122 75	
Underhill Hardware Co., supplies	2 30	
Walsh Bros., spraying trees	8 50	
Samuel Ward Co., book	13 50	
		<hr/>
	\$3,151 56	
Highways Maintenance account, use of teams	123 20	
		<hr/>
		<u>\$3,274 76</u>

Inspection of Buildings.

CREDIT.

Appropriations, from Taxes, 1909	\$4,450 00
Excess and Deficiency account, balance transferred	168 95
	<hr/>
	\$4,618 95
Receipts:—	
Cash, received of Walter T. Littlefield, plumbers' licenses,	41 25
	<hr/>
	\$4,660 20

DEBIT.

(Expenditures.)

Cash, paid Walter T. Littlefield, salary as commissioner of public buildings	\$2,000 00	
William F. Barker, deputy commissioner of public buildings	336 07	
George H. Galpin, assistant to commissioner of public buildings	800 00	
Duncan C. Greene, inspector of plumbing	1,200 00	
W. A. Greenough & Co., directory	4 00	
Glines & Co., expressing	15	
Thomas Groom & Co., stationery	6 26	
W. J. Hanson, oil	50	
Alexander H. Irvin, paper fasteners	30	
Wesley A. Maynard, printing	3 00	
B. L. Makepeace, supplies	9 80	
New England Telephone & Telegraph Co., service	125 55	
Samuel Ward Co., stationery	11 40	
Smith-Premier Typewriter Co., repairs and supplies	8 25	
Somerville Journal Co., supplies	98 90	
S. M. Spencer Mfg. Co., rubber stamps	53	
F. S. Webster Co., supplies	1 05	
Samuel Ward Co., supplies	5 73	
Yawman Erbe Mfg. Co., cards, etc.	48 71	
		<u>\$4,660 20</u>

Interest.

CREDIT.

Appropriations, from Taxes, 1909	\$75,000 00
Excess and Deficiency account, balance transferred	14,069 20
	<u>\$60,930 80</u>
Receipts:—	
Cash, received of sundry persons	12,395 32
	<u>\$73,326 12</u>

DEBIT.

(Expenditures.)

Coupons maturing April 1, 1909	\$5,545 00	
Coupons maturing July 1, 1909	16,057 50	
Coupons maturing October 1, 1909	8,315 00	
Coupons maturing January 1, 1910, 14,312 50		<u>\$44,230 00</u>
Cash, paid interest on Registered Bonds:—		
Interest due April 1, 1909	\$3,487 50	
Interest due July 1, 1909	2,085 00	
Interest due October 1, 1909	3,447 50	
Interest due January 1, 1910	1,732 50	
		<u>10,752 50</u>
Amount carried forward		<u>\$54,982 50</u>

Amount brought forward	\$54,982 50	
On Temporary Loans:—		
Note No. 686, 12 months, \$25,000	\$937 50	
Note No. 688, 6 months, \$25,000	468 75	
Note No. 687, 6 months, \$50,000	962 50	
Notes Nos. 691-2-3, 251 days, \$150,000	3,157 92	
Notes Nos. 694 to 697, 236 days, \$100,000	1,966 67	
Notes Nos. 698 to 705, 310 days, \$150,000	4,178 00	
Note No. 706, 6 months, \$25,000	375 00	
Note No. 687, six months, \$50,000	962 50	
Notes Nos. 707 to 722, 261 days, \$200,000	5,334 78	
	<u>18,343 62</u>	
		<u>\$73,326 12</u>

Metered Water Charges.

CREDIT.

Cash, received of sundry water takers	\$24,971 96	
	2 50	
	<u>24,974 46</u>	\$24,974 46
Balance to debit of account, 1910		15,664 46
		<u>\$40,638 92</u>

DEBIT.

Balance from 1908	\$24,974 46	
Last quarter, 1909, uncollected	15,664 46	
	<u>40,638 92</u>	<u>\$40,638 92</u>

Military Aid.

CREDIT.

Appropriations, from Taxes, 1909	\$900 00	
Excess and Deficiency account, balance transferred	390 00	
	<u>510 00</u>	
Commonwealth of Massachusetts, amount charged	510 00	
		<u>\$1,020 00</u>

DEBIT.

(Expenditures.)

Cash, paid sundry persons as per pay-rolls	\$1,020 00	
	<u>1,020 00</u>	

Overlay and Abatement.

CREDIT.

Balance from 1908	\$11,563 04	
Taxes, amount of overlay from assessors' warrant	10,304 53	
Amount of assessors' supplementary warrants, 1909	4,356 48	
	<u>26,224 05</u>	
Amount carried forward		\$26,224 05

Amount brought forward		\$26,224 05
Balance to credit of account, 1910		6,882 29
		<hr/>
		\$19,341 76
Taxes, to correct warrant		248 00
Taxes, moth tax re-assessed		2 00
		<hr/>
		\$19,591 76
	DEBIT.	
Taxes, amount of abatements	\$19,538 42	
Cash, paid sundry persons, money re- funded	53 34	
	<hr/>	\$19,591 76
		<hr/> <hr/>

Overplus on Tax Sales.

	CREDIT.	
Balance from 1908		\$118 13
	DEBIT.	
Balance to credit of account, 1910		\$118 13
		<hr/> <hr/>

Police.

	CREDIT.	
Appropriations, from Taxes, 1909		\$45,000 00
Excess and Deficiency account, balance transferred		8,161 84
		<hr/>
		\$53,161 84
Receipts:—		
Commonwealth of Massachusetts, corpora- tion tax, 1908	\$5,418 15	
Commonwealth of Massachusetts, corpora- tion tax, 1909	26,357 24	
Commonwealth of Massachusetts, national bank tax, 1909	\$3,481 19	
less tax of 1908	71 90	
	<hr/>	3,409 29
		<hr/>
		35,184 68
Stock and labor billed other departments:—		
Electrical Department, hay and grain		131 72
Receipts:—		
Cash, received of John R. Fairbairn, Master of House of Correction, fines	\$231 00	
Herbert A. Chapin, Clerk of the Courts, fines	2,040 00	
Sundry persons, cloth for uniforms	382 44	
Boston & Maine Railroad Corporation, police service	480 00	
John B. Rufer, old wagon	10 00	
John J. McCarthy, junk	9 85	
Helen B. Choate, police services	9 00	
	<hr/>	3,212 29
		<hr/> <hr/>
		\$91,690 53

DEBIT.

(Expenditures.)

Cash, paid Charles A. Kendall, chief	\$1,598 08
Robert R. Perry, captain	1,500 00
Lieutenants:—	
Dennis Kelley	1,350 00
Eugene A. Carter	1,350 00
Charles E. Woodman	1,350 00
Sergeants:—	
Edward McGarr	1,200 00
George H. Carleton	1,200 00
James M. Harmon	1,200 00
John A. Ray	1,200 00
Inspector:—	
Thomas Damery	1,150 00
Patrolmen (salaries and extra duties):—	
Charles W. Allen	1,041 50
Louis F. Arnold	1,107 00
Louis J. Belzarini	1,076 75
Robert T. Blair	1,093 25
David A. Bolton	1,110 75
Joseph J. Burns	987 75
Samuel Burns	1,115 75
Edward M. Carter	1,097 00
Jotham Chisholm	1,108 25
Claude L. Crossman	1,107 00
John J. Cummings	1,104 75
John A. Dadmun	1,108 25
William J. Davidson	1,108 25
Edward M. Davies	1,109 50
Robert D. Dewar	842 50
Ezra A. Dodge	1,093 25
Patrick J. Doolin	985 25
Dennis Downey	1,103 25
Elmer E. Drew	1,083 00
Joseph A. Dwyer	937 25
Augustine J. Fitzpatrick	848 00
Harvey R. Fuller	1,105 75
Ernest S. Goff	951 00
Frederick H. Googins	1,104 50
Myron S. Gott	1,109 50
Frank H. Graves	1,110 75
Walter L. Groves	981 50
Theodore E. Heron	1,092 00
Herbert Hilton	1,095 75
Edward J. Hopkins	984 00
Frank C. Hopkins	1,103 25
Ernest Howard	1,104 50
Hudson M. Howe	1,112 75
Charles S. Johnston	1,115 75
William H. Johnston	1,108 25
Frederick G. Jones	990 25
Edmund J. Keane	1,118 25
Michael T. Kennedy	1,102 00
William G. Kenney	987 75
Sanford S. Lewis	1,093 25
James M. Lynch	1,114 50
Bernard McCabe	955 00

Amount carried forward \$57,711 58

Amount brought forward	\$57,711 58
Patrick McGrath	844 25
Thomas F. McNamara	1,113 25
Peter Moore	930 00
Dennis G. Mulqueeny	1,001 50
Dennis Neylon	1,122 00
Francis A. Perkins	963 00
George A. C. Peters	1,116 00
James E. Phillips	1,108 25
Walter Reed	1,080 00
Charles W. Reick	1,015 75
George L. Rice	1,105 75
Martin Sharry	1,118 25
Daniel G. Simons	1,123 25
Lemuel J. Simons	1,100 75
Jacob W. Skinner	1,119 50
George L. Smith	1,092 00
Clyde W. Steeves	930 00
Charles W. Stevens	1,114 50
Henry A. Sudbey	1,124 50
William E. Taylor	908 75
Thomas P. Walsh	898 75
Eugene A. Woodsum	1,103 25
Harry C. Young	922 50
Drivers:—	
Edward E. Ware	910 00
Martin E. Driscoll	819 00
John J. Scannell	819 00
James F. Flynn	94 50
Retired list (half pay):—	
Melville C. Parkhurst	1,000 00
George W. Bean	546 00
Albion L. Staples	546 00
John E. Fuller	546 00
James J. Pollard	546 00
Ira S. Carleton	546 00
Special patrolmen:—	
Robert C. Brown	18 75
Colby Hawes	32 50
Frank O. Downer	6 25
Albert C. Hawes	2 50
Officers at polling places	80 00
Minnie F. Woodland, matron	183 25
American Towel Supply Co., towels supplied	50 50
Allen Brothers, supplies	9 95
American Express Co., expressing	2 75
L. H. Brown, carriage hire	32 00
Henry Barrett, photographs	38 00
D. J. Bennett, harness repairs	29 25
David Bruce, stop watch	13 00
Bostonian Laundry, washing	6 60
H. A. Brownell, blanket	1 50
S. W. Bennett, repairing police numbers,	2 10
Justin J. Bradshaw & Co., scrap book	2 25
Eugene A. Carter, disbursements	115 12
Henry F. Curtis, M. D., services	2 00
B. W. Carpenter, saddle horse	26 00
Amount carried forward	\$88,694 10

Amount brought forward	\$88,694 10
Charles S. Clark, dictionary and express	4 30
Clarendon Stable, boarding and supplies,	160 25
Thomas Damery, disbursements	114 82
George E. Damon Co., year book	2 00
Elmer E. Drew, disbursements	2 15
J. W. Denehy & Co., copy of liquor laws,	2 50
B. F. Freeman, photographs	4 00
Fred W. Farrar, repairs	2 25
Fresh Pond Ice Co., ice	32 05
Fitzherbert & Wing, newspapers	7 75
W. A. Greenough & Co., directory	12 00
Glines & Co., expressing	1 35
Globe-Wernicke Co., case and cards	24 60
Gilman Express Co., expressing	50
F. W. Hopkins, disbursements	96 11
Hobbs & Warren Co., stationery	51 90
James Harper & Co., furniture and repairs	28 40
Henry S. Harris & Son, harness	85 00
Edward J. Hopkins, disbursements	1 95
James M. Harmon, disbursements	93
Iver Johnson Sporting Goods Co., hand-cuffs and supplies	57 23
M. Linsky & Brothers, shoulder straps, etc.	108 03
Little, Brown & Co., law books	4 50
Lord & Webster, hay and grain	117 44
George W. Ladd, shoeing	22 00
Sanford S. Lewis, disbursements	20 90
Martin & Wood, fittings	6 45
Mary McEachern, meals for prisoners	31 00
Raphael Masstrangialo, police trimmings, etc.	63 60
Moseley Safe Co., work on safe	2 50
New England Telephone & Telegraph Co., service	213 18
Fulton O'Brion, hay, straw, etc.	102 46
Proctor Brothers, grain	86 20
A. P. Rockwood, storage, etc.	41 00
Ira L. Roberts, horseshoeing	121 25
F. W. Ramsey, M. D., medical services	4 00
Robart-Carleton Co., repairs	1 25
John B. Rufer, ambulance repairs	206 10
Somerville Journal Co., printing	135 45
Scoville Mfg. Co., buttons	33 75
R. C. Small & Co., wagon repairs	19 50
R. M. Sturtevant, horse and supplies	345 70
Parke Snow, bedding	32 15
Charles R. Simpson, veterinary services,	8 00
The Frank Shepard Co., Massachusetts citations	3 00
Malcolm E. Sturtevant, commitments	30 41
Somerville Post-office, postage	10 00
Idella A. Taylor, washing	32 40
Thorpe's Express, expressing	1 55
William J. Thompson & Co., hay	16 90
Nathan Tufts & Sons, grain	101 64
Underwood Typewriter Co., ribbons	2 00
Amount carried forward	\$91,310 50

Amount brought forward	\$91,310 50	
M. L. Vinal, envelopes	1 20	
Whitney & Snow, supplies	27 92	
Warrenton Woolen Co., cloth	247 22	
M. W. White, M. D., professional services	2 00	
H. A. Winship, saddle, etc.	48 75	
Charles Waugh & Co., ambulance and wagon repairs	52 94	
		<u>\$91,690 53</u>

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

CREDIT.

Appropriations, from Taxes, 1909	\$750 00	
Excess and Deficiency account, amount transferred	1,500 00	
		<u>\$2,250 00</u>
Excess and Deficiency account, balance transferred	514 77	
		<u>\$1,735 23</u>

DEBIT.

(Expenditures.)

Cash, paid John F. Biggs & Co., registers	\$175 00	
Wesley A. Maynard, printing and advertising	111 75	
Somerville Post-office, postage	39 00	
Somerville Evening Sun, advertising	5 00	
Somerville Journal Co., printing annual reports, etc.	1,399 48	
H. C. Whitcomb & Co., electros	5 00	
		<u>\$1,735 23</u>

Property and Debt Balance.

CREDIT.

Balance from 1908	\$3,835,583 03	
Public Property, property acquired in 1909	58,746 06	
Funded Debt, bonds matured	153,500 00	
		<u>\$4,047,829 14</u>

DEBIT.

Funded Debt, issue of 1909	\$190,000 00	
Balance to credit of account, 1910	3,857,829 14	
		<u>\$4,047,829 14</u>

Public Buildings Construction, Addition to Contagious Disease Hospital.

CREDIT.

Public Buildings Construction, Building Public Buildings account, amount transferred	\$7,000 00	
Balance to credit of account, 1910	2,937 60	
		<u>\$4,062 40</u>

DEBIT.

(Expenditures.)

Cash, paid D. A. Carr, on account of contract	\$150 00	
B. L. Makepeace, blue prints	5 15	
J. E. L. McLean, on account of contract	3,600 00	
Slade & Crawford, copying	7 25	
Whitten & Jackson, payment on account,	300 00	
		\$4,062 40

Public Buildings Construction, Bath House Addition.

CREDIT.

Public Buildings Construction, Building Public Buildings account, amount transferred	\$1,000 00
Public Buildings Construction, Building Public Buildings account, balance transferred	362 03
	\$1,362 03

DEBIT.

(Expenditures.)

Cash, paid B. L. Makepeace, blue prints	\$ 53	
William J. McCarthy Co., teaming sand, etc.	191 84	
J. Edward L. McLean, carpentering	558 93	
on account of contract	474 00	
George H. Wickes & Son, painting	125 23	
L. A. Wright, iron bands	11 50	
		\$1,362 03

Public Buildings Construction, Building Public Buildings.

CREDIT.

Balance from 1908	\$1,680 83
Appropriations, from Funded Debt, 1909	20,000 00
	\$21,680 83

Amounts transferred to the following:—

Public Buildings Construction:—	
Addition to Contagious Disease Hospital	\$7,000 00
Bath House Addition	1,000 00
Bath House Addition	362 03
Cummings School Sanitariums	1,500 00
Cummings School Sanitariums	14 25
Davis School Sanitariums	1,500 00
Davis School Sanitariums	81 72
High School Building	828 00
Highland School, Heating and Ventilating	7,000 00
Highland School, Heating and Ventilating	1,013 99
Public Library Construction, West Somerville Branch	449 52
Soldiers' Monument	515 83
	21,265 34

Balance to credit of account, 1910	\$415 49
	\$415 49

**Public Buildings Construction, Cummings
School Sanitarries.**

CREDIT.

Public Buildings Construction, Building Public Buildings account, amount transferred	\$1,500 00
Public Buildings Construction, Building Public Buildings account, balance transferred	14 25
	<hr/>
	\$1,514 25

DEBIT.

(Expenditures.)

Cash, paid John H. Adcock, on account of contract	\$150 00
plumbing	517 00
S. D. Hicks & Son, pipes, etc.	68 00
John Lingard, painting	91 60
J. Edward L. McLean, carpentering	409 49
George F. McKenna, teaming	5 00
A. W. Phillips, mason work	93 35
Simpson Brothers Corporation, laying asphalt floors	112 75
E. S. Sparrow & Co., hardware	59 36
Waldo Brothers, cement	2 70
	<hr/>
	\$1,514 25

**Public Buildings Construction, Davis School
Sanitarries.**

CREDIT.

Public Buildings Construction, Building Public Buildings account, amount transferred	\$1,500 00
Public Buildings Construction, Building Public Buildings account, balance transferred	81 72
	<hr/>
	\$1,581 72

DEBIT.

(Expenditures.)

Cash, paid F. C. Ayer, lumber	\$1 78
J. M. Andrews & Son, carpentering	163 46
S. D. Hicks & Son, pipes, etc.	305 00
B. L. Makepeace, blue prints	60
William J. McCarthy Co., mason work	156 90
Frank T. Murphy, painting, etc.	70 10
E. S. Stack & Co., plumbing	18 70
E. S. Stack, plumbing	680 00
Simpson Brothers Corporation, laying asphalt floors	185 18
	<hr/>
	\$1,581 72

Public Buildings Construction, High School Building.

CREDIT.

Public Buildings Construction, Building Public Buildings account, amount transferred	\$828 00
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DEBIT.

(Expenditures.)

Cash, paid F. C. Alexander, on account of contract	\$828 00
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**Public Buildings Construction, Highland School
Heating and Ventilating.**

CREDIT.

Public Buildings Construction, Building Public Buildings account, amount transferred	\$7,000 00
Public Buildings Construction, Building Public Buildings account, balance transferred	1,013 99
	<hr/>
	\$8,013 99

DEBIT.

(Expenditures.)

Cash, paid D. P. Bucknam, mason work	\$56 00
Cambridge Gas Light Co., piping	3 40
J. J. Hurley & Co., on account of con- tract	4,870 00
Charles H. M. Hunnewell, plumbing	112 79
H. W. Johns-Manville Co., covering boilers	95 00
J. E. Locatelli & Co., mason work	1,386 53
B. L. Makepeace, blue prints	2 90
G. F. McKenna & Son, teaming	62 50
J. Edward L. McLean, carpentering	1,394 14
	<hr/>
	\$7,983 26
Water Maintenance account, re-placing pipes	30 73
	<hr/>
	\$8,013 99

Public Buildings Maintenance, City Buildings.

CREDIT.

Appropriations, from Taxes, 1909	\$11,000 00
Excess and Deficiency account, balance transferred	2,029 19
	<hr/>
	\$13,029 19
County of Middlesex, rent of court room	600 00
Receipts:—	
Cash, received of Thomas Ormond, rent	\$120 00
Arthur Murley, rent	120 00
Walter T. Littlefield, bath house re- ceipts	426 66
B. Cohen, boiler	50 00
J. J. McCarthy, junk	24 57
	<hr/>
	741 23
	<hr/>
	\$14,370 42

DEBIT.

(Expenditures.)

Cash, paid F. C. Ayer, lumber	\$87 68
Andrews & Andrews, covering flue	5 00
American Steam Gauge & Valve Co., re- pairing	1 00
John Andrews, covering pipes and boiler,	30 00
American Express Co., expressing	20
Matthew M. Blount, repairing chair	2 25
Boston Varnish Co., varnish	24 00
	<hr/>
Amount carried forward	\$150 13

Amount brought forward	\$150 13
James Bartley, supplies	4 85
Baker School Specialty Co., umbrella stands	14 00
Boston Chemical Co., disinfectant	2 50
Patrick Bowdren, work on lawns	3 75
C. Bowen, carting lockers	5 60
Bliss Brothers, hardware	5 11
D. P. Bucknam, mason work	37 49
F. J. Butler, painting	75
Jackson Caldwell & Co., furniture	588 05
Cambridge Gas Light Co., gas	322 11
Cambridge Ice Co., ice	74 10
L. E. Clayton, cotton cloth	4 14
C. W. Cahalan, plumbing	46 07
Chandler & Farquhar Co., hardware	128 52
T. A. Cunningham, brush	50
M. P. Canfield, work on lawns	22 50
S. H. Davis & Co., hardware	13 13
James F. Davlin, plumbing	11 38
Derby Desk Co., furniture	269 00
Roger H. Ducey, making and repairing carpets, etc.	37 81
Davenport-Brown Co., bookcase sections	106 13
J. A. Durell, wringer	4 25
James Duncan, re-seating chairs	16 25
Edison Electric Illuminating Co., lighting	2,140 61
Enterprise Rubber Co., supplies	19 90
Austin Ford & Son Co., re-pointing steps	16 80
F. C. Fuller & Co., hardware	39 55
Fred W. Farrar, repairing clocks	13 00
Edwin Fitzgerald, custodian	324 00
Benjamin F. Freeman, photographs	9 00
Glines & Co., expressing	40
Gas Consumers' Association, service	28 00
Eugene Girroir, cleaning boilers, etc.	31 30
Gilman Express Co., expressing	1 55
Globe-Wernicke Co., bookcase	57 00
C. E. Gosse, repairing roof	135 82
Walter J. Godfrey, painting	269 24
Hemeon Brothers, carpentering	45 44
Highland Coal Co., coal	1,221 24
Hodge Boiler Works, guards	50
William S. Howe, oakum	10 93
J. J. Hurley & Co., steamfitting	43 22
E. Howard Clock Co., clocks	76 00
R. Hull, oil	24
L. M. Ham & Co., hook	30
James Harper & Co., repairing furniture	23 40
S. D. Hicks & Son, repairing roofs	135 00
William J. Hanson, plumbing	3 40
Thomas J. Hinds, granolithic walk	110 00
Robert L. Howland, carpentering	33 69
Iver Johnson Sporting Goods Co., bathing suits, etc.	134 10
Amount carried forward	<u>\$6,796 75</u>

Amount brought forward	\$6,796 75
Frank O. Johnson, plumbing	38 75
James Kenney, carpentering	3 28
Jarvis Engineering Co., grate	10 40
George T. Johnson & Co., toilet paper	11 50
H. W. Johns-Manville Co., covering pipes	255 00
Miss M. A. Jackson, repairing bathing stockings	9 00
James Kenney, carpentering	116 44
Knott & Co., electrical work	579 43
T. E. Littlefield, lumber	96 22
William Leavens & Co., costume poles	228 00
Library Bureau, furniture	180 00
C. A. Legallee, piping	34 32
S. P. Larsen, roofing	36 30
Martin & Wood, keys	4 20
C. F. Mills, carpentering	384 23
G. F. McKenna & Son, teaming	16 75
B. L. Makepeace, plans	9 11
William J. McCarthy & Co., teaming	629 38
J. E. L. McLean, carpentering	334 95
George W. Manning, splicing halyards	16 00
McKenney & Waterbury Co., desk lights	98 00
Wesley A. Maynard, printing	4 00
McLean & Cousens, steamfitting	12 43
Mellish & Byfield Mfg. Co., altering desk	8 75
Monarch Typewriter Co., table	5 00
Morgan Drug & Chemical Co., dust layer	4 00
New England Towel Supply Co., towels supplied	78 00
Norton Door Check Co., door check	6 50
W. E. Plumer & Co., hardware	13 67
Prescott Brothers, brush	85
Pittsburg Plate Glass Co., glass	6 32
A. W. Phillips, mason work	14 51
Pearlstein & Sons, clock	3 00
George L. Robinson, painting	234 02
W. P. Rice, lumber	2 13
George H. Rupert & Co., sweeper spring	60
George B. Robbins & Co., disinfectant	15 15
Roberts Iron Works Co., grates	10 52
Simpson Brothers Corporation, laying floors	800 57
E. S. Sparrow & Co., hardware	215 15
Standard Charcoal Co., charcoal	30 00
Somerville Coal Co., coal	94 20
C. A. Southwick, extra janitor's ser- vices	50 00
Mrs. Charles Southwick, cleaning	5 85
Savage & Son, teaming	1 50
Sanitary Dust Removing Co., cleaning carpets	65 00
Toppa Boat Mfg. Co., oars	1 50
C. L. Underhill, repairing	5 30
Amount carried forward	<u>\$11,576 53</u>

Amount brought forward	\$11,576 53	
Underhill Hardware Co., hardware	9 80	
Walsh Brothers, mason work	400 53	
Wellington-Wild Coal Co., fuel	1,740 07	
William J. Wiley, plumbing	107 49	
A. J. Wilkinson & Co., repairing tools	1 75	
John M. Woods & Co., lumber	28 29	
Wadsworth, Howland & Co., paint	23 00	
G. A. Walker Co., stuffing box	65	
H. G. White, electrical work	161 02	
Whitney & Snow, hardware	16 24	
Arthur W. Walker, repairing clock	3 00	
Mrs. M. J. Whitney, repairing flag	1 00	
West Disinfecting Co., disinfectant	7 50	
Asahel Wheeler Co., chamois skins	1 40	
H. W. Waite & Co., dust layer	15 00	
Henry A. Wheeler Co., awning	17 75	
White Laundry Co., laundering	187 36	
A. M. Wood Co., iron bars, etc.	2 45	
Western Electric Co., supplies	27 50	
Walker & Pratt Mfg. Co., stove	22 00	
		<hr/>
	\$14,350 33	
Highways Maintenance account, coal, etc.,	14 78	
Water Maintenance account, pipe	5 31	
		<hr/>
		<u>\$14,370 42</u>

Public Buildings Maintenance, Fire Department.

CREDIT.

Appropriations, from Taxes, 1909	\$5,000 00
Excess and Deficiency account, balance transferred	1,081 78
	<hr/>
	\$6,081 78

DEBIT.

(Expenditures.)

Cash, paid F. C. Ayer, lumber	\$214 15
John H. Adcock, plumbing	1 65
Braman, Dow & Co., steamfitting	5 88
William E. Bucknam, mason work	74 07
Patrick Bowdren, work on lawns	8 75
F. J. Butler, painting	136 50
Arthur W. Berry, carpenter work	124 12
Jackson Caldwell & Co., furniture	357 10
Cambridge Gas Light Co., gas	40 14
Carlisle-Ayer Co., doors	14 10
Charlestown Gas & Electric Co., gas	42 39
T. A. Cunningham, brushes	40
Davenport-Brown Co., lumber	20 82
F. H. Dunning & Co., shades	22 00
J. A. Durell, plumbing	4 04
Edison Electric Illuminating Co., light- ing	1,082 78
Albert B. Franklin, grates	5 30
J. J. Fisher, plumbing	4 76
	<hr/>
Amount carried forward	\$2,158 95

Amount brought forward	\$2,158 95	
Fred W. Farrar, repairing clock	5 00	
Gurney Heater Mfg. Co., grate bar	1 25	
Gilman Express, expressing	15	
J. H. Gerlach Co., sheathing	9 60	
Eugene Girroir, steamfitting	4 00	
Highland Coal Co., fuel	342 21	
Hodge Boiler Works, repairing boiler	10 00	
Charles H. M. Hunnewell, plumbing	38 70	
J. J. Hurley & Co., steamfitting	15 03	
S. D. Hicks & Son, repairing venti- lators	20 00	
Frank O. Johnson, plumbing	145 68	
James Kenney, carpentering	39 36	
T. E. Littlefield, lumber	128 40	
S. P. Larsen, repairing roof	231 00	
C. A. Legallee, cleaning drain	4 97	
Charles F. Mills, carpentering	210 30	
George W. Manning, work on flagstaff	42 75	
George F. McKenna, teaming	5 13	
A. M. Morton & Co., steamfitting	1 09	
G. F. McKenna & Son, teaming	75	
James W. O'Neil, plumbing	15 85	
A. W. Phillips, mason work	85 97	
W. E. Plumer & Co., hardware	18 31	
Pittsburg Plate Glass Co., glass	1 93	
George L. Robinson, painting	416 07	
John B. Rufer, bolts	15 51	
Roberts Iron Works Co., repairing boiler	4 80	
C. H. Sanborn, steamfitting	12 65	
Somerville Coal Co., fuel	310 40	
E. S. Sparrow & Co., hardware	15 05	
W. A. Snow Iron Works, pipe, etc.	43 88	
John Stackpole, carpentering	189 45	
Underhill Hardware Co., hardware	16 96	
C. L. Underhill, supplies	1 50	
Wellington-Wild Coal Co., fuel	1,373 24	
William J. Wiley, pipe	42 43	
John M. Woods & Co., lumber	28 29	
Waldo Brothers, bricks	4 45	
Asahel Wheeler Co., paint, etc.	18 18	
Whitney & Snow, hardware	34 79	
H. W. Waite & Co., disinfectant	7 75	
Frederick B. Witherley, grates	10 00	
		<u>\$6,081 78</u>

Public Buildings Maintenance, Janitors' Salaries.

CREDIT.

Appropriations, from Taxes, 1909	\$30,000 00
Excess and Deficiency account, balance transferred	921 80
	<u>\$30,921 80</u>

DEBIT.

(Expenditures.)

Cash, paid janitors' salaries	<u>\$30,921 80</u>
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Public Buildings Maintenance, Schoolhouses.

CREDIT.

Appropriations, from Taxes, 1909		\$34,000 00
Excess and Deficiency account, balance transferred		6,447 55
		<hr/>
		\$40,447 55
Stock and labor billed other departments:—		
School Contingent account, telephone tolls		16 86
Receipts:—		
Cash, received of Walter T. Littlefield, telephone tolls	\$84 05	
Mrs. E. H. Norrby, gas	13 41	
Sundry persons, use of ward rooms	38 00	
Sundry persons, damage to property	2 55	
	<hr/>	138 01
		<hr/>
		\$40,602 42

DEBIT.

(Expenditures.)

Cash, paid American Radiator Co., air valves	\$11 73
Armour & Co., washing powder	30 03
Armstrong Brothers, plumbing	81 76
American Express Co., expressing	95
American Steam Packing Co., packing	8 05
J. M. Andrews & Son, carpentering	160 83
T. Allen, repairing walks	159 75
American School Board Journal, journal	1 00
Ashton Valve Co., repairing valve	5 50
John H. Adcock, plumbing	3 10
F. C. Ayer, lumber	92 88
American Seating Co., school furniture, American Steam Gauge & Valve Mfg. Co., supplies	244 80
Edward H. Barter, repairing clocks	2 50
Matthew Blunt, repairing chairs	10 50
Boston Feather Duster Co., dusters	22 50
J. A. Bremner, frames and glass	104 66
W. E. Bucknam, plastering	94 75
Blodgett Clock Co., repairing clocks	4 20
Boston Steam Specialty Co., supplies	46 45
H. C. Bradford, janitor's service	30
D. J. Bennett, strap	1 50
A. & E. Burton Co., brushes	1 75
Baker School Specialty Co., repairing blackboards	75 00
William F. Barker, tools	218 83
Boston Varnish Co., varnish	59 37
P. Bowdren, work on lawns	48 00
Burbank & Ryder Varnish Co., varnish, Broad Gauge Iron Works, gilded ball	259 99
C. C. Bailey Co., carpet	21 00
J. E. Bell, repairing blackboards	3 00
D. P. Bucknam, mason work	113 57
John P. Burke, mason work	27 39
Frank J. Butler, painting	218 30
	172 65
	103 15
	<hr/>
Amount carried forward	\$2,409 74

Amount brought forward	\$2,409 74
Bay State Belting Co., belting, etc.	42 30
J. F. Brown, repairing clock	1 50
Bartholomew Burke, laying drain	6 85
D. F. Burke, mason work	491 83
Jackson Caldwell & Co., furniture	859 32
Cambridge Gas Light Co., gas	974 70
Carlisle-Ayer Co., lumber, etc.	17 80
T. A. Cunningham, flue brushes	6 75
C. W. Cahalan, plumbing	391 53
Daniel T. Campbell, plumbing, etc.	2 50
A. L. Carpenter, brushes	40 00
Chapman Valve Co., plugs	2 40
Charlestown Gas & Electric Co., gas	549 09
George A. Coombs, janitor's service	1 50
Cotter's Express, expressing	25
John A. Cremen, janitor's service	1 50
L. E. Clayton, supplies	2 50
T. F. Crimmings, repairing drain	129 82
Crosby Steam Gage & Valve Co., gage,	2 50
Cudahy Packing Co., soap polish	7 50
W. W. Calkin, carpentering	47 50
John Cremen, weighing coal	50 00
E. P. Cook, disbursements	6 00
R. W. Doe, plumbing	45 14
Dalton-Ingersoll Mfg. Co., drinking fountains, etc.	237 70
Thomas C. Dame, janitor's service	75
Davenport-Brown Co., lumber	51 21
J. H. Derby, repairing clocks	6 50
Julian D'Este Co., gaskets	7 10
J. A. Durell, supplies	45
James F. Davlin, plumbing	35 35
F. H. Dunning & Co., shades	8 00
Roger H. Ducey, making and repairing carpets, etc.	73 52
S. H. Davis Co., locks, etc.	67 85
H. N. Dearborn, painting	56 75
Alexander Duncan Co., steamfitting	14 80
James Duncan, re-seating chairs	9 40
Ellsworth S. Ernst, carpentering	46 22
Edison Electric Illuminating Co., light- ing	2,571 44
Enterprise Rubber Co., gaskets	47 07
F. C. Fuller & Co., hardware	62 56
Fred W. Farrar, repairing clocks	23 50
J. H. Fannon, concrete work	262 20
Austin Ford & Son Co., mason work	39 20
Fairbanks Co., wheels for trucks	70
J. D. Ford, painting	30 97
Fuller & Warren Co., grate	6 75
Glines & Co., expressing	17 40
Charles Gallaway, janitor's service	6 00
Gas Consumers' Association, service	42 00
Thomas Groom & Co., stationery	5 50
Eugene Girroir, labor	192 00
Walter J. Godfrey, painting	109 58
C. E. Gosse, gutters	66 20
Gilman Express Co., expressing	50
Amount carried forward	\$10,189 69

Amount brought forward	\$10,189 69
Hercules Iron & Supply Co., sinks	4 75
Highland Coal Co., fuel	1,697 03
Hodge Boiler Works, repairing boilers	77 54
William S. Howe, pails	6 75
R. Hull, oil	44 88
Charles H. M. Hunnewell, plumbing	61 99
J. J. Hurley & Co., steamfitting	670 97
Hemeon Brothers, carpentering	115 03
Charles A. Horton, janitor's service	75
E. Horne, mason work	14 75
William J. Hanson, repairing valves	85 36
Edgar O. Hunt, plumbing	21 80
S. D. Hicks & Son, roofing	1,210 00
James Harper & Co., repairing furniture	24 25
B. E. Higgins, mason work	118 53
Robert L. Howland, carpentering	14 18
Heyward Brothers & Wakefield Co., ink wells	2 00
Alfred H. Hines, mason work and carpentering	69 45
Hartford Steam Boiler Inspection & Insurance Co., insurance	17 00
H. James & Son, soap	1 50
Jenkins Brothers, discs	3 81
H. W. Johns-Manville Co., covering pipes	177 16
Frank O. Johnson, plumbing	212 95
Johnson Service Co., steamfitting	45 60
E. & F. King & Co., soda ash	5 30
Martha Jackson, repairing flags	8 00
Mrs. M. A. Jackson, repairing ensigns	11 00
Frank J. Jameson, sponges	21 34
Kenney Brothers & Wolkins, furniture,	1,134 20
Mrs. Clara Kenney, cleaning	220 06
James Kenney, carpentering	305 04
E. S. Kearney, sawdust	15 50
Knott & Co., electric work	561 17
John Kennedy, mason work	361 88
E. F. King & Co., soda ash	10 12
S. P. Larsen, roofing	325 42
T. E. Littlefield, lumber	31 51
Howard Lowell & Son, board of horse,	320 50
George W. Libbey, janitor's service	75
John Lingard, painting, etc.	148 25
J. E. Locatelli & Co., mason work	194 57
Walter T. Littlefield, disbursements	15 00
C. A. Legallee, labor, etc.	23 70
George W. Ladd, jobbing	1 60
Martin & Wood, keys, etc.	12 50
George McDormand, horseshoeing	17 50
George F. McKenna & Son, teaming	125 66
J. E. L. McLean, carpentering	614 62
A. M. Morton & Co., steamfitting	11 98
Charles F. Mills, carpentering	318 15
George A. McGunnigle, janitor's service,	2 25
Amount carried forward	<u>\$19,705 39</u>

Amount brought forward	\$19,705 39
George W. Manning, work on flagstaff	\$147 50
(Cash)	12 00
	<hr/>
	135 50
Morgan Drug & Chemical Co., dust layer	23 00
C. W. H. Moulton Co., brooms	35 30
J. C. McLean, furniture	36 75
McLean & Cousens, steamfitting	21 88
Daniel McIntyre, labor, etc.	27 73
J. C. Miers & Son, roofing	88 37
Franklin B. Miller, repairing, etc.	3 60
New England Telephone & Telegraph Co., service	583 83
Norton Door Check Co., supplies	3 33
J. F. O'Brien, janitor's services	3 75
James W. O'Neil, plumbing	9 23
L. A. Penney, carpentering	34 25
Perham's express, expressing	1 30
Pittsburg Plate Glass Co., glass	149 49
W. E. Plumer & Co., hardware	111 38
William H. Page Boiler Co., supplies	1 20
O. M. Pote, janitor's services	9 75
A. W. Phillips, mason work	499 05
A. G. Renner, expressing	55
George L. Robinson, painting	278 21
W. P. Rice, lumber	5 49
J. W. Rich, janitor's service	75
John B. Rufer, iron work	6 85
Roberts Iron Works Co., arch plates, etc.	531 30
F. M. Rogers & Co., painting	774 98
C. H. Sanborn, steamfitting	1,390 59
Shepard, Clark & Co., floor brushes	204 00
E. S. Sparrow & Co., hardware	70 92
Standard Charcoal Co., charcoal	36 00
B. F. Sturtevant & Co., repairing engine,	43 50
Somerville Coal Co., fuel	1,791 01
John Shea, janitor's service	3 75
George W. Stacey, janitor's service	75
Schultz Belting Co., belting	3 38
P. Sutherland & Co., oil and waste	45 73
W. A. Snow Iron Works, wire fence	252 50
Frank E. Seavey, roofing	47 14
John Stackpole, carpentering	93 01
J. C. H. Snow, lumber	155 43
T. A. Sallaway, lantern	60
Somerville Brush Co., mop handles and brushes	13 00
E. S. Stack & Co., plumbing	3 70
E. H. Tarbell Co., shade	68
Thorpe's Express, expressing	75
Underhill Hardware Co., hardware	191 29
C. L. Underhill, repairing	16 50
Arthur W. Walker, repairing clock	10 50
Walsh Brothers, mason work	77 35
D. W. Webster, repairing chairs	24 15
Wellington-Wild Coal Co., fuel	11,470 67
Western Electric Co., plugs	36
	<hr/>
Amount carried forward	\$39,034 52

Amount brought forward	\$39,034 52	
Asahel Wheeler Co., paint	50 43	
H. G. White, electrical work	441 83	
Mary J. Whitney, mending flags, etc.	10 00	
Whitney & Snow, hardware	67 67	
H. W. Waite & Co., floor oil, etc.	265 40	
G. A. Walker Co., bolts	5 51	
Walters Governor Co., supplies	2 50	
Henry R. Worthington, plumbing supplies	11 00	
Waldo Brothers, teaming, etc.	21 90	
Frederick B. Witherley, grate	2 52	
Wade Metal Polish Co., polish	1 25	
I. B. Walker & Co., bands for flagpole	1 75	
George A. Weld Co., steamfitting	44 60	
Henry A. Wheeler & Co., ensigns	36 15	
A. J. Wilkinson & Co., springs	2 55	
William J. Wiley, plumbing	53 26	
West Disinfecting Co., disinfectant	15 00	
G. A. Walker, painting	109 00	
Whitten & Jackson, steamfitting	80 02	
John K. Wells, labor	27 00	
L. A. Wright, repairing	3 75	
		<hr/>
	\$40,287 61	
Highway Betterment Assessments account, assessment	66 73	
Sidewalk Assessments account, assessment,	211 79	
Water Maintenance account, replacing and repairing pipes	36 29	
		<hr/>
		\$40,602 42

Public Grounds.

CREDIT.

Appropriations, from Taxes, 1909	\$11,750 00
Excess and Deficiency account, balance transferred	18 84
	<hr/>
	\$11,731 16
Stock and labor billed other departments:—	
Sidewalks Construction account, circles	108 69
Receipts:—	
Cash, received of Somerville High School Athletic Association, labor and materials	\$352 15
Boston Elevated Railway Co., part maintenance Broadway parkway	50 00
Richard Coughlan, lawn mower	1 00
Dennis Neylon, lawn mower	1 00
	<hr/>
	404 15
	<hr/>
	\$12,244 00

DEBIT.

(Expenditures.)

Cash, paid laborers	\$6,962 19
F. C. Ayer, lumber	134 54
T. Allen, grading	75 00
	<hr/>
Amount carried forward	\$7,171 73

Amount brought forward	\$7,171 73
D. J. Bennett, repairing	30 75
Charles E. Berry, labor and materials	110 35
Barrett Mfg. Co., tarvia	552 40
Boulevard Auto Co., use of car	30 00
Barbour-Stockwell Co., castings	4 50
Philip Bornstein, hay	39 00
William F. Chester & Co., ladder rounds,	3 00
Davenport-Brown Co., cedar posts, etc.,	9 56
J. A. Durell, hardware	24 79
J. J. Fisher, plumbing	10 40
Fellows & Co., swings, etc.	61 96
Thomas J. Grey & Co., mower knife, etc.	6 00
A. C. Gordon, glazing	5 75
Glines & Co., expressing	15
Hemeon Brothers, carpentering	249 83
J. W. Howard, plants	1,013 51
Highland Coal Co., lime	10 00
Iver Johnson Sporting Goods Co., sup- plies	8 15
E. S. Kearney, sawdust	8 75
F. W. Kimball, ash slats	17 85
Martin & Wood, sharpening	29 00
George W. Manning, work on halyards and swings	42 50
William J. McCarthy & Co., crushed stone	251 69
Arthur F. Moynahan, plumbing	3 45
Charles F. Mills, carpentering	3 00
New England Brick Co., bricks	3 60
Fulton O'Brien, salt	1 45
Parker Brothers, repairing water pipe,	2 00
W. E. Plumer & Co., rope	43 46
George G. Page Box Co., stakes	2 00
John B. Rufer, rods, etc.	65 45
E. S. Sparrow & Co., hardware	32 80
M. A. Simpson, sand	2 00
Somerville Iron Foundry, trap	1 80
James Tevlin, use of teams	1,133 53
Robert Travers, repairing flag	2 00
Underhill Hardware Co., supplies	63 90
Walter A. Wood Mowing & Reaping Machine Co., repairs	7 50
Henry A. Wheeler & Co., ensigns	13 62
Whitney & Snow, hardware	191 23
I. B. Walker, repairing	46 11
Wright & Ditson, bases, etc.	28 00
Woodland Park Hotel, dinners	27 00
Walsh Brothers, spraying	183 91
L. A. Wright, repairing	8 75
	<hr/>
	\$11,553 28
City Engineer account, services	200 00
Highways Maintenance account, labor, etc.,	309 52
Sewers Maintenance account, labor and materials	84 88
Water Maintenance account, stock and labor	91 32
	<hr/>
	\$12,244 00

Public Library.

CREDIT.	
Appropriations, from Taxes, 1909	\$16,000 00
County of Middlesex, dog licenses	3,796 11
	<hr/>
	\$19,796 11
Stock and labor billed other departments:—	
Public Library, West Somerville Branch, catalogues, etc.	19 92
Receipts:—	
Cash, received of Sam Walter Foss, Librarian:—	
books	\$93 86
fines	667 40
telephone tolls	7 24
	<hr/>
	768 50
Somerville Y. M. C. A. books	2 21
	<hr/>
	\$20,586 74

DEBIT.	
(Expenditures.)	
Cash, paid Sam Walter Foss, salary as	
librarian	\$2,500 00
disbursements	35 00
Florence D. Hurter, assistant librarian,	800 00
Esther Mayhew, cataloguer	700 00
Edith B. Hayes, assistant cataloguer	600 00
Anna L. Stone, assistant	650 00
Mabel E. Bunker, assistant	731 60
Mary S. Woodman, assistant	650 00
Bessie L. Duddy, assistant	600 00
Nellie M. Whipple, assistant	250 00
Alice W. Sears, assistant	600 00
Florence M. Barber, assistant	600 00
A. Myrtle Merrill, assistant	375 03
Ethel M. Nute, assistant	91 64
Ruby G. White, assistant	120 79
Bessie S. Cobb, assistant	60 39
Louise Thiery, assistant	75 00
Saxton C. Foss, assistant	55 20
Cecil M. Barlow, assistant	115 65
William E. Bagster, assistant	191 70
Edgar L. Kaula, assistant	125 45
Harry Benson, assistant	35 64
Stanley M. Bowlby, assistant	15 70
Richard Barlow, assistant	8 50
Oscar H. Cederlund, assistant	6 95
A. L. A. Publishing Board, books	2 10
American Express Co., expressing	52 93
American Library Association, member- ship	5 00
John R. Andrews Co., books	64 95
A. R. Andrews, supplies	7 63
American Educational Co., books	3 50
American Political Science Association, books	3 00
Frank W. Atwood, supplies	8 00
Robert Appleton Co., books	36 00
John R. Anderson Co., books	77 51
	<hr/>
Amount carried forward	\$10,254 86

Amount brought forward	\$10,254 86
William Abbott, periodicals	11 50
American Photo. Text-book Co., books,	30 00
American Academy of Political and So- cial Science, book	5 00
Theodore Andel & Co., books	2 80
William E. Bagster, express	4 50
Cecil M. Barlow, expressing	32 85
R. E. Bisbee, books	3 37
Stanley M. Bowlby, expressing	75 60
Balch Brothers Co., books	6 00
The Burrows Brothers Co., books	14 38
Boston Book Co., books	12 45
Boston Music Co., music books	10 48
Brentano's, books	10 97
Brown's Express, expressing	1 30
George H. Blake, book	75
George T. Bailey, periodicals	13 91
Boston Suburban Book Co., book	1 50
The Bowker Torrey Co., lettering	18 08
Albert Britnell, books	6 90
Burnham's Antique Book Store, books,	2 00
Edward E. Babb & Co., books	4 95
F. G. Basette Co., books	15 95
Justin J. Bradshaw & Co., supplies	1 75
Cambridge Ice Co., ice	19 35
Charles W. Clark Co., books	72 75
W. B. Clarke Co., books	730 75
College Bindery, binding	543 03
Current Literature Publishing Co., peri- odical	25
Cedric Chivers, books	62 28
Frank W. Collier, books	68
Carnegie Library, books	11 00
E. J. Cambridge, postage	14 00
Carter, Rice & Co., supplies	35
Arthur H. Clark Co., books	6 30
Chivers Bookbinding Co., books	94 38
Chapple Publishing Co., books	6 47
Olin S. Davis, supplies	56 50
Desmond Publishing Co., books	119 75
Oliver Ditson Co., music books	48 30
George E. Damon Co., year book	2 00
Dodd, Mead & Co., book	4 50
Dennison Mfg. Co., supplies	94
DeWolfe, Fiske & Co., books	574 55
Frederick J. Drake & Co., books	8 00
Essex Institute, periodical	2 00
Educational Review, periodical	35
Charles Evans, book	15 00
Engineering News Publishing Co., books	18 47
T. T. Fryer, books	41 00
David Farquhar, binding	666 11
Fitzherbert & Wing, periodicals	20 50
Benjamin F. Freeman, photographs	25 50
Gilman Express Co., expressing	105 91
Glines & Co., expressing	11 80
Amount carried forward	<u>\$13,824 62</u>

Amount brought forward	\$13,824 62
Herman Goldberger, periodicals	441 81
H. J. Graham, books	1 50
Thomas Groom & Co., stationery	59 17
Ginn & Co., books	55 04
W. A. Greenough & Co., books	14 00
Globe Stamp Works, supplies	2 45
Goodspeed's Book Shop, book	2 00
The Grafton Press, books	2 15
Granite State Publishing Co., books	3 50
O. S. M. Haskell, agency	107 57
Heaton's Agency, books	1 25
D. C. Heath & Co., books	5 75
H. R. Huntting Co., books	97 06
Houghton Mifflin Co., books	38 50
L. A. E. Harding, agency	14 47
S. Henry Hadley, music books	1 13
Hildreth Family Association, book	1 00
J. L. Hammett Co., books	33 63
Inventive Age, periodical	50
E. W. Johnson, books	13 70
Journal of American History, periodical,	3 00
H. A. Kent, binding	20 00
W. A. Keating, books	79 76
George H. Kent, books	90
John Lane, periodical	2 50
Little, Brown & Co., books	1,604 32
Lothrop, Lee & Shepard Co., books	92 33
Lexington Book Shop, books	2 50
Library of Congress, cards	75 00
C. S. Lombard & Co., agency	41 11
C. F. Libbie & Co., books	6 76
Library Bureau, stamps and supplies	48 32
J. B. Lippincott Co., books and peri- odicals	8 13
George E. Littlefield, books	64 65
Charles E. Lauriat Co., books	1,256 72
The Macmillan Co., books	7 86
McDevitt-Wilson, books	82 07
S. F. McLean, books	3 50
Henry Malkan, books	22 03
Municipal Journal, books	5 00
Wesley A. Maynard, printing	17 00
Moody Manual Co., books	10 00
F. B. McDewell, books	2 50
Medford Historical Society, periodical	1 25
H. D. Martin, books	1 00
Mt. Tom Press, books	1 25
Marshall, Son & Co., supplies	11 15
Massachusetts Magazine, periodical	6 00
National Educational Association, books	2 00
New England Telephone & Telegraph Co., service	42 71
Niel Morrow Ladd Book Co., books	7 75
New York & New England Publishing Co., books	50 80
National Book Cover Co., supplies	2 70
Neostyle Co., repairs	7 85
Amount carried forward	\$18,311 32

Amount brought forward	\$18,311 32
Old Corner Book Store, books	51 40
Outing Publishing Co., periodical	25
Oliver Typewriter Co., supplies	17 62
Perham's Express, expressing	17 20
Publishers' Weekly, periodicals	15 50
G. P. Putnam's Sons, books	9 73
The Pandex Co., periodical	10 00
The Prince Society, books	10 00
Poor's Railroad Manual Co., book	10 00
Pilgrim Press, periodical	2 50
S. A. Riker, agency	8 23
Harry J. Ramsey, agency	260 00
Review of Reviews, books	6 00
Rudder Publishing Co., periodical	50
Ritter & Flebbe, books	17 26
Charles S. Robertson, insurance	67 50
Rand, McNally & Co., books	22 63
A. J. Renner, expressing	50
P. B. Sanford Co., binders	481 63
Charles Scribner's Sons, books	54 64
Somerville High School Radiator, peri- odical	75
Somerville Journal Co., printing	560 16
Superintendent of Documents, books	2 00
C. A. Southwick, Jr., expressing	11 90
Schoenhof Book Co., books	104 21
Charles I. Shepard, books	9 50
Sampson & Murdock Co., directory	6 00
Theo. E. Schulte, book	7 70
Somerville Historical Society, periodical,	3 00
R. E. Sherwood, books	18 13
The Smith Book Co., books	14 00
The System Co., book	2 00
Sprague & Hathaway Co., picture frame,	90
Silver Lotus Shop, book	1 60
Southern Publication Society, books	40 00
Somerville Post-office, postage	25 00
Tabard Inn Book Co., books	3 80
C. W. Tibbetts, periodical	1 00
Topsfield Historical Society, periodical,	92
Thorpe's Express, expressing	50
Torch Press, book	10 00
Underhill Hardware Co., supplies	4 23
Underwood & Underwood, stereograph,	19
Union Library Association, books	59 02
University of Chicago Press, book and periodical	5 55
M. L. Vinal, agency and supplies	73 66
Williams & Neiley, printing	58 50
H. W. Wilson Co., books	26 00
World's Scrap Book Co., supplies	3 50
R. H. White Co., books	29 56
Samuel Ward Co., supplies	11 78
The Wage Earner, periodical	1 00
H. C. White Co., stereographs	16 67
John Wiley & Sons, books	4 14
A. J. Wilkinson & Co., supplies	1 25
Alice M. Young, agency	88 51
Yale University Press, books	4 45
Zion's Herald, periodical	1 25

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

	CREDIT.	
Balance from 1908		\$100 00
	DEBIT.	
Balance to credit of account, 1910		<u>\$100 00</u>

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

	CREDIT.	
Receipts:—		
Cash, income from invested funds		\$4 40
	DEBIT.	
Balance of account unused, carried to 1910		<u>\$4 40</u>

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

	CREDIT.	
Balance to debit of account, 1910		\$100 00
	DEBIT.	
Balance from 1908		<u>\$100 00</u>

Public Library, Isaac Pitman Fund, Art.

	CREDIT.	
Balance from 1908		\$4,251 66
	DEBIT.	
Balance to credit of account, 1910		<u>\$4,251 66</u>

Public Library, Isaac Pitman Fund, Poetry.

	CREDIT.	
Balance from 1908		\$1,062 92
	DEBIT.	
Balance to credit of account, 1910		<u>\$1,062 92</u>

Public Library, Isaac Pitman Fund, Income, Art.

	CREDIT.	
Balance from 1908		\$35 62
Receipts:—		
Cash, income from invested funds	\$240 00	
Interest on deposits	20 40	
	<u>260 40</u>	
		<u>\$296 02</u>
Balance of account unused, carried to 1910		127 27
		<u>\$168 75</u>

DEBIT.

(Expenditures.)

Cash, paid Desmond Publishing Co., books,	\$12 00	
T. T. Fryer, books	24 00	
Goodspeed's Book Shop, etched portrait	3 60	
Charles E. Lauriat Co., books	8 24	
Library Art Club, membership	6 00	
Little, Brown & Co., books	9 89	
Manhattan Book Store, books	1 50	
McDevitt-Wilson, books	27 00	
Old Corner Book Store, books	2 50	
Ritter & Flebbe, books	25 00	
Francis M. Tilton, stereographs	21 00	
Underwood & Underwood, stereographs	8 80	
H. C. White Co., stereographs	19 22	
		<u>\$168 75</u>

Public Library, Isaac Pitman Fund, Income, Poetry.

CREDIT.

Balance from 1908		\$24 29
Receipts:—		
Cash, income from invested funds	\$60 00	
Interest on deposits	5 10	
		<u>65 10</u>
		\$89 39
Balance of account unused, carried to 1910		<u>34 26</u>
		\$55 13

DEBIT.

(Expenditures.)

Cash, paid W. B. Clarke & Co., books	\$2 19	
Dodd, Mead & Co., books	6 15	
DeWolfe, Fiske & Co., books	2 92	
Charles E. Lauriat Co., books	25 14	
Little, Brown & Co., books	11 73	
Old Corner Book Store, books	4 00	
Charles I. Shepard, books	3 00	
		<u>\$55 13</u>

Public Library, Isaac Pitman Fund, Investment Account.

CREDIT.

Balance to debit of account, 1910		\$5,314 58
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DEBIT.

Balance from 1908		<u>\$5,314 58</u>
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Public Library, West Somerville Branch.

CREDIT.

Appropriations, from Taxes, 1909		\$2,500 00
Receipts:—		
Cash, received of Nellie M. Whipple, custodian:—		
fines	\$126 52	
books	4 95	
telephone tolls	1 80	
	<hr/>	133 27
		<hr/>
		\$2,633 27

DEBIT.

(Expenditures.)

Cash, paid Nellie M. Whipple, custodian	\$408 35
Ethel M. Nute, assistant	175 00
Irma R. Christopher, assistant	60 39
Annie M. Currie, assistant	95 50
Bessie S. Cobb, assistant	58 31
Alice Hunnewell, assistant	6 90
Ronald Moore, assistant	43 99
Louise Thiery, assistant	4 58
Harold Currie, assistant	2 50
John R. Anderson Co., books	30 71
Frank W. Atwood, supplies	4 00
Cambridge Ice Co., ice	5 00
Carter, Rice & Co., supplies	3 00
Chivers Book Binding Co., books	30 74
Harold Currie, expressing	24 40
Charles W. Clark Co., books	18 70
W. B. Clarke Co., books	212 69
Dodd, Mead & Co., books	1 50
DeWolfe, Fiske & Co., books	76 01
Dennison Mfg. Co., stationery	1 16
David Farquhar, binding	209 81
Globe Stamp Works, supplies	4 15
Herman Goldberger, periodicals	147 38
W. A. Greenough & Co., directory	4 00
Thomas Groom & Co., stationery	13 83
Caroline L. Himebaugh, books	26 67
H. R. Hunting Co., books	67 98
W. A. Keating, books	17 29
Kimball Brothers, books	5 75
Library Bureau, cards	33 12
Little, Brown & Co., books	204 06
Lothrop, Lee & Shepard, books	90
Charles E. Lauriat Co., books	71 16
McDevitt-Wilson, books	40 08
S. F. McLean, books	7 50
Joseph McDonough Co., books	13 50
Macmillan Co., books	5 40
Henry Malkan, books	79 41
Wesley A. Maynard, printing	4 25
Marshall Son & Co., supplies	2 51
Newold Publishing Co., books	48 95
New England Telephone & Telegraph Co., service	14 23
	<hr/>
Amount carried forward	\$2,285 36

Amount brought forward	\$2,285 36
New York & New England Publishing Co., books	17 50
Leslie H. Steele, periodicals	15 80
A. Storrs & Bement Co., supplies	50
Sampson & Murdock Co., directory	6 00
Sprague & Hathaway Co., frames	2 00
Somerville Journal Co., printing	6 90
John Skinner's Book Store, books	7 50
C. A. Southwick, Jr., expressing	10 90
Charles I. Shepard, books	6 60
P. B. Sanford Co., binders	53 60
R. E. Sherwood, books	95 61
The Smith Book Co., books	2 60
Theo. E. Schulte, books	30 75
Tabard Inn Book Co., books	25 77
Union Library Association, books	26 21
Williams & Neiley, printing	5 75
S. Ward & Co., stationery	7 95
A. J. Wilkinson & Co., supplies	1 05

\$2,613 35

Public Library account, cards, books, etc.,

19 92

\$2,633 27

Public Library Construction, West Somerville Branch.

CREDIT.

Public Buildings Construction, Building Public Buildings account, amount transferred	\$449 52
Cash, received of Andrew Carnegie, gift	10,132 50
	<u>\$10,582 02</u>

DEBIT.

(Expenditures.)

Cash, paid Belledeu, on account of contract	\$7,593 26
Library Bureau, on account of contract	473 00
Mellish & Byfield, on account of contract	893 00
Mortensen & Holdensen, on account of contract	650 00
McLean & Wright, on account of contract	247 64
Whitten & Jackson, on account of contract	400 53
McKenney & Waterbury, electrical fixtures	235 00
Library Bureau, chairs	45 00
	<u>\$10,537 43</u>
Highways Maintenance account, constructing driveway, etc.	44 59

\$10,582 02

Public Property.

CREDIT.

Balance to debit of account, 1910	\$5,360,829 14
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DEBIT.

Property and Debt Balance, property ac- quired in 1909	\$58,746 06
Balance from 1908	5,302,083 08
	<u>\$5,360,829 14</u>

Real Estate Liens.

DEBIT.

Balance from 1908	\$2,293 76
Taxes, tax of 1903 assessed City of Cambridge	364 64
tax of 1904 assessed City of Cambridge	364 64
tax of 1904 assessed Butler & Robinson	4 48
	<u>\$3,027 52</u>

CREDIT.

Balance to debit of account, 1910	<u>\$3,027 52</u>
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Redemption of Tax Liens.

CREDIT.

Cash, received of sundry persons, redemption of tax liens	\$667 97
Amount accruing to city under Chapter 443, Acts of 1902, carried to City Treasurer account	15 00
	<u>\$652 97</u>

DEBIT.

(Expenditures.)

Cash, paid sundry persons, redemption of tax liens	<u>\$652 97</u>
--	-----------------

Reduction of Funded Debt.

CREDIT.

Balance from 1908	\$4,000 00
Appropriations, from Taxes, 1909	145,000 00
Water Works Income, amount appropriated, Water Bonds	6,000 00
Water Works Income, balance transferred	12,128 24
	<u>\$167,128 24</u>
Excess and Deficiency account, balance transferred	10,519 34
	<u>\$156,608 90</u>
Receipts:—	
Cash, received of R. L. Day & Co., premium on bonds	891 10
	<u>\$157,500 00</u>

DEBIT.

(Expenditures.)

Cash, paid bonds maturing in 1909	<u>\$157,500 00</u>
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Sanford Hanscom School, Land Addition.

CREDIT.

Sewers Construction account, amount transferred	\$3,500 00
Balance to credit of account, 1910	3,500 00
	<hr/>

School Contingent.

CREDIT.

Appropriations, from Taxes, 1909	\$27,000 00
Excess and Deficiency account, balance transferred	202 46
	<hr/>
	\$26,797 54

Receipts:—

Commonwealth of Massachusetts, tuition of state wards,	246 00
Cash, received of Charles S. Clark, superintendent of schools, tuition of non-resident pupils, etc.	\$229 18
damage to property	148 69
Dorothy Adams, tuition	25 34
A. B. Palmer, tolls	1 35
	<hr/>
	404 56
	<hr/>
	\$27,448 10

DEBIT.

(Expenditures.)

Cash, paid Charles S. Clark, salary as superintendent of schools	\$3,000 00
disbursements	318 01
Mary A. Clark, assistant	708 33
Mildred A. Merrill, assistant	566 67
Justin W. Lovett, truant officer	1,304 17
disbursements	8 16
Jairus Mann, truant officer	50 00
American Book Co., books	763 34
Adams, Cushing & Foster, supplies	1,491 46
Henrietta B. H. Attwood, disbursements,	2 52
John A. Avery, disbursements	25 09
Allen, Doane & Co., supplies	20 00
Allyn & Bacon, books	250 57
D. Appleton & Co., books	22 93
Mary A. Atherton, books	91 99
Atkinson, Mentzer & Grover, books	13 17
Edward E. Babb & Co., books and supplies	4,623 06
Bates & Guild Co., books	2 00
F. J. Barnard & Co., binding	936 13
Baker School Specialty Co., supplies	10 10
C. C. Birchard & Co., books	463 71
Milton Bradley Co., books and supplies	258 45
Brown-Durrell Co., supplies	26 95
Boston Bank Note Co., printing	202 94
Elizabeth J. Baker, supplies	2 00
Bay State Paper Co., supplies	17 82
First Methodist Church, use of edifice	150 00
Baker & Adamson Chemical Co., supplies	110 11
Bausch & Lomb Optical Co., supplies	28 70
	<hr/>
Amount carried forward	\$15,518 38

Amount brought forward	\$15,518 38
Bumpus & Cook, repairing	61 39
Benton Brothers, supplies	11 30
Jason P. Briggs, census	19 78
Carter's Ink Co., supplies	45 15
N. H. Crowell, supplies	43 12
E. T. Curtis, supplies	89 57
James H. Chase, services	15 00
Chandler & Barber, supplies	235 55
Harry L. Cutting, services	2 00
William H. Claflin Co., supplies	6 00
Cook-Vivian Co., supplies	107 63
E. S. Daniels, tuning pianos	35 00
Oliver Ditson Co., books	91 48
A. L. Doe, disbursements	14 10
DeWolfe, Fiske & Co., books	22 36
Clara Z. Elliot, census	42 86
Educational Publishing Co., books	166 81
J. S. Emerson, disbursements	7 43
Eimer & Amend, supplies	235 30
George H. Ellis Co., books	5 00
J. H. Folkins Co., ink	28 20
The M. Abbott Frazar Co., supplies	4 00
W. K. Farrington Press, engrossing	32 65
Funk & Wagnalls Co., books	8 50
W. C. Fickett, census	31 52
Ginn & Co., books	2,375 29
Annie M. Gilcrease, census	64 34
Gilman Express Co., expressing	65
Glines & Co., expressing	89 36
W. A. Greenough & Co., directories	8 00
The Globe-Wernicke Co., supplies	10 25
D. C. Heath & Co., books	507 53
J. L. Hammett Co., supplies	172 85
Harvard University, books	8 20
Houghton Mifflin Co., books	125 82
Holden Patent Book Cover Co., book covers	36 35
J. W. Howard, supplies	4 05
S. Henry Hadley, orchestra	272 00
Houghton & Dutton, supplies	3 00
Edward A. Hart, writer press	162 78
H. F. Hathaway, disbursements	92
S. A. Johnson, disbursements	27 32
George F. King & Co., supplies	5 00
L. E. Knott Apparatus Co., supplies	222 56
R. E. Kibbe, engrossing	82 24
Harlan P. Knight, disbursements	20 10
John Lane, books	10 00
Library Bureau, supplies	10 00
LaBree & Bumpus, supplies	3 85
Howard Lowell & Son, carriage hire	7 00
J. B. Lippincott Co., books	8 70
Lothrop, Lee & Shepard Co., books	1 65
Little, Brown & Co., books	9 75
Joseph A. Moore, books	2 00
Wesley A. Maynard, printing	85 15
McKinley Publishing Co., maps	14 45
Bunkio Matsuki, supplies	2 09
Amount carried forward	\$21,233 33

APPENDIX TO TREASURER AND COLLECTOR'S REPORT. 127

Amount brought forward	\$21,233 33
Middlesex County Truant School, board of truants	791 56
Mitchell Mfg. Co., supplies	93
Charles E. Merrill Co., books	23 91
Marine Biological Laboratory, sup- plies	12 90
D. J. Moynahan, use of team	2 00
New England Telephone & Telegraph Co., service	186 99
Neostyle Co., supplies	99 60
New England Dressed Meat & Wool Co., supplies	60
W. E. Plumer & Co., supplies	412 95
A. B. Palmer, disbursements	6 37
Philadelphia Distributing Co., supplies	85
Perkins Woodworking Co., lumber	930 05
Remington Typewriter Co., repairing	2 60
Rand, McNally & Co., maps	39 80
Charles Scribner's Sons, books	3 03
Silver, Burdett & Co., books	503 47
Shattuck & Jones, supplies	6 00
Smith-Premier Typewriter Co., supplies,	225 90
Somerville Journal Co., printing	683 12
Suffolk Ink Co., ink	49 44
Benjamin H. Sanborn & Co., books	654 67
Sibley & Co., books	7 30
Sprague & Hathaway Co., supplies	2 30
Somerville Evening Sun, printing	21 25
S. F. Sherman, tuning piano	2 50
Oscar W. Short, services	18 00
Schoenhof Book Co., books	48 22
C. H. Stoelting Co., supplies	4 75
St. Louis Biological Laboratory, sup- plies	3 00
William D. Sprague, disbursements	5 00
Mary C. Thurston, supplies	13 16
Thorp & Martin, supplies	12 15
Thompson-Brown Co., supplies	16 15
Richard H. Tincker, census	71 68
The Twinlock Co., supplies	12 75
Underwood Typewriter Co., repairing	12 45
M. L. Vinal, supplies	69 52
The Writer Publishing Co., books	13 37
Wadsworth, Howland & Co., supplies	607 24
F. S. Webster Co., supplies	5 40
Whitney & Snow, supplies	125 00
John M. Woods & Co., lumber	118 53
Williams & Neiley, printing	245 75
A. J. Wilkinson & Co., supplies	9 05
Winter Hill Press, printing	37 40
Mina J. Wendell, disbursements	12 89
Samuel Ward Co., supplies	10 25
H. C. White Co., supplies	20 27
Elisabeth S. Webster, census	30 84

\$27,431 24

Public Buildings Maintenance, School-
houses account, telephone tolls

16 86

\$27,448 10

School Teachers' Salaries.

CREDIT.	
Appropriations, from Taxes, 1909	\$295,000 00
Excess and Deficiency account, balance transferred	1,793 65
	<hr/> \$293,206 35

DEBIT.	
(Expenditures.)	
Cash, paid salaries as per pay rolls	\$293,209 85
(Cash)	3 50
	<hr/> \$293,206 35

Sealer of Weights and Measures.

CREDIT.	
Appropriations, from Taxes, 1909	\$1,800 00
Excess and Deficiency account, balance transferred	21 80
	<hr/> \$1,778 20

Receipts:—	
Cash, received of John H. Dusseault, fees for weighing	503 32
	<hr/> \$2,281 52

DEBIT.	
(Expenditures.)	
Cash, paid John H. Dusseault, salary as sealer of weights and measures	\$1,100 00
disbursements	179 65
use of team	137 60
Benjamin S. Abbott, deputy sealer of weights and measures	700 00
Dennison Mfg. Co., seals	3 00
W. A. Greenough & Co., directory	4 00
Glines & Co., expressing	45
William & L. E. Gurley, tools, etc.	46 10
John J. Hargraves, acid	21 50
Hobbs & Warren Co., books and stationery	4 05
William B. Holmes, tools	1 50
A. C. Libby & Sons, books	19 61
Wesley A. Maynard, advertising	4 00
F. E. Marsh, dry measure gauge	1 50
New England Telephone & Telegraph Co., service	27 55
Rhode Island Label Works, seals	3 50
Somerville Journal Co., advertising	7 00
Whitney & Snow, hardware	2 96
Woodman Mfg. & Supply Co., stamp, cutter, etc.	17 55
	<hr/> \$2,281 52

Sewer Assessments.

CREDIT.	
Receipts:—	
Cash, received of sundry persons	\$2,340 92
Balance to debit of account, 1910	9,752 78
	<hr/> \$12,093 70

DEBIT.		
Balance from 1908		\$4,218 56
Sewers Construction account, as-		
assessments levied	\$7,903 94	
Less abatements	28 80	
	7,875 14	
		\$12,093 70

Sewers, Construction.

CREDIT.		
Balance from 1908		\$10,832 03
Appropriations, from Funded Debt, 1909		30,000 00
Sewer Assessments account, assessments		
levied	\$7,903 94	
Less abatements	28 80	
	7,875 14	
		\$48,707 17

Reduced by the following transfers:—

Benjamin G. Brown School, Land Addition account	\$1,500 00	
Electrical Department, Underground Construction account	1,500 00	
Fire Department, Additional Apparatus account	5,000 00	
Highways, Paved Gutters and Crossings account	7,670 95	
Sanford Hanscom School, Land Addition account	3,500 00	
	19,170 95	
		\$29,536 22
Balance to credit of account, 1910		13,766 01
		\$15,770 21

Stock and labor billed other departments:—

Sidewalks Construction account, edgestones	22 62
Receipts:—	
Cash, received of W. A. Sanborn & Co., cement	46 50
	\$15,839 33

DEBIT.		
(Expenditures.)		
Cash, paid laborers		\$2,570 18
Bartholomew Burke, constructing sewer:—		
Acadia park	155 97	
Curtis avenue	600 00	
Proposed street	1,997 35	
Walker street	296 30	
Timothy F. Crimmings, constructing sewer:—		
Florence street	330 30	
Hill street	229 78	
Ossipee road	619 03	
Powder-house boulevard	1,438 31	
Whitfield road	321 88	
	\$8,559 10	
Amount carried forward		\$8,559 10

Amount brought forward		\$8,559 10	
James H. Fannon, constructing sewer:—			
Cedar street		521 06	
Elm street		2,104 60	
William J. McCarthy & Co., construct-			
ing sewer:—			
Belknap street		382 11	
Boston & Maine Railroad, freight		15 96	
William H. Casey & Co., bricks		18 63	
Edwin O. Childs, Register, recording		11 35	
Thomas Groom & Co., stationery		16 50	
Highland Coal Co., cement		431 20	
W. B. Mullen, sand		12 24	
New England Brick Co., bricks		296 64	
Portland Stone Ware Co.,			
drain pipe	\$1,144 41		
(Cash)	7 88		
			1,136 53
Somerville Iron Foundry, castings		685 57	
W. A. Sanborn & Co., bricks		43 13	
James Teylin, use of teams		767 42	
Waldo Brothers, pipe and			
cement	\$583 67		
(Cash)	182 77		
			400 90
Frederick B. Witherley, traps		45 04	
Williams & Neiley, printing		15 00	
			\$15,462 98
City Engineer account, labor		225 00	
Highways Maintenance account, repairing			
sidewalk		104 30	
Water Maintenance account, drain pipe		47 05	
			\$15,839 33

Sewers, Maintenance.

CREDIT.

Water Works Income account, amount appropriated		\$12,000 00	
Excess and Deficiency account, balance transferred		29 60	
			\$11,970 40
Stock and labor billed other departments:—			
Highways Construction account, changing			
grade of catch basins		\$528 69	
Highways Construction, Lowell Street			
Bridges account, changing grade, etc.,		407 23	
Public Grounds account, labor and mate-			
rials		84 88	
			1,020 85
Receipts:—			
Cash, received of Cambridge Gas Light Co.,			
labor		\$66 17	
Highland Coal Co., cement bags		52 00	
Boston Elevated Railway Co., changing			
grades		45 64	
G. A. Stephens, old hose		18 00	
M. Norton & Co., old hose		14 74	
Stephens Mfg. Co., old hose		13 10	
			209 65
			\$13,200 90

DEBIT.
(Expenditures.)

Cash, paid laborers	\$7,733 67	
D. J. Bennett, repairing wagon	3 50	
Charles E. Berry, making poles	2 92	
J. H. Brooks, cloth	33	
Boulevard Auto Co., use of cars	15 00	
Cornelius Callahan Co., repairing	6 75	
Davenport-Brown Co., lumber	5 30	
E. W. Danforth, car fares	30 00	
Edson Mfg. Co., repairing hose	13 95	
H. Fisher, suits and hats	43 80	
Fred W. Farrar, repairing clock	5 00	
Thomas Groom & Co., books	16 50	
William S. Howe, box for clock	10 07	
Hemeon Brothers, labor	1 00	
A. R. Hyde, boots	57 00	
D. Mahoney, patching	7 70	
Martin & Wood, sharpening	3 10	
New England Telephone & Telegraph Co., service	54 12	
New England Oil Co., oil	12 41	
M. Norton & Co., rubber dishes	50	
New England Brick Co., bricks	69 84	
Somerville Iron Foundry, castings	124 69	
Walter H. Snow, catering	5 00	
James Tevlin, use of teams	4,741 07	
Anna S. Tevlin, washing flags	2 00	
Waldo Brothers, drain pipe	34 35	
I. B. Walker, repairing wagons	25 22	
Whitney & Snow, hardware	75 26	
Williams & Neiley, dials	5 00	
Frederick B. Witherley, grates	14 00	
	<hr/>	
	\$13,119 10	
City Engineer account, services	75 00	
Highways Maintenance account, gravel	6 80	
	<hr/>	
	<u>\$13,200 90</u>	

Sidewalk Assessments.

CREDIT.

Receipts:—

Cash, received of sundry persons	\$13,412 56
Balance to debit of account, 1910	6,565 29
	<hr/>
	\$19,977 85

DEBIT.

Balance from 1908	\$7,987 16
Sidewalks Construction account, assessments levied	\$12,083 18
Less abatements	92 49
	<hr/>
	11,990 69
	<hr/>
	<u>\$19,977 85</u>

Sidewalks, Construction.

CREDIT.	
Balance from 1908	\$309 13
Appropriations, from Funded Debt, 1909	12,000 00
Sidewalk Assessments account, assessments levied	\$12,083 18
Less abatements	92 49
	11,990 69
	\$24,299 82
Balance to credit of account, 1910	66 69
	\$24,233 13
Stock and labor billed other departments:—	
Highways Maintenance account, lumber	10 33
Receipts:—	
Cash, paid Abraham B. Beal, granolithic walk	13 10
	\$24,256 56

DEBIT. (Expenditures.)	
Cash, paid laborers	\$10,635 54
F. C. Ayer, lumber	30 33
Thomas Allen, granolithic	217 35
Thomas Groom & Co., books	13 00
S. & R. J. Lombard, edgestones	8,143 47
W. A. Sanborn & Co., bricks	1,405 78
	\$20,445 47
Highways Maintenance account, use of teams	3,612 94
Public Grounds account, circles	108 69
Sewers Construction account, edgestones	22 62
Sidewalk Assessments account, assessment,	66 84
	\$24,256 56

Sidewalks, Maintenance.

CREDIT.	
Highways Maintenance account, amount transferred,	\$1,082 19
Stock and labor billed other departments:—	
Highways Construction account, bricks	\$44 88
Highways Maintenance account, bricks	40 09
	84 97
Receipts:—	
Cash, received of J. A. Durell, labor	1 50
	\$1,168 66

DEBIT. (Expenditures.)	
Cash, paid laborers	\$753 45
Thomas Allen, repairing sidewalk	4 00
W. A. Sanborn & Co., bricks	233 97
	\$996 42
Highways Maintenance account, use of city teams	172 24
	\$1,168 66

Soldiers' Burials.

DEBIT.

(Expenditures.)

Cash, paid J. H. Dusseault, services as burial agent	\$26 00	
Edwin G. Brown, burial	35 00	
John Bryant's Sons, burials	140 00	
W. T. Gill, burial	35 00	
Doherty Brothers, burial	35 00	
John E. Kauler, burial	35 00	
G. F. McKenna & Son, burial	35 00	
Francis M. Wilson, burials	140 00	
	<hr/>	\$481 00
Commonwealth of Massachusetts, amount charged De- cember 31, 1909		<hr/> <hr/> \$481 00

Soldiers' Monument.

CREDIT.

Balance from 1908	\$11,418 47
Public Buildings Construction, Building Public Buildings account, amount transferred	515 83
	<hr/>
	\$11,934 30

DEBIT.

(Expenditures.)

Cash, paid Austin Ford & Son Co., masonry	\$141 75	
Augustus Lukeman, on account of con- tract	11,786 00	
	<hr/>	
	\$11,927 75	
Highways Maintenance account, teaming	6 55	
	<hr/>	\$11,934 30
		<hr/> <hr/>

Soldiers' Relief.

CREDIT.

Appropriations, from Taxes, 1909	\$23,000 00
Excess and Deficiency account, balance transferred	285 64
	<hr/>
	\$23,285 64

DEBIT.

(Expenditures.)

Cash, paid sundry persons as per pay rolls	\$23,290 64	
(Cash)	9 00	
	<hr/>	
	\$23,281 64	
Howard Lowell & Son, carriage hire	4 00	
	<hr/>	\$23,285 64
		<hr/> <hr/>

Somerville Hospital.

CREDIT.

Appropriations, from Taxes, 1909	\$5,000 00
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DEBIT.

(Expenditures.)

Cash, paid for support of sick poor	<hr/> <hr/> \$5,000 00
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State Aid.

CREDIT.

Commonwealth of Massachusetts, state aid paid in 1909	\$16,592 00
Excess and Deficiency account, balance transferred	5 00
	<hr/>
	\$16,587 00

DEBIT.

(Expenditures.)

Cash, paid monthly pay rolls	\$16,680 00
(Cash)	93 00
	<hr/>
	\$16,587 00

Street Lights.

CREDIT.

Appropriations, from Taxes, 1909	\$50,000 00
Excess and Deficiency account, balance transferred	2,298 63
	<hr/>
	\$52,298 63

DEBIT.

(Expenditures.)

Cash, paid Edison Electric Illuminating Co., lighting	\$52,298 63
	<hr/>

Sundry Persons.

CREDIT.

Balance from 1908	\$699 65
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DEBIT.

Balance to credit of account, 1910	\$699 65
	<hr/>

Support of Poor, City Home.

CREDIT.

Appropriations, from Taxes, 1909	\$3,000 00
Excess and Deficiency account, balance transferred	464 92
	<hr/>
	\$2,535 08

Stock and labor billed other departments:—

Health Department, Contagious Disease Hospital account, produce	182 16
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Receipts:—

Cash, received of J. Foster Colquhoun, produce	\$4,027 77
Town of Arlington, board	730 00
Fred L. Hawkins, board	40 10
Ellen C. Eagan, board	27 50
Michael Flemming, board	10 50
Cambridge City Home, plants	5 72
J. W. Howard, plants	4 00
	<hr/>
	4,845 59

\$7,562 83

DEBIT.

(Expenditures.)

Cash, paid J. Foster Colquhoun, salary as warden	\$700 00
disbursements	145 38
Mrs. Catherine Colquhoun, matron	350 00
Sundry persons, farm help	993 94
Sundry persons, house help	586 61
Andrew Blyth, groceries	38 06
George W. Clatur, groceries	24 60
W. B. Chase, groceries	39 90
Chase & Sanborn, groceries	78 09
Clark Brothers Co., groceries	71 70
J. H. Dickerman, groceries	13 41
Myrton F. Evans, groceries	4 86
George G. Fox Co., groceries	195 30
L. C. Fisher & Co., groceries	2 50
C. D. Gallagher, groceries	3 00
F. J. Hopkins, groceries	93 12
E. F. Hicks, groceries	2 75
Charles A. Holmes, groceries	7 14
Amos Keyes & Co., groceries	136 53
New England Mfg. Co., groceries	141 65
J. S. Newcombe & Co., groceries	640 65
National Biscuit Co., groceries	49 05
J. W. Roberts & Co., groceries	363 60
C. L. Stevens, groceries	127 48
A. S. Tyler, groceries	7 84
D. J. Bennett, harness repairs	71 65
Boston & Maine Railroad, freight	6 71
Boston Plate & Window Glass Co., glass	5 68
Bowers & DeWick, dry goods	6 75
Joseph Breck & Sons Corporation, seeds, etc.	30 69
H. A. Brownell, repairing harness	3 00
Brown-Durrell Co., clothing	29 67
Cambridge Ice Co., ice	26 00
Henry N. Clark Co., grates	5 72
J. H. Derby, repairing clocks	5 80
Empire Laundry Machinery Co., washing machine, etc.	500 00
Willis S. Furbush, medicine	6 10
H. E. Fiske Seed Co., seeds	20 05
Fuller Mfg. Co., hoe	1 00
S. Finlay, papers	77
Farley, Harvey & Co., pillow slips	8 02
Gilman Express Co., expressing	3 20
Thomas Groom & Co., books	1 75
Walter Gordon, pig	6 50
D. J. Green & Co., mat, brooms, etc.	4 63
H. E. Gustin, plants	4 16
Percy A. Hall, medicine	71 64
Highland Coal Co., lime	15 34
A. H. Hews & Co., flower pots	3 80
I. N. Holman, sharpening lawn mower	5 25
Haskell Implement & Seed Co., fertilizer	26 45
Amount carried forward	\$5,692 49

Amount brought forward	\$5,692 49	
C. P. Holmes, boxes	26 40	
Hovey & Co., seeds	7 45	
Mrs. Emma S. Hall, domestic fee	30	
George T. Johnson & Co., supplies	1 00	
Jordan Marsh Co., kitchen ware	56 35	
George W. Ladd, horseshoeing	33 25	
T. E. Littlefield, lumber	45 44	
Lord & Webster, hay and grain	140 08	
C. W. Lerner & Co., disinfectant	4 00	
David W. Lewis Co., stove pipe	2 84	
George W. Ladd, horseshoeing	3 50	
McGreenery & Manning, tobacco	42 00	
Miley Soap Co., soap	17 25	
Massachusetts State Prison, clothing	28 50	
New England Telephone & Telegraph Co., service	42 69	
Fulton O'Brien, hay and grain	230 76	
T. J. Owens, papers	9 22	
W. E. Plumer & Co., hardware	31 03	
The Park & Pollard Co., poultry sup- plies	22 70	
Proctor Brothers, grain	62 69	
George G. Page Box Co., boxes	95 29	
Reuben Ring & Co., medicine	25 75	
John B. Rufer, clipping	4 00	
W. W. Rawson & Co., seeds	4 60	
Reid & Hughes Co., kitchen ware	7 77	
Parke Snow, dry goods	88 14	
Somerville Journal Co., envelopes	1 75	
Smith & Thayer Co., H. D. grate	1 29	
E. S. Sparrow & Co., hardware	5 70	
John P. Squire & Co., shavings	16 25	
Stumpp & Walter Co., seeds	22 70	
Schlegel & Fottler Co., seeds	50 23	
Elbert J. Smith, hair cutting	2 25	
E. D. Sawyer Lumber Co., lumber	77 80	
Arthur Sternberg, suit	12 00	
George H. Thayer, boots and shoes	62 80	
William J. Thompson & Co., hay	26 06	
Nathan Tufts & Sons, grain	122 49	
Underhill Hardware Co., hardware	10 32	
R. H. White Co., lamp	2 60	
William J. Wiley, hardware	40 09	
Wilson, Larrabee & Co., dry goods	6 41	
I. B. Walker, repairing wagon	83 10	
Waldron & Shepard, boxes	6 25	
		<hr/>
	\$7,275 58	
Health Department, Collection of Ashes and Offal account, offal	287 25	
		<hr/>
		<u>\$7,562 83</u>

Support of Poor, Miscellaneous.

CREDIT.

Appropriations, from Taxes, 1909	\$13,500 00
Excess and Deficiency account, balance transferred	785 93
	<hr/>
Amount carried forward	\$12,714 07

APPENDIX TO TREASURER AND COLLECTOR'S REPORT. 137

Amount brought forward		\$12,714 07
Receipts:—		
Commonwealth of Massachusetts, support of state paupers		958 93
Cash, received of sundry persons, aid	\$119 48	
Charles C. Folsom, money not called for	16 50	
C. Clark Towle, old typewriter	15 00	
For support of paupers:—		
City of Boston	606 08	
City of Cambridge	643 77	
City of Chelsea	105 50	
City of Everett	115 89	
City of Fall River	22 65	
City of Gloucester	40 00	
City of Haverhill	31 43	
City of Holyoke	24 00	
City of Lowell	156 24	
City of Malden	98 85	
City of Medford	96 15	
City of Marlborough	55 71	
City of New Bedford	10 85	
City of Newton	238 64	
City of Quincy	13 00	
City of Springfield	18 90	
City of Taunton	18 00	
City of Woburn	66 44	
City of Worcester	132 44	
Town of Andover	10 00	
Town of Attleboro	18 14	
Town of Arlington	102 86	
Town of Brookline	11 43	
Town of Braintree	29 14	
Town of Boylston	32 43	
Town of Framingham	12 43	
Town of Gardner	8 57	
Town of Leominster	52 17	
Town of Reading	18 00	
Town of Revere	34 00	
Town of Saugus	28 01	
Town of Stoneham	39 45	
Town of Stow	28 71	
Town of Truro	36 86	
Town of Wakefield	16 16	
Town of Weston	32 00	
Town of Williamstown	14 29	

3,170 17

\$16,843 17

DEBIT.

(Expenditures.)

Cash, paid Charles C. Folsom, salary as agent	\$1,600 00
disbursements	193 10
C. Clark Towle, M. D., city physician	1,500 00
Cora F. Lewis, secretary	700 00
Florence R. Kenneson, clerical services, Relief of paupers:—	120 00
City of Boston	1,926 31
Amount carried forward	\$6,039 41

Amount brought forward	\$6,039 41
City of Cambridge	410 12
City of Everett	23 57
City of Lowell	69 00
City of Lynn	50 25
City of Melrose	12 00
City of Newton	84 36
City of Worcester	33 75
City of Woburn	26 59
Town of Attleboro	92 00
Town of Barnstable	121 25
Town of Lexington	13 71
Town of Rockland	42 50
Town of Revere	151 39
Town of Winchester	8 00
Town of West Springfield	21 91
Cambridge Relief Hospital	20 00
Commonwealth of Massachusetts	337 77
Foxboro State Hospital	194 21
Massachusetts General Hospital	6 87
Massachusetts Hospital for Epileptics, Massachusetts School for Feeble- Minded	29 25
Somerville Hospital, relief of sick poor, Somerville Visiting Nursing Associa- tion, nursing	253 50
Mary Drury, board	2,250 11
Benjamin W. Goldsmith, board	200 00
Edward Hunnewell, board	30 00
Maria L. Meserve, board	104 30
Mary Murray, board	52 17
Edith M. Nutt, board	43 30
Jennie L. Nichols, board	84 85
Hattie G. Sellon, board	104 30
Emmeline K. Willis, board	13 15
H. G. Applin, groceries	8 72
C. E. Barrows, groceries	52 17
Charles S. Butters, groceries	257 00
James Bartley, groceries	112 00
Edward Coliten & Son, groceries	53 00
A. F. Carpenter, groceries	270 00
F. E. Cheney Co., groceries	171 00
J. F. Dowd, groceries	66 00
James Davis, groceries	92 00
Harry A. Dunham, groceries	122 00
Charles F. Giles, groceries	263 00
Grace & Hatfield, groceries	26 00
F. A. E. Jewell, groceries	457 58
C. R. King, groceries	84 00
M. A. Kimball, groceries	338 00
M. D. Lovering, groceries	33 50
Frank M. Lowell, groceries	66 00
M. D. Lewis, groceries	39 00
J. D. MacLennan, groceries	18 00
James H. Maguire Co., groceries	246 00
North Packing & Provision Co., groceries	313 50
A. E. Robie, groceries	61 00
Andrew F. Ryan, groceries	180 50
	38 00
	158 00
Amount carried forward	<hr/> \$14,454 56

Amount brought forward	\$14,454 56	
Mrs. C. H. Sands, groceries	498 00	
R. M. Sturtevant & Co., groceries	454 50	
C. L. Stevens, groceries	1 00	
D. E. Watson, groceries	10 00	
George W. Wood, groceries	26 00	
J. H. Brooks, dry goods	9 00	
Jackson Caldwell & Co., carpet	99 75	
Charles W. Dailey, ambulance	12 90	
W. J. Emerson, boots and shoes	4 50	
Edward Edwards, medicine	106 85	
W. A. Flaherty & Son, burials	50 00	
Fresh Pond Ice Co., ice	3 00	
C. H. Goldthwaite & Co., truss	2 50	
Thomas Groom & Co., stationery	32 90	
F. W. Gilbert, boots and shoes	16 00	
W. A. Greenough & Co., directory	4 00	
Samuel Hurwitz, boots and shoes	1 25	
The G. F. Harvey Co., medicine	45 13	
Howard Lowell & Son, carriage hire	7 00	
E. S. Merriam, medicine	4 05	
Alfred E. Mann, burial	45 00	
Monroe Pharmacal Co., medicine	40 50	
John S. McGowan, burial	15 00	
New England Telephone & Telegraph Co., service	113 27	
Frederick H. Perry, printing	24 75	
P. H. Rafferty, burials	45 00	
Somerville Journal Co., printing	18 50	
Smith-Premier Typewriter Co., type- writer	110 25	
Wellington-Wild Coal Co., fuel	588 01	
	<hr/>	\$16,843 17
		<hr/>

Taxes.

CREDIT.

Receipts:—

Cash, received for taxes of 1903	\$10 10	
“ “ “ “ 1904	12 00	
“ “ “ “ 1905	70 39	
“ “ “ “ 1906	187 46	
“ “ “ “ 1907	2,021 06	
“ “ “ “ 1908	269,867 41	
“ “ “ “ 1909	938,724 92	
	<hr/>	\$1,260,893 34

Overlay and Abatement:—

Abatements on taxes of 1903	\$2,315 40	
“ “ “ “ 1904	1,914 72	
“ “ “ “ 1905	717 29	
“ “ “ “ 1906	1,679 82	
“ “ “ “ 1907	1,640 84	
“ “ “ “ 1908	3,066 41	
“ “ “ “ 1909	8,203 94	
	<hr/>	19,538 42
Real Estate Liens, taxes of 1903, City of Cambridge		364 64
“ “ “ “ “ 1904, “ “ “		364 64
“ “ “ “ “ 1904, Butler and Robinson		4 48
		<hr/>
Amount carried forward		\$1,281,165 52

Amount brought forward		\$1,281,165 52
Balance to debit of account, 1910:—		
Being uncollected taxes of 1904	\$463 96	
“ “ “ “ 1905	2,917 42	
“ “ “ “ 1906	2,281 34	
“ “ “ “ 1907	3,448 17	
“ “ “ “ 1908	6,654 68	
“ “ “ “ 1909	267,571 94	
		<u>283,342 51</u>
		\$1,564,508 03

DEBIT.

Balance from 1908	\$300,005 23	
Tax Levy, as per assessors' warrant of August 10, 1909	1,260,144 32	
Supplementary warrants, amounts credited to Overlay and Abatement account	4,356 48	
Overlay and Abatement account, moth tax re-assessed	2 00	
		<u>\$1,564,508 03</u>

Temporary Loans.

CREDIT.

Balance from 1908		\$375,000 00
Cash, borrowed by authority of the Board of Aldermen on notes as follows:—		
City Notes Nos. 691-2-3, 251 days, 3.02 per cent., discounted	\$150,000 00	
City Notes Nos. 694 to 697, 236 days, 3 per cent., discounted	100,000 00	
City Notes Nos. 698 to 705, 310 days, 3.24 per cent., discounted	150,000 00	
City Note No. 706, six months, 3 per cent., discounted	25,000 00	
City Notes Nos. 707 to 722, 266 days, 3.61 per cent., discounted	200,000 00	
		<u>625,000 00</u>
		\$1,000,000 00

DEBIT.

(Expenditures.)

Cash, paid as follows:—		
City Note No. 682	\$50,000 00	
City Note No. 683	50,000 00	
City Note No. 684	25,000 00	
City Note No. 685	25,000 00	
City Note No. 679	25,000 00	
City Note No. 680	50,000 00	
City Note No. 681	50,000 00	
City Note No. 686	25,000 00	
City Notes Nos. 687-688	75,000 00	
City Notes Nos. 691-2-3	150,000 00	
City Note No. 706	25,000 00	
City Notes Nos. 694 to 697	100,000 00	
		<u>\$650,000 00</u>
Balance to credit of account, 1910	350,000 00	
		<u>\$1,000,000 00</u>

Water Loan Interest.

CREDIT.

Water Works Income, amount appropriated \$2,460 00

DEBIT.

Coupons maturing April 1, 1909:—
 \$24,000, six months, 4 per cent. \$480 00
 Coupons maturing July 1, 1909:—
 \$10,000, six months, 4 per cent. 200 00
 Coupons maturing October 1, 1909:—
 \$24,000, six months, 4 per cent. 480 00
 Coupons maturing January 1, 1910:—
 \$9,000, six months, 4 per cent. 180 00

1,340 00

Registered Bonds:—

Interest due April 1, 1909 . . . \$560 00
 Interest due October 1, 1909 . . . 560 00

1,120 00

\$2,460 00

Water Maintenance.

CREDIT.

Water Works Income, amount appropriated \$30,000 00
 Less unexpended balance 4,265 23

\$25,734 77

Receipts:—

Cash, received of sundry persons, costs . . . \$93 00
 Sundry persons, pipe, fittings, etc. 10,382 84
 Edison Electric Illuminating Co.,
 grounding wires 125 00

10,600 84

Stock and labor billed other departments:—

Highways Construction account, stock,
 labor, etc. \$152 41
 Highways Maintenance account, stock and
 labor 23 84
 Highways, Sprinkling Streets account,
 maintenance of water posts 292 62
 Public Buildings Construction, Highland
 School Heating and Ventilating ac-
 count, replacing pipes 30 73
 Public Buildings Maintenance, City Build-
 ings account, pipe 5 31
 Public Buildings Maintenance, School-
 houses account, replacing and repair-
 ing pipes 36 29
 Public Grounds account, stock and labor . . . 91 32
 Sewers Construction account, drain pipe . . . 47 05
 Water Works Extension account, stock . . . 13,279 50

13,959 07

\$50,294 68

DEBIT.

(Expenditures.)

Cash, paid laborers	\$19,948 08
Frank E. Merrill, salary as water commissioner	2,300 00
disbursements	92 30
Charles E. Childs, inspector	884 53
disbursements	28 95
Lillian E. Leavitt, assistant	900 00
Laura E. Peavey, assistant	690 95
Marion L. Morrison, clerical services	270 00
Josephine M. Briggs, clerical services	8 00
Bertha M. Boyd, clerical services	96 00
American Express Co., expressing	8 78
The Anderson Coupling Co., couplings	444 89
Philip Aberle, stamps	482 48
Algonquin Motor Car Co., gear	11 75
Town of Arlington, pipe	32 50
Boston Varnish Co., paint	5 50
Charles Booth, wood	48 00
Braman, Dow & Co., pipe	560 76
D. J. Bennett, repairing harnesses	121 20
Boston & Maine Railroad, freight	606 58
Boston Woven Hose & Rubber Co., hose	3 00
Boston Elevated Railway Co., tickets	25 00
Boston Elevated Railway Co., labor	115 00
Builders' Iron Foundry, supplies	58 96
Herbert E. Bowman, medicine	4 93
Harold L. Bond Co., packing	20 72
Justin J. Bradshaw & Co., book	2 25
Chadwick-Boston Lead Co., pipe	768 15
Chapman Valve Mfg. Co., valves	81 49
Crane Co., valves	14 96
Coffin Valve Co., gate stem	4 85
Codman & Shurtleff, pumps	3 00
William R. Conrad, pipe inspection	83 91
Julian D'Este Co., brass	206 61
Davenport-Brown Co., labor	1 50
Davis & Farnum Mfg. Co., castings	29 63
Eastern Salt Co., salt	5 25
The Eliot Co., cabinet, etc.	42 06
A. A. Elston & Co., plank	14 35
Edson Mfg. Co., repairs to pump	15 70
The Fairbanks Co., valves	23 98
Brooks Faxon, repairs to motor	6 65
Fire & Water Engineering, subscription	3 00
Fresh Pond Ice Co., ice	109 79
Gilman Express Co., expressing	55 66
W. A. Greenough & Co., directory	4 00
Garlock Packing Co., packing	1 50
B. F. Goodrich Co., tire and repairs	52 44
Thomas Groom & Co., books	82 00
F. W. Gilbert, rubber boots	4 50
Glines & Co., expressing	60
Globe Gas Light Co., repairing torch	75
Charles R. Hildred, labor	5 00
Hersey Mfg. Co., meter parts	62 12
Fred M. Hutchinson, expenses	8 39
Amount carried forward	<u>\$29,463 00</u>

Amount brought forward	\$29,463 00
E. C. Hartshorn, negative, etc.	2 40
Highland Coal Co., cement	62 82
William S. Howe, zinc	3 65
Hale & Mayhew Co., wagon repairs	8 75
R. D. Hildred, machine work	33 00
O. L. Hill, use of car, etc.	47 90
Holt & Bugbee Co., wood	1 83
Independent Ice Co., ice	43 60
J. A. Kiley, wagon repairs	189 25
Kennedy Valve Mfg. Co., valves	10 50
George W. Ladd, shoeing	106 30
Lead Lined Iron Pipe Co., pipe and fittings	1,887 10
C. W. Lerner & Co., disinfectant	34 60
Library Bureau, cards	33 80
Lord & Webster, hay and grain	161 48
T. E. Littlefield, lumber	14 49
Ludlow Valve Mfg. Co., valve	34 20
Cyril J. Larivee, lumber	7 99
Edwin Leavitt, car fares	3 70
Martin & Wood, sharpening tools	7 75
W. B. Mullen, sand	12 24
Wesley A. Maynard, printing	9 13
H. Mueller Mfg. Co., fittings	70 74
Charles Millar & Son Co., pipe	190 40
Thomas McNeill, expenses	7 53
Walter Macleod & Co., furnace	75 00
Norwood Engineering Co., hydrant parts	170 25
New England Oil Co., oil	127 67
New England Telephone & Telegraph Co., service	202 06
Neptune Meter Co., meters	464 04
New England Towel Supply Co., towels supplied	5 40
National Meter Co., meter parts	1 75
Fulton O'Brien, hay and straw	423 40
Edward O'Brien, horseshoeing	93 50
W. E. Plumer & Co., hardware	86 04
Proctor Brothers, grain	201 38
Pratt & Cady Co., valves	73 75
George G. Page Box Co., boxes	70 00
Priest, Page & Co., adjusting scale	1 90
Rensselaer Mfg. Co., hydrant parts	876 80
Wilbur P. Rice, lumber	132 78
J. E. Richardson, services	8 00
John B. Rufer, horseshoeing	34 20
Estate of J. E. Richardson, services	14 50
Richards & Co., pig lead	188 50
Somerville Iron Foundry, castings	370 42
Somerville Journal Co., printing	403 53
E. S. Sparrow & Co., supplies	14 10
Standard Oil Co., of New York, drum, etc.	42 95
Shawmut Tire Co., shoes	25 36
Scott & Tingloff, rings	14 50
Smith-Premier Typewriter Co., repairs	1 30
Sumner & Gerald, fittings	14 40
Amount carried forward	\$36,595 63

Amount brought forward	\$36,595 63	
Somerville Post-Office, postage	200 00	
Thorpe's Express, expressing	1 00	
Thomson Meter Co., meters	1,551 60	
Turner & Co., envelopes	48 45	
Fred J. Thomsen, car fares	14 00	
Nathan Tufts & Sons, oats	252 22	
L. H. Truesdell & Co., sign	28 00	
M. E. Tighe, teaming	18 52	
Union Water Meter Co., fittings	888 99	
Underhill Hardware Co., hardware	168 10	
Charles L. Underhill, wagon repairs	181 50	
Union Glass Co., globes	8 50	
W. H. Vinton, washers	10 75	
Winter Hill Ice Co., ice	31 15	
A. J. Wilkinson & Co., hardware	93 64	
Welch, Dwyer & Grady, wagon repairs	9 50	
Williams & Neiley, printing	28 25	
Samuel Ward Co., stationery	67 13	
Frederick B. Witherley, castings	274 64	
Walworth Mfg. Co., wrenches	19 10	
R. Woodman Mfg. & Supply Co., wire	20 00	
R. D. Wood & Co., pipe, etc.	6,597 32	
Henry R. Worthington, meter parts	3,158 96	
	<hr/>	
	\$50,266 95	
Highways Maintenance account, labor and materials	27 73	
	<hr/>	
		\$50,294 68

Water Service Assessments.

CREDIT.

Receipts:—

Cash, received of sundry persons, cost of services laid	\$3,816 32
Transferred to Water Works Extension account	3,816 32
	<hr/>
	<hr/>

Water Works, Abatements on Water Charges.

DEBIT.

(Expenditures.)

Cash, paid sundry persons, money refunded	\$183 63
Transferred to debit of Water Works Income account	183 63
	<hr/>
	<hr/>

Water Works Extension.

CREDIT.

Water Works Income account, amount appropriated	\$15,000 00
Less unexpended balance	801 92
	<hr/>
	\$14,198 08
Water Service Assessments account, amount transferred	3,816 32
	<hr/>
	\$18,014 40

APPENDIX TO TREASURER AND COLLECTOR'S REPORT. 145

DEBIT.
(Expenditures.)

Cash, paid laborers	\$3,740 56	
Bartholomew Burke, contract labor	374 47	
Timothy F. Crimmings, contract labor	619 87	
	<hr/>	
	\$1,734 90	
Water Maintenance account, stock	13,279 50	
	<hr/>	
		\$18,014 40

Water Works Income.

CREDIT.

Metered Water Charges, last quarter district No. 1, 1909, uncollected		\$15,664 46
Receipts:—		
Cash, received of sundry water takers	\$207,615 96	
Metered water charges	\$2 50	
Less abatements	183 63	
	<hr/>	
	186 13	
	<hr/>	
		207,429 83
		<hr/>
Total income, sales of water		\$223,094 29
Reduction of Funded Debt, balance transferred		12,128 24
		<hr/>
		\$210,966 05

DEBIT.

Water Maintenance account, amount appropriated	\$30,000 00	
Less unexpended balance	4,265 23	
	<hr/>	
	\$25,734 77	
Reduction of Funded Debt, Water Loan Bonds, amount appropriated	6,000 00	
Water Loan Interest, amount appropriated	2,460 00	
Water Works Extension account, amount appropriated	\$15,000 00	
Less unexpended balance	801 92	
	<hr/>	
	14,193 08	
Sewers Maintenance account, amount appropriated	12,000 00	
Fire Department account, amount appropriated	33,000 00	
Commonwealth of Massachusetts, Metropolitan Water Assessment	112,573 20	
	<hr/>	
		\$210,966 05

Table D.—Balances.

Cash	\$112,839 55
Commonwealth of Massachusetts	17,583 00
Fire Department	2,197 21
Grade Crossings	9,376 54
Health Department	3,082 92
Health Department, Collection of Ashes and Offal	5,072 99
	<hr/>
Amount carried forward	\$150,152 21

Amount brought forward	\$150,152 21	
Health Department, Contagious Disease		
Hospital	709 12	
Highway Betterment Assessments	3,394 37	
Inspection of Buildings	168 95	
Metered Water Charges	15,664 46	
Police	8,161 84	
Public Buildings Maintenance:—		
City Buildings	2,029 19	
Fire Department	1,081 78	
Janitors' Salaries	921 80	
Schoolhouses	6,447 55	
Public Library:—		
Frances A. Wilder Children's Department Investment	100 00	
Isaac Pitman Fund, Investment	5,314 53	
Real Estate Liens	3,027 52	
Sewer Assessments	9,752 78	
Sidewalk Assessments	6,565 29	
Soldiers' Relief	285 64	
Street Lights	2,298 63	
Taxes	283,342 51	
Assessors		\$189 24
Benjamin G. Brown School, Land Addition		1,500 00
City Auditor		20 57
City Clerk		69 77
City Engineer		30 86
City Messenger		107 91
City Solicitor		70 31
City Treasurer		236 16
Clerk of Committees and Departments		62 15
Contingent Fund		77 72
Coupons		14,937 50
Excess and Deficiency		9,756 80
Election Expenses:—		
City Clerk		631 92
Commissioner of Public Buildings		277 09
Pay of Election Officers		62 00
Registrars of Voters		152 03
Electrical Department		129 88
Electrical Department, Underground Construction		928 90
Executive Department		62 89
Fire Department, Additional Apparatus		5,059 55
Health Department, Medical Inspection in Public Schools		72 55
Highways Construction		5,951 51
Highways Construction, Lowell-Street Bridges		31,567 13
Highways Maintenance		12,341 59
Highways, Suppression of Elm-leaf Beetle		153 20
Highways, Suppression of Gypsy and Brown-tail Moths		2,176 15
Highways, Sprinkling Streets		10 96
Interest		14,069 20
Military Aid		390 00
Overlay and Abatement		6,882 29
Overplus on Tax Sales		118 13
Printing and Stationery		514 77
Public Buildings Construction:—		
Building Public Buildings		415 49
Addition to Contagious Disease Hospital		2,937 60
Public Grounds		18 84
Amounts carried forward	\$499,418 22	\$111,982 66

APPENDIX TO TREASURER AND COLLECTOR'S REPORT. 147

Amounts brought forward	\$499,418 22	\$111,982 66
Public Library:—		
Frances A. Wilder Children's Department Fund		100 00
Frances A. Wilder Children's Department Fund, Income		4 40
Isaac Pitman Fund, Art		4,251 66
Isaac Pitman Fund, Poetry		1,062 92
Isaac Pitman Fund, Income, Art		127 27
Isaac Pitman Fund, Income, Poetry		34 26
Reduction of Funded Debt		10,519 34
Sanford Hanscom School, Land Addition		3,500 00
School Contingent		202 46
School Teachers' Salaries		1,793 65
Sealer of Weights and Measures		21 80
Sewers Construction		13,766 01
Sewers Maintenance		29 60
Sidewalks Construction		66 69
State Aid		5 00
Sundry Persons		699 65
Support of Poor, City Home		464 92
Support of Poor, Miscellaneous		785 93
Temporary Loans		350,000 00
	<u>\$499,418 22</u>	<u>\$499,418 22</u>

APPROVAL OF TREASURER'S REPORT.

In Committee on Finance, February 10, 1910.

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 1909.

Respectfully submitted,

RAY R. RIDEOUT,	} Committee on Finance.
JESSE E. PERRY,	
ALPHONSO A. WYMAN,	
LESLIE E. A. SMITH,	
PAUL R. VALENTINE,	
WILLIAM E. COPITHORNE,	

In Board of Aldermen, February 10, 1910. Accepted.

FREDERIC W. COOK, Clerk.

REPORT OF THE SCHOOL COMMITTEE.

School Committee Rooms, January 1, 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, 1909.

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

MEMBERS.

Term expires
January.

EX-OFFICIIS.

JOHN M. WOODS, Mayor, 47 Spring street. 1910
 CHARLES A. BURNS, Pres. Board of Aldermen, 27 Thurston street. 1910

WARD ONE.

DR. HENRY F. CURTIS, 145 Perkins street. 1910
 EMORY F. CHAFFEE, 109 Pearl street. 1911

WARD TWO.

DANIEL H. BRADLEY, 19 Concord avenue. 1910
 THOMAS M. CLANCY, 52 Springfield street. 1911

WARD THREE.

GEORGE E. WHITAKER, 75 Walnut street. 1910
 WILBUR S. CLARKE, 40 Vinal avenue. 1911

WARD FOUR.

CHARLES A. KIRKPATRICK, JR., 27 Sewall street. 1910
 GEORGE W. FOSTER, 7 Evergreen avenue. 1911

WARD FIVE.

HENRY H. FOLSOM, 103 Central street. 1910
 J. WALTER SANBORN, 183 Central street. 1911

WARD SIX.

FREDERICK A. P. FISKE, 44 Cherry street. 1910
 DR. LEONARD H. POTE, 694 Broadway. 1911

WARD SEVEN.

DR. GEORGE C. MAHONEY, 97 College avenue. 1910
 *MRS. HENRIETTA B. H. ATTWOOD, 12 Park avenue. 1911
 †HARRY G. CHASE, 37 Sawyer avenue. 1910

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 clerks:—

Mary A. Clark, 42 Highland avenue.
 Mildred A. Merrill, 26 Cambria street.

* Died May 21, 1909.
 † Elected September 15, 1909.

STANDING COMMITTEES, 1909.

Note.—The member first named is chairman.

High Schools.—Sanborn, Mahoney, Curtis, Clancy, Clarke, Foster, Fiske.

District I.—Curtis, Chaffee, Foster.

PRESCOTT, HANSCOM, DAVIS, BENNETT.

District II.—Bradley, Clancy, Clarke.

KNAPP, PERRY, BAXTER.

District III.—Whitaker, Clarke, Curtis.

POPE, BELL, CUMMINGS.

District IV.—Kirkpatrick, Foster, Chaffee.

EDGERLY, GLINES.

District V.—Folsom, Sanborn, Kirkpatrick.

FORSTER, BINGHAM.

District VI.—Fiske, Pote, Folsom.

CARR, MORSE, PROCTOR, DURELL, BURNS, BROWN.

District VII.—Mahoney, Chase, Fiske.

HIGHLAND, HODGKINS, LINCOLN, LOWE.

Additional School Accommodations.—Mahoney, Sanborn, Curtis, Clancy, Clarke, Kirkpatrick, Fiske, Woods, Burns.

Evening Schools.—Fiske, Folsom, Whitaker.

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

Industrial Education.—Foster, Clarke, Chase.

Medical Inspection.—Curtis, Pote, Mahoney.

Music.—Curtis, Bradley, Chase.

Private Schools.—Clancy, Pote, Kirkpatrick.

Repairs of School Buildings.—Folsom, Clancy, Foster.

Rules and Regulations.—Bradley, Fiske, Mahoney.

Salaries.—Kirkpatrick, Whitaker, Sanborn.

Supplies.—Clarke, Chaffee, Sanborn.

Text-Books and Courses of Study.—Whitaker, Chaffee, Bradley, Kirkpatrick, Folsom, Pote, Chase.

Vacation Schools.—Pote, Foster, Chase.

REPORT OF THE SUPERINTENDENT OF SCHOOLS.

To the School Committee of Somerville:—

Herewith is respectfully submitted the thirty-eighth annual report of the Superintendent of Schools, the second prepared by the present writer. It contains statistical tables and summaries which reveal facts of cost and attendance such as have usually been furnished by the School Committee for the information of the public. A few additional tables are supplied because of their timely interest. Certain phases of the work of the schools and certain problems of organization are discussed at length, but many of the most interesting and vital of the school activities are passed over without comment, not because of their lack of importance, but because of the proper limitations upon the length of such a report. Following the order of presentation which has been in use for a number of years, the first item is:—

1.—Summary of Statistics.

Population, United States census, 1890.....	40,117
Population, state census, 1895.....	52,200
Population, United States census, 1900.....	61,643
Population, state census, 1905.....	69,272
Children between five and fifteen years of age, October, 1908, by school census.....	12,217
Children between five and fifteen years of age, October, 1909, by school census.....	12,419
Increase	202

2.—SCHOOL BUILDINGS.

	1908.	1909.	Decrease.
Number of school buildings.....	26	20	0
Number of classrooms in use in December	287	286	1
Valuation of school property.....		\$1,443,280	

3.—TEACHERS.

	1908.	1909.	Increase.
In high schools.....	58	59	1
In grammar schools.....	164	166	2
In primary schools.....	104	105	1
In kindergartens.....	8	8	0
Total in elementary schools.....	276	279	3
Cadet teachers.....	1	3	2
Special	10	10	0
Total	345	351	6

4.—ATTENDANCE FOR YEAR.

	1908.	1909.	Increase.
Entire enrollment for the year.....	15,105	15,363	258
Average number belonging.....	12,159	12,423	264
Average number attending.....	11,453	11,666	208
Per cent. of daily attendance.....	94.2	93.9	—0.3
High school graduates.....	235	265	30
Grammar school graduates.....	742	741	—1

5.—ATTENDANCE IN DECEMBER.

	1908.	1909.	Increase.
Whole number attending.....	14,640	14,813	173
In private schools.....	1,838	1,906	68
In public schools.....	12,802	12,907	105
In high schools.....	1,663	1,769	106
In elementary schools.....	10,943	10,931	—12
In kindergarten.....	196	207	11
In first grade.....	1,572	1,595	23
In second grade.....	1,430	1,404	—26
In third grade.....	1,349	1,346	—3
In fourth grade.....	1,307	1,307	0
In fifth grade.....	1,300	1,249	—51
In sixth grade.....	1,211	1,199	—12
In seventh grade.....	1,133	1,122	—16
In eighth grade.....	865	950	85
In ninth grade.....	771	759	—12

6.—COST OF SCHOOL MAINTENANCE.

	1908.	1909.	Increase.
Salaries of teachers.....	\$289,190.45	\$293,209.85	\$4,019.40
Salaries of officers.....	5,210.50	5,629.17	418.67
Cost of books and supplies..	26,377.15	21,818.93	—4,558.22
Cost of light.....	3,830.73	4,070.71	239.98
Cost of janitors' services...	25,245.19	26,071.97	826.78
Cost of fuel.....	14,911.94	14,798.06	—113.88
Telephones	336.02	550.52	164.50
Total cost of day and evening schools	365,151.93	366,149.21	997.23
Per capita cost.....	30.03	29.47	—0.56
Cost of high school instruc- tion	68,029.27	69,084.54	1,055.27
Per capita cost.....	43.52	41.82	—1.70

7.—MISCELLANEOUS.

	1908.	1909.	Increase.
Paid for new school buildings	\$18,271.25	\$828.00	—\$17,443.25
Repairs and permanent improvements	17,792.21	21,195.13	3,402.92
Total school expendi- tures	401,215.44	388,172.34	—13,043.10
Valuation of city.....	63,153,400.00	63,659,201.00	500,801.00
Number of dollars spent to maintain schools out of every \$1,000 of valuation..	5.78	5.75	—0.03
Number of dollars spent for all school purposes out of every \$1,000 of valuation	6.35	6.10	—0.25

The laws of the state lay upon the School Committee the duty of making an annual count of all the children between the ages of five and fifteen, and of illiterate minors over fourteen. The purpose of this law is to provide a method of ascertaining facts which are needed to enable the authorities to know how many children there are of compulsory school ages, and how

many more there are of school ages not included in the compulsory attendance period. Last September six persons were employed to make the enumeration, and they undertook the work with an intention to make the returns trustworthy and accurate. It is probable, therefore, that, so far as care in obtaining the information recorded can safeguard against error, the figures are approximately true. But there are circumstances entering as elements in the problem which work against the securing of entirely reliable returns. The length of the period over which the enumerating extends, the uncertainty as to the reliability of information given to the enumerators in some instances, and the coming to the city after the enumerator has passed a given locality of new families are such circumstances.

School Registration. The chief service rendered to school authorities by the school census is found in the comparison which it makes possible between the number of children in the city with the enrollment lists of the public schools and the facts of attendance in private schools. Turning to the latter record for information, it is shown that there were in attendance in the public schools on October first 10,768 children between the ages of five and fifteen years, 1,775 in the private schools, making a total of 12,543. The census report shows 12,419 as the number of children between the ages of five and fifteen years. The number obtained from the school registers is 124 in excess of that given by the school census. Correspondence between the two records is so close in this instance as to give the appearance of reliability to each. Passing to the records of children between the ages of seven and fourteen, the compulsory attendance period, the results are not correspondingly satisfactory. According to the school census, there are 9,378 children of compulsory school age, whereas the number shown to be in school is 8,977. If the school census figures are correct in this particular, there were on October first 401 children of compulsory school age who were not actually in school. Of this number, there were reported as being out on account of sickness 62, which leaves 339 unexplained. It is not believed that such a large number of children were evading the requirement to attend school. It is probable that the number reported by the school census is made over-large by transferring to the group of seven to fourteen years children whose ages really are in groups bordering that period. The efficiency of our enforcement of the attendance law is too great to permit so large a number of children of compulsory school age to be overlooked.

School Attendance. The whole number of pupils enrolled in 1909 was 15,363, an increase over last year of 258 pupils. The average membership is 12,423, an increase over last year of 264 pupils. The per cent. of attendance is 93.9; that of last

year, 94.2. Four thousand four hundred twenty-two cases of tardiness were reported, an increase of 540.

Schoolhouses. The number of schoolhouses has not been increased during the year. There are now 26 schoolhouses; of these, the Forster is the oldest, having been in use for 43 years. The Prescott has been in use 42 years, the Morse 40, and the Edgerly 38 years. There are 5 buildings which have been in use less than 10 years. Within the last five years additions have been made to the Latin High, the Bingham, the Brown, and the Hanscom, providing in the high school 8 rooms and in the elementary schools 16. In 1899 the average membership of 9,502 was accommodated in 219 schoolrooms, with 43+ to a room; in 1909 an average membership of 12,423 is distributed among 286 rooms, with 43+ to a room. The increase in average membership during the last year was 264, a number sufficient to form six classes of normal size. This increase has produced in certain sections of the city over-crowding of school buildings.

It has been necessary to crowd children into rooms which ought to accommodate a much smaller number, and to use hallways for recitation purposes. Certain rooms in basements now in use as classrooms are unfit for that purpose, and should be abandoned as soon as other provision can be made. This over-crowding of accommodations in several schools has led to an unsatisfactory classification of pupils and to an increase in the cost of their instruction. Relief from these conditions should be sought without delay.

The most important need of the schools to-day is additional room.

Another condition which should be noted is the rapid increase of population in West Somerville. There are many new houses in process of construction, and it is predicted that within the next year many more will be built. In this way there will arise a condition which the existing school facilities will be inadequate to meet. Some provision for this growth should be made before the opportunity to secure the needed land is lost. In discussing school accommodations, it is proper to take note of the fact that in several school districts it would be a wise policy to secure additional land, both for present playground needs and for future building purposes. The ratio of playground space to the number of children in attendance upon our schools is small in most instances. In some cases it is absolutely insufficient. It would be economy, both for present and for future well-being, to acquire in the neighborhood of the school buildings wherever land adjoining the schools is vacant enough additional space to provide adequate playgrounds for the children now, and for such future needs as the growth of the neighborhood shall dictate.

In order to find present relief from the conditions of overcrowding noted above, I recommend that portable school-houses be purchased. These houses make provision for one class each and, as their name implies, they can be moved from locality to locality, as need for them makes desirable. Such houses could be set up adjacent to several of our school buildings, and thereby provide rooms for pupils now poorly housed.

During the last year the heating plant of the Highland School has been improved by the substitution of a new system, making probable a sufficient heating of that building. No other marked alteration of the building conditions has been made. It is to be hoped that in the near future money will be available for altering several of the old buildings, so as to provide window space sufficient to remove the necessity of using artificial light. This change is entirely practicable, and one which consideration of sound financial policy would approve. There is now the need for artificial light in a number of school buildings which could be entirely overcome if more window space were provided. The cost for such a change would in a series of years be more than met by the outlay caused by the artificial illumination. There can be no question as to the desirability of this change from the standpoint of consideration for the children. The necessity for artificial illumination of a schoolroom is always to be deplored. Such lighting is not satisfactory, endangers the health of the children, and makes a large item of expense. It would seem to be good policy to inaugurate a plan for the altering of the older buildings, so as to provide a sufficiency of window space.

During the last year provision has been made for sanitary drinking fountains in a number of buildings. The danger from the common drinking cup is beginning to be recognized. That the public is not more concerned about the prevalence of the use of a common drinking cup by school children is probably due to the fact that the dangers of such use have not been set forth in such way as to command general attention. The Massachusetts State Board of Health has recently sent out a circular calling attention to the use of a common drinking cup in public places as a menace to the health of the community. This is in accordance with the best medical view, which regards the drinking cup as a source of danger which should be removed. This is fortunately not a difficult thing now to do. There are several devices which can be secured at a small expense which provide opportunity for a pupil to get a drink of water without the interposition of any cup. Such devices are known as the bubble fountain. During the last year bubble fountains have been installed in a number of buildings. The following table shows where they are placed and how many drinking places equipped with cups still remain. These drinking cups should give way rapidly to the bubble fountain equip-

ment. Marked advance has been made, however, by the reduction of the number of such places, and the hope is held out that they will soon disappear:—

	Bubble Jan. 1, 1909.	Bubble During Year.	Cups.		Bubble Jan. 1, 1909.	Bubble During Year.	Cups.
Latin.....			9	Glines.....		2	2
English.....			15	Forster.....		3	4
Prescott.....		2	1	Bingham.....	2	2	
Hanscom.....		2		Carr.....		2	5
Davis.....		2	2	Morse.....		2	8
Bennett.....		3	1	Proctor.....	2		
Baxter.....		2		Durell.....		2	1
Knapp.....		2	8	Burns.....			5
Perry.....		2		Brown.....			2
Pope.....		2		Highland.....		3	3
Bell.....		2	1	Hodgkins.....		2	4
Cummings.....		2		Lincoln.....			4
Edgerly.....		2	4	Lowe.....	2		
				Totals.....	6	41	79

Changes of Teachers. Our schools have lost the services of twenty-two teachers during the last year. Of these, Miss Helen Tincker surrendered the office of principal of the Baxter School on October 1, after a service in the schools of more than thirty-six years. For a long time she continued in the work of teaching against the importunities of friends, who sought to draw her into a life of leisure and travel. A spirit singularly devoted to the interests of the children of the community in which she worked forbade her to yield to such entreaties. Her work for the children of the Baxter School was in a class by itself. Possessed of generous culture, a mind enlarged by travel, a temperament singularly responsive to the appeals of childhood, she devoted her time, and strength, and affection to the children whose interests were so dear to her. Such as she ennoble the teachers' calling. That she may enjoy and profit by the leisure which is now hers is the hearty wish of those who know the merit of her work.

Another loss to the schools was occasioned by the call of the Unseen Messenger. Miss Charlotte F. Mott, after a lingering illness, departed from this life February 11, 1909. No better memorial of her service can be given than the resolutions adopted in her memory by the Somerville Teachers' Association. These resolutions appear in another place in this volume.

The others left either for the sake of professional advancement or to assume charge of homes of their own. They were men and women who gave freely of their energies and their talents to the interests of our schools, and their leaving is a loss keenly felt in many personal and official relations.

The places so made vacant have not been readily filled. The problem of seeking competent teachers is a difficult one, requiring the exercise of care and sometimes the spending of much time. It is believed that those who have been elected during the last year will all prove to be worthy of the places to which they have been called.

The Latin School. The membership of this school has risen from 504 to 570 within the year, an increase of sixty-six, without any change in the teaching force. This number is divided among the classes as follows:—

	1909.	1908.	Change.
Post-graduate.....	7		
Senior	100	104	—4
Junior	133	100	+33
Sophomore	127	143	—16
Freshman	203	156	+47

With the head master, there are fifteen teachers in the school, six 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 Gertrude M. Hall, the head of the English department, left the school for professional advancement. Her place was taken by Miss Natalie A. Smith, a teacher in the Reading high school and a graduate of Wellesley. Miss Mabel E. Bowker, who resigned to enter the schools of Boston, was succeeded by Miss Kate M. Monroe, a graduate of Mt. Holyoke, who at the time of her election was a teacher in the high school at Biddeford, Me.

Ninety-one pupils were graduated from the school in June, fifty 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	572	French	142
History	336	German	204
Mathematics	572	Greek	135
Physics	65	Drawing	30
Latin	552	Chemistry	19

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 1904.	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.
December 15, 1st year	103	111	125	121	136	139	124	162	156	203
“ “ 2nd “	93	97	106	112	120	124	109	143	127	...
“ “ 3rd “	88	95	93	92	101	107	100	133	...	...
“ “ 4th “	84	81	93	83	102	104	100	...	...	...
Graduates	73	76	81	75	94	91	...	...	...	...
Loss per cent. 1st year	9.7	12.6	15.2	7.4	11.8	10.8	12.1	11.7	18.6	...
“ “ 2nd “	5.4	2.1	14.0	17.9	15.8	13.7	8.2	7.0	...	...
“ “ 3rd “	4.5	14.7	0.0	9.8	0.0	2.8	0.0	...	...	...
“ “ 4th “	13.1	6.1	12.9	9.6	7.8	12.5	...	...	...	...
Total	29.1	31.5	35.2	38.0	30.9	34.5	...	...	...	...

The English School. One thousand two hundred and forty-five pupils have been members of the school since the opening of the term in September. Forty-six of these have dropped out, leaving at the present time a membership of 1,199, thirty-nine more than there were a year ago at this time. They are classified as follows:—

	1909.	1908.	Change.
Post-graduate	8	10	—2
Senior	185	182	+3
Junior	227	218	+9
Sophomore	345	309	+36
Freshman	434	441	—7

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

Five new teachers were added to the corps in September:—

Cara F. Dillingham, Mt. Holyoke, French and German.

Roy W. Hatch, Dartmouth, '02, history.

Frank A. Scott, Harvard, '03, physics.

Stephen E. Wright, Brown, '06, algebra, geometry, and German.

Augustus B. Tripp, laboratory assistant.

The school lost four teachers.

The following table shows the losses that the school has sustained during the last ten years:—

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

MEMBERSHIP.	Class of 1904.	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.
December 15, 1st year .	246	261	250	252	267	350	399	422	441	434
“ 2nd “ .	178	214	190	220	224	286	301	309	345	...
“ 3rd “ .	147	180	158	187	194	205	218	227	...	...
“ 4th “ .	112	148	140	162	164	182	185	...	...	...
Graduates	106	135	127	148	141	174	...	...	...	...
Loss per cent. 1st year	27.2	18.0	24.0	12.7	16.1	18.3	24.6	26.8	21.8	...
“ “ 2nd “	17.4	15.9	16.8	15.0	13.4	28.3	27.6	26.5	...	...
“ “ 3rd “	23.8	17.8	11.4	13.4	15.5	11.2	15.1	...	...	...
“ “ 4th “	5.4	8.7	9.0	8.6	14.0	4.4	..	...	...	...
Total	56.9	48.3	49.2	41.7	47.2	21.7	...	...	...	...

In June the school graduated 174. Twelve of these entered college, eight, technical schools, and eleven, normal schools.

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

English	1,197	Commercial:—	
History	909	Law	12
Mathematics	853	Bookkeeping	112
Chemistry	111	Stenography	168
Physics	109	Arithmetic	230
Biology	73	Geography	46
Physiology	208	Penmanship	325
Latin	249	Typewriting	186
French	446	Elocution	722
German	113	Manual training	250
Physical geography.....	31	Music	1,137
Mechanical drawing.....	343	General science.....	378
Freehand drawing.....	362		

Elementary Schools. There are now in these schools 10,931 pupils, twelve less than a year ago. They are classified as follows:—

	1909.	1908.	Change.
Grade 1.....	1,595	1,572	+23
“ 2	1,404	1,430	—26
“ 3	1,346	1,349	—3
“ 4	1,307	1,307	0
“ 5	1,249	1,300	—51
“ 6	1,199	1,211	—12
“ 7	1,122	1,138	—16
“ 8	950	865	+85
“ 9	759	771	—12

In June last 741 were graduated from the grammar schools, sixteen more than last year. Of these, 546, or seventy-four per cent., entered the high school, 364 going to the English and 182 to the Latin.

During the year we have issued 357 working certificates to minors under sixteen, 243 of which have been given to grammar

school boys and girls from the five upper grades. 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 \$4,063.44, or \$21.50 for every child that attended.

The details are as follows:—

	Hanscom.	Bennett.	Baxter.	Glines.	Total.
Enrollment	108	110	107	97	422
Average membership	47	51	48	43	189
Average attendance	39	44	42	39	164
Per cent. attendance	83.3	86.2	86.3	92.2	86.8
Age	4—7	4—6	4—8	4—8	4—7

Evening Schools. The night schools were opened on the first Monday in October, as follows:—

Evening High School, William D. Sprague, master.

Prescott Evening, Charles T. Murray, master.

Bell Evening, John S. Emerson, master.

Highland Evening, Charles E. Brainard, master.

The largest of the elementary schools is the one in the Bell School. Here the work has peculiar interest because of the attendance of many non-English speaking foreigners. Section 17, Chapter 514, Acts of 1909, defines the word "Minor" as a person under eighteen years of age. The effect of this definition has been to release from the application of compulsory attendance at night schools illiterate persons of the ages of eighteen to twenty-one years, who heretofore have been compelled to go to night school. As a consequence, the attendance at the Bell evening school has been reduced a fifth. The other elementary schools have held their normal attendance. All are doing valuable work.

The evening high school had 751 pupils in November of this year as against 691 in November of last year. The following courses are provided: Shorthand and typewriting, book-keeping, mechanical drawing, freehand industrial drawing, algebra, commercial arithmetic, English composition, physics, and chemistry.

The work is all practical, and is adapted to the needs of persons who seek to better their preparation for earning a living.

Mr. William D. Sprague, who was elected master of this school upon the resignation of George W. Earle, has shown

power and interest in the management of the school. In his hands, with the corps of competent instructors who assist him, the school will continue to render most practical and valuable service.

Cost of the Schools. The total amount spent for the maintenance of the schools of Somerville in 1909 is \$366,149.21. This does not include the sums spent on schoolhouse repairs and for new buildings. It does cover the amount paid for the care of school buildings, for janitors' services, fuel, light, and school telephones. This expenditure is wholly in charge of the city government.

The amount paid for janitors is.....	\$26,071.97
The cost of fuel is.....	14,798.06
The cost of light is.....	4,070.71
The cost of the school telephones is.....	550.52
	<hr/>
A total of.....	\$45,491.26
The cost per capita.....	3.66

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.....		\$5,629.17
Books	\$6,887.09	
Stationery	5,294.54	
Laboratory and manual training supplies	2,417.55	
Bookkeeping blanks.....	256.24	
Writing books.....	1.28	
Maps, charts, etc.....	76.50	
Drawing	872.38	
Typewriters and supplies.....	523.28	
Printing	1,137.07	
Telephone	204.20	
Kindergarten supplies.....	275.94	
Express and postage.....	300.31	
Travel	191.10	
Graduation exercises.....	845.71	
Bookbinding	936.13	
Board of truants.....	791.56	
Census	261.02	
Book covers.....	36.35	
Repairing and tuning pianos.....	37.50	
Miscellaneous	423.18	
	<hr/>	
Total for school supplies, etc.....		21,818.93
		<hr/>
Total outlay on school contingent account..		\$27,448.10
Appropriation		27,000.00
		<hr/>
Deficiency		\$448.10
Received for damage to school property, tuition of state wards and non-residents, etc.....		650.56
		<hr/>
Balance		\$202.46

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	\$29,825.07
February	29,997.00
March	29,442.50
April	28,418.63
May	28,475.13
June	28,428.94
September	28,560.63
October	30,454.32
November	30,181.63
December	29,426.00
Total	\$293,209.85
Amount of appropriation.....	295,000.00
Balance	\$1,790.15
Credit	3.50
	\$1,793.65

The estimate of the School Board for teachers' salaries amounted to \$296,445. The expenditure was \$3,235.15 less.

The total outlay for all school purposes in 1909 was as follows:—

Teachers' salaries.....	\$293,209.85
Administration	5,629.17
Care of schoolhouses.....	45,491.26
School supplies.....	21,818.93
Total for school maintenance.....	\$366,149.21
Paid for repairs.....	21,195.13
Paid for new buildings.....	828.00
Total for all school purposes.....	\$388,172.34

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

	1904.	1905.	1906.	1907.	1908.	1909.
Teachers' salaries..	\$0.793	\$0.792	\$0.792	\$0.785	\$0.792	\$0.801
Administration	0.016	0.013	0.016	0.016	0.015	0.015
Janitors' salaries...	0.070	0.070	0.070	0.070	0.070	0.071
Heat and light.....	0.053	0.061	0.052	0.057	0.051	0.052
School supplies....	0.068	0.064	0.070	0.072	0.072	0.061
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 1908 AND 1909.

	High Schools.			Grammar and Primary Schools.			All Day Schools.		
	1908.	1909.	De-crease.	1908.	1909.	De-crease.	1908.	1909.	De-crease.
Instruction . . .	\$43 52	\$41 82	\$1 70	\$20 64	\$20 63	\$0 03	\$23 58	\$23 44	0 14
Supplies	4 90	4 59	0 31	1 71	1 26	0 45	2 12	1 70	0 42
Care	4 85	4 36	0 49	3 30	3 38	+0 08	3 50	3 51	+0 01
Total	\$53 27	\$50 77	\$2 50	\$25 65	\$25 27	\$0 38	\$29 20	\$28 65	\$0 55

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

	1906.	1907.	1908.	1909.
Cost of instruction.....	\$22.63	\$22.93	\$24.21	\$24.06
Cost of supplies.....	1.92	2.04	2.17	1.76
Cost of care.....	3.45	3.65	3.65	3.66
Total	\$28.00	\$28.62	\$30.03	\$29.48

An examination of these tables shows that we have paid \$1.70 less for the instruction of each pupil in the high school than in 1908, and thirty-one cents less per pupil for supplies.

The grammar and primary schools have cost one cent less per pupil for instruction, and forty-five cents for supplies.

The decrease in the per capita cost of instruction is due to changes in the teaching corps of the high and elementary schools. The schedule of salaries provides a yearly increase to such teachers as have not reached the maximum of their classes. The effect of this schedule is to raise the cost of instruction year by year until all teachers arrive at the maximum salary, when a level cost will be reached. This tendency can be offset by the employment of new teachers at a salary less than the maximum of their classes or less than that of the teachers whose places they take. A number of the teachers who resigned during the year were receiving the maximum salary, but their successors were engaged at salaries lower in the scale. The total saving in salaries by this process was enough to make the decrease in per capita cost noted.

There are several points in this matter significant enough to merit attention. The first is that an effort has been made by the Committee to spend in a careful, business-like way the money granted to it by the Board of Aldermen. Without sacrificing efficiency in any way avoidable, and with no willingness to sacrifice it, the Committee, nevertheless, has so attended to its duty in this particular as to make the best use of the city's money.

A second point is just as significant. The teachers who have resigned at maximum salaries have gone to larger salaries

elsewhere. They had served Somerville at the highest salaries available to them, but they were worth more, and could not be held by our scale. The teaching of this experience is that our maximum salaries are not too large. Those who come to us at lower than those salaries do so only because the attainable maximum is as large as it is. When they have reached it they, too, may move on. The maximum salaries are the determining values in getting and keeping good teachers. With certainty of reaching by length of service and by merit a maximum that is satisfactory, desirable teachers can be secured who are content to begin at salaries lower than that maximum.

The last point to be made is that it is plain that our salaries are not higher than are needed to provide for our schools the quality of instruction which they are now receiving, and which the standards of the city demand.

Considering all day schools together, the cost per capita has decreased fifty-five cents, resulting from a decrease of fourteen cents for instruction and forty-two for supplies, with an increase of one cent in the cost of the care of school buildings. Adding the cost of evening schools to that of day schools, we increase the cost of instruction by sixty-two cents, the cost of supplies six cents, and the cost of the care of school buildings fifteen cents. This makes the total cost for 1909 \$29.48 per capita, as against \$30.03 for 1908. In 1907 there were eighty-nine cities and towns in the Commonwealth in which the per capita cost was larger than it was in Somerville. The cost of maintaining our schools in 1908 was \$5.78 for every thousand dollars of the city's valuation, but there were seventy-eight cities and towns in the state that paid a higher rate. This year the maintenance of the schools in Somerville has taken \$5.75 of the \$12 allowed for the maintenance of all departments in the city.

Teachers' Salaries. The salaries paid to teachers in January, 1910, are as follows:—

1 man.....	\$3,000	1 woman.....	\$825
1 man.....	2,800	1 woman, 1 man.....	800
1 man.....	2,000	16 women.....	775
1 man.....	1,950	1 woman.....	750
11 men, 2 women.....	1,900	7 women.....	725
8 men.....	1,700	203 women.....	700
1 man.....	1,600	5 women.....	650
3 men.....	1,500	10 women.....	600
2 men.....	1,400	1 woman.....	550
4 men.....	1,300	4 women.....	525
2 women.....	1,200	5 women.....	500
1 woman.....	1,150	10 women.....	425
1 man.....	1,100	1 woman.....	400
12 women.....	1,000	3 women.....	350
5 women.....	950	1 woman.....	275
20 women.....	900	3 women, 1 man.....	200
1 woman.....	850		

Truancy. The truancy for the year amounted to 780 half-days, being 76 half-days more than the record of 704 half-days last year.

This is not an undue amount of truancy. Teachers and principals have been vigilant, and have co-operated in every way possible with the truant officer in the effort to prevent pupils being out of school improperly, and to detect such truancy as might occur.

Taken with the good average of attendance for the year, there is afforded a test of the efficiency of the schools, so far as attendance is concerned. The record is no lower than normal, and is probably somewhat better than that.

The following shows the record for the year:—

	1908.	1909.	Increase.
Number of visits to schools.....	401	787	386
Number of cases investigated.....	655	1,185	530
Number found to be truants.....	155	265	110
Number sent to the truant school.....	6	2	—4
Paid for board of truants.....	\$705	\$791	\$86

The 265 cases of truancy were caused by 201 individuals. Nine hundred and twenty cases investigated were found to be absences for which reasons satisfactory to the truant officer were given. Two hundred and eighty-four were out on account of illness.

While these cases furnished a large part of the work for the truant officer, and were apparently not of a nature to demand his services, it is probable that his visits to these homes promoted the attendance of children upon whose parents the obligations to send their children to school rests rather lightly. Six pupils were brought into court for sentence as truants. Two were sent to the truant school, and four released on probation.

Of the 201 truants, five were attendants of the high schools.

School Hygiene. The physical welfare of pupils has been kept prominent in the minds of school officers and teachers during the year. More efforts than ever have been made to secure good ventilation and to keep the temperature of rooms at a degree which the best authorities and our Rules and Regulations declare as a standard. A beginning of the banishment of the drinking cup for common use has been made, and added attention has been given to the relation of schoolroom lighting to the activities of pupils. The recess for all pupils in the morning and for primary pupils in the afternoon has been re-established. In most schools the recesses are held out of doors in suitable weather.

The eye and ear tests have been held as described in the last report, yielding results shown in the following tables. These tests, while lacking anything like expert quality, are nevertheless productive of much good. There is need of some

method of assuring attention to remedying such defects as the tests disclose. As it is, many ascertained defects continue because parents do not provide suitable treatment.

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

EYES.

	1908.	1909.	Change.
Tested	11,429	11,417	—12
Defective	2,307	2,200	—107
Per cent. defective.....	20.2	19.2	—1.0
Notices sent to parents.....	1,406	1,375	
Professionally treated.....	350	185	

EARS.

	1908.	1909.	Change.
Tested	11,854	11,890	+36
Defective	496	371	—125
Per cent. defective.....	4.2	3.1	—1.1
Notices sent to parents.....	331	284	
Professionally treated.....	34	35	

INDUSTRIAL EDUCATION.

At the September meeting, upon a motion by Mayor Woods, the School Committee passed an order directing the Committee on Industrial Education to take into consideration the whole question of industrial education and to report at the December meeting. In compliance with this order, a careful examination has been made of the status and tendencies of the movement for industrial education. Information upon the subject has been sought by means of a study of published reports, addresses, and discussions upon industrial education, by conferences with leaders in this movement, and by visiting schools where an effort is being made to provide this form of training. The time prescribed by the order of the Board for making this investigation has not been sufficient to permit an examination of a number of institutions whose experiments in this field of educational effort are of interest and value; the voices of speakers and writers upon this subject when clear have not been found always to be in unison, and the beginnings already made in various parts of the state differ greatly in plans and means used to provide industrial training; but, in spite of these limitations and contradictory conditions, it is possible to present a few conclusions with a degree of assurance that they represent fairly the trend of thought of educators upon this subject.

It has been sought in this investigation to find such answers to a few questions as would afford the School Committee adequate reasons for its guidance in determining what it should recommend for the schools of Somerville. The questions for which answers have been sought follow:—

1. What is the demand for industrial education?
2. How is the need to be met?
3. What should be done now to provide industrial training in the schools of Somerville?

1. Briefly stated, the demand for industrial education arises from the conviction that the old courses of instruction fail to fit for life a large proportion of the youth attending school. The curriculum of the elementary schools has been based upon the three R's of historic and honorable distinction. To be able to read, write, and do sums was for the youth a generation ago a preparation sufficient to enable him to enter some activity which would provide means of support. While the study of reading, writing, and arithmetic was then no more than now vocational in motive, its relative value as training for self-support was greater in former days than it is now. This change of value has come, not because it is less important to-day than formerly to be able to read, and write, and cipher, for it is vastly more important to-day to be able to do these things well, but because the marvelous changes in the conditions of living which have occurred in a comparatively few years have greatly impaired the potency as a preparation for earning a livelihood of that training of which the three R's were the principal factors. Moreover this training has never been equally effective for all pupils. The registers of the schools are burdened with the records of pupils whose attainments in book-learning have been mediocre. Such pupils have had little reason to expect to pass through the "door of opportunity" which stands invitingly open at the end of the literary courses. Having little aptitude for literary (cultural) courses, upon reaching the age when school attendance is no longer compulsory, they drop out of school to go to work, or, if they continue for a time longer, they do so with little advantage to themselves or satisfaction to the school. Others more successful at their books pursue one or another of the courses provided because of lack of opportunity to select one which leads to industrial life. It is urged with vigor that the needs of these pupils should be met by adding to the public school establishment such courses, agencies, and equipments as are required for a training which will give preparation for earning a living by means of a manual occupation. This in brief is the educational demand.

The educational demand is strongly supported and reinforced by the demands of employers of skilled labor that public instruction shall furnish as thorough preparation for the industries as it is giving for business and the professions. Employers assert that the supply of skilled labor is not equal to the demand, that the number of skilled workmen coming to this country from abroad is small, that the apprenticeship plan has failed largely and conditions are rapidly growing worse.

And finally, organized labor demands that "the boys and

girls of the country have an opportunity to acquire educated hands and brains, such as may enable them to earn a living in a self-selected vocation, and acquire an intelligent understanding of the duties of good citizenship." The report of the convention of the American Federation of Labor held in Toronto last November from which this quotation is taken goes on to say, "The one trouble of America to-day is that too many of our youths who have graduated from the grammar or high school are misfits industrially. If we are to secure industrial supremacy, or even maintain our present standards in the industrial world, we must in some way in our educational system acquire an equivalent to our old apprenticeship system." Also "We favor the establishment of schools in connection with the public school system, at which pupils between the ages of fourteen and sixteen may be taught the principles of the trades, not necessarily in separate buildings, but in separate schools adapted to this particular education and by competent and trained teachers."

These demands for a new order of educational effort have been taken by many as an attack upon the conduct of public education in the past and as an impeachment of the efficiency of that education. And there are not wanting those who hasten to resent the attack by stout denial of the claims for an education designed to promote industrial efficiency. That the old courses have given splendid vocational training for youths destined to enter professional, business, school, or scientific careers, can not be successfully questioned. That "industrial misfits" are also the products of that system is attested by the statements of employers and labor unions, and by the statistics of the schools themselves. That one sort of training is adapted to the needs of one part of the school attendance does not preclude the idea that another kind is needed for another part. Nor does the setting up of a course of instruction for new needs or needs newly recognized necessarily condemn that already established so far as it is successfully accomplishing its purpose.

2. Having indicated the grounds on which the claims for industrial education rest, the answer to these claims is to be sought. Here again, as in the first inquiry, confusion and contradiction abound. Volumes of discussion and theory are available for the bewilderment of the searcher for light who trusts solely to such aid. Fortunately, however, experiments have been undertaken in varied ways and in a number of places, each throwing a faint beam upon the problem, and the whole number when properly focused affording considerable illumination for its solution. In extent, full provision for industrial education would parallel the upper grammar school grades, the high school, and the college, ranging in quality from elementary preparatory work, through intensive trade instruc-

tion in a selected occupation, to schools or colleges for training foremen or superintendents. To satisfy the broad educational view, the matter of most consequence is to give suitable opportunities for training to those who must at the beginning be of the rank and file of industrial workers. Such an opportunity should of necessity be open to those in the elementary schools who intend to work at manual trades, or who would otherwise leave school upon reaching fourteen years of age. It should be open to youth of high school age and qualifications, whether or not they have had elementary industrial instruction.

Two kinds of effort have already been started which serve to illustrate methods by which advance in this new undertaking may be made. Of these, the first is the so-called "extension plan" or the Cincinnati University plan. As adopted in Fitchburg, this plan has excited wide interest and attention. Boys who take this course spend half their time in the high school and a half in a machine shop or other metal-working establishment. Their high school instruction is outlined to supply the teaching which is needed for that line of work. The shop work is conducted under the same conditions as surround regular workmen and is subjected to the same requirements. Here the boy learns methods and processes of making the articles produced in the shop and at the end of his course of four years he will be a skilled workman. During his course he receives pay for his work at the rate of ten to twelve and one-half cents an hour for labor in the shop. This plan is working satisfactorily to all persons concerned and has many admirable features. Wherever and to whatever extent it is possible, it has the distinguishing feature of being financially attractive: to the city, which pays nothing for it; to the boy, who gets pay while getting an education; to the manufacturer, who gets good return for his money and interest in the boy. That a plan so benign and advantageous to all concerned has not universally been adopted, is sufficient evidence of limitations to its application as a solution of the problem. Indeed, Fitchburg itself recognizes this limitation and is moving to provide training in manual arts for boys and girls in the seventh and eighth grades of grammar schools in a separate building provided by the state as a part of the state normal school. The pupils get the training and the normal school pupils give the training.

The second general plan for providing industrial training is worked out through schools created for the purpose. The place for holding such a school may be a building or part of one converted from some other to this use, or it may be a building constructed for this purpose; its equipment is determined by the trades to be taught; its course of study is industrial in motive, and its instructors are persons trained in the pursuits which they teach. Schools of this kind exist in a number of places. An independent industrial school was established last

September in New Bedford. Vocational work in two centres was started in the same month in Springfield.

A secondary industrial school established a few years ago as a part of the public school system of Columbus, Ga., has attracted favorable notice because of its successful working and adaptation to the needs of the community which supports it. Requirements for admission are sound bodies, fourteen years of age, and education in common-school studies through the sixth grade of the elementary schools. Its sessions continue throughout the year, with the exception of the month of August. The school hours are from 8 to 4 daily, excepting Saturday. Every course extends over three full years. Academic work is required of boys and girls, in addition to which the boys are taught carpentry, pattern-making, machinist's trade, cotton-mill work, and business pursuits; the girls, dress-making, millinery, and business training. While successfully fulfilling its purpose in preparing pupils for industrial pursuits, its enrollment does not increase as rapidly as the school authorities desire, a fact due in part, at least, to the unusual length of the session and daily school hours. A new school building was provided for this enterprise, towards the cost of which the city government gave \$30,000, and four gentlemen \$21,000. The site for the school, consisting of two and one-half acres, was presented by two more public-spirited citizens. It is at present possible to teach all the trades selected under one roof, but whenever the demand for instruction in any one trade increases to an extent to justify the change, a separate building will be provided for instruction in that trade. A primary industrial school had been in operation for four years in this city before the secondary school was established.

Industrial schools have been established in several other cities, corresponding in plan to one or another of these already described. All have one element in common, namely, an experimental quality. Motive and certain definitions of conditions for entrance and continuance in these schools are well set forth, but the extent of the applicability of this educational effort and what are to be its complete component parts are matters which are not laid down as yet by competent authority.

One more phase of this movement should receive mention. Evening industrial schools to provide training for day workers have been established in a number of neighboring cities. They form an important part in a comprehensive scheme, but it is not necessary to describe them further in this connection.

As a conclusion to this part of the discussion reference must be made to the status of industrial education as a part of the educational policy of the state of Massachusetts. During the last session of the state legislature a new educational organization was established superseding those then existing. The executive officer of the State Board is a commissioner of edu-

cation who is to have two assistants, called deputy commissioners. Of these one is to be in charge of the work of promoting and establishing industrial education in the state. A most important provision of the law concerning the establishment of industrial training is found in Acts and Resolves, 1906, Chapter 505, Section 5 (amended, 1909, Chapter 540).

Upon certification by the Board of Education to the auditor of the Commonwealth that a city, town, or district, either by moneys raised by local taxation or by moneys donated or contributed, has maintained an independent industrial school, the Commonwealth, in order to aid in the maintenance of such schools, shall pay annually from the treasury to such cities, towns, or districts a sum equal to one-half the sum raised by local taxation for this purpose: *Provided*, that no payment to any city or town shall be made except by special appropriation by the legislature.

Another provision of the law which is not generally understood in its full significance is Section 4 of Chapter 572 of the Acts of 1908, as follows:—

Any resident of Massachusetts may, with the approval of the commission on industrial education, attend an independent industrial school, as provided for in this act, located in any city or town other than that in which he resides, provided there is no such school supported in whole or in part by the city or town in which he resides, upon payment by the city or town of his residence of such tuition fee as may be fixed by said commission; and the commonwealth shall repay to any city or town one-half of all such payments. If any city or town neglects or refuses to pay for such tuition, it shall be liable therefor, in an action of contract, to the legally constituted authorities of the school which the pupil attended under the approval of said commission.

By this section cities and towns which do not support an independent industrial school may be compelled to pay the tuition of such of its residents as may, with the approval of the commission on industrial education, attend such a school located in any city or town other than that in which he resides. Six girls who live in Somerville are now in attendance at the Trade School for Girls in the city of Boston under the provisions of this section and bills for their tuition have been presented to the city of Somerville. It is apparent that anyone of our residents who has qualifications to satisfy the State Board of Education can obtain admission to an independent industrial school and require the city of Somerville to pay tuition therefor. Industrial education, therefore, is no longer merely a proposition to be considered, but is an established condition for some, at least.

3. Concerning the Needs of Somerville for Industrial Education.—Three views of the need of industrial education have now been considered. It has been seen that each view

gives prominence to a presentation which is characteristic of the interest affected. Manufacturers demand greater efficiency in the graduates of the schools. Organized labor demands an education for industrial efficiency. Education is concerned in developing in each individual his highest possibilities, in leading him from the bondage of ignorance to the liberty of conscious power, which is life. Educating the individual and giving him industrial training are not two unrelated processes, separate, distinct, and mutually suspicious. Industrial education is a part of a whole, which is the education of the individual himself. But although these views are differently expressed and present different reasons for their demands, a common ground among them can be found in the claim that education in industrial knowledge and skill is needed for many as a preparation for earning a living, which, of necessity, is their most imperative activity. Over the question whether education may properly have as one of its aims preparation for earning a livelihood, there is now little need of lingering. The multiplied demands of society and the vocational courses already established as parts of the system of public education make such a discussion of little more than academic interest. Therefore, the demands that a training for industrial efficiency should be provided for those whose lives shall be spent in productive pursuits are logical and founded upon sound educational and economic policy. It is sound educational doctrine to fit a child for life and its environment. It is sound economic policy to increase the value of a youth to society by fitting him to render his maximum service to society. At present there is provided for all good instruction in the intellectual arts, essential alike as the foundation of professional, business, and industrial pursuits, but sufficient training of eye and hand is not given by the school or by the home life of most city children to prepare them to enter any of the industrial occupations with a prospect of success. Manual training is a beginning for such training, but as generally conducted is void of vocational motive, and consequently not a method for securing a vocational end. Other agencies, then, must be provided if this purpose is to be realized. What those agencies should be is determined by the character of the community and the number and the needs of pupils for whom provision is to be made.

It has already been pointed out that pupils for whom such provision is demanded are of two classes,—those in the elementary schools who leave school as soon as they are fourteen, and those who continue into the high school only to take courses for which they are unfitted. For our schools the number of the former can be ascertained, but that of the latter is somewhat conjectural. During the year 1909 age and schooling certificates were issued from the office of the Superintendent of Schools permitting 179 boys and 178 girls to go to work.

The places into which they went are shown in the following table:—

		Boys.	Girls.
Manufacturing Estab- lishments	Confectionery	3	52
	Jewelry	4	16
	Soap Works.....	4	
	Rubber	11	18
	Box	1	4
	Union Glass Co.....	6	
	Machine	8	
	Crackers	1	5
	Library Bureau.....		2
	Shoes	1	2
	Publishing house.....		1
	Preserve		10
	Printing	4	
	Derby Desk.....	3	
Electric Co.....	3		
Miscellaneous	10	7	
Stores	Grocery	15	3
	Department	19	37
	Drug	2	
	Fruit	3	
	Miscellaneous	18	3
Miscel- laneous	Postal Telegraph Cable Co.....	6	
	Teaming	2	
	Squire's and North's.....	13	1
	Lunch	1	1
	Barber	1	
	Wood and coal.....	3	
	Millinery		1
Laundry		1	
	Unknown	37	14
	Total	179	178

From this statement it will be seen that many sought employment outside of Somerville, and most of them in occupations requiring little skill and offering but small opportunities for life employment. The children have chosen to go to work in places yielding small immediate rewards, with no prospect of advancement and with no value as means for providing life careers. They have chosen to leave school for a contest with the problems of life, and have begun their struggle poorly prepared. To keep such children in school until they shall be better prepared for beginning to earn a living is important to them and to the community.

The number of pupils now attending the Somerville High School who would be better suited by courses leading to indus-

trial occupations is unknown, but is susceptible of some approximate ascertainment. It is a matter of great importance, both in its bearing upon the question of what should be done to provide new opportunities for our youth and upon the problem of the development of the high schools. The development of these schools along the lines of their present activities is arrested by the limitations set by buildings now greatly overcrowded.

Should plans for providing industrial training and for giving relief from overcrowded conditions in the high schools coincide?

It has been shown that provision for industrial training may be made in city schools under three different forms, namely, evening industrial schools, schools or courses parallel to existing high schools in which intensive work in trade instruction may be given, and by courses for the upper grades of the elementary schools intended to lead directly to the secondary school.

In our evening high school a good beginning has already been made. Very few additional courses would be required to make it in name as well as in fact an evening industrial school. For the intermediate and elementary industrial schools we have no provision. For them courses of study, equipment, accommodations, and maintenance are required. The law of organizing these courses of work should be development from small beginnings through experiment and experience to the full measure of need.

To summarize, the following statements are made:—

1. Provision for industrial education as a part of the school system is desirable.

2. Such provision should be made by courses in evening industrial classes (schools), intermediate classes, and elementary classes.

3. Boys and girls should be included in plans for industrial education.

4. While the extension or Cincinnati University plan should be used so far as practicable, suitable accommodations in addition to those now available are indispensable to the accomplishment of this work.

5. Such courses should be given for specialized work in the intermediate school as would meet the most widespread need. Such need should be determined by reference to the present and prospective industries of Somerville, and to the occupations in neighboring cities which furnish employment to our youth.

6. In the evening industrial and in the intermediate school "literary" instruction should be combined with practice in trades, or shop work.

7. In the elementary industrial school a larger part of the time should be given to manual work, and the "literary" work should be stimulated by interest in industrial geography, history, etc.

Manual Training. Two advanced steps have been taken in this subject this year, the first in the appointment of a supervisor, and the second in providing knife work in wood for boys of the sixth and seventh grades.

The importance of the first step lies in the fact that an expert in manual training is provided to supervise the work as a whole in the grade and high schools. In organizing the work, in planning courses for the several grades, in assisting and advising teachers, he will exert a stimulating and helpful influence upon all those engaged in this department. It may be confidently expected that, under his direction, with the able assistance of the teachers, this work will develop in interest, plan, and results. To the position of supervisor the School Board elected Frederick O. Smith, the head of the department of manual training in the English High School.

Knife work was introduced in the sixth and seventh grades as manual occupation for boys during the period when the girls of those classes were to be engaged in sewing. A graded course of simple models was prepared for each grade, and wood and certain tools were provided. Knives the boys are expected to furnish. Working drawings and simple directions are furnished for each model, and the grade teacher is given charge of the work. Some anxiety was shown by the teachers when they first approached the new subject, caused by their fear that they might not be able to do the work well. But under the helpful guidance of the supervisor they have mastered the initial difficulties, and are working bravely and with increasing confidence. They report that the boys like to do the whittling, and are greatly interested in it. Moreover, some say that they have gotten a fresh and better hold upon a number of boys by means of this exercise. It is desired that teachers assume as little directive control over the boys' work as is compatible with its progress. One of the aims of this work is to give a boy a chance to do something himself, to depend upon himself, even to learn through failures how to do better. As the work is not formal, is not to be made a basis of marking anybody, either boy or teacher, it is hoped that an opportunity will be provided for individuality to assert itself, some independent power to be displayed, and for teachers and boys to acquire a new social relation. The courses for this work appear in the appendix.

High School Accommodations. The passing of another year has brought no improvement in the conditions which have been the cause of complaint at the high schools. Increased attendance has made more difficult than ever the task of providing a seat for every pupil. That this task has been

performed is in itself a deceptive accomplishment. If every pupil has a seat, why is there not room enough? may be asked with some degree of plausibility. The answer is, of course, that to provide a seat for every pupil is by no means to provide all that a modern high school ought to give to its students. An additional answer is that a seat for every pupil has been furnished only by using for study rooms many places that were not intended for that purpose, and which are not fit to be put to that use. Pupils are occupying rooms which have been condemned by the medical inspectors as deficient in ventilation and air supply. Bad as this condition is, there is much more to say. The deprivations which are a consequence of this over-crowding include some of the most vital and characteristic features of a high school. Assembly hall, gymnasium, and adequate recitation rooms, to say nothing about space in which to develop any new line of work, all these are missing. While the assembly hall in the Latin School answers many purposes and is used as much as possible, it does not meet the requirements of either school. As these facts are well known to the Committee, and have been set forth for the information of the public in minute detail in previous reports, it does not appear necessary or desirable to repeat the details here. But it is necessary strongly to re-affirm the statement that the high school problem awaits settlement, and that it is a question of prime importance. That the development of the high schools is intimately associated with that other large measure discussed in this report, industrial education, seems apparent. Whatever policy shall be adopted in the establishment of schools for industrial education, it cannot be inaugurated without reference to high school needs. Both problems should be included in the survey, and their inter-relations ascertained. Action should comprehend and provide for both needs. As the case stands now, it is probable that it will be necessary to consider the possibility of extended sessions for the high schools next year, in order to get relief from some of the unsatisfactory conditions which attend the present arrangements and to provide room for more pupils.

In order that the School Committee may know what would be the effect upon the membership of the high schools of establishing an industrial school, I recommend that an inquiry be made among ninth-grade and high school pupils to find out how many would be likely to enter an industrial school. In the meantime it seems desirable to suspend for the present urging an enlargement of the present high school plants. The need of relief there is clearly defined, and there is no danger that it will be lost to sight because for the present the School Board is willing to move carefully in advocating expenditure of public money.

The Length of the Elementary Course. It is a well-known fact that there is a difference in the practice of communities in

prescribing the limits of their courses for primary and grammar schools. In some places, as in our city, children are allowed to enter the first grade at the age of five, and have before them a course of nine years below the high school. In others the course is eight years, the age of beginners being five years in some cases, in others being six years.

Outside of the New England states, the eight-years' course, with six years as the age for beginners, is generally the custom. That the course of nine years, with an entrance age of five years, is of merit superior to that of the course of eight years, with an entrance age of six years, no competent authority asserts. There is now a movement in Massachusetts cities towards the shorter course. As the experience of many school systems gives evidence of the sufficiency of the eight-years' course, it would seem that the nine-years' course must be justified by some purpose or practice which it makes possible and which the shorter course would not. For instance, if it is thought best to admit to the first grade all children five years old, and to determine the length of the course to fit that condition, there is strong argument for the longer course. So it would be, also, if it were desired by the longer course to give more time for the work, without much thought of other considerations, or to introduce unusual studies or occupations into the curriculum. Such treatment of the matter would afford some justification of the nine-years' course as against one of eight years. But when money, school accommodations, and the length of time children can spend in school must be taken into account, it is a fair question whether there is sufficient justification for the longer course to warrant its continuance.

As has been pointed out already, many of our buildings are over-crowded, and in some we are forced to use rooms which we would gladly abandon. An urgent plea for more room has been made without success, and we are confronted with a condition which calls for remedial action. A change from the nine-year course to one of eight years, and from an entrance age of five years to one of six years, would so reduce the number of pupils to be accommodated as to give all the relief that is required in most cases. Such a change is justifiable, if not demanded, by educational reasons, and as a matter of economy it deserves our consideration at the present time. The School Committee cannot provide school buildings to suit its needs, but it can determine the wisdom of maintaining the longer course of instruction, which gives more pupils to care for at one time than its school buildings will accommodate.

Therefore I recommend that the School Committee consider whether the efforts of the city to provide the best education for its children and to make a careful use of its money would not be helped by a change to the eight-year elementary course. As a closing remark upon this topic, I quote from the

Annual Report of the Massachusetts Board of Education, 1907-1908: "If the division line between the grammar school and high school remains as it is, an eight-year primary and grammar course, beginning with children six years of age, seems fair and reasonable."

School Efficiency. An animated discussion has taken place among educational writers during the last year as to what constitutes school efficiency and how it is to be determined. Most interesting tables have been compiled from the statistics of school reports to show what is being accomplished in various cities. Some rather startling deficiencies in school statistics have been exposed. It has been attempted to measure school efficiency in terms of the number of beginners in the first grade who persist to the final grade; of the number who progress without repeating a grade, etc. An exhaustive study of this subject, made by Leonard P. Ayres, as a publication of the Russell Sage Foundation, has attracted wide attention. This work includes the schools of Somerville among the number examined and used in its classifications. On page 5 occurs this sentence: "The computations show that in the schools of Somerville a little more than six per cent. of the children are repeaters. From this figure the records of the cities range upwards until we reach Camden, N. J., with thirty per cent. of the children in the repeating class." On page 96 is a table showing the number and cost of repeaters in fifty-five cities. Somerville heads the list with the lowest percentage of repeaters. In other places our city has honorable mention. But a careful study of this book would fail of reaching the chief value which it ought to bestow if only a feeling of complacency were its result. Just the contrary should be its effect, a determined scrutiny of conditions to ascertain wherein the efficiency of the schools can be increased. In the appendix are given some interesting tables prepared with this purpose in mind.

Before the end of this school year I propose to make a study of the problem of retardation in all grades of our schools, and to present the results thereof to the School Board soon after the summer vacation.

Conclusion. I would be glad to speak at length of the work of the schools and of the services of the teachers, did time and space permit. But I must commend, though briefly, the loyal devotion of the rank and file of the teachers and of all the officers to their work and to the interest of the schools. From them all I have received unfailing support. To the School Committee I give expression of hearty appreciation of their personal encouragement, and of the many hours of care and thought they have given in many unheralded ways.

Respectfully submitted,

CHARLES S. CLARK.

December 31, 1909.

By vote of the Board at the meeting held May 24, 1909, the following was ordered spread upon the minutes:—

Mrs. Henrietta B. H. Attwood, a member of the School Board, passed from this life on the twenty-first day of May, after an illness of thirty-six hours. On Wednesday evening she attended a meeting of the Committee on Text-Books and Courses of Study in City Hall Annex. The first member to arrive, she was apparently in the best of health. As the members assembled, she conversed brightly with one and another, and her flashes of wit and genial repartee contributed much pleasantry to the meeting. Her interest in the proceedings of the meeting was keen and unremitted. Upon several occasions she spoke, commanding the closest attention by the value of her information and the weight of her opinions. After adjournment she lingered, still conversing cheerfully. Several members had already departed, when, in attempting to rise from her chair, Mrs. Attwood was stricken with the illness from which she was never to rally. She was borne to her home, and soon lapsed into unconsciousness, and passed away on Friday morning.

Her last work was performed in behalf of the schools, her last expression of thought was made in the rooms of the School Committee. Her last words were concerning her husband, whose coming she was awaiting when the fatal illness fell upon her.

Mrs. Attwood was born in Maine, where in early life she was a teacher. In 1876, with her husband, she came to Somerville to live. Elected to the School Board in 1898, she has served continuously as a member of that body, and was at her death the oldest in point of service. She was active and influential, and was devoted to the interests of the schools, being thoroughly acquainted with those of her district. She was chairman of the Music Committee, and member of the Committee on Industrial Education, on Text-Books and Courses of Study, and on Vacation Schools.

To her energy, integrity, and constant care for the interests of the schools this Committee bears testimony; to her high character, strong sense of personal duty and personal responsibility, to her many womanly interests, it gives tribute of respect; to the friend and associate of many years it bids the long farewell.

The Somerville Teachers' Association spreads on its records this expression of its loss in the death of Miss Charlotte F. Mott, for years a teacher in the Lincoln School:—

She was a woman of sweet Christian character and high ideals, a rare soul who will live in the memory of her pupils and her friends.

ORGANIZATION OF SOMERVILLE SCHOOLS.

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 four and five years of age are admitted to the kindergarten nearest their residence during the months of September and April, and may remain until the July following their fifth 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 ninety-three primary classes being distributed among twenty-three schoolhouses.

Vaccinated children five years of age, or who will reach that age on or before the first day of October, are admitted during the month of September only, 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 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 1909 ten 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. Twenty-seven were thus promoted in 1909.

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

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 learn-

ing, 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 8.30 to 1.30. 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

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.

Concerning admission, sessions, 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 \$1,800, \$1,400, \$1,300, and \$1,100.

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 \$550.

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 seven-minute recess after the second period and an eighteen-minute recess after the fourth period.

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 administered 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, and is paid \$1,000.

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. Three such teachers are 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 Prescott, 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 interest 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 \$1,350. Truants are sent to the county truant school at

North Chelmsford. There are now fifteen 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 two clerks, who receive \$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, 1909.**

President, Charles S. Clark.
 Vice-President, George I. Bowden.
 Secretary-Treasurer, Emma F. Schuch.
 Executive Committee:—

Superintendent Charles S. Clark, ex-officio.

William D. Sprague, Latin High.	Mary E. Richardson, Edgerly.
A. Marion Merrill, English High.	Ellen A. Boynton, Glines.
Samuel A. Johnson, Prescott.	Cora J. Demond, Forster.
Elizabeth M. Collins, Hanscom.	Elizabeth J. Mooney, Bingham.
Jennie A. Drew, Davis.	Charles G. Ham, Carr.
Katherine Pike, Clark Bennett.	Alice B. Hazelton, Morse.
Etta R. Holden, Baxter.	Abbie A. Gurney, Proctor.
Annie E. Robinson, Knapp.	Minnie S. Turner, Burns.
Irene Vincent, Perry.	Cora F. Woodward, Morse.
Florence A. Chaney, Pope.	Catherine A. Burden, Hodgkins.
Angeline Cann, Cummings.	May E. Small, Lowe.

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

- February 10—Herman H. Horne, Ph.D., professor of philosophy at Dartmouth College. Subject: "The Pedagogy of Herbart."
- March 15—Don Carlos Ellis, United States Forest Service. Subject: "The Conservation of Our Natural Resources."
- April 21—"A Campaign for Boys," John E. Gunckel, Miss Jane Day, Leonard P. Ayres.
- November 5—Paul H. Hanus, LL.D., professor of history and art of teaching in Harvard University. Subject: "An Efficient Education."
- December 6—Captain Donald B. MacMillan, first assistant to Commander Peary. Subject: "With Peary in the Arctic."
- December 14—Dr. Richard C. Maclaurin, president of Massachusetts Institute of Technology. Subject: "The Motive of Educational Effort."

SOMERVILLE TEACHERS' CLUB.**OFFICERS, 1909.**

President, Miss A. Marion Merrill.

Vice-Presidents, { Miss Minnie S. Turner,
 { Miss Catherine E. Sweeney.

Recording Secretary, Miss Abigail P. Hazelton.

Corresponding Secretary, Miss Sarah E. Pray.

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 12—Lecture, "Appreciation of Music," Professor John Patten Marshall. Illustrated on the piano by Mr. Marshall.

February 10—Guest night. Organ recital, with soprano solos. J. Albert Watson, organist; Mrs. Edward Macey, soprano. Readings, Mrs. Laura E. Richards. Selections from her own works. Reception, supper, and dancing.

March 3—Address, "Some Phases of a Girl's Education," Miss Mary E. Woolley, president of Mount Holyoke College. Soprano solo, Mrs. Alice Bowditch Hopkins. Miss Calla Wilson, accompanist.

March 10—Lecture, "Walt Whitman," Thomas A. Watson, with selections from his poems. Piano solos, Miss Edith Jones.

April 13—Address, "On the Trail of Jason," Rev. Thomas Van Ness. Violin solo, Mrs. De Lewandowsky. Miss Irene Osborne, accompanist.

October 12—Musical. Reception to officers.

November 9—Lecture, "The Brontes," Leon H. Vincent.

December 14—Monologues, Adeline S. Joyce.

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TABLE 1.—SCHOOLHOUSES.

	NAME.	No. of Classrooms.	Size of Lot.	Valuation, including Furniture.	When built.	No. of years used.	Enlargements.
1	Latin High . . .	a13	.....	\$91,500	1871	38	8 rooms added 1906
2	English High . . .	b19	.....	137,600	1895	14	
3	Prescott	12	22,000	66,250	1867	42	
4	Knapp	13	24,517	50,340	1889	20	4 rooms added 1894
5	Pope	12	27,236	80,860	1891	18	
6	Bell	12	22,262	45,340	1874	35	
7	Edgerly	12	24,000	44,250	1871	38	{ 4 rooms added 1882 4 rooms added 1892
8	Glines	14	28,800	80,800	1891	18	5 rooms added 1896
9	Forster	18	30,632	85,350	1866	43	6 rooms added 1899
10	Bingham	16	35,586	60,000	1886	23	{ 4 rooms added 1894 8 rooms added 1904
11	Carr	17	20,450	53,800	1898	11	
12	Morse	12	29,000	48,200	1869	40	6 rooms added 1890
13	Highland	12	23,260	60,560	1880	29	4 rooms added 1891
14	Hodgkins	14	35,034	71,550	1896	13	
15	Bennett	12	17,000	59,248	1902	7	
16	Hanscom	10	12,756	72,840	1897	12	4 rooms added 1907
17	Brown	10	20,093	64,701	1901	8	4 rooms added 1907
18	Proctor	9	18,000	41,029	1905	5	
19	Burns	8	16,080	34,700	1886	23	4 rooms added 1899
20	Lowe	8	21,650	51,826	1903	6	
21	Baxter	6	11,000	32,956	1901	8	
22	Perry	6	46,080	37,000	1899	9	
23	Davis	4	30,155	22,720	1884	25	
24	Cummings	4	11,300	11,920	1884	25	
25	Durell	4	13,883	19,720	1894	15	
26	Lincoln	4	17,662	18,220	1885	24	
	Total	281	.....	\$1,443,280	....	..

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

(b) A chemical, a physical, a biological laboratory, seven recitation rooms, a lecture hall, two 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 three classrooms.

TABLE 2.—COST OF MAINTAINING SCHOOLS, 1909.

SCHOOLS.	Teachers.	Care.	Supplies.	Total.
Latin High . . .	\$20,402 86	\$2,882 67	\$1,738 09	\$25,023 62
English High . . .	48,681 68	4,320 36	5,841 81	58,843 85
Prescott . . .	11,110 82	1,717 70	586 87	13,415 39
Knapp . . .	12,065 97	1,578 74	779 45	14,424 16
Pope . . .	11,357 00	1,706 46	714 11	13,777 57
Bell . . .	11,204 48	1,464 39	869 33	13,538 20
Edgerly . . .	11,391 97	1,462 88	813 49	13,668 34
Glines . . .	12,286 73	2,059 85	556 94	14,903 52
Forster . . .	15,683 57	3,417 31	848 02	19,948 90
Bingham . . .	14,296 39	2,001 52	962 83	17,260 74
Carr . . .	14,833 61	2,025 49	1,010 27	17,869 37
Morse . . .	11,527 95	1,591 59	1,001 61	14,121 15
Brown . . .	9,419 12	1,455 74	683 57	11,558 43
Highland . . .	11,285 82	1,820 60	704 22	13,810 64
Hodgkins . . .	13,599 97	1,651 50	842 84	16,094 31
Bennett . . .	10,363 14	1,591 72	431 29	12,386 15
Hanscom . . .	8,565 77	1,675 56	408 15	10,649 48
Proctor . . .	6,946 56	1,250 39	243 95	8,440 90
Burns . . .	6,544 66	1,197 20	370 37	8,112 23
Lowe . . .	6,609 74	1,143 25	377 50	8,130 49
Baxter . . .	5,457 28	990 82	267 50	6,715 60
Perry . . .	5,183 81	1,123 87	345 36	6,653 04
Davis . . .	2,977 07	963 55	154 46	4,095 08
Cummings . . .	3,059 32	924 58	231 36	4,215 26
Durell . . .	2,995 96	821 35	142 89	3,960 20
Lincoln . . .	3,403 57	788 30	251 02	4,442 89
Evening . . .	7,584 20	1,863 87	641 63	10,089 70
Totals . . .	\$298,839 02	\$45,491 26	\$21,818 93	\$366,149 21

TABLE 3.—PER CAPITA COST OF MAINTAINING SCHOOLS, 1909.

SCHOOLS.	Teachers.	Care.	Supplies.	Total.
Latin High . . .	\$39 09	\$5 52	\$3 33	\$47 94
English High . . .	43 08	3 82	5 17	52 07
Prescott	22 63	3 51	1 20	27 39
Knapp	20 84	2 73	1 35	24 92
Pope	22 36	3 36	1 41	27 13
Bell	22 28	2 91	1 73	26 92
Edgerly	22 65	2 91	1 62	27 18
Glines	22 34	3 75	1 01	27 10
Forster	20 64	4 50	1 12	26 26
Bingham	20 19	2 83	1 36	24 38
Carr	19 47	2 66	1 33	23 46
Morse	22 17	3 06	1 93	27 16
Brown	20 66	3 19	1 50	25 35
Highland	21 33	3 44	1 33	26 10
Hodgkins	20 96	2 54	1 30	24 80
Bennett	21 15	3 25	88	25 28
Hanscom	20 01	3 91	95	24 87
Proctor	20 61	3 71	72	25 04
Burns	19 08	3 49	1 08	23 65
Lowe	17 63	3 05	1 01	21 69
Baxter	18 95	3 44	93	23 32
Perry	18 06	3 92	1 20	23 18
Davis	18 26	5 91	95	25 12
Cummings	19 49	5 89	1 47	26 85
Durell	17 12	4 69	82	22 63
Lincoln	16 13	3 74	1 19	21 06
High Schools	\$41 82	\$4 36	\$4 59	\$50 77
Gram. and primary . .	21 33	3 55	1 32	26 20
All schools	24 06	3 66	1 76	29 48
Gram. and prim. with- out evening schools	20 63	3 38	1 26	25 27
All schools without evening schools . . .	23 44	3 51	1 70	28 65

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.	Instruction and Supervision.	Water and Light.	Heating.	Janitors.	School Supplies.	Total.
1886	4,985	\$83,542	624	\$4,929	\$4,194	\$6,676	\$99,865
1887	5,198	86,713	765	6,475	5,084	7,526	106,563
1888	5,488	88,967	953	7,121	5,892	7,421	110,354
1889	5,956	96,466	805	6,081	6,448	9,903	119,703
1890	6,486	104,184	1,004	5,586	7,539	10,371	128,684
1891	6,502	114,066	1,047	8,032	8,544	13,899	145,588
1892	7,035	124,232	1,064	7,148	9,794	12,944	155,183
1893	7,217	128,720	1,014	8,312	10,160	10,137	158,333
1894	7,212	132,919	958	9,673	10,686	10,919	165,155
1895	7,617	144,113	1,398	8,796	11,581	15,063	180,951
1896	8,077	161,551	1,469	9,962	14,160	17,601	204,743
1897	8,589	180,222	1,920	10,065	16,251	14,815	223,273
1898	9,085	189,244	2,075	9,767	17,393	14,986	233,465
1899	9,502	197,660	2,472	10,821	17,831	16,131	244,915
1900	9,823	212,863	1,729	10,840	19,236	15,735	260,403
1901	9,991	226,556	1,731	13,723	20,078	18,707	280,796
1902	10,402	234,210	1,803	10,489	20,859	19,386	286,747
1903	10,719	242,964	2,015	18,052	21,042	20,873	304,946
1904	11,094	255,481	1,436	15,315	22,024	21,648*	315,904
1905	11,543	259,597	4,345	15,167	21,949	20,619*	321,677
1906	11,762	266,197	2,875	14,162	23,143	22,969*	329,346
1907	11,909	273,107	3,760	15,236	23,999	24,750*	340,852
1908	12,159	294,400	3,831	14,912	25,245	26,763*	365,151
1909	12,423	298,839	4,071	14,798	26,072	22,369	366,149

*Including cost of telephones.

TABLE 5.—ANNUAL COST PER CAPITA OF MAINTAINING SCHOOLS

FOR A SERIES OF YEARS.
[Based on the average membership.]

YEAR.	Instruction and Supervision.	Janitors, Water, Heat, and Light.	School Supply Expenses.	Total.	Assessors' Valuation of City.	Ratio of Cost of School Maintenance to Valuation.
1886	\$16 76	\$1 94	\$1 34	\$20 03	\$26,003,200	.00384
1887	16 68	2 37	1 45	20 50	27,469,300	.00388
1888	16 21	2 54	1 36	20 11	28,756,400	.00384
1889	16 20	2 24	1 66	20 10	30,004,600	.00399
1890	16 06	2 18	1 60	19 84	32,557,500	.00395
1891	17 54	2 71	2 14	22 39	36,843,400	.00395
1892	17 66	2 56	1 84	22 06	38,093,100	.00407
1893	17 84	2 70	1 40	21 94	41,773,600	.00379
1894	18 43	2 96	1 51	22 90	44,142,900	.00374
1895	18 92	2 86	1 98	23 76	46,506,300	.00390
1896	20 00	3 17	2 18	25 35	49,013,050	.00418
1897	20 98	3 29	1 73	26 00	50,173,775	.00444
1898	20 83	3 22	1 65	25 70	50,739,700	.00460
1899	20 80	3 28	1 70	25 78	51,202,350	.00478
1900	21 67	3 24	1 60	26 51	52,513,400	.00496
1901	22 67	3 56	1 87	28 10	53,924,200	.00521
1902	22 52	3 19	1 86	27 57	55,485,370	.00517
1903	22 67	3 84	1 95	28 46	56,981,360	.00535
1904	23 03	3 52	1 93	28 48	58,056,700	.00544
1905	22 50	3 63	1 74	27 87	59,146,600	.00544
1906	22 63	3 45	1 92	28 00	60,371,500	.00546
1907	22 93	3 65	2 04	28 62	61,527,750	.00554
1908	24 21	3 65	2 17	30 03	63,158,400	.00578
1909	24 06	3 66	1 76	29 48	63,659,210	.00575

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

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		
1880 . .	24,985	1903 . .	67,500		

School Census.

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

	1908.	1909.	Change.
Ward 1	2,068	1,997	-71
Ward 2	2,443	2,764	+321
Ward 3	1,055	1,050	-5
Ward 4	1,036	986	-50
Ward 5	1,989	1,964	-25
Ward 6	2,073	2,082	+9
Ward 7	1,553	1,576	+23
Total	12,217	12,419	+202
In public schools	10,715	10,768	+53
In private schools	1,648	1,775	+127
Out of school	455	315	-140
Total	12,818	12,858	+40

Number of compulsory school age, 7 to 14:—

According to census, males	4,686	
females	4,692	
		9,378
In public schools, males	3,884	
females	3,828	
		7,712
In private schools, males	438	
females	827	
		1,265
Total in school		8,977

Number of illiterate minors	20
Children under 7 out of school	153
" between 7 and 14 out on account of sickness	62
" 14 years old at work	80
Total number out of school	295

TABLE 8. — ATTENDANCE OF THE PUBLIC SCHOOLS, 1909.

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.
15	Latin High	516	522	500	95.8	504	570	
24	English High	1,221	1,130	1,073	94.9	1,143	1,199	
12	Prescott	624	490	464	94.6	495	522	43.5
13	Knapp	706	579	550	95.0	603	586	45.2
12	Pope	616	508	479	94.4	535	509	42.4
12	Bell	595	503	472	93.8	520	530	44.0
12	Edgerly	617	503	476	94.6	532	502	41.8
13	Glines	716	550	520	94.4	569	579	44.5
18	Forster	916	760	710	93.4	795	765	42.5
16	Bingham	856	708	660	93.2	704	754	47.2
17	Carr	885	762	707	92.8	748	771	45.4
12	Morse	647	520	485	93.3	531	541	45.0
10	Brown	576	456	424	93.0	467	478	47.8
12	Highland	603	529	513	96.9	536	566	47.0
14	Hodgkins	732	649	619	95.3	629	672	48.0
12	Bennett	670	490	451	92.0	495	505	42.1
10	Hanscom	608	428	394	92.0	450	438	43.8
8	Proctor	441	337	313	92.7	361	329	41.0
8	Burns	452	343	321	93.6	352	365	46.0
8	Lowe	520	375	345	92.0	379	385	48.1
6	Baxter	445	288	265	92.0	300	297	49.5
6	Perry	400	287	272	94.8	290	307	51.0
4	Davis	237	163	151	92.8	166	177	44.2
4	Cummings	223	157	145	92.3	159	166	41.0
4	Durell	246	175	159	90.8	183	190	47.5
4	Lincoln	295	211	198	93.9	220	204	51.0
286	Total	15,363	12,423	11,666	93.9	12,666	12,907	45.0
287	Total for 1908	15,105	12,159	11,458	94.2	12,358	12,802	44.9

TABLE 9.—STATISTICS OF HIGH SCHOOLS FOR SCHOOL YEAR, SEPTEMBER 9, 1908, TO JUNE 24, 1909.

	Latin.	English.
Number of teachers	15	42
Number of days school kept	183	183
Number enrolled	518	1,243
Average number belonging	494.3	1,122.1
Average daily attendance	473.6	1,067.2
Per cent. of attendance	95.8	95.1
Tardiness	303	475
Dismissals	324	347
In Class I. September, 1908	158	476
June	148	401
Per cent. of loss	6.3	15.8
In Class II. September, 1908	144	326
June	132	273
Per cent. of loss	8.3	16.3
In Class III. September, 1908	101	227
June	96	205
Per cent. of loss	5	9.7
In Class IV. September, 1908	103	186
June	101	176
Per cent. of loss	2	5.4
Special students, September, 1908		9
June		5
Total, September, 1908	506	1,224
June	447	1,060
Per cent. of loss	5.7	13.4
Number of graduates, male	32	58
Number of graduates, female	59	116
Total	91	174
Average age, male	18-10	18-6
Average age, female	18-7	19
Number entering college	46	12
Number of graduates entering technical schools	1	8
Number of graduates entering normal schools	3	11
Cost of instruction	\$20,402 86	\$48,681 68
Cost of supplies	1,738 09	5,841 81
Total cost	22,140 95	54,523 49
Per capita cost of instruction	41 27	43 38
Per capita cost of supplies	3 52	5 21
Total cost per capita	44 79	48 59

TABLE 10.—PUPILS BY GRADES, December, 1909.

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	Special . . .	.....	.....	.....	2	5	7	19	0	.....	9	0
"	Thirteenth . .	.....	.....	.....	41	59	100	18	1	.....	0	7
"	Twelfth . . .	.....	.....	.....	62	71	133	16	11	.....	10	4
"	Eleventh . . .	.....	.....	.....	61	66	127	16	2	.....	10	8
"	Tenth . . .	.....	.....	.....	108	95	203	15	3	.....	183	12
	Total . . .	7	9	.....	274	296	1,570	.....	.....	.....	212	31
English	Special . . .	.....	.....	.....	1	7	8	19	.....	.....	.....	.....
"	Thirteenth . .	.....	.....	.....	69	116	185	18	4	.....	1	4
"	Twelfth . . .	.....	.....	.....	97	130	227	17	6	.....	1	11
"	Eleventh . . .	.....	.....	.....	133	212	345	16	4	.....	1	13
"	Tenth . . .	.....	.....	.....	196	238	434	15	4	.....	399	48
	Total . . .	14	29	.....	496	703	1,199	.....	.....	.....	402	76
	Total high school	21	38	.....	770	999	1,769	.....	.....	.....	614	107
Grammar	Ninth . . .	11	21	.....	371	388	759	14	7	.....	28	109
"	Eighth . . .	.....	22	.....	449	501	950	13	7	.....	88	67
"	Seventh . . .	.....	25	1	558	564	1,122	12	9	.....	204	114
"	Sixth . . .	.....	27	2	619	580	1,199	11	9	.....	191	109
"	Fifth . . .	.....	28	.....	669	580	1,249	10	9	.....	219	142
"	Fourth . . .	.....	29	1	648	659	1,307	9	8	.....	270	163
	Total gram-mar . . .	11	152	4	3,314	3,272	6,586	.....	.....	.....	1,000	704
Primary	Third . . .	.....	31	2	672	674	1,346	8	6	.....	178	176
"	Second . . .	.....	31	.....	736	668	1,404	7	4	.....	174	184
"	First . . .	.....	33	7	830	765	1,595	6	1	1,222	123	216
	Total pri- mary . . .	.....	95	9	2,238	2,107	4,345	.....	.....	1,222	475	576
	Total gram- mar and primary . .	11	247	13	5,552	5,379	10,931	.....	.....	1,222	1,475	1,280
	Kindergarten .	.....	4	4	98	109	207	4	7	.....	.....	.....
	Special teach- ers . . .	4	6	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Cadets . . .	.....	3	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Grand totals	36	298	17	6,322	6,378	12,907	...	.....	1,222	2,089	1,387

TABLE 11.—PUPILS IN HIGH AND GRAMMAR SCHOOLS.

	High Schools.	Grammar and Primary Schools.	Kinder- gartens.	Total.
Annual enrollment	1,737	13,204	422	15,363
Average membership	1,652	10,582	189	12,423
Average attendance	1,573	9,929	164	11,666
Per cent. of attendance	95.1	93.8	86.8	93.9
Number cases of tardiness	945	3,477	...	4,422
Number cases of dismissal	692	2,212	...	2,904
Number cases of punishment . . . .	...	292	...	292
Membership, January, 1908	1,647	10,814	205	12,666
Membership, December, 1908	1,769	10,981	207	12,907

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

SCHOOL.	1905.	1906.	1907.	1908.	1909.	SCHOOL.	1905.	1906.	1907.	1908.	1909.
Prescott	78	72	61	33	35	Forster	48	74	77	73	63
Hanscom	47	33	39	75	42	Bingham	80	83	70	84	88
Davis	42	22	39	35	41	Carr	59	40	64	65	64
Bennett	81	125	94	99	92	Morse	56	64	53	57	55
Baxter	53	42	59	46	62	Proctor	49	61	48	55	47
Knapp	43	40	35	39	41	Durell	45	39	43	38	37
Perry	58	42	51	42	52	Burns	50	53	48	45	55
Pope	33	28	28	30	39	Brown	42	52	57	73	63
Bell	36	38	35	38	21	Highland . . . .	.....	.....	.....	.....	.....
Cummings	43	46	40	34	45	Hodgkins	43	55	43	54	52
Edgerly	34	38	39	33	35	Lincoln	40	51	52	57	50
Glines	70	63	63	60	60	Lowe	89	75	72	93	83

TABLE 13.—GRAMMAR SCHOOL GRADUATES, 1909.

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	27	1	26	0	10	0	8	0	18
Knapp	70	1	70	0	9	0	40	0	49
Pope	48	14	33	2	7	6	18	8	25
Bell	59	0	57	0	17	0	26	0	43
Edgerly	82	13	65	0	18	7	41	7	59
Glines	43	5	36	3	7	1	23	4	30
Forster	73	8	65	0	18	6	32	6	50
Bingham	36	7	26	0	9	3	12	3	21
Carr	66	2	58	0	11	1	30	1	41
Morse	44	2	41	0	15	1	18	1	33
Brown	43	5	37	0	5	3	26	3	31
Highland	95	9	85	1	33	5	37	6	70
Hodgkins	55	10	40	2	15	3	17	5	32
Total	741	77	639	8	174	36	328	44	502

TABLE 14.—TRUANT STATISTICS.

	1902.	1903.	1904.	1905.	1906.	1907.	1908.	1909.
Number visits of officer to schools	435	525	429	567	511	474	401	787
Absences investigated	384	521	387	514	502	499	655	1,185
Cases of truancy	163	152	146	150	151	94	155	265
Truants arrested . . . .	..	24	8	7	11	14	11	5
Sent to truant school	6	9	5	4	6	9	6	2
Number now in truant school	9	5	5	8	10	18	15	14

TABLE 15.—ATTENDANCE IN ELEMENTARY EVENING SCHOOLS, FROM OCTOBER, 1908, TO MARCH, 1909.

		Prescott.	Bell.	Highland.	Total.
Enrolled	Male	58	467	95	620
	Female	22	103	18	143
	Total	80	570	113	763
Ave. membership	Male	42	191	55	288
	Female	19	57	12	88
	Total	61	248	67	376
Ave. attendance	Male	33	148	40	221
	Female	17	42	10	69
	Total	50	190	50	290
Per cent. Att. out of No. belonging . . . . .	. . .	82.0	76.6	74.6	77.1
Per cent. Att. out of No. enrolled . . . . .	. . .	62.5	33.3	44.2	38.0
Ave. No. of teachers	Male	2	4	1	7
	Female	1	15	3	19
	Total	3	19	4	26
No. of sessions . . . . .	. . .	78	78	78	234
Teachers, cost of . . . . .	. . .	\$553 50	\$2,748 00	\$644 50	\$3,946 00
Janitors, supplies, and light, cost of . . . . .	. . .	149 36	407 38	134 13	690 87
Total	Total	\$702 86	\$3,155 38	\$778 63	\$4,636 87
Cost per pupil per evening . . . . .	. . .	\$0 180	\$0 252	\$0 234	\$0 205
Cost per evening . . . . .	. . .	9 01	40 45	9 98	59 45
Cost per pupil in ave. membership . . . . .	. . .	11 52	12 72	11 62	12 33
Cost per pupil in ave. attendance . . . . .	. . .	14 06	16 08	15 57	15 99

TABLE 15 (Concluded).—Evening High School, Season of 1908-1909.

	Male.	Female.	Total.
Enrolled	421	289	710
Average membership.....	228	199	427
Average attendance.....	168	146	314
Number of teachers.....	10	10	20
Number of sessions.....		58	
Cost of instruction.....		\$3,688.00	
Cost of supplies and light.....		517.13	
Total cost.....			\$4,205.13
Cost per pupil per evening.....			0.231

Average attendance: October, 430; November, 355; December, 312; January, 266; February, 251; March, 265.

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	0 370
	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
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

*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.	Edgerly.	Pope.	Knapp.	Hodgkins.	Glines.	Carr.	Bingham.	Brown.	Total.	Average Membership of Grammar and Primary Schools.	Per cent. of Average Membership Graduating.	Entered High School.	Per cent. Entering of those Graduating.
1890	54	106	45	56	57	39	36	39	45	27	38	171	83	9,611	6,062	5.24	184	57.86
1891	44	73	41	55	44	49	36	39	41	35	38	171	40	296	6,085	4.90	199	67.23
1892	41	36	75	49	45	46	36	38	39	37	33	171	36	370	6,525	5.67	228	61.62
1893	40	60	48	63	67	41	36	32	42	36	36	171	36	398	6,674	5.97	240	60.30
1894	39	29	79	66	68	42	35	32	31	35	43	171	48	389	6,600	5.89	253	65.04
1895	36	32	58	63	73	46	36	34	37	37	36	171	48	374	6,955	5.37	255	68.18
1896	38	34	72	38	70	29	37	35	30	29	35	171	48	370	7,201	5.13	281	76.00
1897	34	39	50	48	41	50	30	25	45	27	38	171	48	368	7,602	4.84	278	74.19
1898	36	43	31	46	36	50	36	28	39	35	38	171	48	382	8,029	4.75	281	73.56
1899	37	50	62	48	49	40	34	34	39	37	33	171	48	468	8,351	5.60	281	73.56
1900	36	45	48	31	43	47	44	34	42	36	36	171	48	434	8,689	4.99	317	73.00
1901	34	38	70	43	72	47	43	38	41	35	36	171	48	497	8,811	5.64	372	74.80
1902	41	48	61	45	67	46	35	31	32	40	51	171	48	497	9,328	5.33	350	70.40
1903	34	45	62	35	65	51	28	38	52	31	47	171	48	484	9,362	5.17	354	73.14
1904	31	35	84	46	79	44	36	48	40	36	43	171	48	497	9,739	5.26	367	71.68
1905	40	40	74	44	85	47	42	61	40	36	48	171	48	606	10,298	5.88	463	76.40
1906	35	54	84	44	109	49	44	64	61	40	48	171	48	640	10,209	6.22	474	74.10
1907	37	62	67	44	126	81	3	56	58	62	60	171	48	725	10,440	6.94	561	77.40
1908	44	51	71	71	88	50	64	66	61	42	58	171	48	742	10,410	7.13	551	74.26
1909	27	59	73	44	95	82	48	70	55	43	66	171	48	741	10,582	7.00	546	73.68
	758	979	1,233	979	1,379	926	700	744	626	500	533	171	83	9,611	167,902	5.72	6,894	71.73

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

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

TABLE 19.—PROMOTIONS FOR SCHOOL YEAR ENDING JUNE 30, 1909.

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	1,458	1,155	83	219	1	1	..
II	1,372	1,083	145	140	4	3	3
III	1,287	1,056	122	109	..	5	12
IV	1,270	995	162	110	3	6	9
V	1,221	960	159	93	9	14	5
VI	1,146	875	164	99	8	2	5
VII	1,060	795	172	91	2	1	3
VIII	810	578	140	92	..	14	4
IX	750	641	78	31	..	30	7
Total	10,374	8,138	1,225	984	27	76	48

Percentage of Promotions for School Year Ending June 30, 1909.

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	79.2	5.7	15.1	..	..	..
II	100	78.9	10.6	10.2	0.3	0.2	2.0
III	100	82.0	9.5	8.5	..	0.4	9.8
IV	100	78.3	12.8	8.7	0.2	0.5	5.5
V	100	78.7	13.0	7.6	0.7	1.1	3.1
VI	100	76.4	14.3	8.6	0.7	0.1	3.0
VII	100	75.0	16.2	8.6	0.2	..	1.7
VIII	100	71.4	17.3	11.3	..	1.7	2.9
IX	100	85.5	10.4	4.1	..	4.0	9.0
Average	100	78.4	11.8	9.5	0.3	0.7	3.9

TABLE 19A.—PROMOTIONS FOR SCHOOL YEAR IN HIGH SCHOOLS FOR YEAR ENDING JUNE 30, 1909.

		On June Promotion List.	Promoted To Next Grade.	Left Behind.
Grade	X	547	499	48
	XI	400	382	18
	XII	302	293	9
	XIII	271	265	6
	Total	1520	1439	81

Percentage of Promotions for School Year in High Schools.

		On June Promotion List.	Promoted To Next Grade.	Left Behind.
Grade	X	100	91.2	8.8
	XI	100	95.5	4.5
	XII	100	97.0	3.0
	XIII	100	97.7	2.3
	Total	100	94.6	5.4

TABLE 20.—RESIGNATION OF TEACHERS, 1909.

SCHOOL.	Teacher.	Resignation Took Effect.	In Service.
Latin High .	Mabel E. Bowker	June 30, 1909	1 year
Latin High .	Gertrude M. Hall	May 30, 1909	1 year, 9 mos.
Latin High .	Miriam Thayer	June 30, 1909	4 years
English High	Charles F. Abbott	" " "	8 years
English High	George W. Earle	" " "	8 years, 6 mos.
English High	Carrie A. Marsh	" " "	13 years, 6 mos.
English High	Eda L. Nichols	March 1, 1909	13 years, 7 mos.
Prescott . .	Rebekah Bruorton	June 30, 1909	1 year
Hanscom . .	Adelaide J. Anderson	" " "	3 years
Hanscom . .	Gladys Loring	" " "	3 years
Davis . . .	Jennie A. Drew	Sept. 30, 1909	6 years
Baxter . . .	Helen Tincker	" " "	36 years, 9 mos.
Knapp . . .	Nina M. Doanan	" " "	5 years
Bell	Martha E. Daniels	December, 1909	18 years, 5 mos.
Forster . . .	Mabel F. Powell	June 30, 1909	7 1-2 mos.
Forster . . .	E. Mina Smith	" " "	13 years
Bingham . . .	Georgia M. Robbins	" " "	3 years
Carr	L. Isadore Wood	" " "	3 years
Morse	Annie L. Ball	" " "	2 years, 3 mos.
Hodgkins . .	Mabel E. Bemis	" " "	4 mos.
Hodgkins . .	Josephine T. Field	March 29, 1909	5 years, 6 mos.
Hodgkins . .	M. Alice Paul	February, 1909	29 years, 6 mos.

TABLE 21.—TEACHERS ELECTED IN 1909.

SCHOOL.	Teacher.	Coming From	Began Service.	Salary.
Latin High .	Kate M. Monro	Biddeford, Me.	Nov. 1, '09	\$ 800
Latin High .	Alfred W. Dickinson	.....	Sept., "	200
Latin High .	Natalie A. Smith	Reading	June 1, "	950
English High	Cara F. Dillingham	Grafton	Sept. 8, "	750
English High	Roy W. Hatch	Lexington	" " "	1,300
English High	Frank A. Scott	Scituate	" " "	1,300
English High	Augustus B. Tripp	.....	" " "	800
English High	Stephen E. Wright	Essex	" " "	1,300
Prescott . .	Edyth M. Grimshaw	Woonsocket, R. I.	May, "	700
Baxter . . .	Eleanor A. Connor	Somerville	.....	600
Knapp . . .	Nellie T. McCarthy	Dracut	Sept. 8, '09	700
Bell	Rena S. Hezelton	Littleton, N. H.	Oct., "	650
Forster . . .	Annie J. Ireland	Somerville	.....	700
Forster . . .	M. Edna Merrill	Newmarket, N. H.	Sept. 8, '09	600
Highland . .	Charlotte M. Canfield	Maynard	" " "	650
Hodgkins . .	Mabel E. Bemis	Cliftondale	April, "	700
Hodgkins . .	Luanna B. DeCatur	Chelsea	Sept. 8, '09	700
Hodgkins . .	Ethel M. Paige	Stoneham	" " "	700
Hodgkins . .	Dorothy G. Stevens	Malden	" " "	700

ASSISTANTS IN SERVICE DECEMBER, 1909.

Hanscom . . .	Agness M. Travis
Burns	Mary C. Buck
Proctor . . .	Annie Sanburn
Lowe	
Baxter	Lynda V. Merrill
Perry	Nona Blackwell
Perry	Alice L. Reid
Bingham . . .	Frances E. Welch
Morse	Mary E. Lovell
Hodgkins . . .	Ellen A. Baker
Hodgkins . . .	Lillian M. Huntington
Lincoln	Louise K. Simm
Lincoln	Jane A. Smith
Lowe	Marian Poole

CADETS.

Isabel M. Brünton

Julia M. Delay

Susie A. Fitzpatrick

TABLE 22.—LEAVE OF ABSENCE OF TEACHERS.

September 8, 1909, Anna Pushee, for school year ending June 30, 1910.
 September 8, 1909, Clara B. Sackett, for school year ending June 30, 1910.
 September 8, 1909, Gertrude M. Sias (died January 10, 1910).
 September 8, 1909, Bessie I. Sutton, for school year ending June 30, 1910.

TABLE 23.—TRANSFER OF TEACHERS.

TEACHERS.	From	To
Harriette C. Hamilton	Knapp	Morse
Ardelle Abbott	Morse	Burns
Emma B. Jones	Burns	Hanscom
Cora F. Woodward	Durell	Morse

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

*Including four kindergartners.

†Including two secretaries.

‡Including one secretary.

**TABLE 25.—BOOKS AUTHORIZED FOR USE, 1909.
For Grammar and Primary Schools.**

As reference books.

The Hygiene of the Schoolroom, Barry.....	Silver, Burdett & Co.
Civics and Health, Allen.....	Ginn & Co.
A Color Notation, A. E. Munsell.....	George H. Ellis Co.
Applied Arts Drawing Books, Seegmiller, Atkinson, Mentzer & Grover	
Teachers' Edition of Educational Music Series.....	Ginn & Co.

As text-books.

The Gulick Hygiene Series.....	Ginn & Co.
Wide Awake Primer.....	Little, Brown & Co.
Wide Awake First Reader.....	Little, Brown & Co.
How the World Is Clothed, F. G. Carpenter.....	American Book Co.
How the World Is Fed, F. G. Carpenter.....	American Book Co.
English for Foreigners, O'Brien.....	Houghton Mifflin Co.
Natural School Geography Series.....	American Book Co.
Frye's Grammar School Geography.....	Ginn & Co.

For High Schools.

As reference books.

Corporation and Voucher Accounting, Marshall, Goodyear, Marshall Publishing Co.	
Ganot's Physics.....	William Wood & Co.
Elementary Electricity and Magnetism, Jackson..	The Macmillan Co.
General Physics, Hastings and Beach.....	Ginn & Co.
Principles of Physics, revised by Goodspeed.	
Source Book of Greek History, Fling.....	D. C. Heath & Co.
International Students' Atlas.	
Text-Book of Physics, Duff.....	P. Blakiston & Co.
Fossil Fishes and Fossil Plants of Triassic Rocks of New Jersey and Connecticut Valley.	
The Glacial Lake Agassiz, W. Upham.	
Geology of Old Hampshire County, Mass., B. K. Emerson.	
Geology of Narragansett Basin, N. S. Shaler.	

As text-books.

Elementary French Grammar, Aldrich and Foster.....	Ginn & Co.
Readings from French History, Super.....	Allyn & Bacon
German Lesson Grammar, Joynes and Wesselhoeft, D. C. Heath & Co.	
Der Neffe als Onkel, Schiller.....	Allyn & Bacon
Lectures Faciles, Lazare.....	Ginn & Co.
Selections from Guy de Maupassant.....	Ginn & Co.
La Malade Imaginaire, Moliere.....	Ginn & Co.
Dix Contes Modernes des Meilleurs Auteurs du Jours, Potter, Ginn & Co.	
Les Miserables, Hugo.....	Ginn & Co.
Outline of Mediaeval and Modern European History (pamph- let to be used in connection with second-year history), D. C. Heath & Co.	
Progressive Problems in Physics, Fred R. Miller..	D. C. Heath & Co.

TABLE 26.—GRADUATION EXERCISES, 1909.**High Schools.**

The graduation exercises of the high schools occurred on Thursday, June 24, 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 Sam Walter Foss.

At the close of the address, the chairman of the committee, Henry H. Folsom, presented diplomas to the 264 members of the graduating classes.

Order of Exercises.

Henry H. Folsom, Chairman of School Board, presiding.

Overture.

“Zampa.” Herold
Boston Festival Orchestra.

1. *†Singing.
Semi-Chorus: “The New Kingdom.” Tours

2. Prayer.
Rev. Robert W. Beers.

3. Singing.
Solo and Chorus: “Hear My Prayer” (Motet),
Mendelssohn (1809)
Misses Edith R. Jones, Latin, and Isabelle E. Simmons, English.

4. Address to Graduates.
Sam Walter Foss, of Somerville.

5. †Singing.
Boys’ Solo and Chorus: “The Armorer.” Nevin

6. Presentation of Diplomas.
Henry H. Folsom, Chairman of the School Board.

7. †Singing.
Solo and Chorus: “Good Night, Farewell.” Garrett

* All singing accompanied by the orchestra under the direction of S. Henry Hadley, teacher of music in the schools.

† Orchestration by S. Henry Hadley.

Latin High School Graduates.

Ruth Eveline Andrews.	Hazel Morton Cushing.
Vivian Beers.	Alice Louise Delaney.
Ada Louise Belt.	Maude Ethel Dickson.
Gladys Nichols Bodge.	Nectar Madeleine Eksergian.
Alice Maude Chamberlain.	Dorothy Doane Fales.
Mary Louise Cheney.	Helen Clark French.
Lois Elizabeth Chickering.	Gertrude Augusta Graves.
Gertrude Georgeanna Clough.	Alice Wheeler Hammond.
Portia Elizabeth Clough.	Mabel Fairfield Hatch.
Ernestine Zelma Cohen.	Blanche Eleanor Hight.
Elizabeth Frances Coogan.	Elizabeth Hirst.
Louise Christine Coogan.	Dorothy Shepherd Hopkins.
Elizabeth Ellen Cook.	Mabel Marie Hopkins.
Marion Corliss.	May Gertrude Howard.
Clyda Abbie Corwin.	Edith Read Jones.

Irene Kibbe.
 Ella Hazel Macy.
 Ruth Mildred Martin.
 Marion Elizabeth Mead.
 Gertrude Spencer Mitchell.
 Lena Rosa Moore.
 Bernice Mildred Oakes.
 Isabella Gertrude Owler.
 Emma Andrews Perry.
 Marion Brackett Puffer.
 Laura Francene Raymond.
 Mabelle McIntyre Reed.
 Florence Whitney Rice.
 Marion Ward Sawyer.
 Fannie Isabel Seiniger.
 Laurette Mary Shaw.
 Stella Marie Shepard.
 Ellen Ashcroft Smallwood.
 Helen Peirce Smith.
 Beatrice Mildred Sprague.
 Mabel Ellen Stevens.
 Gladys Foster Taylor.
 Lucy Hall Taylor.
 Lillian Barker Treadwell.
 Josephine Wentworth.
 Lorene Aurelia Whitney.
 Mabel Woodill Wilber.
 Alma Gertrude Wiley.
 Helen Laura Wyman.
 Herman Castner Benner.

Richard Williams Bennett.
 William John Brown.
 Alger Trull Bunten.
 Henry Joseph Cabeceiras.
 Roger Ammiel Colman.
 Chester Sheldon Cook.
 Robert Avery Crenner.
 George Edward Dodge.
 Matthew Charles Duggan.
 Fred Clarke Gunter.
 Raymond Florance Henderson.
 William Stuart Howe.
 William Hunnewell.
 Alfred Foster Kendall.
 Herbert Alexander Macdonald.
 Howard Alexander MacLean.
 Francis John McCarthy.
 Daniel Carothers Merrill.
 Ralph Elwyn Merry.
 John Clayton Milliken.
 James Leo Muldoon.
 Miles John Muldoon.
 Allison Lewis Hedge Newton.
 Walter Harvey Nolan.
 Emil Maurice Robertson.
 Edmund Russell.
 Spencer Leeds Sawyer.
 John Elliot Slater.
 Matthew George Sullivan.
 Nathaniel Sterns Thayer.
 Clarence Bryant Wilber.

English High School Graduates.

Helen Gertrude Anderson.
 Ida Barnett.
 Blanche Modjeska Benson.
 Winifred Hamilton Bent.
 Mildred Benthall.
 Ethel Mildred Bird.
 Marion Louise Bolton.
 Margueritte Emmeline Borns.
 Beatrice Louise Bowditch.
 Ruth Bowman.
 Bertha Marion Boyd.
 Florence Lillian Briggs.
 Loretto Gertrude Brine.
 Beatrice Ina Brownville.
 Hazel Gertrude Burke.
 Rose Anna Burke.
 Annie Jane Burns.
 Anna Veronica Byrnes.
 Edith Marion Cabot.
 Helen Caless.
 Aline Dudley Campbell.
 Bertha Louise Chapman.
 Elsie Marion Clark.
 Mary Eliza Clark.
 Elsie Mildred Craft.

Martha Washington Delay.
 Frances Margaret Donovan.
 Alice Christina Duncan.
 Eleanor Dunning.
 Marion Lucille Emerson.
 Florida Esdale.
 Elizabeth Constance Farrell.
 Gertrude Vivian Farrell.
 Mary Louise Farrell.
 Myrtle Adams Feltus.
 Bessie Leone Fisher.
 May Elizabeth Fitzgerald.
 Jeanie Somerville Fleming.
 Jean Elizabeth Follett.
 Ruth Evans Gillard.
 Clara Alice Goudey.
 Louise Grainger.
 Rose Greenberg.
 Ethel Caroline Haradon.
 Mildred Louise Hatch.
 Irma Haynes.
 Margaret Rose Healy.
 Mary Gertrude Healy.
 Margaret Isabel Heath.
 Kathleen West Hemeon.

Alice Margaret Hill.
 Elizabeth Mary Holt.
 Bessie Collins Horton.
 Caroline Lois Hunt.
 Margaret Josephine Hurley.
 Edith Elizabeth Joiner.
 Mildred Louise Joiner.
 Mabel Frances Kenneson.
 Lillie Ellen King.
 Ruth Elizabeth Kingman.
 Gladys Anne Kingsley.
 Carrie Rich Knowles.
 Lillian King Lamb.
 Eudora Davis Leitch.
 Hilda Mary Linfield.
 Esther Lizzie Lovejoy.
 Florence Crystal Brainard Lowe.
 Lillian Louise Lunt.
 Josephine Elsie Macdonald.
 Ruth Sarah Manning.
 Mary Madeline McCune.
 Grace Emily McIntosh.
 Florence Louise McKenna.
 Annie Winifred McLean.
 Mary Sabra Merritt.
 Mary Wood Diack Mitchell.
 Edith Francis Moore.
 Frances Teresa Moran.
 Aline Leavitt Morgan.
 Katherine Anna Mullen.
 Bertha Inez Nason.
 Alfield Carrie Nelson.
 Marion Nicholson.
 Myrtle Nicholson.
 Rose May Niles.
 Blanche Aramede Ogier.
 Dorothy Olin.
 Elizabeth O'Neill.
 Margaret Mary O'Neil.
 Dora Christina Pedersen.
 Jennie Maria Pedersen.
 Grace Frances Perron.
 Edith Sarah Potter.
 Pearl Victoria Rideout.
 Alice May Ronan.
 Ethel Dorothy Sampson.
 Josephine May Sander.
 Marian Helena Sargent.
 Isabelle Eliza Simmons.
 Maude Wellman Skinner.
 Helen Belinda Smart.
 Helen Spear.
 Eva Gertrude Stevens.
 Edna Frances Teele.
 Maude Ethel Thomas.
 Florence Maynard Thompson.
 Maysel Huntingdon Tracy.
 Gertrude Mae Trickey.
 Alice May Vincent.
 Eleanor Elizabeth Waldron.
 Deborah Waranow.
 Ethel Mildred Waugh.
 Grace Maud Webster.
 Emily Hayes Wilder.
 Helen Worcester.
 Ralph Wight Atwater.
 William Ernest Bagster.
 Roland Henry Bezanson.
 Frank Nelson Blanchard.
 Irving Gaetz Blois.
 Stephen George Brennan.
 Chester Augustus Brigham.
 Arthur Leo Cavanagh.
 Walter Harlow Chambers.
 Ernest Wilder Chapin.
 Henry Ripley Cheetham.
 Joseph Gerard Clarke.
 Senekerim Mardiros Dohanian.
 Edward Ambrose Donahue.
 Fred Warren Flint.
 Harris Howard Freeman.
 John Whittier Geddes.
 John Arthur Gillooly.
 John Edward Gurvin.
 Lester Carlisle Gustin.
 Otis Lester Handley.
 Leslie Kimball Harlow.
 James Joseph Harrington.
 Carl Larrabee Hartshorn.
 Arthur Cushman Haskell.
 Burt Alden Hazeltine.
 Francis C. K. Hogan.
 Louis Frederick Holm.
 Charles Edwin Holmes.
 Oscar Lanson Honnors.
 Charles Thomas Hughes.
 Adelbert Lewis Jones.
 Walter Leverett Jones.
 Earl Herman Kathan.
 Paul-Emile Laurent.
 Edward Lowell Littlefield.
 Herman Miille, Jr.
 Henry Arthur Miner, Jr.
 William Herbert Moore.
 Guy Everett Morse.
 Dudley Roy Nowlin.
 David Austin Palmer.
 Levi Wright Parker.
 Roland Folsom Pease.
 Arthur C. W. Peterson.
 Samuel Taylor Rich.
 Frederick Reed Rowe.
 Cyrus Johns Russell.
 Carl Howard Sanborn.
 Harold Lowd Smart.
 Harvey Ellsworth Snow.
 Arthur Strout.
 George Chester Swallow.
 Harold Arthur Tarbox.
 Harold Stanley Taylor.
 Bliss Eugene Taylor.
 Frederick Hayward True.
 Percy Greene Whitman.

TABLE 27.--GRAMMAR SCHOOL GRADUATES.

The lack of a hall large enough to accommodate all the grammar school graduates and their friends compelled us to devote two evenings to the graduation exercises. Accordingly, Tuesday evening, June 22, and Wednesday evening, June 23, were set apart for the purpose.

The following was the order of exercises on Tuesday evening:—

Order of Exercises.

Henry H. Folsom, Chairman of School Board, presiding.

Overture.

“Stradella.”

Flotow

Boston Festival Orchestra.

1. Prayer.

Rev. W. C. Martin.

2. *†Singing.

(a) “The Song of the Skylark” (Four-Part Song),

H. K. Hadley

†(b) “Old Folks at Home” (Folk Song).

Foster

3. Address.

Rev. William R. Newhall, D. D., of Somerville.

4. †Singing.

Unison Solo: “The Lost Chord.”

A. Sullivan

5. Presentation of Diplomas to Graduates of the Prescott, Pope, Bell, Edgerly, and Glines Schools.

6. †Singing.

Miserere and Prison Song, “Trovatore.”

Verdi

7. Presentation of Diplomas to Graduates of the Forster and Bingham Schools.

8. Singing.

Vocal Waltz: “Blue Danube.”

Strauss

* All singing accompanied by the orchestra under the direction of S. Henry Hadley, teacher of music in the schools.

†Orchestration by S. Henry Hadley.

Names of Graduates.**PRESCOTT SCHOOL.**

Lyell E. T. Bachelder.

Grace Evelyn Batson.

William Drew Blunt.

Mary E. Carlson.

William Joseph Carroll.

Alice Frances Chamberlain.

Philip Sidney Davis.

Burton E. W. Durgin.

Melvin H. Durgin.

Marian Jeannette Durning.

Francis Joseph Fisher.

Gertrude Frances Ford.

Lena M. Hudd.

Sarah Lufkin.

Helen Gertrude Lynch.

Alfred Freeman McAlpine.

George Nicholas McMahan.

Alice Augusta Meehan.

Marian Evangeline Munroe.

Kendall J. Richardson.

Gladys Edwina Sanborn.

Veronica Catherine Shea.

Moses Harry Simon.

Joseph P. Smith.

Vera Smith.

Wilford Almon Walker.

Isabel Whiting.

POPE SCHOOL.

Elsie M. Abrams.	Rose L. Kelley.
Lucy I. Ahearn.	Gertrude A. Kurth.
Lydia E. Baier.	Herman J. Lee.
Thomas L. Broderick.	J. Samuel Lipkind.
Henry W. Carr.	Margaret G. Lynch.
Fred E. Clements.	Alta Margolis.
Gladys M. Cole.	William F. McKinmon.
Sadie A. Donald.	Mary E. McLaughlin.
Fanny B. Doty.	Estella M. McLean.
Augustus A. Dutra.	James H. McQuinn.
Viola I. Everett.	Ella M. Mullane.
Annie Fritz.	James H. O'Hara.
Helen R. Geddes.	Sarah E. Pearlman.
Abbie G. Glover.	Clarence B. Peck.
Irene A. Griffin.	Susie Phillips.
Philip Gullage.	Evelyn Pierce.
Robert A. Hermiston.	Mary I. Quirk.
Etole D. Hersey.	William Shea.
Katherine A. Himelman.	Edna A. Smith.
Albert A. Jordan.	Grace Sullivan.
George L. Keefe.	Mary T. Taglino.
Amelia F. Kellenberg.	Marion Towle.
Sarah J. Kelley.	Dorothy Wells.
John J. Kelliher.	Elizabeth H. Wentworth.

BELL SCHOOL.

Gladys M. Babcock.	Walter J. Mugford.
Paul F. Bailey.	Helena M. Muldoon.
Richard B. Barlow.	William H. Mullanny.
Aileen E. Blake.	C. Stuart Munro.
Paul G. Brack.	Paul F. Nolan.
Brown M. Caldwell.	Irene R. Orcutt.
Percy G. Cameron.	Marie E. Perkins.
Walter G. Cheever.	John S. H. Petit, Jr.
Ethel Clarke.	Orrin J. Petrie.
Mabel E. Clough.	Chester G. Price.
Charles D. Conte.	G. Martense Prince.
Mildred M. Cushing.	Anthony J. Quinn.
Ralph L. Dillon.	Ralph W. Rice.
Lucy B. Eaton.	Walter P. Rice.
Helen Farnham.	Louise M. Rickard.
Robert W. Farrell.	Agnes C. Riley.
Bernice M. Ford.	Margery A. Robinson.
Lester D. Gaffney.	Lillian G. Rogers.
George V. Gow.	Harold R. Sawyer.
Lena E. Grimes.	Editha A. Sharkey.
Lillian M. Hildred.	Clark W. Shattuck.
Eric A. Johnson.	Robert L. Stevenson.
Edith M. Jordan.	Rea S. Vroom.
J. Robert Keefe.	Elsie G. Walker.
Irving E. Lewis.	Mary C. F. Walker.
Alphonsus L. Madden.	James P. Walsh.
Gertrude M. Martin.	Marv A. Welch.
Helen A. McCarthy.	Henry B. Wing.
F. Lester McWilliams.	Hazel B. Wright.
Marguerite M. Morrison.	

EDGERLY SCHOOL.

Walter H. Arnold.	Helen M. Lowther.
E. Wilton Bearse.	Mary R. MacLeod.
Thomas F. Bishop.	Reta P. MacQuarrie.
Dorothy M. Blake.	Henry Martis.
Charles H. Blake.	Carrie M. McCullough.
Mary I. Canaway.	Thomas J. Meaney.
Chester E. Carvell.	Theodore P. Messer.
Madelene C. Cater.	Josephine V. Miller.
Mary I. Clough.	Mary A. Moore.
Hilda S. Corbin.	Florence H. Morrison.
Elizabeth L. Coughlin.	C. Evelyn Morton.
Anna N. Coughlin.	Pauline N. Murray.
Joseph I. Crocker.	Edward J. Murray.
Gladys G. Davis.	George N. Musgrove.
George F. Dearborn.	Seward E. Nichols.
Helen M. Decelle.	George C. Noyce.
Ethel M. Dugan.	Josephine J. O'Connor.
Arthur W. Edwards.	John E. O'Donnell.
Roderick H. Eldridge.	A. Myrtle Oliver.
Joseph L. Ferguson.	William A. O'Neil.
Richard J. Flaherty.	Richard W. O'Neil.
Florence L. Frazer.	Elmer H. Phelps.
Minott D. Given.	Charles B. Pickering.
Ernest E. Gustin.	John Quinn.
John E. Harrigan.	William F. Ricketson.
Charles E. Hawkins.	Mary E. Riley.
Louise C. Herrick.	Edward J. Rockett.
Clifford K. Herrick.	Grace L. Russell.
Paul A. Hewes.	Helen M. Russell.
Donald M. Hiltz.	Annie E. Ryan.
G. Charlotte Horton.	Ralph E. Sliney.
Chester A. Horton.	John R. Spiers.
Albert Howard, Jr.	Ruth R. W. Stinson.
Gene T. Kane.	Ruth N. St. Onge.
Edwin J. Keleher.	Frank J. Toomey.
John J. Kelley.	Gladys I. Towle.
Bertha F. Kerner.	Ruth H. Wentworth.
Bernice S. Lambert.	Roy L. Whiddon.
Rosa LaTerza.	Ruby S. White.
Joseph M. Looney.	Joseph S. Wilmarth.
Harold J. Lovering.	G. Carlton Wiswell.

GLINES SCHOOL.

M. Adeline Barnes.	Edith B. Harrison.
Myer Benjamin.	Myer H. Hillson.
Rosa Benjamin.	Helen F. Hilton.
J. Howard Bergmann.	J. Noble Hodgdon.
Vanessa L. Blaisdell.	Myrle A. Holmes.
Leon E. Blake.	Joseph W. Hurley.
Mabel Bourne.	Mary C. Hurley.
Anna E. Burbank.	Emily L. Johnson.
Pericle P. Cadario.	William Johnston, Jr.
Lewis O. Card.	E. Ralph Kenneson.
Rita J. E. Cliff.	Josephine M. Kirkland.
George G. Cox.	Lester A. Kirkpatrick.
Annie Doctoroff.	George A. Lantz.
George W. Dorey.	Ernest C. Larrabee.
Beatrice A. Greer.	Walter Larson.

Fannie M. Lipshires.
 Isabelle S. Marchant.
 Louis A. Marchant.
 H. Marie Mason.
 Alden Pratt.
 Ruth W. Russell.
 Clifford W. Seale.

Bernard V. Shea.
 Edwin P. Shea.
 Jennie W. Sherman.
 Gertrude F. Webber.
 Ray I. Whittemore.
 Walter B. Wiley.

FORSTER SCHOOL.

Chester E. Ames.
 Hubert E. Ames.
 Carolyn Elizabeth Armitage.
 Edith M. Bakin.
 Raymond Harding Baxter.
 Mary E. Bragan.
 Caleb J. Buffum.
 Howard K. Burbank.
 Katherine Caffrey.
 Herbert P. Campbell.
 Beulah C. Church.
 J. Madeline Coy.
 Harold E. Cook.
 Thomas L. Cronin.
 Mariner S. Crosby.
 Elmer H. Currier.
 Millie C. Davis.
 Ellen G. Desmond.
 Beatrice M. Dickinson.
 Vincent Dugmore.
 Paul H. Farrow.
 Mary C. Fielding.
 Charles F. Flammand.
 Martha L. Freeze.
 Sarah L. Gay.
 Lillian E. Gerrior.
 Molly Adelaide Gilman.
 Ruth M. Giles.
 Vernon Orville Giles.
 Francis William Goguen.
 Clarence E. Haines.
 Ethel L. Hamm.
 Kenneth B. Hayward.
 Florence M. Hazlett.
 Marion G. Higham.
 Virginia M. Johnson.
 Gladys E. Jones.

Marcia L. Jones.
 C. Howard Kidder.
 Mildred L. Knight.
 Harold F. Lebert.
 Sadie M. Lomasney.
 Gladys de Almeida Mackay.
 Thomas Joseph Madigan.
 Caroline F. McCarthy.
 Allan D. McInnis.
 Grace M. McKenna.
 Arthur H. Meecham.
 Roy W. Mosher.
 Marguerite A. Murray.
 Charles Joseph Nangle.
 Martin L. Paulson.
 William A. Reidt.
 Emil G. Richter.
 James Edward Rose.
 Viola Saville.
 Berry M. Sharp.
 Charles F. Sharkey.
 Robert L. Smith.
 George Harold Souther.
 Helen M. Strom.
 Louise M. Sweeney.
 George W. Tarbell.
 Fred M. Thomas.
 Clarence E. Turner.
 Helen Ruth Turner.
 Phoebe W. Underhill.
 Luther K. Wedgwood.
 Charles Theo Wheeler.
 Fannie E. Willis.
 Margaret P. Woodberry.
 Harlan Noyes Worthley.
 George S. Wyman.

BINGHAM SCHOOL.

Dora Baker.
 Francis L. Cahill.
 Daniel J. Curtin.
 Gertrude E. De Lorme.
 Walter W. Denney.
 Mary K. Doherty.
 Mary E. Doherty.
 Julia E. Finn.
 Francis L. Gallen.
 John F. Gallen.
 Mark L. Gannon.

Thomas J. Garrick.
 Mary T. Gurvin.
 George J. Hallion.
 Catharine M. Hanley.
 Harry F. Hughes.
 Mary I. Kelley.
 Margaret M. Kelley.
 Cornelius P. Lacey.
 Edwin H. Lombard.
 Angelo Luciano.
 Alice Macdonald.

John P. McGoldrick.
 Mary L. McKenna.
 Walter J. McKenna.
 John L. Mellen.
 Mary V. Meskill.
 John J. Morrissey.
 Lillian E. Murley.

Pierce L. Murphy.
 Francis J. O'Gara.
 Thomas E. Ryan.
 William F. Scully.
 Anastasia L. Steadman.
 Thomas M. Sweeney.
 Richard J. Trum.

The following was the order of exercises for Wednesday evening:—

Order of Exercises.

George C. Mahoney, Vice-Chairman of School Board, presiding.

Overture.

“Stradella.”

Flotow

Boston Festival Orchestra.

1. Prayer.

Rev. Harley D. Maxwell.

2. *†Singing.

(a) “The Song of the Skylark” (Four-Part Song),

H. K. Hadley

†(b) “Old Folks at Home” (Folk Song).

Foster

3. Address.

Rev. J. Vanor Garton, of Somerville.

4. †Singing.

Unison Solo: “The Lost Chord.”

A. Sullivan

5. Presentation of Diplomas to Graduates of the Knapp, Carr,
 Morse, and Brown Schools.

6. †Singing.

Miserere and Prison Song, “Trovatore.”

Verdi

7. Presentation of Diplomas to Graduates of the Highland and
 Hodgkins Schools.

8. Singing.

Vocal Waltz: “Blue Danube.”

Strauss

*All singing accompanied by the orchestra under the direction of S. Henry Hadley, teacher of music in the schools.

†Orchestration by S. Henry Hadley.

Names of Graduates.

KNAPP SCHOOL.

Alexander A. Anderson, Jr.

Willard J. Dondale.

Harold J. Anderson.

Edward J. Doucet.

Emilia A. Balogh.

Mildred R. Evans.

Grace I. Barker.

James M. Fennelly.

Lillian L. Barron.

Lewis Freedman.

Annie L. Bennett.

M. Edith Glynn.

John S. Bettencourt.

William J. Grady.

Harman A. Borgstrom.

Ada E. Groombridge.

Albert L. Bradley.

Frank J. Hadley.

J. Clinton Bradley.

Andrew Hambro.

Earle W. Chambers.

Mae F. Harrington.

James F. Coakley.

Charles F. Hellmann.

S. Gertrude Collins.

Frederick W. Hill.

C. Howard Collmer.

Elsie M. Hoffstedt.

Manuel F. Cunha.

Alexander J. Hyde.

Clarence Dalrymple.

Matilda M. Irwin.

Viola F. Dean.

Carrie A. Jarvis.

Henrietta L. Delay.

John A. Johnson.

Katherine F. Dewire.

Jennie L. Kilroy.

Emma B. Korman.
 I. Mabel Leary.
 Ethel A. Lord.
 Ralph B. MacCutcheon.
 Mary I. MacFarlane.
 Frederick C. Madden.
 Margaret E. Maguire.
 John L. McDonough.
 William R. McNulty.
 Raymond H. Merrill.
 Matilda R. Munroe.
 Charles M. O'Connor.
 George M. O'Neil.
 Lillian F. O'Neil.
 Isabelle M. Paz.
 Jessie A. Rapson.

Charles M. Rawson.
 Flora E. Remick.
 Frieda G. B. Rinaldi.
 Bertha E. Rogge.
 Adele Sampson.
 Agnes E. Sharry.
 Florence G. Simmons.
 J. Louise Starr.
 Anna L. Streb.
 Edward F. Sullivan.
 F. Charles T. Sullivan.
 Margaret M. Sweeney.
 Esther M. Tracy.
 Florence M. White.
 Mildred J. White.
 Velma I. Zeigler.

CARR SCHOOL.

James Arrington, Jr.
 Charlotte E. Baker.
 Florence Blair.
 Katherine Bowlby.
 Thomas J. Breslin.
 Paul B. Brine.
 Daniel Caless.
 Ruth A. Cambridge.
 Mildred P. Carr.
 L. Eugenie Carter.
 Earle R. Clark.
 Gladys C. Coker.
 Edward V. Colbert.
 Edgar D. Creighton.
 A. Ralph Crosby.
 William H. Crowell.
 Harold J. Daykin.
 John F. Donahue.
 Mary T. Donovan.
 S. Frances Dow.
 Carl J. Dowd.
 John B. Dupont.
 P. Aubrey Elston.
 Helen M. Farr.
 Nellie M. Forg.
 Lucy M. Gibson.
 Ethel M. Gross.
 Harold Hamlin.
 William J. Hartley.
 Beatrice I. Hepworth.
 Annie T. Holmes.
 Frances L. Homer.
 Pearl I. Hunt.

Elman C. Hunter.
 Florence M. T. Jackson.
 William C. Jones.
 Katharine J. Kiley.
 Helen F. Kilty.
 Florence M. Landini.
 John J. Lavey.
 Frances H. Lawler.
 Ruth A. Lovequist.
 Dorothy L. Lundgren.
 Alice M. McGrath.
 Francis J. Maloney.
 Bruce Mitchell.
 Joseph L. Murphy.
 Winnifred S. Mustoe.
 Ellen C. Nelson.
 Edith A. Olson.
 May A. Parslow.
 Emily I. Pepper.
 John L. Porter.
 Harold I. Prebensen.
 Helen F. Roche.
 Catharine L. Rose.
 Annie H. Smith.
 Ruth F. Sterling.
 Wallace W. Stuart.
 John J. Sullivan.
 James H. Thacher.
 Delina R. Theriault.
 Florence M. Theriault.
 Elizabeth Thorpe.
 Thomas A. West.
 Raymond W. Wheeler.

MORSE SCHOOL.

Warren E. Bolton.
 Louis J. Bragole.
 William O. Brooks.
 Paul T. Budgell.
 Edward M. Bullard.
 Elsiens G. Campbell.

Oscar H. Cederlund.
 Carl Collingham.
 Frank C. Davis.
 Grace E. Dodge.
 Frank B. Dyson.
 Douglas Fleming.

Harold L. Gardner.
 Ruth E. Gardner.
 Margaret T. Gillis.
 Eva M. Givan.
 J. Hamilton Givan, Jr.
 Esther Hammond.
 Benedict Hemmerlin.
 Elizabeth M. Johnson.
 Agnes M. Keating.
 Herbert S. Kingsman.
 Evelyn M. Lakin.
 Blanche H. Lanman.
 Kittie L. Martin.
 John J. McCarthy.
 Mildred B. Merrill.
 Mildred E. Nolan.

Gerard O'Brien.
 Lucy M. Peterson.
 Chester A. Ryder.
 Ruth L. Sawyer.
 Marguerite H. Sears.
 Esther M. Sharkey.
 Madeline E. Simmons.
 Pauline A. Stevens.
 Ruth M. Stevens.
 Mildred M. F. Sullivan.
 Mary W. Toomey.
 Helena L. Trolsaas.
 Lillian G. Vears.
 Mary H. Vears.
 Helen M. Wheeler.
 Ruth G. Woodward.

BROWN SCHOOL.

Edith C. Anderson.
 Mildred E. Austin.
 Marion L. Baker.
 Herbert W. Barrett.
 Miriam Bernson.
 Albert H. Bradhurst.
 Mildred E. Brown.
 Rose I. Byrnes.
 James T. Cronin.
 Horace J. Day.
 William W. Dougall.
 I. Marguerite Elliott.
 E. Mabel Elliott.
 Edith G. Forbes.
 John Forbes.
 Wilfred J. Fuller.
 Florence G. Grout.
 Howard S. Hanna.
 Henry J. Hartman.
 Edith Higgins.
 Florence Higgins.
 Maurice S. Hutchins.

Ralph D. Kinney.
 Gladys E. Mackinnon.
 Loretta M. McDonough.
 Elizabeth T. Montgomery.
 Marjorie A. Moore.
 Leon T. Matthews.
 Annie F. O'Neill.
 Adrienne A. Paradis.
 Douglas R. Pollard.
 Pearl Rand.
 Frederick O. Rice.
 Ethel M. Rice.
 David A. Rubinstein.
 Gertrude B. Smith.
 Adolph R. Soderberg.
 Jesse L. Stewart.
 Wesley R. Thomas.
 Harold F. Tupper.
 Margaret J. E. Tyson.
 Norman L. Wright.
 Lena R. Wilansky.

HIGHLAND SCHOOL.

Helen F. Abbott.
 Paul D. Ackerman.
 Dora C. Anderson.
 Gladys E. Arrington.
 Edward T. Baker.
 George H. Baker.
 Arthur S. Billings.
 Mildred I. Bowlby.
 Helen S. Bowman.
 Gladys I. Chase.
 Sylvia M. Cleveland.
 Ernest G. Collupy.
 Wallace T. Crispin.
 Ralph H. Cutter.
 Lettie M. Dingwell.
 Marion H. Dion.
 G. Clyde Dickson.

Mabel E. Dickson.
 Marion L. Flagg.
 Beatrice D. Fillmore.
 Charles N. Field.
 John F. Foster.
 Alfred F. Fox.
 T. Willard Fuller.
 Frank H. Gale.
 Gerald F. Gillis.
 Maud E. Girard.
 Rose M. Gnecco.
 Phyllis G. Grace.
 Marie I. Hansen.
 Iva A. Hare.
 Arthur A. Harlow.
 Ethel B. Heald.
 Claire E. Honors.

Mildred B. Horsman.
 Bernice E. Hunnewell.
 Reta Hunnewell.
 Charles F. Hunnewell.
 Roger Hunnewell.
 Walter S. Ireland.
 Mae Innis.
 Charles J. Jesson.
 Herman W. Jones.
 Grace C. Kelley.
 Alva M. Kennedy.
 Harold M. Kirker.
 Marion Knowles.
 Stanley V. Lane.
 Ruth G. Lane.
 Bertha L. Lewis.
 Grace M. Lewis.
 Helen G. Macauley.
 M. Edith MacPhee.
 Frances B. Macy.
 Wilbur B. Maskell.
 Anna L. McCarthy.
 Allan M. McGinn.
 Amy E. McKinley.
 Bessie B. McGray.
 H. Doane McGray.
 Isabel A. McPhail.
 Mary W. Merry.
 Greta W. Miles.
 Trueman G. Morison.
 Hazel L. O'Brien.

Kenneth P. Palmer.
 Jess D. Pease.
 Edward S. Pettes.
 Eudora K. Pettes.
 Alma L. Porter.
 Lester R. Pollard.
 Helen W. Pond.
 Florence S. Prescott.
 M. Helen Prescott.
 Albertine A. Rich.
 W. Creighton Richardson.
 Dorothy Rosenauer.
 Ellsworth T. Simpson.
 Marion K. Slade.
 Gladys M. Smith.
 Lewis H. Smith.
 Ena B. Stack.
 Earl C. Steeves.
 William D. Swain.
 Walter P. Sweet.
 Rachel Stevens.
 M. Stella E. Traverse.
 Elsa B. Tholander.
 Louise M. Truesdell.
 Rebecca Tutein.
 Otis Wellington.
 Frederick T. Williams.
 Ethel D. Wilson.
 George E. Wilson.
 Winifred W. Yorke.

HODGKINS SCHOOL.

Dorothy M. Allen.
 Ralph A. Armour.
 Ruth M. Bailey.
 Ragnar W. Berquist.
 Irving M. Bickford.
 Margaret L. Blanchard.
 Marion L. Brown.
 Erminie M. Burtnett.
 Louise M. Bryan.
 L. Minot Cheever.
 S. May Chute.
 Lucile H. Coaker.
 Elsie L. Cobb.
 Gladys I. Cushing.
 Marion B. Davis.
 Florence M. Drinkwater.
 Edwin S. Dutton.
 Anna E. Erikson.
 Mattie E. Exum.
 Doris M. Fitch.
 William J. Fraser.
 Chester F. Galloupe.
 Elsie B. Goddard.
 Gladys M. Goodwin.
 Ruth M. Gorton.
 Arthur R. Gould.
 Eleanor Greenwood.
 Sherman C. Griffiths.

Chester W. Hadley.
 Ralph S. Hadley.
 K. Olive Hirst.
 Edith N. Horne.
 C. Sumner Hunter.
 Florence E. Ivester.
 Lena G. Ivester.
 Iola W. Johnson.
 Harold B. Leland.
 Florence E. Libby.
 Howard E. Merrill.
 Howard B. Mills.
 Robert W. Mulloney.
 Milton B. Neal.
 Daniel N. Pearson.
 Olive C. Perkins.
 Alma C. Pigon.
 Madeleine C. Pipe.
 Alice M. Piper.
 Arthur C. Reade.
 Harold D. Rice.
 Paul F. Robinson.
 Josephine H. Rourke.
 W. Franklin Terry.
 Adeline T. Valente.
 Florence M. Wallstrom.
 Homer A. White.

TABLE 28.—ORGANIZATION OF SCHOOL BOARD, 1910.

School Committee.

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

Members.

	EX-OFFICIIS.	Term expires January.
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.		
LEONARD H. POTE,	694 Broadway.	1911
FREDERICK A. P. FISKE,	44 Cherry street.	1912
WARD SEVEN.		
MRS. LILLA H. TAINTER,	46 Chester street.	1911
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 clerks:—

Mary A. Clark, 42 Highland avenue.

Mildred A. Merrill, 26 Cambria street.

Board Meetings.

January 31.	April 25.	September 26.	December 23.
February 28.	May 30.	October 31.	December 30.
March 23.	June 27.	November 28.	
		8.15 o'clock.	

TABLE 28.—ORGANIZATION OF SCHOOL BOARD, 1910—Concluded.**Standing Committees, 1910.**

Note.—The member first named is chairman.

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

Music.—Mrs. Whiting, Bradley, Folsom.

Private Schools.—Clancy, Pote, 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, Pote.

TABLE 29.—TEACHERS IN SERVICE JANUARY, 1910.

NAME AND RESIDENCE.	Salary.	Began Service.
LATIN HIGH SCHOOL.		
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	1,900	1887
G. M. Hosmer, Sub-Master, 13 Arlington Street	1,500	1901
W. D. Sprague, Sub-Master, 16 Pleasant Avenue	1,700	1906
F. H. Wilkins, Sub-Master, 61 Boston Street	1,600	1906
Alfred W. Dickinson	200	1909
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	950	1903
F. Gertrude Perkins, 17 Pleasant Avenue	900	1906
Natalie A. Smith, 60 Albion Street	950	1909
Mary Cliff, 427 Shawmut Avenue, Boston	900	1908
Grace E. W. Sprague, 888 Massachusetts Avenue, Cambridge	900	1908
Kate M. Monro, 153 School Street	800	1909
ENGLISH HIGH SCHOOL.		
Central Hill.		
JOHN A. AVERY, Head Master, 22 Dartmouth Street	\$2,800	1895
Everett W. Tuttle, Master, 62 Highland Avenue	1,950	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, 69 Walnut Street	1,700	1906
Laurence A. Sprague, 17 Perkins Street, West Newton	1,300	1906
John M. Jaynes, 29 Putnam Street	1,100	1901
Archibald S. Bennett, 12 Grand View Avenue	1,500	1908
Stephen E. Wright, Y. M. C. A. Building	1,300	1909
Frank A. Scott, 40 Dover Street	1,300	1909
Roy W. Hatch, 80 Lowden Avenue	1,300	1909
Augustus B. Tripp, 67 Wallace Street	800	1909
A. Marion Merrill, 66 Highland Avenue	1,200	1895
Mrs. Mary C. Thurston, 271 Medford Street	1,000	1898
Harriet E. Tuell, 66 Highland Avenue	1,000	1897
Helen L. Follansbee, 40 Vinal Avenue	1,150	1900
Elizabeth Campbell, 15 Pleasant Avenue	1,000	1902
Mrs. Jessamine D. 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	950	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, 79 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, 15 Prospect Hill Avenue	900	1906
Mary E. Hadley, 46 Westminster Avenue, Arlington Heights	900	1907
Grace Gatchell, 60 Vinal Avenue	900	1906
Winifred E. Howe, 60 Vinal Avenue	950	1907
Flora E. Anderson, 8-A Hancock Street	900	1907
A. Marguerite Browne, Cambridge	850	1908
Annie C. Woodward, 150 School Street	700	1906
Cara F. Dillingham, 31 Warren Avenue	750	1909
Mabell M. Ham, 41 Boston Street	700	1906

*Leave of absence.

TABLE 29.—Teachers in Service January, 1910.—Continued.

Grade.	NAME AND RESIDENCE.	Salary.	Began Service.
(WILLIAM H.) PRESCOTT SCHOOL.			
Pearl and Myrtle Streets.			
9.	SAMUEL A. JOHNSON, Master, 83 Thurston Street	\$1,900	1893
9.	Elizabeth M. Warren, 46 Vinal Avenue	775	1897
8.	Susie M. Hosmer, 31 Thurston Street	700	1899
7.	Emma M. Cate, 15 Fletcher Street, Winchester	700	1882
7.	Edyth M. Grimshaw, Readville	700	1909
6.			
6.	Florence A. Eaton, 17 Pleasant Avenue	700	1906
5.	Georgiana Smith, 61 Pearl Street	700	1906
5.	Georgia P. Wardwell, 21 Pleasant Avenue	700	1903
4.	Clara Taylor, 36 Flint Street	700	1871
3.	Elizabeth L. Marvin, 13 Pleasant Avenue	700	1898
2.	Louise E. Pratt, 110 Pearl Street	700	1889
1.	A. Louise Bean, 38 Pearl Street	700	1904
SANFORD HANSCOM SCHOOL.			
Webster and Rush Streets.			
6.	ELIZABETH M. COLLINS, Principal, 62 Highland Avenue	\$950	1901
Asst.	Agness M. Travis, Winthrop Highlands	700	1908
5.	Mary V. Williams, 73 High Rock Street, Lynn	700	1908
4.	Mary B. Nelson, 21 Pleasant Avenue	700	1908
3.	Frances E. Robinson, 89 Cross Street	700	1906
3.	Jennie M. Twiss, 67 Berkeley Street	700	1903
2.	Maude A. Nichols, 15 Pleasant Avenue	700	1906
2.	Mrs. Emma B. Jones, 18 Sargent Avenue	700	1889
1.	Phenie L. DuGar, 46 Vinal Avenue	700	1907
1.	Mattie L. Littlefield, 65 Glen Street	700	1897
Kind'n.	Elizabeth J. Baker, 78 Highland Avenue	600	1907
Asst.	Florence M. Shaw, 44 Benton Road	275	1909
JOSHUA H. DAVIS SCHOOL.			
Tufts Street.			
3.	MARY A. HOLT, Principal, 72 Boston Street	\$775	1899
4.			
2.	Carrie T. Lincoln, 79 Marshall Street	700	1893
1.	P. A. Merritt, 96 Oxford Street	700	1885
CLARK BENNETT SCHOOL.			
Poplar and Maple Streets.			
5, 6.	ANNIE E. McCARTY, Principal, 24 Stone Avenue	\$1,000	1880
Asst.	Kate B. Gifford, 67 Columbus Avenue	700	1902
5.	Edith A. Maxwell, 22 Aldersey Street	700	1906
4.	Katherine Pike, 72 Rush Street	700	1906
4.	Marie Neis, 27 Gibbens Street	700	1903
3.	Nellie F. Eaton, 15 Pleasant Avenue	700	1906
3.	Katharine C. Connolly, 101 School Street	700	1897
2.	Eleanor W. Nolan, 72 Rush Street	700	1906
2.	Mrs. Nettie L. Fay, 67 Walnut Street	700	1901
1.	Isadore E. Taylor, 36 Flint Street	700	1883
1.	Bertha M. Martindale, 21 Highland Avenue	700	1902
1.	Mrs. Cora B. Gowen, 61 Walnut Street	700	1906
Kind'n.	Caroline G. Baker, 40 Benton Road	600	1896
Asst.	Alice M. Saben, 110 Pearl Street	425	1903

TABLE 29.— Teachers in Service January, 1910.—Continued.

Grade.	NAME AND RESIDENCE.	Salary.	Began Service.
GEORGE L. BAXTER SCHOOL.			
Bolton Street.			
5.	Etta R. Holden, 12 Warren Avenue	\$700	1908
4.	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
Asst.	Lynda V. Merrill, 11 Marion Street	425	1908
Kind'n.	Eleanor A. Connor, 59 Church Street	600	1903
Asst.	Mary T. McCarthy, 24 Preston Road	350	1908
OREN S. KNAPP SCHOOL.			
Concord Avenue.			
9.	JOHN SHERBURNE EMERSON, Master, 3 Preston Road,	\$1,900	1894
9, 8.	Mary J. Malaney, 18 Pleasant Avenue	700	1908
8.	Nellie Theresa McCarthy, Woburn	700	1909
8.	Minnie A. Holden, 19 Concord Avenue	700	1906
7.	Clara B. Parkhurst, 22 Highland Avenue	700	1889
7.	*Clara B. Sackett, 91 Summer Street	700	1891
7, 6.	Edith Hersey, 154 Washington Avenue, Chelsea	700	1899
6.	Florence M. Hopkins, 50 Craigie Street	700	1907
5.	Daisy King, 25 Alexander Street, Dorchester	700	1905
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
1.	Alice L. Reid, 37 Spring Street	525	1908
ALBION A. PERRY SCHOOL.			
Washington Street, near Dane.			
6.	CATHERINE E. SWEENEY, Principal, 633 Broadway	\$825	1901
5.	Mary A. Mullin	500	1909
4.	Irene Vincent, 47 Vinal Avenue	700	1903
3.	Mary G. Blackwell, 45 Ibbetson Street	700	1900
2.	Charlotte Holmes, 9 Greene Street	700	1899
1.	Mrs. Sarah E. Murphy, 21 Fountain Avenue	700	1906
Asst.	Nona Blackwell, 45 Ibbetson Street	525	1908
CHARLES G. POPE SCHOOL.			
Washington and Boston Streets.			
9.	GEORGE M. WADSWORTH, Master, Whitman	\$1,900	1891
9.	Florence A. Chaney, 56 Boston Street	775	1892
8, 9.	Alice I. Norcross, 28 Russell Avenue, Watertown	725	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
7, 6.	Minnie A. Blood, 63 Walnut Street	700	1897
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.	Mabel K. Davis, 11 Harvard Place	700	1904
2.	Florence E. Locke, 9 Prospect Hill Avenue	700	1899
1.	Alice B. Frye, 6 Chester Street, Malden	700	1904

*Leave of absence.

TABLE 29. — Teachers in Service January, 1910. — Continued.

Grade.	NAME AND RESIDENCE.	Salary.	Began Service.
LUTHER V. BELL SCHOOL.			
Vinal Avenue.			
9.	HARLAN P. KNIGHT, Master, 61 Putnam Street	\$1,900	1897
9.	Alice L. Davis, 40 Vinal Avenue	775	1895
9, 8.	Grace E. Weeks, 32 Vinal Avenue	725	1899
8.	Rena S. Hezelton, 26 Cambria Street	650	1909
7.	Eva R. Barton, Stoneham	700	1904
6, 7.	Mary F. Osborne, 67 Boston Street	700	1908
6.	Mrs. Mabel T. Totman, 64 Vinal 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.	Helen C. Gray, 10 Gardner Street, Cambridge	700	1908
2.	Blanche L. Paine, 11 Landers Street	700	1905
1.	Lucia Alger, 29 Columbus Avenue	700	1889
(JOHN A.) CUMMINGS SCHOOL.			
School Street, near Highland Avenue.			
3.	FANNIE L. GWYNNE, Principal, 65 School Street	\$775	1886
4.	Daisy W. Cushman, 40 Vinal Avenue	700	1906
2.	Angeline Cann, Hotel Woodbridge	700	1897
1.	Elizabeth L. Hersey, 11 East Newton Street, Boston	700	1896
(JOHN G.) EDGERLY SCHOOL.			
Cross and Bonair Streets.			
9.	CHARLES E. BRAINARD, Master, 82 Munroe Street	\$1,900	1889
9.	M. Eva Warren, 151 Walnut Street	775	1906
9, 8.	Annie L. Dimpsey, Hotel Woodbridge	725	1891
8.	Mary E. Richardson, 14 Stickney Avenue	700	1893
8.	Mabel Washburn, 267 Medford Street	700	1906
7.	Mabel C. Mansfield, 14 Stickney Avenue	700	1893
7.	Isabelle M. Gray, 23 Webster Street	700	1897
6.	Edith M. Snell, 4 Vine Street, Melrose	700	1900
5.	G. Hortense Pentecost, 26 Walter Street	700	1905
4.	J. Louise Smith, 196 Washington Street, Lynn	700	1896
3.	Lillian Nealley, 109 Glen Street	700	1882
2.	Alice W. Cunningham, 42 Highland Avenue	700	1901
1.	Martha M. Power, 37 Gleason Street, West Medford	700	1890
JACOB T. GLINES SCHOOL.			
Jaques Street, near Grant Street.			
9.	MARY E. NORTHUP, Master, 9 Forster Street	\$1,900	1878
9.	Mary E. Stiles, 9 Forster Street	775	1883
8.	Mary A. Lawry, 14 Maple Avenue	700	1905
8.	Lilla M. Marble, 72 Rush Street	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
4.	Mary A. Goddard, 9 Winter Hill Circle	700	1893
3, 4.	Leslie Caverly, 210 Washington Avenue, Chelsea	650	1908
3.	Florence E. Baxter, 49 Hudson Street	700	1891
2.	Anna G. Welch, 324 Main Street, Stoneham	700	1897
1, 2.	Mrs. Carrie Armitage, 57 Madison Street	700	1899
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, 1910.—Continued.

Grade.	NAME AND RESIDENCE.	Salary.	Began Service.
(CHARLES) FORSTER SCHOOL.			
Sycamore Street and Evergreen Avenue.			
9.	FRED C. BALDWIN, Master, 106 Sycamore Street . . .	\$1,900	1893
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, 9 Oakland Avenue	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, 60 Glenwood Road	600	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, 54 Logan Avenue, Medford	700	1899
5.	Elizabeth S. Brown, 14 Stickney Avenue	700	1897
4.	Laura R. Cunningham, 42 Highland Avenue	700	1904
4.			
3.	Mrs. Annie J. Ireland, Winchester	700	1909
3.	Annie S. Gage, 32 Marshall Street	700	1881
2.	Mabel G. Delano, 108 Cross Street	700	1901
2.	Martha L. Hale, 157 Highland Avenue	700	1899
1.	Grace Shorey, 23 Forster Street	700	1892
1.	Cora J. Demond, 146 Massachusetts Avenue, Boston	700	1900
(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
7.	Jane Batson, 15 Florence Street, Malden	700	1900
7.	Naomi E. Stevens, 134 Austin Street, Cambridge	700	1902
6.	Lucy K. Hatch, 103 Glenwood Road	700	1892
6.			
5.	Mary F. Mead, 35 Kidder Avenue	700	1905
5.	Harriet F. Ward, 96 Sycamore Street	700	1895
4.	Eva M. Barrows, 720 Broadway	700	1903
4.	Helen L. Galvin, Braintree	700	1903
3.	Harriet M. Bell, 34 Bow Street	700	1904
3.	Bessie J. Baker, Malden	700	1905
2.	Grace F. Mulcahy, 350 Broadway	700	1903
2.	Nellie R. Bray, 3 Oakland Avenue	700	1897
1.	Mabel E. Mansir, 77 Albion Street	700	1894
1.	Clara L. Griffiths, 39 Ames Street	700	1902
Asst.	Frances E. Welch, 303 Highland Avenue	350	1908
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, 8.	Clara D. Eddy, 35 Laurel 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
6.	Marie T. Smith, 15 Day Street	700	1898
6.	Susie L. Luce, 8 Walter Terrace	700	1896
5.	Mary A. Haley, 117 Summer Street	700	1867
5.	Grace T. Merritt, 47 Cherry Street	700	1897
5, 4.	Leila L. Rand, 87 Raymond Street, Cambridge	700	1908
4.	Elizabeth S. Foster, 11 Preston Road	700	1895
3, 4.	Lillian M. Wentworth, 248 Highland Avenue	700	1909
3.	Florence B. Howland, 6 Highland Avenue	700	1897
3.	Florence M. Dearborn, 35 Laurel Street	700	1904
2.	Ethel F. Morang, 157 Lowell Street	700	1898
1.	Annie B. Russell, 45 Russell Street	700	1901
1.	Pearl F. Dame, 1 Ellsworth Street	525	1906

TABLE 29.—Teachers in Service January, 1910.—Continued.

Grade.	NAME AND RESIDENCE.	Salary.	Began Service.
(ENOCH R.) MORSE SCHOOL.			
Summer and Craigie Streets.			
9.	MINA J. WENDELL, Master, 211-A Summer Street	\$1,900	1882
9.	Alice E. Jones, 23 Greene Street	775	1897
8.	Mrs. M. Florence Eustis, 25 Greene Street	700	1906
8.	Mrs. Clara A. Ball, 12 State Street, Cambridge	700	1906
7.	Mrs. Harriette C. Hamilton, 219 Summer Street	700	1900
7.	Lennie W. Bartlett, 11 Preston Road	700	1893
6.	Blanche E. Thompson, 108 School Street	700	1906
5.	Lizzie E. Hill, Boston	700	1890
4.	Alice B. Hazelton, 14 Billingham Street	700	1904
3.	Mrs. Agnes C. Rice, 20 Spring Hill Terrace	700	1900
2.	Mrs. Cora F. Woodward, 49 Linden Avenue	650	1908
1, 2.	Grace S. Russell, 1097 Broadway	700	1900
1.	Emma M. McKinley, 65 Grove Street	425	1907
GEORGE O. PROCTOR SCHOOL.			
Hudson Street.			
6.	NORA F. BYARD, Principal	\$900	1884
Asst.	Annie Sanburn, 20 Ashburton Place, Boston	700	1907
5.	Alice G. Hosmer, 42 Boston Street	700	1906
5, 4.	Ella P. McLeod, Corner Forrest and Beacon Streets	700	1888
4.	Abbie A. Gurney, 29 Columbus Avenue	700	1888
3.	Clara L. Hammond, 62 Chandler Street	700	1903
2, 3.	Mary S. Richardson, 13 Bartlett Street	700	1906
2.	Edith L. Hunnewell, 23 Milton Street	700	1894
1.	L. Margaret Potter, 59 Belvidere Street, Boston	700	1906
GEORGE W. DURELL SCHOOL.			
Beacon and Kent Streets.			
4.	ABIGAIL P. HAZELTON, Principal, 14 Billingham Street,	\$775	1902
3.	Lucie H. Chamberlain, 91 Belmont Street	700	1907
2.	Lena Monroe, 211-A Summer Street	700	1908
1.	Mary Winslow, 23 Hall Street	500	1887
MARK F. BURNS SCHOOL.			
Cherry Street, near Highland Avenue.			
7.	LAURA J. BROOKS, Principal, 31 Stevens St., Stoneham,	\$900	1883
Asst.	Mrs. Mary C. Buck, 12 Powder House Terrace	350	1899
6.	Cara M. Johnson, 130 Park Ave., Arlington Heights	700	1897
5.	Minnie S. Turner, 153 Lowell Street	700	1885
4.	*Bessie I. Sutton, 67 Westland Avenue, Boston	700	1907
4.	Mrs. Margaret D. Hellyar, 20 Lincoln Street	600	1909
3.	Annie L. Brown, 281 Summer Street	700	1885
2.	Mary E. Lacy, 63 Cherry Street	700	1890
1, 2.	Ardelle Abbott, 71 Craigie Street	700	1896
1.	Alice E. Morang, 157 Lowell Street	700	1893
BENJAMIN G. BROWN SCHOOL.			
Willow Avenue and Josephine Avenue.			
9.	GEORGE I. BOWDEN, Master, Hingham	\$1,700	1908
9.	Annie G. Smith, 59 Maple Street, Malden	775	1901
8.	Jennie P. Chapman, 29 Kidder Avenue	700	1905
7.	Edith G. Watts, 16 Fosket Street	700	1904
6.	Mrs. Phebe E. Mathews, 159 Morrison Avenue	700	1897
5.	Grace J. Alexander, 49 College Avenue	700	1900
4.	Edna M. Proctor, 93 Revere Street, Boston	700	1901
3.	Lucy M. Curtis, 77 Walnut Street	700	1900
2.	Mrs. Grace H. Bliss, 28 Russell Road	700	1900
2, 1.	Rena H. Wiley, 31 Brastow Avenue	650	1906
1.	Ida M. Record, 77 Walnut Street	700	1899

*Leave of absence.

TABLE 29.—Teachers in Service January, 1910.—Continued.

Grade.	NAME AND RESIDENCE.	Salary.	Began Service.
HIGHLAND SCHOOL.			
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	700	1893
9.	Marguerite Burns, 64 Hall Avenue	725	1907
8.	Mary L. Bryant, 24 Hall Avenue	700	1903
8.	Mrs. Nellie G. Stewart, 71 Hall Avenue	700	1908
7.	Elsie M. Ross, 201 Morrison Avenue	650	1908
7.	Sarah E. Pray, 126 Orchard Street	700	1877
6.	Charlotte M. Canfield, 14 Irving Street	650	1909
6.	Lillian F. Richardson, 33 Wallace Street	700	1904
6.	Marie Clifford, 23 Wendell 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
WILLIAM H. HODGKINS SCHOOL.			
Holland Street.			
9.	ARTHUR L. DOE, Master, 1077 Broadway	\$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, 143 College Avenue	700	1909
7.	Lilla E. Mann, 75 Wallace Street	700	1902
7.	Luanna B. DeCatur, 163 Lowell Street	700	1909
6.	Mrs. Gertrude W. Leighton, 85 Central Street	700	1895
6.	Beatrice A. Randall, 14 Oxford Street, Cambridge	700	1905
5.	Flora A. Burgess, Arlington Heights	700	1894
5.	Catherine A. Burden, 406 Highland Avenue	700	1902
4.	Genieve R. Barrows, Waban	700	1905
4.	Katherine M. Fox, Stoneham	700	1896
2.	Jennie M. Patterson, 17 Avon Street	700	1903
2.	Hortense F. Small, 9 Newbury Street	425	1908
1.	Dorothy G. Stevens, 168 Lowell Street	700	1909
Asst.	Ellen A. Baker, 12 Windom Street	350	1908
Asst.	Lillian M. Huntington, 44 Preston Road	525	1907
(CHARLES S.) LINCOLN SCHOOL.			
Broadway, near Teele Square.			
3, 2.	ELIZA H. LUNT, Principal, 50 Curtis Street	\$775	1889
3.	Olivia M. Woods, 60 Sacramento Street, Cambridge	500	1908
2.	Almena J. Mansir, 77 Albion Street	700	1899
1.	Annie H. Hall, 97 College Avenue	700	1906
Asst.	Mrs. Louise K. Simm, Waverley	425	1909
Asst.	Mrs. Jane A. Smith, 11 William Street	425	1909
MARTHA PERRY LOWE SCHOOL.			
Morrison Avenue, near Grove Street.			
4.	MAY E. SMALL, Principal, 12 Day Street, Cambridge	\$900	1900
Asst.	Annie Sanburn, 20 Ashburton Place, Boston	700	1907
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, 296 Highland Avenue	700	1892
1.	Clara G. Hegan, 100 School Street	700	1897
1.	Martha A. Jencks, 64 Hall Avenue	700	1898
EVENING SCHOOL PRINCIPALS.			
	WILLIAM D. SPRAGUE, High	\$6.00	
	CHARLES T. MURRAY, Prescott	3.00	
	JOHN S. EMERSON, Bell	4.00	
	CHARLES E. BRAINARD, Highland	3.00	

TABLE 29.—Teachers in Service January, 1910.—Concluded.

Grade.	NAME AND RESIDENCE.	Salary.	Began Service.
CADET TEACHERS.			
	Isabel M. Brūnton, 19 Hanson Street	\$200	1909
	Julia M. Delay, 32 Line Street	200	1909
	Susie A. Fitzpatrick, 419 Somerville Avenue	200	1909
SPECIAL TEACHERS.			
MUSIC.			
7-13.	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.	Mary L. Patrick, Newtonville	1,000	1895
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.	Sara I. Gale, 10 Brastow Avenue	550	1908
PENMANSHIP.			
9-1.	William A. Whitehouse, 26 Cambria Street	1,500	1895
MANUAL TRAINING.			
	Frederick O. Smith, 135 Powder House Boulevard	100	1909
9, 8.	Andrew Bjurman, 15 Fairview Terrace, Maplewood	1,400	1907
9, 8.	Willis E. Higgins, 67 Beech Street	1,400	1907
ASSISTANT IN PROCTOR AND LOWE.			
	Annie Sanburn, 20 Ashburton Place, Boston	700	1906
ASSISTANT IN BURNS.			
	Mary C. Buck	350	1908

TABLE 30.—OFFICERS, ETC., IN SERVICE JANUARY, 1910.

NAME AND ADDRESS.	Salary.
Charles S. Clark, 82 Munroe Street	\$3,000
CLERKS.	
Mary A. Clark, 42 Highland Avenue	750
Mildred A. Merrill, 26 Cambria Street	600
TRUANT OFFICERS.	
Justin W. Lovett, 13 Hudson Street	1,350
Jairus Mann, 80 Porter Street	50

TABLE 31.—SCHOOL JANITORS, JANUARY, 1910.

School.	Name.	Residence.	Salary.
High Schools, S	John H. Kelley	7 Madison St.	\$25.00
High Schools, assistant	Joseph Young	51 Oxford St.	13.50
High Schools, assistant	William H. Kelley	25 Aldrich 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	Thomas F. O'Day	134 Lowell St.	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	William Meskill	53 Partridge Ave.	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	F. S. Dickinson	1 Putnam St.	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	97 Gilman St.	17.00
Lincoln, S, 4	Thomas C. Dame	1 Ellsworth St.	12.00
Lowe, S, 8	John F. Richardson	190 Morrison Ave.	13.50

Buildings heated by steam are marked "S," by furnace "F." The numbers show the number of rooms.

The high schools are heated by a single plant in Latin building.

SUPPLEMENTARY TABLES.

- Table A.—Attendance by Grades for Series of years
Table B.—Proportion Between Number Entering Each Class
and Its Membership in Subsequent Grades
Table C.—Decrease of Membership
Table D.—Diagram
Table E.—Distribution of Pupils by Ages, October 1, 1909
Table F.—Distribution of Pupils 14 but not 15, October 1, 1909,
Table G.—Manual Training Course in Sixth and Seventh
Grades
Table H.—Number of books in use December, 1909
Table I.—Treasurer's Report of Somerville High School Ath-
letic Association
Table J.—Amendments to Rules Since Printing of Last Report,

TABLE A. — ATTENDANCE BY GRADES FOR SERIES OF YEARS.

Attendance by Grades—Boys.

Heavy line shows membership of a single class.

Grade	1909	1908	1907	1906	1905	1904	1903	1902	1901	1900	1899	1898	1897	1896	1895	1894	1893	1892	1891	1890	1889	1888	1887	1886
K	98	98	93	99	94	112	89	93	108	96	130	127	112	68	65	20	...	...	...	...	...	...	...	...
1	830	833	772	782	841	824	875	830	780	834	844	902	811	785	774	705	728	708	706	667	667	672	660	580
2	736	726	710	771	756	767	687	651	689	673	647	586	549	572	551	516	464	547	504	453	430	447	396	356
3	672	665	709	710	667	643	673	633	632	630	566	547	528	484	476	432	406	487	448	400	401	381	341	360
4	648	691	697	647	638	660	625	607	692	560	581	537	507	460	445	417	410	453	414	413	379	367	395	346
5	669	671	625	630	627	636	598	598	557	549	499	509	426	428	414	406	377	407	384	339	348	348	314	312
6	619	623	697	583	590	560	571	500	503	451	432	382	380	367	378	313	317	368	384	325	322	280	299	284
7	558	559	522	510	484	489	460	441	401	381	348	335	313	349	301	270	294	337	273	268	239	221	240	219
8	449	431	419	400	422	386	335	311	293	292	271	261	268	217	198	237	270	213	236	200	189	160	168	136
9	371	366	348	363	312	262	230	231	246	255	189	219	173	172	196	189	204	199	168	158	149	139	123	118
10	304	262	269	217	206	164	175	165	173	149	161	117	118	131	125	106	110	78	78	75	77	55	56	65
11	194	201	172	168	141	141	123	145	105	112	87	90	106	94	72	74	49	43	48	50	41	44	42	36
12	159	125	117	118	121	102	119	86	89	72	68	58	81	60	53	35	30	34	36	27	35	33	22	25
13	110	102	103	103	91	101	68	77	66	56	50	65	45	49	34	35	29	33	20	35	25	17	23	15

Attendance by Grades—Girls.

Grade	1909	1908	1907	1906	1905	1904	1903	1902	1901	1900	1899	1898	1897	1896	1895	1894	1893	1892	1891	1890	1889	1888	1887	1886
K	109	98	101	105	101	85	111	104	83	90	119	120	113	98	70	23	...	...	...	...	...	...	...	...
1	765	739	760	744	740	762	776	755	722	733	763	775	733	693	672	636	634	600	554	548	534	497	484	425
2	608	704	674	702	700	667	662	615	633	646	666	601	562	534	492	468	457	451	434	369	328	351	334	325
3	674	694	666	642	669	636	697	599	624	597	577	527	485	469	449	415	392	416	372	351	336	307	293	270
4	659	616	640	645	636	607	557	588	582	549	560	499	457	498	421	417	413	381	363	368	330	355	296	262
5	580	623	614	610	562	567	557	585	539	562	525	441	456	423	407	418	356	341	330	300	306	269	243	233
6	580	588	604	526	562	554	563	521	535	469	428	442	411	390	371	355	317	320	306	304	267	230	207	240
7	564	579	500	493	483	514	504	491	425	375	384	388	371	370	310	320	279	287	243	227	219	178	208	199
8	501	434	412	472	495	465	416	376	323	349	339	292	308	266	254	221	275	227	224	217	183	195	164	162
9	388	405	441	434	378	368	314	282	296	266	264	276	238	222	205	209	231	205	218	171	186	148	152	127
10	333	335	315	306	283	239	198	210	199	200	202	177	174	176	138	155	136	146	130	110	96	107	85	72
11	278	251	238	242	203	191	173	166	166	156	148	143	124	122	133	103	111	82	93	77	69	57	62	64
12	201	193	195	177	160	149	156	149	138	127	121	118	103	107	88	95	64	81	57	60	42	49	50	44
13	175	184	163	142	142	128	128	134	116	117	100	90	98	80	89	59	83	52	62	36	38	49	35	42

Attendance and Promotions by Grades—Totals.

Grade	1909	1908	1907	1906	1905	1904	1903	1902	1901	1900	1899	1898	1897	1896	1895	1894	1893	1892	1891	1890	1889	1888	1887	1886
K	207	196	194	204	195	197	200	197	191	186	249	247	225	166	135	43	....	....	....	....	....	....	....	....
Entered	1222	1258	1210	1236	1174	1156	1168	1184	1092	1022	1016	1068	1044	1065	1094	998	1022	959	942	941	882	837	831	751
1	1595	1872	1532	1526	1531	1586	1661	1586	1651	1567	1607	1677	1544	1478	1446	1341	1360	1308	1260	1215	1201	1150	1144	1005
2	1404	1430	1384	1473	1456	1424	1349	1266	1322	1319	1303	1187	1111	1106	1043	984	921	998	938	822	758	781	730	681
3	1346	1349	1375	1352	1336	1279	1270	1232	1256	1227	1143	1074	1013	953	925	847	798	903	820	751	737	671	634	630
4	1307	1307	1337	1292	1274	1267	1182	1205	1174	1109	1141	1036	964	958	866	834	823	834	777	731	709	722	691	608
5	1249	1300	1239	1240	1189	1203	1155	1183	1096	1111	1024	950	882	851	821	824	733	748	714	639	654	617	567	545
6	1199	1131	1201	1109	1152	1114	1134	1021	1038	920	860	824	791	757	749	668	634	668	690	629	589	510	506	524
7	1122	1128	1022	1003	967	1003	964	932	826	756	732	723	694	719	611	590	573	624	516	465	458	399	448	418
8	950	865	831	872	917	851	687	616	641	610	553	576	483	452	458	445	440	460	417	372	355	332	298	
9	759	771	789	797	690	630	544	513	542	521	453	495	411	394	401	398	435	404	386	329	335	287	275	245
Graduated	719	742	725	640	606	512	484	497	497	434	468	382	368	370	374	389	398	370	296	318	281	243	221	197
10	637	597	584	523	489	403	373	375	372	349	363	294	292	307	263	261	246	224	208	185	173	162	141	137
11	472	452	410	410	344	332	296	311	271	268	235	233	230	216	205	177	160	125	141	127	110	101	104	100
12	360	318	312	295	281	251	275	235	227	199	189	176	184	167	141	130	94	115	93	87	77	82	72	69
13	285	285	266	245	233	241	196	211	182	173	160	155	143	129	123	94	112	85	82	71	63	66	58	57
Graduated	264	235	223	208	211	179	181	164	152	131	137	130	121	119	92	111	82	80	68	61	67	57	56	56

Promotions by Grades.

Number entered 1886-1893 is estimated.

Grade	1909	1908	1907	1906	1905	1904	1903	1902	1901	1900	1899	1898
1	1458	1249	1187	1279	1260	1251	1113	1138	1182	1164	1202	1102
2	1372	1169	1248	1242	1214	1148	1079	1145	1132	1140	1046	933
3	1287	1197	1110	1194	1101	1141	1043	1106	1077	1004	966	919
4	1270	1169	1112	1126	1104	1055	1065	1044	960	984	918	803
5	1221	1104	1129	1025	1066	999	1013	957	957	874	766	756
6	1146	1043	952	980	947	956	877	875	763	745	702	660
7	1060	863	803	800	855	738	738	644	621	616	584	571
8	810	724	777	770	679	627	566	520	544	531	477	492
9	750	708	715	616	592	508	470	475	492	418	461	358

TABLE B.—PROPORTION BETWEEN THE NUMBER ENTERING EACH CLASS AND ITS MEMBERSHIP IN SUBSEQUENT GRADES.

MEANS.

Year Begun.	1886	1887	1888	1889	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	1886 to 1895	1896 to 1909	1886 to 1909		
1	1.339	1.376	1.374	1.362	1.291	1.338	1.364	1.331	1.344	1.322	1.388	1.480	1.569	1.581	1.532	1.376	1.338	1.414	1.372	1.347	1.235	1.266	1.279	1.305	Grade 1	1.344	1.391	1.372	
2	.972	.941	.906	.932	.996	1.059	.960	.963	1.045	1.011	1.043	1.164	1.219	1.299	1.293	1.160	1.139	1.219	1.260	1.255	1.120	1.053	1.116	....	" 2	.978	1.180	1.092
3	.893	.887	.897	.930	.960	.847	.883	.905	.955	.927	1.008	1.095	1.149	1.236	1.214	1.163	1.080	1.144	1.170	1.171	1.091	1.112	....	....	" 3	.908	1.136	1.033
4	.944	.941	.928	.946	.875	.885	.903	.938	.966	.947	1.071	1.062	1.099	1.186	1.156	1.161	1.076	1.106	1.157	1.113	1.057	....	....	....	" 4	.927	1.159	1.024
5	.851	.859	.894	.831	.876	.871	.887	.863	.952	.936	1.008	1.050	1.107	1.137	1.177	1.089	1.047	1.061	1.125	1.065	....	....	....	....	" 5	.884	1.087	.984
6	.920	.828	.757	.757	.796	.804	.825	.806	.862	.841	.974	.978	1.061	1.097	1.126	1.016	1.014	1.037	1.037	....	....	....	....	....	" 6	.820	1.038	.917
7	.831	.690	.705	.661	.704	.726	.754	.716	.758	.755	.875	.924	.939	.952	.981	.936	.961	.960	....	....	....	....	....	....	" 7	.756	.942	.822
8	.726	.551	.540	.523	.612	.587	.636	.627	.617	.628	.705	.815	.859	.858	.813	.792	.802	....	....	....	....	....	....	....	" 8	.605	.807	.682
9	.531	.483	.471	.466	.526	.481	.543	.531	.514	.498	.591	.661	.746	.777	.754	.695	....	....	....	....	....	....	....	....	" 9	.504	.704	.579
*Pro.	.498	.445	.440	.433	.497	.461	.518	.485	.485	.468	.569	.614	.679	.518	.702	Pro.	.473	.659	.535
10	.350	.369	.349	.333	.386	.370	.388	.367	.374	.369	.459	.501	.546	.588	.621	" 10	.366	.543	.425
11	.288	.277	.278	.265	.279	.288	.324	.290	.333	.315	.385	.393	.423	.465	" 11	.294	.416	.329
12	.245	.212	.226	.226	.241	.249	.287	.246	.282	.270	.293	.305	.337	" 12	.248	.312	.261
13	.206	.180	.207	.209	.224	.208	.251	.228	.245	.243	.269	.273	" 13	.220	.271	.237
Grad.	.182	.158	.182	.186	.192	.190	.220	.203	.224	.215	.248	Grad.	.195	.248	.200

* Graduated from Ninth Grade.

11 years, 1894-1904, the entering class was 85.4 per cent. of mean of grades 1-5 inclusive.

PROPORTION BETWEEN GIRLS AND BOYS IN ATTENDANCE.

(Girls equal 100.) Figures are per cent. Boys.

MEANS.

Year Attend'g	1886	1887	1888	1889	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	1886 to 1897	1898 to 1909	1886 to 1909	
Kinder- garten.																												
1	137	136	135	125	122	127	118	114	87	93	70	99	106	109	107	133	89	80	132	93	94	92	100	92	Kinder- garten.	8	102	98
2	110	119	127	131	122	116	121	102	111	115	113	111	116	111	114	108	110	113	108	114	105	102	113	108	1	12	110	116
3	133	116	124	119	114	120	117	104	104	106	107	98	98	97	104	109	106	104	114	108	110	105	103	110	2	11	106	110
4	132	133	103	115	112	114	119	99	100	106	92	111	108	104	102	102	102	112	109	100	109	112	98	100	3	114	104	109
5	134	129	129	114	113	116	119	106	97	102	101	93	115	95	98	103	102	107	110	112	103	102	107	115	5	113	106	110
6	118	144	122	121	107	126	115	100	88	102	94	92	86	101	96	94	96	99	101	105	111	99	106	107	6	111	100	106
7	110	115	124	109	118	112	117	105	84	97	94	84	86	91	102	94	90	91	95	100	103	104	96	99	7	106	96	101
8	84	102	82	103	92	105	94	98	108	91	82	87	89	80	84	91	83	82	83	85	85	102	99	90	8	93	88	90
9	93	81	94	80	90	77	97	88	90	96	77	73	79	72	96	83	82	73	71	83	84	79	90	96	9	86	82	84
10	92	66	51	80	68	60	53	81	68	91	74	68	66	80	74	87	79	88	69	73	71	85	78	91	10	71	78	74
11	56	68	77	59	65	52	52	44	72	54	76	85	63	59	72	63	87	71	74	69	69	72	80	70	11	63	71	67
12	57	44	67	83	45	63	42	47	37	60	56	79	49	56	57	64	58	76	68	76	67	59	65	79	12	57	65	61
13	36	66	35	66	97	32	63	35	59	38	61	46	72	50	47	57	57	53	79	64	73	63	55	61	13	53	61	57

TABLE 1. SUMMARY OF DATA FOR THE YEAR 1964

Station	Depth (m)	Temperature (°C)	Salinity	Density (σ _t)	Speed of Sound (m/s)	Refractive Index (n _d)	Attenuation (dB/km)
1	0	15.5	35.2	1.0245	1495	1.343	0.0001
1	10	15.2	35.2	1.0245	1495	1.343	0.0001
1	20	14.8	35.2	1.0245	1495	1.343	0.0001
1	30	14.5	35.2	1.0245	1495	1.343	0.0001
1	40	14.2	35.2	1.0245	1495	1.343	0.0001
1	50	14.0	35.2	1.0245	1495	1.343	0.0001
1	60	13.8	35.2	1.0245	1495	1.343	0.0001
1	70	13.6	35.2	1.0245	1495	1.343	0.0001
1	80	13.5	35.2	1.0245	1495	1.343	0.0001
1	90	13.4	35.2	1.0245	1495	1.343	0.0001
1	100	13.3	35.2	1.0245	1495	1.343	0.0001

TABLE 2. SUMMARY OF DATA FOR THE YEAR 1965

Station	Depth (m)	Temperature (°C)	Salinity	Density (σ _t)	Speed of Sound (m/s)	Refractive Index (n _d)	Attenuation (dB/km)
1	0	16.0	35.3	1.0246	1495	1.343	0.0001
1	10	15.8	35.3	1.0246	1495	1.343	0.0001
1	20	15.5	35.3	1.0246	1495	1.343	0.0001
1	30	15.2	35.3	1.0246	1495	1.343	0.0001
1	40	15.0	35.3	1.0246	1495	1.343	0.0001
1	50	14.8	35.3	1.0246	1495	1.343	0.0001
1	60	14.6	35.3	1.0246	1495	1.343	0.0001
1	70	14.4	35.3	1.0246	1495	1.343	0.0001
1	80	14.2	35.3	1.0246	1495	1.343	0.0001
1	90	14.0	35.3	1.0246	1495	1.343	0.0001
1	100	13.8	35.3	1.0246	1495	1.343	0.0001

TABLE C.—DECREASE OF MEMBERSHIP.

Proportion between number entering each year and the membership of the same class in succeeding grades:—

MEANS ONLY.

	1886 to 1895.	1896 to 1909.	1886 to 1909.
Grade 1.....	1.344	1.391	1.372
“ 2.....	.978	1.180	1.092
“ 3.....	.908	1.136	1.033
“ 4.....	.927	1.159	1.024
“ 5.....	.884	1.087	.984
“ 6.....	.820	1.038	.917
“ 7.....	.736	.942	.822
“ 8.....	.605	.807	.682
“ 9.....	.504	.704	.579
“ 10.....	.366	.543	.425
“ 11.....	.294	.416	.329
“ 12.....	.248	.312	.261
“ 13.....	.220	.271	.237
Grammar Graduates.....	.473	.659	.535
High Graduates.....	.195	.248	.200

RATIO OF THE SEXES.

Comparison of girls and boys in attendance in several grades. These figures give the per cent. which the boys bear to the girls:—

MEANS.

	1886 to 1897.	1898 to 1909.	1886 to 1909.
Kindergarten.....	87%	102%	98%
Grade 1.....	122	110	116
“ 2.....	115	106	110
“ 3.....	114	104	109
“ 4.....	111	105	108
“ 5.....	113	106	110
“ 6.....	111	100	106
“ 7.....	106	96	101
“ 8.....	93	88	90
“ 9.....	86	82	84
“ 10.....	71	78	74
“ 11.....	63	71	67
“ 12.....	57	65	61
“ 13.....	53	61	57

TABLE D.—DIAGRAM.

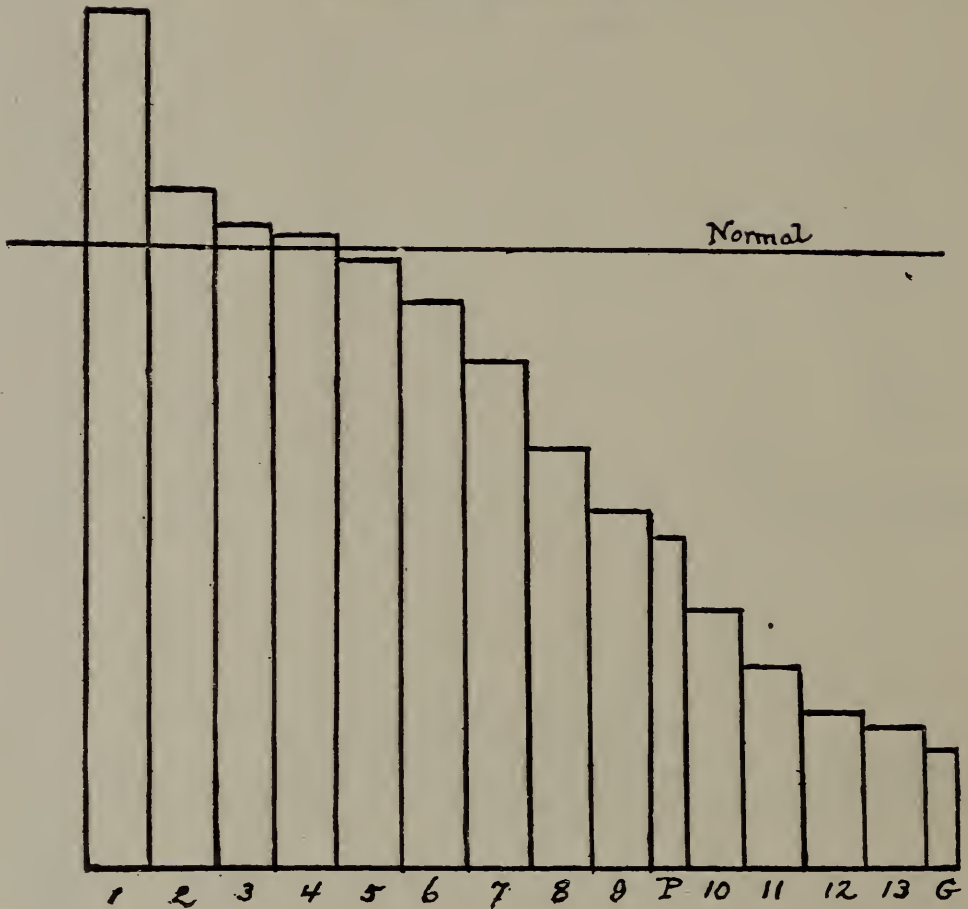


Diagram showing ratio between membership and number entering. The normal line represents the number entering. The diagram is the mean result of years 1886-1909.

SCHOOL DEPARTMENT.

TABLE E.—DISTRIBUTION OF PUPILS BY AGES, OCTOBER 1, 1909.

GRADE.	AGE.																			Total.	Above Normal Age.	Percent. Above Normal Age.	
	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19							
1.....	29	999	368	89	18	8	3	3	1	4	.....	.....	.....	.....	.....	.....	.....	.....	.....	1,522	37	2.4
2.....	27	722	423	132	38	10	3	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1,365	51	3.8	
3.....	27	563	441	198	60	20	8	4	1	.....	.....	.....	.....	.....	.....	.....	.....	1,322	93	7.0	
4.....	39	495	396	228	83	36	14	3	1	.....	.....	.....	.....	.....	.....	.....	1,295	137	10.5	
5.....	2	44	430	356	214	122	52	12	2	.....	1	.....	.....	.....	.....	.....	.....	1,235	67	5.4	
6.....	1	50	380	365	222	122	36	7	.....	.....	.....	.....	.....	.....	.....	1,183	165	14.0	
7.....	3	59	342	333	239	107	30	7	.....	.....	.....	.....	.....	.....	1,120	144	12.9	
8.....	2	44	322	337	198	82	13	2	.....	.....	.....	.....	.....	1,001	98	9.8	
9.....	36	246	232	161	42	6	1	.....	.....	.....	.....	728	49	6.7	
Total.	29	1,026	1,119	1,158	1,517	1,049	956	986	1,010	978	579	281	63	8	1	1	1	1	1	10,761	841	7.8	
Under Normal grade.....
Per cent. under Normal grade.....	1.2	4.4	7.6	11.0	9.6	16.0	25.7	42.7	100	100	100	100	100	100	100	841	.....	.....

TABLE F.—Distribution of Pupils, 14 but Not 15, October 1, 1909.

	NUMBER OF GRADE												Total
	2	3	4	5	6	7	8	9	10	11	12	13	
Latin	79	20	1	..	100
English	144	40	2	..	186
Prescott.....	5	7	9	13	..	..	..	..	34
Hanscom.....	2	1	..	..	..	..	..	..	..	3
Davis.....
Bennett.....	1	2	..	..	..	..	..	..	..	..	3
Baxter.....
Knapp.....	3	11	24	22	..	..	..	..	60
Perry.....	1	..	..	..	..	..	..	..	..	1
Pope.....	1	2	13	14	12	..	..	..	..	42
Bell.....	2	2	6	14	19	..	..	..	..	43
Cummings...
Edgerly	6	22	23	..	..	..	..	51
Glines.....	1	1	7	12	7	..	..	..	..	28
Forster.....	1	15	23	..	..	..	..	39
Bingham.....	5	9	8	18	..	..	..	..	40
Carr.....	..	1	..	..	14	13	16	13	..	..	..	..	57
Morse.....	1	1	1	12	27	17	..	..	..	..	59
Proctor	1	..	..	..	..	..	..	..	1
Durell.....
Burns.....	2	..	..	..	..	..	..	2
Brown.....	6	8	12	..	..	..	..	26
Highland....	6	12	33	..	..	..	..	51
Hodgkins....	1	2	1	8	17	20	..	..	..	..	49
Lincoln.....
Lowe.....
Total by grades		1	3	12	36	107	198	232	223	60	3		875
P. C. by “		.001	.003	.014	.041	.122	.226	.265	.255	.068	.003		.998

TABLE G.—A COURSE IN MANUAL TRAINING
FOR SIXTH AND SEVENTH GRADES AND ITS AIM.

A definite course of graded models is herein outlined to be followed generally. The purpose of this course is to supply additional hand work, to train the pupil in the use of tools, to develop power of observation, habit of orderly procedure and precision, and the ability to do the thing undertaken. While these are general aims, a particular aim is to arouse and develop the creative power of the child. To this end he may be encouraged to make other models suggested by this course, while he is held to the careful doing of whatever herein is undertaken.

TOOLS.

The tools to be used may be classified in two groups: (a) for the teacher, (b) for the pupil.

Group A.

Pencil.
Rule.
Try square.
Knife.
Back saw.

Block plane.
Hammer.
Bench hook.
Oil stone.
Oil can.

Group B.

Pencil.
Rule.
Try square.
Knife.
Hammer (3 to each set).

The knife to be furnished by the pupil and to be in the nature of a strong jackknife.

For use in connection with these sets a suitable number of pencil compasses will be placed in each building.

Each building will have one permanent set (a), while set (b) will be transferred as called for by schedule.

STOCK SHEET.

(Seventh Grade.)

The material for the present year will be given partly prepared, as the opportunity for getting out such stock in the schoolroom is very limited.

Model.	Kind and Size.	Stock.	Size.
1. Plant stick.....	1-2 in.	white pine	12 in. x 3-4 in.
2. Penholder	1-2 in.	" "	7 in. x 5-8 in.
3. Crumb knife.....	1-4 in.	gum wood	12 in. x 1 7-8 in.
4. Peggy	7-8 in.	whitewood	4 in. x 1 in.
5. Peggy bat.....	3-8 in.	"	16 in. x 1 3-4 in.
6. Windmill	1-2 in.	gum wood	13 in. x 3-4 in.
"	1-2 in.	" "	10 in. x 5-8 in.
7. Crumb tray.....	1-3 in.	" "	8 1-2 in. x 5 1-4 in.
"	1-8 in.	" "	7 1-2 in. x 2 in.
"	1-4 in.	" "	18 in. x 1 1-2 in.
8. Bracket	3-16 in.	basswood	board form
9. Envelope rack.....	5-16 in.	white pine	9 11-16 in. x 3 5-16 in.
"	5-16 in.	" "	12 1-2 in. x 2 1-2 in.
"	5-16 in.	" "	9 3-4 in. x 5 1-4 in.

STOCK SHEET.

(Sixth Grade.)

The material for the present year will be given partly prepared, as the opportunity for getting out such stock in the schoolroom is very limited.

Model.	Stock.	Size.
1. Ruler	3-16 in. basswood	12 in. x 1 1-4 in.
2. Key tag.....	3-16 in. "	3 1-2 in. x 1 3-8 in.
3. Seed label.....	3-8 in. white pine	5 1-16 in. x 1 1-2 in.
4. Key rack.....	3-8 in. whitewood	7 in. x 2 in.
5. Calendar board.....	1-4 in. gum wood	3 1-4 in. x 3 in.
6. Yarn winder.....	1-8 in. cherry	4 in. x 2 1-2 in.
7. Door button.....	7-8 in. white pine	3 1-2 in. x 1 3-4 in.
8. Paper knife.....	1-2 in. " "	7 1-2 in. x 5-8 in.
9. Stamp box.....	5-8 in. " "	2 1-2 in. x 1 1-8 in.
"	1-8 in. " "	6 in. x 3-4 in.
"	1-8 in. " "	2 1-2 in. x 1 3-8 in.

TABLE H.—Number of Books in Use in the City, December, 1909.

SCHOOL.	Arithmetics.	Geographies.	Dictionaries.	Histories.	Language.	Music.	Spellers.	Physiology.	Reading Books.	Miscellaneous.	Charts and Maps.	Total.
Prescott . .	515	475	358	308	468	776	642	95	2,941	593	42	7,213
Hanscom . .	228	180	107	50	204	502	348	30	1,574	498	13	3,734
Davis. . .	101	105	51	0	50	200	156	31	891	117	8	1,710
Bennett . .	375	173	56	17	182	521	272	57	1,862	186	7	3,708
Baxter . .	209	124	111	25	103	253	269	28	1,516	28	11	2,677
Knapp . .	985	603	435	588	611	917	638	181	2,564	1,433	61	9,016
Perry . . .	142	193	101	48	150	361	292	32	1,168	189	18	2,694
Pope . . .	587	408	390	395	447	724	541	163	2,460	875	33	7,023
Bell . . .	476	400	383	291	452	607	497	149	1,386	161	23	4,825
Cummings .	225	73	2	0	46	190	150	31	982	214	6	1,919
Edgerly . .	830	328	402	379	563	866	683	217	3,513	433	14	8,228
Glines . .	448	475	368	281	409	807	633	85	1,713	551	19	5,789
Forster . .	1,177	643	550	556	679	1,189	853	128	4,957	548	50	11,330
Bingham . .	663	392	401	242	505	873	712	125	1,825	843	50	6,631
Carr . . .	699	638	506	416	572	915	831	109	3,484	263	38	8,471
Morse . . .	913	526	403	504	483	1,043	822	203	3,312	1,070	31	9,310
Proctor . .	269	158	169	85	279	462	458	25	2,188	157	8	4,258
Durell . . .	170	0	4	0	46	207	150	29	923	312	7	1,848
Burns . . .	505	110	146	143	209	537	362	36	2,113	729	19	4,909
Brown . . .	401	263	256	161	305	575	481	125	1,812	201	23	4,603
Highland .	890	519	602	396	650	872	637	75	2,276	1,425	34	8,376
Hodgkins .	652	548	477	391	540	880	695	153	3,046	243	36	7,661
Lincoln . .	2	29	2	0	1	174	193	4	1,501	261	0	2,167
Lowe . . .	51	109	7	0	51	362	289	28	1,379	332	2	2,610
Total . . .	11,513	7,472	6,287	5,276	8,005	14,813	11,604	2,139	51,386	11,662	533	130,710

	English.	French.	German.	Latin.	History and Civics.	Greek.	Mathematics.	Science.	Commercial.	Elocution.	Miscellaneous	Total.
Latin . . .	1,982	966	1,151	1,968	765	500	756	202	....	....	422	8,712
English . .	3,725	2,969	1,091	1,176	2,500	....	1,366	882	1,112	1,073	1,149	17,043
Total .. .	5,707	3,935	2,242	3,144	3,265	500	2,122	1,084	1,112	1,073	1,571	25,755

TABLE I.—Somerville High School Athletic Association.

Treasurer's Report.

JULY 1, 1908, to JUNE 30, 1909.

Harry L. Jones, Treasurer.

Receipts.		Expenses.	
Balance	\$110.18	Football	\$1,793.19
Football	2,598.04	Hockey	47.64
Baseball	390.99	Basket ball.....	167.01
Basket ball.....	53.30	Baseball	1,017.45
	<u> </u>	Treasurer	100.00
	\$3,152.51		<u> </u>
			\$3,125.29
		Balance June 30, 1909.	27.22

Treasurer's Report.

1909.

Receipts.		Expenses.	
Balance	\$27.22	Football:—	
Football	4,801.23	Supplies	\$806.17
Membership, 1908-1909....	85.50	Manager's expenses....	16.89
	<u> </u>	Coaching	375.00
	\$4,913.95	Field	178.64
		Labor at field.....	135.73
		(Secret practice and games, etc.)	
		Telephone	34.23
		Printing	83.42
		Traveling expenses....	45.85
		Advertising	10.10
		Medical attendance and supplies	88.64
		League dues.....	10.00
		Express	4.20
		Postage	30.82
		Miscellaneous expenses,	5.00
		Treasurer's expenses...	84.95
			<u> </u>
			\$1,909.64
		Balance December 31, 1909.....	\$3,004.31

MONEY EXPENDED AT BROADWAY FIELD BY THE SOMERVILLE HIGH SCHOOL ATHLETIC ASSOCIATION FOR STANDS, LABOR, MATERIAL, ETC.

1904.		1905.	
*Stands	\$1,000.00	*Stands	\$452.53
Labor	17.52	Labor	30.00
Insurance	30.00	Insurance	30.00
Settees	15.50	Settees	15.00
Numbering stands	15.90	Numbering stands	19.85
Signs	13.15	Signs	13.80
Miscellaneous expenses..	9.00	Miscellaneous expenses..	11.00
	\$1,101.07		\$572.18
1906.		1907.	
*Stands	\$421.95	*Maintenance of field....	\$143.80
Labor	79.50	Labor	30.00
Insurance	30.00	Insurance	30.00
Numbering stands.....	14.10	Numbering stands.....	18.73
Settees	5.00	Signs	6.85
Signs	9.50		\$229.43
	\$560.05		
1908.		1909.	
*Maintenance of field....	\$132.00	*Maintenance of field....	\$171.40
Labor	79.25	*Labor, Everett and R. M.	
Numbering stands.....	20.20	T. S.	180.20
Signs	1.30	Extra labor, secret prac-	
Miscellaneous expenses..	2.50	tice for games, etc....	135.73
	\$235.25	Numbering seats.....	21.60
		Signs	7.70
		Settees	6.00
		Miscellaneous expenses..	8.00
			\$530.63
1904		\$1,101.07	
1905		572.18	
1906		560.05	
1907		229.43	
1908		235.25	
1909		530.63	
		\$3,228.61	

FOOTBALL STATISTICS, SEASON OF 1909, 12 GAMES.

Attendance	24,497
Gross receipts	\$11,346.10
Police	\$443.00
Field	245.00
Officials	410.00
Printing	151.50
Supplies	128.75
Miscellaneous expenses.....	364.27
Visiting teams, receipts and expenses.....	4,802.35
Somerville's receipts.....	4,801.23
	\$11,346.10

*Paid City of Somerville.

**TABLE J.—Amendments to the Rules of the School Committee.
MADE SINCE THE PRINTING OF THE LAST ANNUAL REPORT.**

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.

PUBLIC LIBRARY.

BOARD OF TRUSTEES AND OFFICERS

OF THE SOMERVILLE PUBLIC LIBRARY, YEAR ENDING DECEMBER 31, 1909.

Trustees.

EDWARD C. BOOTH, M. D.	THOMAS M. DURELL, M. D.
JOHN B. VIALI.	WILLIAM L. BARBER.
J. FRANK WELLINGTON.	REV. CHARLES L. NOYES, D. D.
FREDERICK W. PARKER.	FREDERICK W. HAMILTON, D. D.
WILLIAM H. BURGESS.	

Officers.

EDWARD C. BOOTH, M. D.	. . . . .	President
SAM WALTER FOSS	. . . . .	Secretary

Committees.

Building and Grounds — Viall, Wellington, and Noyes.
Administration — Wellington, Parker, and Durell.
Books and Catalogues—Booth, Viall, Noyes, Durell, Barber, and Hamilton.
Finance — Parker, Barber, and Burgess.

Librarian.

SAM WALTER FOSS.

Assistant Librarian.

FLORENCE D. HURTER.

Cataloguer.

ESTHER M. MAYHEW.

Assistant Cataloguer.

EDITH B. HAYES.

Children's Librarian.

ANNA L. STONE.

School Librarian.

MARY S. WOODMAN.

Reference and Art Librarian.

MABEL E. BUNKER.

Assistants.

BESSIE L. DUDDY.
ALICE W. SEARS.
FLORENCE M. BARBER.

A. MYRTLE MERRILL.
RUBY G. WHITE.
LOUISE THIERY.

Attendants.

CECIL M. BARLOW.
WILLIAM E. BAGSTER.

EDGAR L. KAULA.
HARRY BENSON.

Janitor.

CHARLES A. SOUTHWICK.

WEST SOMERVILLE BRANCH.

Branch Librarian.

NELLIE M. WHIPPLE.

Assistants.

ETHEL M. NUTE.
BESSIE S. COBB.
ANNIE M. CURRIE.

Attendant.

RONALD MOORE.

Janitor.

JOHN J. KILTY.

PUBLIC LIBRARY ACCOUNT.

Receipts and Expenditures for 1909.

CREDIT.	
Appropriation	\$16,000 00
Dog tax	3,796 11
West Somerville Branch	19 92
Somerville Y. M. C. A.	2 21
Fines, etc.	768 50
Total	\$20,586 74

DEBIT.	
Books and periodicals	\$6,809 35
Binding	1,631 84
Cards	105 00
Printing	608 40
Stationery	70 42
Salaries	9,959 24
Agencies	587 55
Express	315 34
Postage	39 00
Telephone	42 71
Supplies	107 35
Binders	78 40
A. L. A. membership	5 00
Repairs	27 95
Insurance	67 50
Disbursements	35 00
Sundries	60 48
Stereographs	16 86
Ice	19 35
Total	\$20,586 74

West Somerville Branch.

CREDIT.	
Appropriation	\$2,500 00
Fines, etc.	133 27
Total	\$2,633 27

DEBIT.	
Books and periodicals	\$1,354 62
Binding	214 91
Cards	19 43
Printing	16 90
Stationery	24 54
Salaries	855 52
Express	35 30
Telephone	14 23
Supplies	37 32
Binders	53 50
Ice	5 00
Frame	2 00
Total	\$2,633 27

Isaac Pitman Art Fund.

CREDIT.

Balance from 1908	\$115 62
Interest July 31, American Telephone & Telegraph Co. . .	80 00
Interest December 31, American Telephone & Telegraph Co.	80 00
Interest accruing on deposits December 31	20 40
Total	<u>\$296 02</u>

DEBIT.

Books and pictures purchased in 1909	\$168 75
Balance carried to 1910	127 27
Total	<u>\$296 02</u>

Isaac Pitman Poetry Fund.

CREDIT.

Balance from 1908	\$44 29
Interest July 31, American Telephone & Telegraph Co. . .	20 00
Interest December 31, American Telephone & Telegraph Co.	20 00
Interest accruing on deposits December 31	5 10
Total	<u>\$89 39</u>

DEBIT.

Books purchased in 1909	\$55 13
Balance carried to 1910	34 26
Total	<u>\$89 39</u>

Frances A. Wilder Fund.

CREDIT.

Interest accruing on deposit of \$100	\$4 40
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REPORT OF THE TRUSTEES.

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

Gentlemen,—The thirty-seventh annual report of the trustees of the public library is herewith respectfully submitted.

The report of the librarian is grouped with this more general and 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 are in a healthy condition, and the institution is enjoying in an enviable degree the confidence and good will of the people of Somerville.

The year has been a uniformly prosperous one, and has been unusually marked by the completion and opening of the West Somerville branch library building, which was mentioned as being in course of erection at the time of our last report.

Although three flourishing agencies at the northwesterly part of the city have been discontinued in consequence of the establishment of the branch, the new institution has enabled the library to offer its opportunities more effectively to the people at large, and to those of West Somerville, in particular, as is shown by the considerable increase in the circulation.

The circulation of the three agencies,—the West Somerville, the Teele-square, and the Highland,—was 23,477 books for the six months of 1908 corresponding to the six months of 1909, in which the new branch circulated 54,534. The natural increase in business which these three agencies would have shown, had they been continued and the branch not built, is partly offset by a deduction which should be made in the figures of the Highland agency, which drew probably from one-quarter to one-half of its borrowers from territory that the branch draws little or nothing from. Therefore it is safe to say that the circulation of books in the West Somerville district is considerably more than doubled by the establishment of the new library.

The cataloguing department has been crowded with business during the year, as it has done the same character of work in preparing for circulation the books of the branch as it has done for the main library.

The children's department at the main library has naturally been somewhat less attended since the establishment of the branch, but with the children's work done at the latter institution, the results have exceeded those of any year since the establishment of the department.

The bills for binding have been increasing so alarmingly in the last few years, with the increase in circulation, that it is with satisfaction that we can report a substantial reduction in this item. This reduction has been brought about by the setting up of a simple and inexpensive binding plant within the library building, which has been efficiently operated by one of our assistants, Miss Sears. The origin and work of the new feature are fully described in the librarian's report. By this arrangement we have been able at moderate cost to utilize many books previously used for circulating-library purposes, and thus come nearer supplying the great demand of our readers for recent fiction. For the modern, up-to-date metropolitan library, from the nature of its patrons and the character of its business, which is confined almost exclusively to fiction, is particularly sensitive to the waning popularity of the season's novels, and proceeds early to unload its surplus copies, whereas the vogue of the new novel is much longer at a public library.

The branch library was opened to the public on May 27, in charge of a branch librarian, Miss Nellie M. Whipple, and two assistants, on a schedule of fifty-two hours per week,—the hours being from one to nine o'clock P. M. on five secular days of the week, and from nine o'clock A. M. to nine o'clock P. M. on Saturday. From the beginning the new branch has been patronized beyond the expectations of the most sanguine. The circulation on a more than 100,000 basis is larger than that of the parent library when Mr. Hayes became librarian in 1893.

It is a matter of congratulation to the trustees that a recent inventory taken of the 6,000 and odd books at the branch disclosed the loss of only six, and this while the public has had at all times free access to the shelves.

An investigation into the geographical distribution of the patrons of the new branch and the characteristics of the territory tributary to it may prove of interest. In regard to the location of the city's libraries, it may be remarked that the central library is situated on a main avenue between the city hall and the two high school buildings, nearly in the geographical centre of the city, which at this point is upwards of a mile and three-quarters in width. The West Somerville branch building is situated a mile and a half northwesterly from the main library on the line of the city's long axis, near the business centre of West Somerville, somewhat beyond a point where the city narrows to a width of less than three-quarters of a mile and continues for seven-eighths of a mile at substantially the same width. This district is succeeded by a strip of land near the debouching of Alewife brook into the Mystic river, now to a considerable extent under improvement as a part of the park system of Greater Boston,—a little more than half a mile long and a little less than a quarter of a mile wide, soon to be partly available for residential purposes, but as yet hardly built upon.

The entire region tributary to the branch is a comparatively new one, and is occupied by a fairly homogeneous community of enterprising people. It was not without good library privilege before the establishment of the branch, as there were then three agencies in the district,—the West Somerville agency near the new branch; the Teele-square agency near the half-mile circle on the northwesterly side; and the Highland agency, also on the half-mile circle to the southeast, in the general direction of the main library. A circle drawn around the branch as a centre, with a radius of a quarter of a mile, comes close to the Cambridge line. The half-mile circle cuts into Medford on the northeast, embracing eight acres of that city's territory, and on the southwest extends into Cambridge some 600 feet westerly of Massachusetts avenue, and returns to Somerville nearly a mile from where it entered, encircling ninety-seven acres of that city's lands. The area of a circle of a quarter-mile radius is 125 acres. The greater part of this is thickly settled, probably as much so as it will be for a long time to come. The population is upwards of 4,075 on a basis of four persons to a household. The patrons of the branch within this area number approximately 1,480, 864 being new card holders, who had never used the main library, and 615 who had been borrowers at the main library, but wished to avail themselves of the privileges of the branch when it was opened. The area contained between the quarter and the half-mile circle is 377 acres, 271 of which are within Somerville territory. The population of this area by a similar estimation to the above is 8,700. It contains a park of four and a half acres and about fifty-nine acres of Tufts College grounds. Some twenty-five acres of this last tract is now being opened for settlement, about one-half of it being already built upon. Otherwise this larger circular area is nearly as thickly settled as the smaller. The number of borrowers living within it is approximately 1,815, of whom 991 are new card holders and 824 who have likewise been card holders at the main library. Beyond the half-mile circle, towards the main library, the number of borrowers at the branch shades off rapidly. Eight hundred and forty-nine patronize the branch who live nearer to the branch than to the main library, but the larger number of these come from the north end of the city.

After passing a point midway between the two libraries towards the main library, but 210 have taken out cards at the branch. There are no noticeable barren spaces within a half-mile of the branch where there are no library patrons, and every one of the 100 streets within this limit has its borrowers. One observation that can be drawn from these researches is that the patrons of a public library decrease in number in proportion to the distance that they are called upon to travel for library privileges,—a very natural conclusion, confirming previ-

ous experience, and showing that, were it not for the cost, branches could advantageously be established in other parts of the city. Undoubtedly the publicity connected with the establishment of the branch brought to many for the first time a knowledge of where our libraries are located, but it is feared that many people in the city are still uninformed of the location or even of the existence of such institutions in the community.

Before dismissing this subject, we would say that we believe that it would be profitable to extend these investigations to the remaining parts of the city, as time permits, until finally the relationship or non-relationship to the library of every household in the city is recorded.

In regard to the appropriations to be asked of your honorable body for the coming year, we believe that the requirements of the main library will be \$18,000 and the usual dog tax, and of the branch \$5,000. This is slightly more than has been granted hitherto, but an insufficient number of books have been purchased for the main library for several years past, and in each department there is a call for a little greater expenditure, as its work enlarges with the growth of the city. The branch has been carried on for the first seven months of its existence at the rate of \$1,285 per annum. Salaries will be somewhat increased, as was adverted to last year, and an extra attendant needed at the present time will soon become necessary, on account of the unexpectedly large business which has developed since the inauguration of the branch.

We are again glad to bear witness to the faithfulness and efficiency of our librarian, Mr. Foss, and the staff in both libraries, and we also wish to record our appreciation of the services of the branch librarian, Miss Whipple, who for the last year has enthusiastically devoted herself, regardless of hours, to the opening and management of the new institution.

Respectfully submitted for the board of trustees,

EDWARD C. BOOTH.

President.

December 28, 1909.

REPORT OF THE LIBRARIAN.

To the Trustees of the Somerville Public Library:—

I herewith submit the librarian's thirty-seventh 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, Miss Esther M. Mayhew, cataloguer, has had an unusually busy year. In addition to the regular work ordinarily done, much extra labor was involved in cataloguing nearly 7,000 books for the branch library. These books were acquired by the branch library by transference from the central library and by direct purchase. In either case, considerable work was necessitated for the cataloguing department. The shelf list for the branch library was prepared by Miss Duddy. There are probably more than 15,000 cards in the main catalogue at the central library. All the cataloguing work of the branch will continue to be done at the central library.

Below are given the general statistics of this department:—

Books Added.	
Accession number January 1, 1909	99,197
“ “ “ “ 1910	108,105
Total number added during 1909:—	
Main library	7,502
Branch “	1,406
	8,908
Total	8,908
Books new to library	4,023
Duplicates	4,885
Total number withdrawn	17,682
Total number in library:—	
Main library	83,543
Branch “	6,880
	90,423
Total	90,423

Books Withdrawn.	
Books worn out	798
“ lost in schools	66
“ “ by general readers	257
“ “ in agencies	184
“ burned per order Board of Health	60
	1,365
Total number of books withdrawn	1,365

Total number of books withdrawn to January 1, 1909	16,317
“ “ “ “ “ “ during 1909	1,365
Total	<u>17,682</u>

7,469 catalogue cards have been purchased from the Library of Congress during 1909.

Binding.

	Main.	Branch.	Total.
Volumes re-bound	2,751	360	3,111
Periodicals	243		243
Paper-covered books	253	35	288
Repaired	40	1	41
	<u>3,287</u>	<u>396</u>	<u>3,683</u>

The Children's Department.

The children's department, Miss Anna L. Stone, librarian, has during the year had a circulation of 60,839 fiction and 14,841 other works, making a total of 75,680. It may be interesting to know that of the "other works" circulated General Works were 1,628; Philosophy, 25; Religion, 376; Sociology, 2,543; Philology, 200; Natural Science, 984; Useful Arts, 508; Fine Arts, 1,167; Literature, 2,092; Travel, History, and Biography, 5,318.

The children's department of the public library does a work for the community whose value it is difficult to over-estimate. The work is not performed under the most favorable conditions. The room is damp, and perhaps sometimes unwholesome in the summer season, and is poorly heated in the winter. There is, under present conditions, no adequate way of ventilating it. The children themselves are uncomplaining patrons, but criticism on the part of adults is not infrequent. The often-repeated recommendation that an entrance to the children's room be made directly from the outside, if carried into effect, would do much to abate the noise in the general reading room caused by the passage of large numbers of children up and down the stairs.

The School Department.

The school department, Mary S. Woodman, librarian, is an agency that brings the public library into direct contact with the public school. Libraries usually consisting of about forty books are now sent to 165 schoolrooms of the city. This practically means 165 distributing agencies for the circulation of public library books, and enables the library to reach hundreds of families that would not otherwise be reached.

Below are the statistics of this department for the year:—

Books in library	8,274
Increase during year	773
Libraries out	165
Libraries delivered	171
Volumes out	6,819
Volumes delivered	7,698
Circulation during year:—	
Fiction	51,240
Non-fiction	67,224
Total	<u>118,464</u>

Reference and Art Department.

The reference and art department, under the supervision of Miss Mabel E. Bunker, has accomplished its usual amount of work during the year.

Below is given the monthly attendance for the year:—

January	1,018
February	986
March	896
April	718
May	679
June	610
July	410
August	343
September	567
October	771
November	1,065
December	668
Total	<u>8,731</u>
Number of registered visitors to the Art Room	215
“ “ “ “ “ “ Americana Room	105
Total	<u>320</u>

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	9,993
Number of volumes withdrawn for the West Somerville branch	26
Increase of volumes during the year	314

During the year there have been seventeen art exhibitions, as follows:—

- Norway, No. 1, Bergen, Hardanger Fjord, and Lognfjord.
- Walter Crane, No. 1, Pictures for Children, Art for the Nursery.
- Rise of Sculpture, No. 1.
- Rise of Sculpture, No. 2.
- Fourteen Famous Pictures.
- Greece, No. 3.

City of Rouen.
 Views of New England Scenery.
 Famous Pictures, No. 3.
 Amesbury, Mass.
 Audubon Bird Plates.
 Millet (drawings reproduced).
 Granada and the Alhambra.
 Photograph of Boston Parks and Metropolitan Parks of Massachusetts (our collection).
 The Song of Hiawatha.
 Etchings of William Unger, No. 2, of Dutch and Flemish Schools.
 Boydell's Illustrations of Shakespeare, Part 1.

Some of the books purchased during the year for this department:—

Buckley, Hoppin & Churchill, ed., (The) Fine Arts, 2v.
 Bunce and Owen, Nature's Aid to Design.
 Cutter, W. R., comp., Historic Homes and Places and Genealogical Memoirs Relating to the Families of Middlesex County, Mass., 4v.
 Cyclopedia of Automobile Engineering, 4v.
 Cyclopedia of Building Trades, 6v.
 Cyclopedia of Civil Engineering, 8v.
 Cyclopedia of Heating, Plumbing, and Sanitation, 4v.
 East, Alfred, Landscape Painting.
 Hind, C. L., Augustus Saint-Gaudens.
 Klassiker der Kunst-Memling.
 Knowlton and Ridgway, Birds of the World.
 McSpadden, J. Walker, Famous Painters of America.
 Meister der Farbe, 1908.
 (The) Old Masters, 100 Examples in Color, 2v.
 Rhead, G. Woolliscroft, Studies in Plant Form.
 Schriever and Cummings, ed., Complete Self-Instructing Library of Practical Photography, 8v.
 Standard Library of Natural History, 5v.
 Stearns, Whitcher, and Parker, ed., Genealogical and Family History of the State of New Hampshire, 4v.
 Williams, H. S., History of the Art of Writing, 4v.

The need of more room in the reference department becomes increasingly apparent each year. Whether it is possible to secure this room by any alteration in the building, by the removal of partitions, or by increased height of shelving, is a matter to be determined after consultation with a building expert.

Binding.

During the past year more than usual attention has been given to the subject of binding. It has been felt for a long time that a more expert knowledge of the details of binding—the knowledge of leathers, sewing, joints, tapes, etc.—should be possessed by some member of the library staff in order to deal with the matter intelligently. Librarians have learned by many exasperating experiences that a book may be outwardly beautiful, but yet be very flimsily bound, and fall to pieces after a few readings. Expert knowledge is necessary in a library in

order to detect this flimsy work. Accordingly Miss Alice W. Sears, of the staff, volunteered to make a study of this subject. She spent a week in one bindery, learning the principal details of the work. She has spent several days, also, at two other binderies, has visited the bindery of the Boston public library, and has tried in every way to thoroughly inform herself in regard to the work. As a result of her experience, she has established a bindery department in the library. A press, a sewing frame, cloth, thread end-papers, and other paraphernalia of a bindery have been purchased, and she has set about the actual work of repairing books. Since April, when she first began the work, she has repaired 3,366 books. The reduction in binding bills for the year, largely in consequence of her work, in the library has really been astonishing.

In 1908 our entire binding bills amounted to \$3,680.53. In 1909 our entire bills amounted to \$1,832.13, a saving of \$1,848.40, or about fifty per cent. This is a remarkable evidence of the utility of her work.

Miss Sears has also instructed Miss Cobb, of the branch library, in the details of the work, and repairing of similar nature is now carried on at the branch.

Agencies.

Since the closing of the three agencies at West Somerville the library has been in a condition to supply the demands of the remaining agencies. The South Somerville agency does not circulate any books from a shelf supply. But for Union square and East Somerville, where shelf supplies are kept, many more of the new books than ever before have been purchased. Miss Florence M. Barber, who has charge of the agencies, visits them regularly, reports their needs, and recommends the purchase of books. The work at the agencies, as far as can be learned, has given better satisfaction the present year than ever before.

In the natural course of evolution, a prosperous agency ought in time to develop into a reading room, and the reading room eventually develop into a branch. There is already a considerable public demand for reading rooms both at Union square and at East Somerville.

Below is a table of circulation of the different agencies during the year:—

Agencies.	Teele Square.	West Somerville.	East Somerville.	South Somerville.	Union Square.	Highland.
January	252	230	7	192	6	3
Shelves	1,080	1,595	738		436	963
February	250	272	9	189	5	2
Shelves	1,100	1,579	876		473	1,099
March	280	402	26	228	10	6
Shelves	1,417	1,949	1,000		579	578
April	198	278	3	146	6	Closed Mar. 9, '09
Shelves	1,078		820		485	
May	201	255	4	162	7	
Shelves	974		809		417	
June	149	70	2	216	13	
Shelves	601		959		374	
July	Closed	26	2	183	16	
Shelves	June 19, '09		679		433	
August		56	7	206	13	
Shelves			818		455	
September		47	6	127	2	
Shelves			774		381	
October		52	3	161	5	
Shelves			803		409	
November		87	2	201	10	
Shelves			1,099		566	
December		38	8	145	6	
Shelves			796		388	
Totals	7,580	6,936	10,255	2,156	5,495	2,651
Grand Total						35,073

General Work.

The general work of the library, under the supervision of Miss Florence D. Hurter, shows a slight decrease, due to the opening of the branch library in West Somerville.

The general circulation figures of the year are as follows:—

	Fiction.	Other Works.	Total.
January	27,438	13,033	40,471
February	28,388	13,554	41,942
March	36,260	16,956	53,216
April	25,597	12,831	38,428
May	24,006	12,513	36,519
June	23,926	9,808	33,734
July	15,914	3,286	19,200
August	17,675	3,746	21,421
September	14,165	4,382	18,547
October	19,269	9,551	28,820
November	27,093	14,922	42,015
December	21,528	11,624	33,152
Total	281,259	126,206	407,465

Below is given our shelf circulation figures (books delivered from library shelves):—

	Fiction.	Other Works.	Total.
January	16,057	5,677	21,734
February	16,050	5,790	21,840
March	21,333	7,640	28,973
April	15,913	5,257	21,170
May	14,613	4,773	19,386
June	15,615	4,512	20,127
July	13,718	3,056	16,774
August	14,576	3,440	18,016
September	10,940	3,187	14,127
October	12,099	4,171	16,270
November	17,083	5,822	22,905
December	13,172	3,977	17,149
Total	181,169	57,302	238,471

Below is given our circulation by classes, exclusive of fiction:—

General works	7,992
Philosophy	1,499
Religion	8,584
Sociology	20,248
Philology	1,633
Natural science	13,682
Useful arts	5,426
Fine arts	7,837
Literature	15,688
History	28,776
Total of general delivery	111,365
Delivered from children's room	14,841
Total of other works	126,206
Fiction	281,259
Other works	126,206
Total	407,465
Percentage, fiction	69.03%
Percentage, other works	30.97%

Below is the statistical statement of the general work of the year:—

Accession number			108,105
	Main.	Branch.	Total.
Volumes in library	83,543	6,880	90,423
“ added	7,502	1,406	8,908
“ discarded	1,350	15	1,365
Total circulation	407,465	62,381	469,846
Shelf “	238,471	62,381	300,852
Children’s room circulation	75,680	19,539	95,219
Cards issued	7,016	2,532	9,548
Delivered from Teele Square agency		*1,330	
“ “ “ “ shelves		6,250	
“ “ West Somerville agency		†1,813	
“ “ “ “ shelves		5,123	
“ “ East Somerville agency		79	
“ “ “ “ shelves		10,176	
“ “ South Somerville agency		145	
“ “ Union Square agency		6	
“ “ “ “ shelves		388	
“ “ Highland agency		\$11	
“ “ “ “ shelves		2,640	
“ “ Knapp school		1,522	
Volumes delivered to school libraries		7,698	
Volumes delivered to Sunday schools, clubs, hospitals, etc.		1,209	
Visitors in reference room		8,731	
Received, fines	\$868	29	
“ books	93	86	
“ telephone	7	24	
Total	\$969	39	
By sundry expenses	\$200	89	
“ cash to City Treasurer	768	50	
Total	\$969	39	

*Closed June 19, 1909.

†Books taken April, 1909.

§Closed March 9, 1909.

Below is given the circulation figures of main library and West Somerville branch:—

Fiction:—

Main library	281,259
West Somerville branch	50,808
Total	332,067

Other works:—

Main library	126,206
West Somerville branch	11,573
Total	137,779

Fiction	332,067
Other works	137,779
Total	469,846

Percentage, fiction	70.68%
Percentage, other works	29.32%

Circulation of three agencies in 1908, during the months in which they were closed in 1909:—

Highland agency, March-December	9,354
Teele Square agency, June-December	8,879
West Somerville agency, April-June	6,136
Total	<hr/> 24,369

This amount, added to our total circulation for the year, 407,465, makes a total of 431,834. Last year our total circulation was 448,224. So the net loss of circulation in the general library, due to the opening of the branch, is 16,390.

During the year 472 vacation cards were issued, on which 2,796 books were taken out, 2,434 being fiction and 362 other works. Thirty-seven sets of stereographs are now owned by the library. The circulation of these sets during the year amounted to 1,462.

The following Sunday schools take books from the library: Bow-street Methodist, Flint-street Methodist, Highland Congregational, Prospect-hill Congregational, Second Advent, Second Unitarian, West Somerville Baptist, Winter-hill Congregational, and the Winter-hill Universalist.

Books are also sent to the Somerville Boys' Club, Somerville Y. M. C. A., Somerville hospital, Home for the Aged, and the police station. There were 1,209 books sent to the various Sunday schools, clubs, etc., of which 1,042 were fiction and 167 other works.

The 1915 Exhibit.

The Somerville library, together with the Boston library, the Cambridge library, the Atheneum, and the State library, installed an exhibit at the Boston 1915 exposition. This exhibit, like most of the exhibits at that exposition, consisted largely of photographs. The Somerville photographs were arranged to show the progressive growth of the library, and consisted of interior and exterior views. The West Somerville Carnegie branch library was represented by a group of photographs showing all the rooms of the building and several exterior views.

The library has received the following donations of books, pamphlets, and periodicals during the past year:—

List of Donations.

	Vols.	Pamph.	Periods.
Adams, Charles F.	2		
Allen, George W.		1	
American School of Metaphysics	1		
American Sports Publishing Co.	1		
Amherst College	1		
Benton, Josiah H.		2	
Booth, Edward C., M. D.		1	25
Boston Transit Commission	2		
British and Foreign Unitarian Association	1		
Cambridge Bridge Commission	1		
Carrick, Samuel P.	2		
Casson, Herbert N.	1		
Charities Publishing Com.		1	
Choates, Joseph H.	1		
Civil Service Commission	1		
Collins Memorial Committee	1		
Cutler, S. Newton	4		
Dana, John Cotton		1	
Dartmouth College	1		
Densmore, Emmet, M. D.	2		
Dexter, Mrs. E. Alline Osgood (Music)	167		
Emerson, Francis P., M. D.		1	
Emerson, Gilbert D.		1	
Farnsworth, Edward C.	2		
Fifth Maine Regiment	1		
Free Religious Association		1	
Foss, Sam Walter	4		
Fryer, Thomas T.	1		
Green, S. W.		1	
Green, Samuel S.		1	
Greene, John M., D. D.	2		
Harvard University	1		
Haseltine, M. W.		1	
Hunnewell, James F.	1		
Jeffers, LeRoy	1		
Kaan, Frances W.	1		
Lake Mohonk Conference	1		
Lee, Thomas Z.	1		
Library Bureau	1		
Loring, George F.	7		
Massachusetts	37	2	
Massachusetts Historical Society		1	
Massachusetts Institute Technology	2		
Merchants Association of New York		2	
Metropolitan Water Board	1		
Middlebury, Vermont, College		1	
Middlesex County	1		
Miller, Leslie W.	1		
Moody, J. H.		1	
Moon, James H.	1		
Municipal Ownership Publishing Bureau	1		
National Civic Federation		1	
Carried forward	257	20	25

LIST OF DONATIONS.—Concluded.

	Vols.	Pamph.	Periods.
Brought forward	257	20	25
N. E. Anti-Vivisection Society		1	
New Zealand	2		
Ohio State University	1		
Ohio Wesleyan University	1		
Pearson, R. A.	1		
Perkins Institution for the Blind		3	
Publicity Commission, North Adams	1		
Public Libraries		95	
Rawson, Frederick W.	1		
Raymond, George Lansing	9		
Rowland, Dunbar	2		
Sanborn, Mrs. Carrie A.	1		
Smithsonian Institution	4	4	
Somerville, Mass.	2		
Stickney, Rufus	21	2	
Stimson, John W.	1		
Sturgis, R. C.	1		
Towle Manufacturing Co.	1		
Tufts College	1		
Tufts, Martha B.		47	
Underhill, Charles L.	96	45	
Union Steamship Co.		1	
Union University, Albany	1		
United States	14		
U. S. Brewers' Association	2		
Valentine, H. E.	1	1	36
Varilla, P—B.	1		
Webster, Miss E. S.	26	49	9
Whitaker, George E.	1		
Woods, Hon. John M.	10		
Totals	459	268	70

West Somerville Carnegie Branch Library.

On the evening of May 26 the West Somerville Carnegie branch library was dedicated, with appropriate ceremonies.

Addresses were given by his Honor Mayor John M. Woods and John F. Foster, through whose efforts the gift of \$25,000, which made the building possible, was secured from Andrew Carnegie.

A short address by Walter T. Littlefield, commissioner of public buildings, was made, in which he tendered the keys of the building to the library trustees. Owing to the unavoidable absence of the president, the keys were accepted by William L. Barber, of the board of trustees, with an appropriate speech of

acceptance. Dr. Horace G. Wadlin, the librarian of the Boston public library, gave the formal address of the evening, an effort of unusual fitness and power. All the addresses given on this occasion will be found in full in an appendix to this report.

From the beginning the West Somerville branch has been a success. An unexpected amount of business has been done, a business that, considering the number of books contained in the library, has been really phenomenal. Miss Nellie M. Whipple, a member of the general library staff, was appointed librarian of the branch library, and the success of the institution has been due in no small degree to her organizing ability, her tact and courtesy, and the hard and persistent effort she has put into the work.

Below is given in detail the statistics of the work accomplished:—

	Fiction.	Other Works.	Total.
June	7,897	2,017	9,914
July	6,973	1,395	8,368
August	7,469	1,457	8,926
September	6,495	1,315	7,810
October	6,938	1,655	8,593
November	8,738	2,185	10,923
December	6,298	1,549	7,847
	50,808	11,573	62,381

Below is given circulation by classes, exclusive of fiction:—

General works	2,586
Philosophy	276
Religion	198
Sociology	369
Philology	10
Natural science	327
Useful arts	453
Fine arts	816
Literature	1,067
History	1,443
Total of general delivery	7,545
Delivered from children's room	4,028
Total of other works	11,573
Fiction	50,808
Other works	11,573
Total	62,381
Percentage, fiction	81.44%
Percentage, other works	18.56%

The branch library has received the following donations of books during the past year:—

	Vols.
Bailey, Robert M.	9
Brewster, C. A.	5
Bryant, Mrs. G. W.	23
Clough, G. M.	14
Dickson, John L.	6
Hunnewell, Miss Alice	1
Little, Brown & Co.	2
Morse, L. T.	6
Somerville, Mass.	1
Wyorke, G. H.	1
Total	68

Conclusion.

The year 1909, on the whole, has been a successful and prosperous one with the library. The increase in circulation has not been as large as it would have been if two of the West Somerville agencies had not been closed early in the year, in anticipation of the opening of the branch library. With the opening of this branch, a large permanent increase in the amount of business done may be confidently expected.

I wish to express my thanks to the staff and to all the members of your board for hearty help and co-operation.

Respectfully submitted,

SAM WALTER FOSS,
Librarian.

December 28, 1909.

DEDICATORY EXERCISES

AT THE

CARNEGIE WEST SOMERVILLE BRANCH LIBRARY

May 26, 1909.

INTRODUCTORY.

The most interesting and important event of the year has been the establishment of a branch library at West Somerville. An increase of library accommodations at West Somerville had been considered and urged by the trustees for many years, but the city government felt that the financial condition of the city would not warrant any considerable expenditure for the purpose. In the report of 1906 the trustees recommended that a reading room be fitted up with books and magazines and placed in charge of an assistant, and this temporary expedient would undoubtedly have been adopted, had not the problem been solved in an unexpected way. The citizens of West Somerville had long wished to have a special building erected for this purpose, but the subject was first publicly discussed at a meeting of the West Somerville board of trade on September 10, 1906, when a committee, consisting of Howard D. Moore and Winsor L. Snow, was appointed to arrange for a public meeting in the following month in furtherance of this object. This public meeting was held on October 25. It was largely attended, much interest and enthusiasm were manifested, and the prevailing opinion was for a building to be erected on the Lincoln schoolhouse lot. It was voted "that it is the unanimous sense of the community that we should have a branch library properly housed in West Somerville," and a committee of three citizens was appointed to co-operate with the committee of the board of trade and "continue the efforts to secure favorable action by the city government towards locating a branch library in West Somerville."

On the evening of the meeting of the board of trade on September 10, previously mentioned, there was some informal talk as to the advisability of asking Andrew Carnegie to give a library building. This idea did not meet with the approval of the majority, but John F. Foster was led to believe that a happy solution of the problem lay in securing the aid of Mr. Carnegie, and quietly, and on his own responsibility, began to work along these lines. He had a talk with R. A. Franks, a financial agent of Mr. Carnegie. This he followed up with a letter to Mr. Franks on March 14, 1907, in which he refers to a sentiment prevailing in West Somerville in favor of asking Mr. Carnegie

to make a gift to the city of Somerville of a branch library building, in consequence of the apparent improbability of securing an appropriation for the purpose from the city, and asks that the usual application papers for such a request be sent to him. After an exhaustive inquiry into the existing library facilities of the city and the supposed needs of the West Somerville district, Mr. Bertram, private secretary of Mr. Carnegie, writes on April 9 that, "if the city agrees by resolution of council to maintain a branch library at a cost of not less than \$2,500 a year, being additional to the gross amount now spent on the central library, and procures a suitable site for the branch building, Mr. Carnegie will be glad to give \$25,000 for the erection of a branch library building for the city of Somerville." The offer was submitted to the city council at their meeting of April 25, and was referred by them to the finance committee. At the suggestion of the mayor, the city solicitor was requested to draw a suitable resolution meeting the requirements of Mr. Carnegie, and not taking from the trustees of the library the control of their department. Further questions having arisen, it was ascertained that it was Mr. Carnegie's intention that permanent fixtures, such as shelving, stacks, and delivery desk, should be purchased from the gift. No restrictions were imposed by Mr. Carnegie regarding the choice of architect or the style of the structure.

After a conference with the trustees, a public hearing, thorough discussion, long deliberation, and a reiteration of the sentiment of the community of West Somerville, as expressed at a public meeting held on June 12, the offer of Mr. Carnegie was formally accepted by the city council, and its action approved by the mayor on October 29. In this order of acceptance the mayor was authorized to promise, in behalf of the city government, the annual appropriation required by the terms of the gift. Mayor Grimmons, having satisfied Mr. Franks that a fitting site had been selected, that the land was free of liens, and that the city was ready to begin building, called to his aid an advisory committee, consisting of E. S. Sparrow, L. E. Merry, Rev. J. V. Garton, J. F. Foster, and James Davis, prominent citizens of West Somerville, and W. T. Littlefield, commissioner of public works, and Dr. E. C. Booth, president of the board of trustees of the public library, and proceeded immediately to the task in hand. At the first meeting of the mayor and the advisory board on January 14, 1908, it was decided to invite an open competition of architects for a design for the building. The second meeting, on March 17, was held for the purpose of inspecting the thirty-five plans submitted. On March 19 the mayor formally invited the trustees of the library and the librarian to express their opinions on the plans, through their president. At the third meeting, on April 28, the members of the committee handed in their choice

of the best five plans in the order of their preference. At the fourth meeting, on October 8, it was decided to place the words "Public Library" on the lintel over the front door. The mayor selected the plan drawn by McLean & Wright, architects of Boston, which was generally admitted to embrace the best features exteriorly and interiorly, and at the same time could be carried out within the amount of the gift. The building contract was awarded to Charles H. Belledue, and ground was first broken on July 9. The building having been completed and the furniture installed, in accordance with the wishes of the trustees, the library building was dedicated with appropriate exercises on May 26, 1909, and formally turned over to the control of the trustees of the public library. The building was placed in the centre of the spacious lot on College avenue, formerly occupied by the Lincoln schoolhouse, and faces south-easterly. From the front stairway hall of this beautiful and commodious building stairs rise on the one side to a spacious auditorium, with stage and ante-rooms, and descend on the other to a well-lighted basement. From the vestibule we enter the library proper—a hall, with reading room on one side for adults, on the other for children, occupying the front part of the wings. In this hall space the delivery desk is so placed as to command the two side rooms and the radiating stacks in the rear. The total width of the building is seventy-one feet, and the depth sixty-seven feet.

Photographs of the interior and exterior of the building will be found elsewhere in this report, and an account of the dedicatory exercises is herewith appended:—

ADDRESS OF WALTER T. LITTLEFIELD, COMMISSIONER OF PUBLIC BUILDINGS.

"Mr. Mayor, Guests, Ladies and Gentlemen: About one year ago the first step was taken towards the erection of the beautiful building in the dedication of which you are taking part this evening. It has been my duty to exercise a general supervision over the construction work, and I desire to state publicly at this time my appreciation of the advice and counsel which has been given me by the members of the advisory committee and all others connected with its erection. I also wish to state that my official relations with the architects, contractors, and all concerned have been most pleasant, and that this building has been completed without friction or controversy. I hold in my hands, Mr. Mayor, the keys to this building, and as commissioner of public buildings of this city I now pass them to you as the city's chief executive."

ADDRESS OF HIS HONOR, MAYOR JOHN M. WOODS.

“In dedicating this library, I believe the thought and purpose that was in the mind and heart of the generous donor, Andrew Carnegie, and as well of Mr. Foster and all who have assisted or contributed towards the erection and completion of this building, was that this should be the home and dwelling place of intellectual culture in its highest and best sense.

“Intellectual culture is an essential element in the life of a people. This building we now dedicate is to be the abiding place, the home of this idea, the temple where these ideas are to be enthroned, and the people are to revere them. In these services we wish to obtain true conceptions of the nature of intellectual culture. We hope to be convicted of our privilege, duty, and responsibility, and at the same time have some glorious conceptions of life, and also to kindle aspirations that will always burn.

“This building is to have a vital connection with the life of this people. In it these ideas are to have local habitation and a prominence they have hitherto not possessed.

“I wish to speak of intellectual life. And first, what is intellectual life? It is thoughtful life; the individual thinks, and what is it to think? This is not an idle, listless frame of mind. It is not to seize the myths of the hour and accept them as truth. It is not to take floating rumors and mischievous gossip as fact, whether coming from mercenary publishers or the shallow brains of those who love, feed, and live on sensation. Thought is nothing of this; but it is in the individual putting himself to the severest task, the hardest, toughest kind of work, and holding himself to it, with no let-up till the work is done. The body, the physical being is wondrous. Its functions to the one who thinks are an enchanting, rapturous study. But the mind, the intellect, is infinitely more so. The very process of coming to know is wonderfully amazing. How, by the holding of the attention steadily to a subject, the subject will become clear to the individual's perceptions. He has learned it. He knows it, and his very being is thrilled with the consciousness of an acquisition, and, more than this, he feels the pulsation of a larger, a higher life. He addresses himself to another subject with a larger hope, a firmer purpose, and more assured anticipations of the luxury he is to experience. For to have once tasted the luxury of real thought is to have found something that nothing could buy and upon which the individual will set no price. To really think is to enter the unseen, the glorious, the infinite world of truth. It is to feel the consciousness of personal power. It is to come to know something of what a world one's own personality is, and the wondrous things faithful thinking can find.

“This structure is one that all must contemplate with pride,

and which must impress the passing stranger with a deep conviction that here is an intelligent and public-spirited people. It stands a symbol of simple elegance and chaste beauty. The power of such a building over a population cannot be estimated too highly in calling out and maturing the simple, gentle, lovely graces of character; and when it is remembered that it stands for the intellectual spirit, its power is increased a thousand fold. It is not a place for entertainment and pleasure, further than high thinking is entertainment, and lofty ideas, noble purposes, and earnest seekings for the best in thought and life are a pleasure.

“In setting this building apart as a public library, an institution is opened that proffers great privileges to the present and coming generations. There is a responsibility for the improvement of these privileges. This is an educational institution. Here the people are to learn to read, and this means very much. Here they are to learn to think, which means much more. Here they are to seek truth, and learn to be true. Here they are to gather up the experience of past ages and from that become wiser than any preceding generation. Here they are to find the best companionship in the thought of the best and loveliest spirits, embalmed in the literature of the past and the present; and they should take these companions with them into all their living.

“The intellectual life takes everything on to a higher plane. It ennobles everything, whether it be of a public or private nature. This spirit quickens the life of the neighborhood. It tidies up the surroundings of each habitation, takes care that streets and public ways are in good condition, that vitiating influences are suppressed, and that there shall be everywhere a deepening sense of self-respect. The more thorough the intellectual spirit of a community, the more truth-loving will be that community. An ardent passion for the exact sciences, for the truth in history, for the truth in morals will lead to exactness in life and a strict subjection to the laws of God. Let the pure, intellectual spirit control the life, completely possess it, and that life will be truthful. He who is studying for the exact truth will not yield himself to the dominion of error. The people completely possessed of the intellectual spirit will be truthful.

“The intellectual spirit is peaceful; it has no delight in the blare of trumpets, the clangor of martial hosts, and the gory plains of battle. To truly enthrone the intellectual spirit is to introduce an era of peace in the fullest sense.

“This spirit exalts the home; it loves its sacred seclusion, it brings its best and lays it on the altar of home, it imparts and it receives. Home is not true to its ideals without this spirit. This is its crown. This spirit purifies and ennobles life. To be truly intellectual is to be above the sensual and sordid.

It does not love to loiter at rich banquets, to make the markets a constant study, to have continually in mind the rise and fall of stocks. It is not supremely devoted to material ends, but to the acquisition of wisdom, understanding.

"The intellectual spirit is light-producing; darkness flees before it. It is light in one's own being, light in human society. As an age is possessed of this spirit, it is an age of light; as the intellectual leads in the onward movement of society, it is a powerful headlight making distant pathways plain.

"The spirit is hopeful and alluring. Hopeful, for the more it is exercised, the more of power is felt; the more of wealth it reveals. It ever allures to something higher and better, and that yields more satisfaction. It is ever giving the thoughtful, earnest mind glimpses of the great world of fact and visions of the glories of the great temple of truth. The higher it rises, the more overpowering are its visions of glory. This spirit draws to itself the noblest and the best. It should be noticed that, to understand the thought of others, we must first possess the intellectual spirit. We must first have felt the throb of that life in our own and enter into and know that life. To know and enjoy a book we must enter into the labors of the author; we cannot fully understand it until we have toiled in it and upon it after the manner that he toiled. This becomes enchanting labor when for once the individual realizes his duty and privilege and gives himself to it. This is not a labor in a dark mine, with small compensation, with uncongenial fellows, but it is toiling where the light is ever brightening and delightful views ever opening, and where there is none of the usual accompaniments of the dirt and the dust of toil, none of the sense of personal defilement by engaging in it, or of the degradation of servile labor, but it is through imperative duty, glorious privilege.

"I love to forecast the future and contemplate what of real life and true blessing this building and the library will be. I love to think of this day as an era. I love to think of the library shelves as gradually being filled with good books, history, biography, travels, literature, both poetry and prose, encyclopedias, popular treatises on science, fiction of the best kind, and everything that will enrich and ennoble human life."

ADDRESS OF MR. JOHN F. FOSTER.

Mayor Woods next called upon former Representative John F. Foster, through whose efforts the gift of the branch library building was received from Andrew Carnegie.

Mr. Foster delivered an informal address, in which he recounted the efforts, through a long series of years, of many prominent West Somerville citizens to obtain a reading room in their section of the city. The agitation for greater library accommodations has been carried on for a long time without any apparent results. It is a matter of great congratulation that

the hopes of the citizens of West Somerville, in the erection of this building, are now more than realized. Mr. Foster also spoke at some length upon the general subject of reading and education.

ADDRESS OF WILLIAM L. BARBER.

In the absence of Dr. Edward C. Booth, president of the board of trustees, who was detained by illness, William L. Barber, a member of the board, made the following address:—

“Your Honor: In behalf of the board of trustees of the Somerville public library, I assure you it is with great pleasure that they receive in charge this beautiful building and this most welcome addition to our public library service.

“I very much regret that the chairman of our board, Dr. Booth, is unable to be present to-night, and I know that no one is more disappointed at his enforced absence than he himself, as he has for a long time looked forward to this evening with pleasurable anticipation; and I know that he had something to say that would have been of great interest; but, unfortunately, he is confined to his house this evening by serious illness.

“The board of trustees has for a long time recognized the inadequacy of the library accommodations and facilities in this portion of our city. They have regretted that more of the privileges of our library system could not be more conveniently extended to the residents of West Somerville. They have recognized not only the great needs, but also the immediate necessity that some better methods should be provided in order that this large portion of our city, containing so large a number of our citizens, might enjoy those benefits to which they were so justly entitled.

“This desire on the part of the trustees can be clearly evidenced by referring to the reports of the board of trustees to the city government, which have been made from time to time during the last three or four years, and in which the needs of this particular portion of our city have been clearly set forth, and in which an additional appropriation has been requested in order that these additional benefits might be provided; but, unfortunately, the city government has been unable to make the appropriation for this purpose, and the trustees have been obliged to do the best they could with the means at their disposal, and under the agency system, a system never satisfactory when applied to so large a portion of a community as this.

“But now, fortunately, most opportunely, and providentially,—and I think that I may rightfully use that word, for certainly none of us a little more than a year ago would have for an instant dreamed that that which has actually come to pass could have been possible,—so I say providentially, this beautiful building has come to us, bringing great benefits, great advantages, and also what we believe will prove to be great blessings.

“The board of trustees are fully aware of the immense benefits which will accrue from the erection of this library in this portion of our city, and they will do all in their power to promote its growth and extend its usefulness.

“The trustees will, so far as it is possible with the means that shall be placed at their disposal by the city government for the support and maintenance of this building, aid in its good work and development, and they sincerely trust that the advantages and pleasure that will certainly result from its administration will afford not only satisfaction to yourself, your honor, and to the city at large, but especially so to the citizens of West Somerville, for whose particular benefit and convenience this building has been erected.”

**ADDRESS OF DR. HORACE G. WADLIN,
Librarian of the Boston Public Library.**

“I read not long ago the story of a visit by an American librarian to the Laurentian library in Florence, said to be the oldest library in the world. Near it are the splendid palaces of the old nobility. It is in the shadow of Brunelleschi’s dome and of Giotto’s Campanile. Its grand hall was designed by Michel Angelo, and is enriched by exquisite carving and beautiful windows, the work of unrivaled Florentine artists. It contains marvelous books, written by hand with patient labor before the age of printing; thousands of manuscripts, and, besides these, early printed volumes displaying the revival of interest in classic learning, in the dawn of the Renaissance. There are in the world no more beautiful specimens of the art of the illuminator or fairer types of the skill of the first printers than it contains, to say nothing of the intellectual value of its treasures,—manuscript editions of Dante and Petrarch, the earliest known text of Virgil, the original autograph manuscript of the poems of Michel Angelo himself. As a celebrated French writer, the Vicomte de Vogüé, has said, its librarian ‘has under his hand the precious collections of the Medici, beautiful ideas, sumptuously arrayed, texts and picture, manuscripts brought from the Orient, first editions of Italy, Greek books full of grace and wisdom, annotated and surcharged by the most powerful geniuses of the Renaissance.’

“This, I say, is the oldest library in the world. Merely to read of it stirs the imagination profoundly. It preserves in our day the atmosphere of the time of Lorenzo the Magnificent; and within its walls we seem, for the moment, transported to the age of the Medici. Beyond, in the sacristy of the Church of San Lorenzo, the princes of the line sleep silently. Their pomp and glory have departed, while almost unchanged through the centuries the library stands, in serene and solemn dignity, the representative of an alien world.

“Unless, by coincidence, some other may claim equal honor, we meet to-night to dedicate the newest library in the world, this branch in Somerville. Separated from the first by more than 400 years, it is no less widely separated by differences in aim and purpose. The one represents the aristocracy of art and letters, the other democracy, with wider opportunity and equal privilege. It is the difference between the fifteenth and the twentieth centuries.

“I need not speak of the turmoil into which we are now plunged by the growth of democracy, bringing its immense benefits and its tremendous responsibilities. No man within their influence fails to understand something, at least, of the conflicts which now threaten society, and which the twentieth century is to terminate either for good or ill; conflicts between poverty and wealth, between ignorance and culture, between privilege and restricted opportunity. Through them humanity, in pursuit of an ever-advancing ideal, is either to pass to a higher plane, by orderly progress under law, or is to suffer a violent overturn of all that has thus far been won.

“Nowhere are the lines more sharply drawn or the different elements more widely separated than in our growing towns and cities; and nowhere are unity of spirit and devotion to a common ideal more to be desired. We are trying to solve a problem more difficult than ever before proposed,—the unifying, in the bonds of a common citizenship, of large masses of people without a common lineage, a common mother tongue, or similar traditions and impulses. And for our success we are relying principally upon the influence of our various civic institutions and the power of an enlightened public opinion.

“The roots of the present are buried in the past, but civilization does not remain dormant. It unfolds and broadens under the power of the mysterious forces which promote its growth. It is well for us to clearly perceive their trend. It is not always easy to do this. The petty, the unimportant things are apt to engross us. But beneath these are the permanent forces, perhaps the one permanent force that makes for our national and civic welfare.

“Under its transforming power, men of good will are everywhere seeking, not merely in our country, but elsewhere, peace, brotherhood, and the widening of individual opportunity. The ideals of citizenship are slowly changing. The old barriers that kept men apart have been thrown down. The realization of a new ideal is seen in the movement for arbitration instead of war, in the curtailment of special privilege, in the broadening of the public schools, in the extension of municipal functions, in various forms of municipal ownership, the provision of parks and libraries, the improvement of tenement quarters in cities, and in the cultivation of beauty as an element in civic life. Thus society is ever moving in the

direction of broader communal activity; that is, towards the things we all of us may do for each other and for the general welfare. This throws a heavier responsibility upon citizenship. The things we are trying to accomplish by means of our votes and through our various civic activities are constantly becoming more complex and difficult.

"In the work to which we are committed, the public library is of great assistance, for in books are embodied the wisdom of the past, the aspirations of the present, and the hope for the future. Books are the tools and instruments of knowledge, and under modern conditions have an even more important place than in the past.

"I know that the beneficial influence of much reading has often been disputed, and that now as in the past there are those who distrust the power of the printed page. There are others who would hedge books about with a divinity, and thus prevent their general use. The aristocracy of letters, like other aristocracies, is disinclined to surrender its privilege to the many.

"But the fear of the book as a disturber of the peace is in itself a witness to the power of the book, if a good book, in the opposite direction. The use of good books promotes community of action and dissipates ignorance and prejudice, and the larger tolerance of the present as compared with the past is in no small part due to the influence of such books. Books thus become the connecting link between the historic past and the living present, between the world of thought and the world of deed. And their usefulness in this way is open to all through the medium of the public library.

"Professor Jevons once pointed out in an effective paragraph the wider opportunity which such a library affords. 'If a beautiful picture is hung in a private house,' he said, 'it may be gazed at by a few guests a score or two of times in the year. If it is hung in a public gallery it will be enjoyed by hundreds of thousands of persons whose glances, it need hardly be said, do not wear out the canvas. The same principle applies to books in common ownership. If a man possesses a library of a few thousand volumes, by far the greater part of them must be for years untouched upon the shelves; he cannot possibly use more than a fraction of the whole in any one year. But a public library of five or ten thousand volumes may be used a thousand times as much. It is a striking case of what I call the multiplication of utility.'

"The Laurentian library was and still is the possession of the few; the great nobles created it, and it represents an intellectual world from which the many were excluded. Its books were chained to the reading desks, and these still remain as types of mediaeval exclusiveness. But this branch, like your central library, like the public library of to-day everywhere, is

for all, that all may have an equal opportunity to share in the intellectual benefits which books confer.

“The public library is therefore in the highest degree representative of democratic thought and aspiration. It is in this way set apart from all other libraries. It is above all else a modern institution of an advanced type, instinct with life and movement. Its office is not merely to keep literature from perishing, although it should preserve with especial care the literary records of local history and of current events. But it is established chiefly to make books instruments of human welfare and a broader culture among the weaker folk, the men and women who make up the rank and file of our great industrial towns and cities. Not merely to pass on the torch from generation to generation, but to let its light shine here and now, illumining minds heretofore dark. This, above all other functions, is its prime duty, and in doing this it renders its highest service to the community.

“That the public library may be of the greatest possible usefulness, its agencies are multiplied. Its books are lent with as little formality as possible to the schools, and to other public institutions and to study classes. A central collection is no longer sufficient to meet the public need. Branches and delivery stations bring the books close to the reader and open them to wider public use. Each branch becomes an intellectual centre for its own district. The residents of the neighborhood may regard the branch as their special library. Here they may acquire the love of books as a source of innocent enjoyment, the help of books in the development of intellectual power and in the enrichment of life. Here, too, the children will soon know the custodian as counselor and friend. Here they will find, no doubt, a carefully-selected collection of such books as children love,—stories, travels, history, biography, and nature books. The advantages which a few exceptionally favored children now have at home, this branch will freely offer to all children. Some one has said that a great love of books is like a personal introduction to the great and good of all times. This personal introduction the public library through all its agencies aims to give to those who will accept its ministrations.

“Through such a branch as this, those who administer the library come into closer personal relations with those who use it than is otherwise possible. The librarian who is to have charge here will soon know you intimately. She will have opportunities to discover your personal needs in regard to books and to supply them.

“Through this multiplication of its agencies for distribution, the public library confers unquestioned benefits upon the individual citizen, but it does not exist primarily for the individual. Its only warrant for maintenance as a civic institution is that through the benefits received by the individual larger community benefits result.

“Its work with the children, its aid to the artisan and mechanic in enlarging their industrial efficiency, its benefits to the general reader who comes to it for relaxation from the activities of our sometimes too strenuous industrial and business life,—these finally broaden into social benefits, as those who use the opportunities it offers become better fitted to meet and mingle in their various civic relations.

“The idea still persists that, since the great libraries of the world, however useful, were principally used by scholars or literary folk, so the public library is mainly for the few. That was not the idea which inspired those who originated it. They intended by means of it to carry still farther our system of popular education.

“The public schools exist not for the benefit of the individual, but for the benefit of the community. From that point of view the sort of education given in them is to be considered. And as Dr. Richardson, the scholarly librarian of Princeton University, once put it, ‘A public library exists not for the benefit it will be to John Smith, but for the benefit the benefiting of John Smith will be to the community. It is because John Smith’s improvement is of value to the community as a whole that taxation is justifiable for the support of libraries, no less than for the schools.’ That, I am sure, is also the view of Mr. Carnegie in his gifts to these institutions.

“This conception of the purpose of such libraries helps in the solution of various problems of management. Take the question of the selection of books for your more or less incompletely-filled shelves. Shall demand be the guide? Shall the book asked for by the largest number be the one bought? Let us see. ‘If a book used by John Smith only will benefit the community more than another used by fifty or 100 persons, that book is the more suitable for purchase. For the value of a book to the community does not necessarily depend upon the number of persons who use it, but upon the net product of value growing out of the increased social efficiency of, it may be, the one person only who uses it.’ The value of the public library, therefore, as a civic institution depends upon the success with which it promotes, through all its agencies, ‘common honesty, common sentiment, common happiness, and common action.’

“You can only get the best out of it by using it. This youngest library in the world is meant for use. For that purpose it is established directly at your doors. It is the friendly hand of the greater institution on the hill yonder, reaching out for the especial welfare of this part of your city. Things not fully used, no matter how valuable, become to that extent merely a burden. There is an old New England phrase that designates the possessor of unused land, which is merely a source of expense for taxes without bringing in revenue, as ‘land poor.’ The equipment of such a library as this, if not

utilized, becomes of no more value than such unused land, and these books, if not read, might as well be burned, or chained up, as of old in that grand Laurentian library.

"Are you interested in any special subject?' Would you like to have a wider knowledge of the world's progress and history, or of the great changes that have occurred in scientific thought during the last fifty years? Or something about the growth of our great industries? Or perhaps something of the literature of your own trade or profession? Or become acquainted with at least a few of the great writers? This branch will contain something for you among these subjects. It is established and will be maintained to help you. If you want anything that it can furnish, ask for it. The custodian is here partly to respond to your queries. If you ask questions that she cannot immediately answer, which is possible, she will, no doubt, if given opportunity, find answers. If you want a book which is not here, no doubt it will be obtained for you upon request, or perhaps a better one substituted for it.

"Speaking of the influence of books in disseminating advanced ideas, Voltaire remarks: 'Twenty-volume folios will never cause a revolution. It is the little portable volumes . . . that are to be feared.' It is, I think, true that the little portable volumes are the ones to be loved. You have a great advantage in a library like this, since its books, like its building, are new. The collection, as it grows from day to day, need contain nothing that is not immediately useful in the world of the present. The foundations of the great libraries are often laid with great books, too ponderous to read, heavy literature in every sense. That repository of curious information, 'In a Club Corner,' recounts that the first books given to Dartmouth College were of this kind, old folios, some of them two feet long, eighteen inches wide, and six inches thick. 'An old librarian of the college has said that these old folios were never read. Those who affected to know more than their classmates took them out. One learned senior told him he always had three charged to him, one for a footstool, one for a cushion for his chair, and one for his water pail to rest on.'

"Here there is lacking the flavor of antiquity, and books will not be bought for hoarding behind glass cases, or for the beauty of their bindings. There is little of the sentiment that lingers within the walls of the old libraries, where through the ages studious men have walked, and pondered, and dreamed, written their poem, or essay, or sermon for the benefit of their fellows, lived their short lives, and passed away; old libraries, like the Laurentian, with its priceless treasures, or the Bodleian, the oldest library in England, where the sun streams through the high windows upon the dark old volumes of forgotten lore.

"'But there is one glory of the sun, and another glory of

the moon, and another glory of the stars, for one star differeth from another star in glory.' It is the proud distinction of this newest library that, without the beauty that is consecrated by time, without the treasures of art and literature that the world rightly counts among its dearest possessions, it nevertheless stands as an efficient agency in hastening the dawn of a new day. It possesses the glory of present service rather than that of past achievement. This branch would have never come into being except for the intellectual treasures which those older libraries contain; but its peculiar office is to turn into popular channels the life-giving stream that springs perennially from the ancient fountains.

"Contrasting these volumes in active use, few though they may be, and of little value as compared with the splendid collections of the great libraries or the beautifully-bound volumes of the private collector, I leave with you the hope that by using them you may have towards them something of the feeling that Dobson expresses as to the books in his own library:—

- "They dwell in the odour of camphor,
They stand in a Sheraton shrine,
They are "warranted early editions,"
Those worshipful tomes of mine;—
- "In their creamiest "Oxford vellum,"
In their redolent "crushed Levant,"
With their delicate watered linings,
They are jewels of price, I grant;—
- "Blind-tooled and morocco-jointed,
They have Zaehnsdorf's daintiest dress,
They are graceful, attenuate, polished,
But they gather the dust, no less;—
- "For the row that I prize is yonder,
Away on the unglazed shelves,
The bulged and bruised octavos,
The dear and the dumpy twelves,—
- "Montaigne with his sheepskin blistered,
And Howell the worse for wear,
And the worm-drilled Jesuits' Horace,
And the little old cropped Molière,
- "And the Burton I bought for a florin,
And the Rabelais foxed and flea'd,—
For the others I never have opened,
But those are the books I read.'"

BOARD OF HEALTH.

1909.

ALLEN F. CARPENTER, Chairman.
ZEBEDEE E. CLIFF.
ALBERT C. ALDRICH, M. D.

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.

JULIUS E. RICHARDSON (died October 12, 1909);
HERBERT E. BOWMAN (appointed December 6, 1909).

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, 1910. }

To His Honor, the Mayor, and the Board of Aldermen:—

Gentlemen,—We respectfully submit the following as the thirty-second 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, 1909:—

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 1909.

Bakery offensive	6
Barber shops	1
Cellar damp	14
Cesspool offensive	3
Cow barn offensive	11
Cows kept without license	4
Drainage defective	21
Drainage emptying into cellar	9
Drainage emptying on surface	13
Fish offal	3
Food exposed to dust	15
Goats kept without license	2
Hens in cellar	3
Hennery offensive	11
Hens without permit	14
Manure exposed and offensive	9
Manure pit defective	11
Offal on land	4
Offensive odor in and about dwellings	5
Pigs kept without license	2
Premises dirty	103
Privy-vault offensive	4
Rubbish in cellar	12
Slops thrown on surface	8
Stable infected with glanders	43
Stable and stable premises filthy and offensive	19
Stable without drainage	15
Stagnant water on surface	7
Water-closet defective	21
Water under stable	5
Total	403

Number of nuisances abated	403
Number of nuisances referred to board of 1909	14
Number of nuisances complained of	417
Number of complaints (many covering more than one nuisance)	348

In addition to the above, 392 dead animals have been removed from the public streets, and many nuisances have been abated on verbal notice from the agent, without action by the board, of which no record has been made. Each spring the whole city is examined, and cellars, yards, and alleyways where rubbish and filth have collected are required to be cleaned.

Glanders.—Forty-three cases of glanders have been reported during the year. Prompt action was taken in every case, and forty of the horses were killed, three being released from quarantine by order of the cattle commissioners.

Permits.

The record of permits to keep cows, swine, and hens, and to collect grease is as follows:—

Cows.—Thirty applications were received for permits to keep seventy-five cows. Twenty-seven permits to keep sixty-six cows were granted, and three permits were refused.

Swine.—Fifteen applications were received for permits to keep twenty-nine swine. Fourteen permits were granted to keep twenty-eight swine, and one permit was refused. The fee is one dollar for each swine.

Hens.—Sixty-three applications for permits to keep 1,144 hens were received. Forty-two permits to keep 709 hens were granted, and twenty-one permits were refused.

Grease.—Twelve applications were received for permits to collect grease, all of which were granted. The fee is two dollars. Four of the parties licensed reside in Somerville, two in Charlestown, two in Cambridge, three in Boston, and one in Chelsea.

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 thirty-eight certificates of registration were issued to hawkers and pedlers during the year under the provisions of ordinance number 27—a decrease of 134 from the year 1908. One hundred and forty-three 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 seventy men are employed, and the department owns and uses thirty-four horses, twenty ash carts, five paper wagons, and thirteen garbage wagons.

Ashes.—The ashes and non-combustible materials are deposited upon the city dumps at Winter Hill and West Somerville. The combustible materials are burned in the incinerator which was built last year near the city stables, except those materials which can be sold at a profit, such as clean paper, rags, and bottles.

During the year 48,506 loads of ashes and 3,300 loads of refuse material have been collected and disposed of.

Collections are made weekly, and the districts and days of collection are as follows:—

MONDAY, DISTRICT NO. 1.

Comprises the entire area extending easterly to the cities of Boston and Cambridge, from a line drawn across Somerville, commencing on Mystic avenue, and extending through Cross street, Central square, Medford street, Washington street, Prospect street, Webster avenue, Tremont street to the Cambridge line, and including collection on both sides of the above-named streets along the division line described.

TUESDAY, DISTRICT NO. 2.

Comprises the entire area extending westerly from the previously-described district number 1 to a line drawn across the city, commencing on Mystic avenue, and extending through Wheatland street, across Broadway, through Walnut street, and extending across Bow street and Somerville avenue, through Hawkins street, Washington street, Perry street, Wyatt street, Concord avenue, crossing Beacon street to the Cambridge line, and including collection on both sides of the above-named streets along the division line described.

WEDNESDAY, DISTRICT NO. 3.

Comprises the entire area extending westerly from the previously-described district number 2, to a line drawn across the city, commencing at the Medford boundary line at Main street, and extending easterly along said Main street, across Broadway, through Sycamore street, thence easterly on Highland avenue, through School street, thence westerly on Somerville avenue, through Dane street and Washington street to the Cambridge line, and including the collection on both sides of the above-named streets along the division line described.

THURSDAY, DISTRICT NO. 4.

Comprises the entire area extending westerly from the previously-described district number 3, to a line drawn across the city, commencing at the Medford line at Magoun square, and extending on Medford street to Lowell street, thence easterly on Somerville avenue and through Park street to the Cambridge line, and including the collection on both sides of the above-named streets along the division line described.

FRIDAY, DISTRICT NO. 5.

Comprises the entire area extending westerly from the previously-described district number 4, to a line drawn across the city, commencing on Broadway, and extending through Willow avenue to the Cambridge line, and including the collection on both sides of the above-named streets along the division line described.

SATURDAY, DISTRICT NO. 6.

Comprises the entire area extending westerly from Willow avenue to the Medford, Arlington, and Cambridge lines.

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 7,900 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.

Stables.

Under the provisions of sections 69 and 70 of chapter 102 of the revised laws of 1902, twenty-nine petitions for licenses to erect and use stables were received and disposed of as follows:—

Number granted	.	.	.	.	.	.	.	15
Number refused	.	.	.	.	.	.	.	14

Board of Infants.

Fourteen 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 988 deaths and sixty-four stillbirths in the city during the year, as specified in the following table, which shows an increase of deaths over the previous year of eighty-five.

Deaths at Somerville hospital during the year	60
Deaths at Cherry-street hospital	2
Deaths at hospital for contagious diseases	24
Deaths at home for aged poor (Highland avenue),	65
Deaths at City home	7

DEATHS BY AGES.

AGES.	Total.	Male.	Female.
Under one	169	93	76
One to two	29	19	10
Two to three.	18	11	7
Three to four	5	3	2
Four to five	9	6	3
Five to ten	20	11	9
Ten to fifteen	16	7	9
Fifteen to twenty	22	10	12
Twenty to thirty	52	31	21
Thirty to forty	72	29	43
Forty to fifty	73	31	42
Fifty to sixty	94	44	50
Sixty to seventy	145	59	86
Seventy to eighty	175	84	91
Eighty to ninety	75	29	46
Ninety and over	14	4	10
Total	988	471	517

Of the stillborn, 41 were males and 23 females.

Mortality in Somerville in 1909.

	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Total.
I. GENERAL DISEASES.													
<i>(A. Epidemic Diseases.)</i>													
Whooping cough		1	1									1	3
Scarlet fever	2	1	3	2		1							9
Diphtheria	4	4	3	2	1	2	2	3	2		1	3	27
Typhoid fever				1						4	2	1	8
Erysipelas	1												1
Dysentery	1		1					1					3
La grippe	1	4			1				1				8
Measles				1	1		1						3
<i>(B. Other General Diseases.)</i>													
Addison's Disease												1	1
Septicæmia		1	1			1						1	4
Rheumatism	2	2	1		1								6
Pernicious anæmia		1	2	1							1	1	6
Cancer of anus								2					2
Cancer of bladder			1					1					2
Cancer of breast	1	3	1		2	2	1		1		2	1	14
Cancer of ear	1												1
Cancer intestines		2	1	2	1	2		1		2	1	1	13
Cancer of leg		2											2
Cancer of lung		1				1							2
Cancer liver and kidneys	1		1	1			1	1	1	1		1	8
Cancer of stomach		2		2	1	1	1	1	1		2	2	13
Cancer of tongue												1	1
Cancer of jaw and throat				1							1		2
Cancer of uterus	1		2	3		3		2		1	2	3	17
Cancer of vulva			1								1		2
Hepatic cancer		1											1
Sarcoma of heart and spine									1				1
Sarcoma of neck						1							1
Pelvic sarcoma	1												1
Syphilis		1		1									2
Tumor		1		1	1								3
Exophthalmic goitre					3								3
Glanders												1	1
Diabetes		1	1			3	1	2	2	1			11
Tuberculosis	8	10	7	3	7	8	4	7	5	7	4	7	77
Tubercular meningitis	1	1	1		2	1	1	1		1	1		10
Tuberculosis of intestines						1							1
Tubercular peritonitis					1								1
Tuberculosis of spine										1			1
II. DISEASES OF THE NERVOUS SYSTEM.													
Meningitis		1		1				1			1		4
Apoplexy	3	12	3	8	8	8	6	7	3	3	6	3	70
Paralysis	1		1				1			1	1	2	7
Brain diseases						1	1		1		1		4
Convulsions	1										1	1	3
Neuritis			1				1						2
Hemiplegia			1	3	1			1		1	1	1	9
Epilepsy			1								1	1	3
Myelitis				1		1				1			3
Eclampsia									1				1
Paresis		1											1
Tetanus													1
Cerebro-spinal meningitis				1	1				1			1	4
III. DISEASES OF THE CIRCULATORY SYSTEM.													
Heart disease	6	7	8	6	10	5	4	7	4	6	9	8	80
Endocarditis	2	1	1	1			1	1	2				9
Myocarditis	3	3	1		1	1	2		2	1	3	1	18
Pericarditis								1					1
Angina pectoris					1			1		1		1	4
IV. DISEASES OF THE RESPIRATORY SYSTEM.													
Pneumonia	19	13	18	12	10	9	3	1	2	6	10	10	113
Bronchitis	2	6	2	5	3	1	1		2	1	1	1	25
Asthma			1			1						1	3
Pulmonary œdema	2	2	1		1	1			1		1		9
Empyema		1	2										3
Pleurisy										2			2

MORTALITY IN SOMERVILLE IN 1909.—Concluded.

	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Total.
V. DISEASES OF THE DIGESTIVE SYSTEM.													
Acute indigestion					1			3		1	1		6
Colitis	1		1							4	1	1	10
Gastritis		1	1	2				2	1	1	1		9
Peritonitis		1			1								2
Diarrhœa								2	2		1		5
Cholera infantum							1	2	2				13
Ptomaine poisoning						1					1		2
Gastric ulcer			2							1			3
Enteritis		1			4	2	4	4	5	3	3	2	28
Intestinal obstruction									1		1		2
Abscess gall bladder										1			1
Abscess of kidney						1							1
Appendicitis	1	1				1	1	2			1	1	8
Cirrhosis liver								1			3	1	5
Gall stones									1				1
VI. DISEASES OF GENITO-URINARY SYSTEM.													
Bright's disease		1	1	1	2	1		1		1	1	1	10
Cystitis				1	2		1						4
Nephritis	11	11	14	9	10	2	4	11	5	5	5	7	94
Pyelitis							1						1
VII. CHILDBIRTH.													
Childbirth	1	1	1	2		1						1	7
VIII. DISEASES OF THE SKIN AND CELLULAR TISSUE.													
Abscess	1			1									2
Gangrene	1					1	1						5
IX. MALFORMATIONS.													
Hydrocephalus	1								1				2
X. EARLY INFANCY.													
Marasmus			1	1		1	1	1	1	1			7
Inanition	1								1	2		1	5
Icterus neonatorum		1		1									2
Premature birth and congenital debility	5	2	2	2	2	1	3	2		2	4	3	28
XI. OLD AGE.													
Old age			1	1		2		1	1		1	1	8
Senile dementia			1	1		2	2		2	1		1	9
Arterio-sclerosis	1	1	2	2	3	1	1	1	3	2		4	21
XII. VIOLENCE.													
Automobile											1		1
Alcoholism				1		1							2
Drowning					1								1
Railroad		1			1	2	1			1		2	8
Suicide					1			2		1		1	5
Burning	1		1					1					3
Suffocation		1									1	1	3
Sunstroke						1							1
Fracture of hip	1												1
Fracture of skull			1	1		2	1				1		6
Fracture of ribs					1								1
Fracture of thigh				1					1		1		3
Injury to pelvis									1				1
Total	90	109	97	86	87	78	54	87	62	68	83	87	988
Stillborn	6	3	7	5	7	5	3	3	10	5	8	2	64

Population (estimated) 75,500

Death rate per thousand 13.1

Social Relations of Decedents.

Married	299
Single	424
Widow	186
Widower	77
Divorced	2
Unknown	0
Total	988

Nativity of Decedents.

Somerville	257
Massachusetts	201
Other New England states	124
Other states	79
Canada	88
England, Scotland, and Wales	41
Ireland	128
Italy	26
Norway and Sweden	13
Russia	9
Other countries	17
Unknown	5
Total	988

Nativity of Parents of Decedents.

	Father.	Mother.
Somerville	24	31
Massachusetts	148	161
Other New England states	162	139
Other states	41	32
Canada and provinces	96	121
England, Scotland, and Wales	58	61
Ireland	287	263
Italy	49	47
Norway and Sweden	39	41
Russia	17	15
Other countries	50	56
Unknown	17	21
Total	988	988

Of the parents of the stillborn, 38 fathers and 39 mothers were natives of the United States, and 26 fathers and 25 mothers were of foreign birth.

Diseases Dangerous to the Public Health.

This board has adjudged that the diseases known as actinomycosis, Asiatic cholera, cerebro-spinal meningitis, diphtheria, glanders, leprosy, malignant pustule, measles, scarlet fever, smallpox, tetanus, 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 twenty cases of scarlet fever have been reported during the year, nine of which resulted fatally. In 1908 there were 283 cases, four of which resulted fatally.

Diphtheria.—Three hundred thirty-four cases of diphtheria have been reported during the year, twenty-seven of which were fatal. In 1908 there were 278 cases, eleven 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-four cases of tuberculosis have been reported during the year. There were seventy-seven deaths from this disease.

Typhoid Fever.—Ninety-nine cases of typhoid fever have been reported during the year, eight of which have proved fatal. In 1908 there were sixty-four cases reported, nine of which were fatal.

Typhus Fever, Cholera.—No cases of typhus fever or cholera have been reported the past year.

Smallpox.—One case of smallpox has been reported during the year.

Number of persons with diphtheria or scarlet fever taken in ambulance to hospital by agent	220
Number of cases of scarlet fever and diphtheria for which houses were placarded	654
Number of premises disinfected by agent	1,016

It will be seen by the foregoing figures that, in addition to the 654 premises infected with scarlet fever or diphtheria, 362 other premises were disinfected. Thirty-five disinfections were made at the request of attending physicians whose patients had been ill with typhoid fever or cancer. One hundred and eighty-eight schoolrooms were disinfected, 117 for scarlet fever, sixty-eight for diphtheria, and 139 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 1909 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 1909.

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 . . .	53	2	3.8	38	4	10.5	1	....	....
February . . .	31	1	3.2	23	4	17.4	....	....	....
March	30	3	10.	23	3	13.	1	....	....
April	24	2	8.3	29	2	6.9	4	1	25.
May	41	....	....	27	1	3.7	6	....	....
June	17	1	5.9	28	2	7.1	4	....	....
July	12	....	....	39	2	5.1	3	....	....
August	12	....	....	22	3	13.6	5	....	....
September . .	12	....	....	22	2	....	17	....	....
October	25	....	....	31	....	....	35	4	11.4
November . . .	29	....	....	32	1	3.1	15	2	13.3
December . . .	34	....	....	20	3	15.	8	1	12.5
Total	320	9	2.8	334	27	8.1	99	8	8.1

Deaths from Scarlet Fever, Diphtheria, and Typhoid Fever in the Last Ten Years.

MONTHS.	SCARLET FEVER.									DIPHThERIA.									TYPHOID FEVER.											
	1900.	1901.	1902.	1903.	1904.	1905.	1906.	1907.	1908.	1909.	1900.	1901.	1902.	1903.	1904.	1905.	1906.	1907.	1908.	1909.	1900.	1901.	1902.	1903.	1904.	1905.	1906.	1907.	1908.	1909.
January . . .	..	..	..	4	..	..	..	3	..	2	7	10	4	1	3	3	..	1	1	4	..	1	..	3	1	..	..	1	1	..
February . . .	1	4	1	2	1	1	..	2	..	1	1	4	..	2	3	2	2	..	..	4	1	2	..	1	..	..	..	..	..	..
March . . . .	..	1	..	..	1	1	..	..	1	3	5	2	..	3	..	..	..	..	..	1	1	..	1	1	..	..	..	..	..	..
April . . . .	..	2	..	..	..	..	1	..	..	2	2	..	1	1	1	5	..	..	2	2	..	..	..	..	1	..	..	..	1	1
May . . . . .	..	..	..	..	..	..	..	1	1	..	5	3	2	2	3	1	2	1	1	1	..	..	..	..	1	..	..	..	..	..
June . . . . .	..	..	..	1	..	1	..	..	..	1	3	1	..	1	1	..	..	1	1	2	..	..	..	..	1	..	..	..	..	..
July . . . . .	..	..	..	..	..	..	..	..	..	..	4	..	1	..	1	..	..	..	1	2	..	1	1	..	1	..	..	..	..	..
August . . . .	..	..	..	..	..	1	..	2	..	..	..	2	1	2	1	..	..	..	..	1	3	1	1	..	2	..	..	..	..	..
September . .	..	..	..	..	..	..	..	..	..	..	9	1	..	2	..	1	..	..	..	2	..	1	3	1	..	..	1	1	1	..
October	1	..	..	..	..	..	1	1	..	..	6	3	2	2	..	2	2	..	..	..	3	1	1	2	..	1	2	4	1	4
November . . .	2	..	1	..	..	..	..	1	1	..	3	2	3	2	..	3	1	1	2	1	2	..	..	..	3	3	..	3	1	2
December . . .	1	..	1	3	1	..	..	2	..	..	4	1	5	2	2	3	1	4	2	3	..	3	1	..	1	1	..	..	..	1
Total	7	5	3	10	3	4	1	12	4	9	49	29	19	19	14	17	15	9	11	27	9	12	6	10	11	9	11	11	9	8

Table of Deaths During the Last Ten Years.

Year.	No. of Deaths.	Rate per 1,000.
1900	967	16
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
Average death rate per 1,000 for ten years		14

Table Showing the Five Principal Causes of Death in Somerville in 1909.

PNEUMONIA.		HEART DISEASE.		NEPHRITIS.		CANCER.		TUBERCULOSIS.	
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.
113	14.9	112	14.8	94	12.5	83	11.	77	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.

In accordance with the provisions of the statute, tests of sight and hearing are made by the principals or teachers.

During the year 6,051 children have been referred to the inspectors during their daily visits, and 865 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	29	
Whooping cough	7	
Chicken pox	42	
Mumps	79	
Scarlet fever	5	
Diphtheria	1	
Total		163
2. Diseases of the nose and throat:—		
Enlarged tonsils and adenoids	718	
Inflammatory diseases	177	
Other abnormal conditions	8	
Total		903
3. Diseases of the eyes:—		
Inflammatory conditions of the eyes and lids	20	
Foreign bodies and injuries	7	
Other abnormal conditions	56	
Total		83
4. Diseases of the ears:—		
Inflammatory condition	17	
Other abnormal conditions	29	
Total		46
5. Diseases of the skin:—		
Pediculosis	693	
Impetigo	55	
Scabies	40	
Eczema	32	
Tinea	7	
Herpes	12	
Miscellaneous conditions	146	
Total		985
6. Miscellaneous diseases:—		
Constitutional diseases	40	
Diseases of the digestive system	61	
Diseases of the respiratory system	63	
Diseases of the circulatory system	21	
Diseases of the lymphatic system	74	
Diseases of the nervous system	28	
Diseases of the urinary system	58	
Wounds and injuries	42	
Other conditions	119	
Total		506
Total number of diseases reported		2,686

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.

The hospital has continued to demonstrate its value to the city during the past year. Many of the cases treated could not have been properly cared for at home, and undoubtedly their removal to the hospital reduced the danger of the spread of the diseases. Additional rooms were needed for nurses and help, besides laundry and storage accommodations, and on October 1, 1909, an appropriation of seven thousand dollars was made to provide for an addition to the hospital. This has been constructed and furnishes rooms for fourteen additional nurses and attendants, and a new laundry, besides increased accommodations in the wards. The diet kitchens have been placed in the wards, thus making the serving of food much more advantageous than before.

On October 15, 1909, the board received and accepted the resignation of Miss Nellie J. Van Cor, who had conducted the care of patients and the business management of the hospital as its matron from the opening of the institution with marked success, and she severed her connection therewith on December 2, 1909.

On November 3, 1909, the board appointed Miss Edith M. Grant, from the South Department of the Boston City Hospital, as matron, and she assumed her duties on November 27, 1909.

The statistical report of the hospital is included in the report of the medical inspector.

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 avenue.
 Claude Curtis, 154 Perkins street.
 Bay State Pharmacy, 173 Washington street.
 Edward E. Edwards, 25 Union square.
 Fred W. Gay, 524 Somerville avenue.
 Hart Brothers, 263 Highland avenue.
 Percy A. Hall, 2 Studio building, Davis square.
 Herbert E. Bowman, 529 Medford street, Magoun square.
 Eugene B. Carpenter, 10 Broadway.
 Julius E. Richardson, 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-one 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 1909.

HEALTH DEPARTMENT.

CREDIT.

Appropriation	\$8,000 00
Receipts:—	
Milk fees	353 35
Permit fees	56 00
Witness fees returned	6 15
Sundry cities and towns, for care of diseases dangerous to public health	248 43
Total credit	<hr/> \$3,663 93

DEBIT.	
Salaries	\$5,203 10
Repairing and painting vehicles	83 60
Repairing generator	24 00
Repairing harnesses and new harness	63 20
Horseshoeing	32 50
Burying dead animals	103 75
Office expenses, milk inspector	149 39
Books, stationery, printing, and postage	289 53
Bacteriological laboratory	80 93
Board of agent's horse	312 30
Telephones	90 69
Care of diseases dangerous to public health (settlements in Somerville)	5,143 09
Incidentals	165 77
	<hr/>
Total debit	\$11,746 85
	<hr/>
Amount overdrawn	\$3,082 92

Health Department, Collection of Ashes and Offal.

CREDIT.	
Appropriation	\$50,000 00
Sale of offal, rags, etc.	8,649 76
Received from Lord & Webster (bill paid twice)	368 50
	<hr/>
Total credit	\$59,018 26
DEBIT.	
Salary of superintendent	\$1,400 00
Collection of ashes	29,440 20
Collection of offal	17,694 75
Stable expenses	2,186 00
Four new ash carts	450 00
Repairing wagons	911 52
Tools and repairing same	158 47
Harnesses and repairing same	809 33
Six new horses	1,578 96
Horse doctoring	150 18
Board of superintendent's horse	288 93
Horseshoeing	938 39
Hay and grain	7,862 05
Incidentals	222 47
	<hr/>
Total debit	\$64,091 25
	<hr/>
Amount overdrawn	\$5,072 99

Health Department, Hospital for Contagious Diseases.

CREDIT.	
Appropriation	\$1,000 00
Received from sundry persons, cities and towns, and commonwealth of Massa- chusetts	6,781 71
	<hr/>
Total credit	\$7,781 71

DEBIT.		
Salaries of employees		\$5,300 80
Supplies		683 90
Groceries and provisions		1,981 49
Incidentals		524 64
		<hr/>
Total debit		\$8,490 83
		<hr/>
Amount overdrawn		\$709 12

Health Department, Medical Inspection in the Public Schools.

CREDIT.		
Appropriation		\$1,500 00
DEBIT.		
Salaries of inspectors		\$1,400 00
Printing		27 45
		<hr/>
Total debit		\$1,427 45
		<hr/>
Balance unexpended		\$72 55

Appropriations Overdrawn.

Health Department		\$3,082 92
Health Department, Collection of Ashes and Offal		5,072 99
Health Department, Hospital for Conta- gious Diseases		709 12
		<hr/>
Total overdrawn		\$8,865 03
Balance unexpended, Health Depart- ment, Medical Inspection in Public Schools		72 55
		<hr/>
Net amount overdrawn		\$8,792 48

ALLEN F. CARPENTER, Chairman,
ALBERT C. ALDRICH, M. D.,
ZEBEDEE E. CLIFF,

Board of Health.

REPORT OF THE MEDICAL INSPECTOR.

Somerville, January 10, 1910.

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

Gentlemen,—I herewith present the report of the medical inspector for the year 1909, including the statistics of the contagious disease hospital and the bacteriological laboratory.

Scarlet Fever. During the year 320 cases of this disease were reported in the city, an increase of thirty-seven in number over the previous year. Every case has been inspected, before the house was fumigated, and 348 visits were made at residences to determine when desquamation was complete.

Diphtheria. During the year 334 cases of diphtheria have been reported in the city, an increase from the previous year, when 278 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 444 visits were made at houses for this purpose.

Typhoid Fever. During the year ninety-nine cases of this disease were reported, an increase of thirty-five cases from the previous year.

Tuberculosis. One hundred and forty-four cases of tuberculosis were reported during the year, an increase of eight 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 1909 288 visits have been made to thirty-nine 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 patients transferred to the medical inspector on October 1. During 1909 this arrangement has continued, 421 visits having been made at the hospital during the year.

Scarlet Fever. During the year seventy-nine cases of scarlet fever were admitted, seven of which proved fatal. Thirty-five of these cases were among males, and fifty-two

among females. Twenty-three were under five years of age, thirty-five from five to ten years, and the remainder were over ten years. Vomiting was a constant symptom, it occurring in forty-eight cases, and a sore throat in sixty-six cases. In eleven cases the rash occurred on the first day of the illness, in fifty-five cases on the second day, and in eight instances on the third day. There was membrane present on the tonsils in thirty-three cases; in thirteen cases the disease was complicated with nephritis; in eleven cases with rheumatism, in six cases with discharging ears, in twenty-six with enlarged cervical glands, and in addition five had diphtheria, and one had mumps. The average stay in the hospital was forty-one days.

Diphtheria. During the year 137 cases of diphtheria were admitted, nineteen of which proved fatal. Of these patients, seventy-one were among males, and seventy-three among females. Fifty-seven were under five years of age; fifty-nine were from five to ten, and the remainder were over ten. Thirteen entered the hospital on the first day of their illness, and all recovered. Sixty-nine entered the second day of the illness, and four died; twenty-four on the third day, with five deaths; sixteen on the fourth day, with six deaths; four on the fifth day, with two deaths; five on the sixth day, with one death, and three on the seventh day, with one death. The importance of early treatment with anti-toxin is thus very obvious. Of the laryngeal cases eighteen came to intubation, thirteen of whom recovered. In forty-two patients the membrane extended over both tonsils, uvula and palate, sixteen of whom died from systemic infection involving both the heart and kidneys. In fifty-eight cases the cultures were positive. The throat was clear of membrane in five cases on the first day, in twenty-two cases on the second, in eighteen cases on the third, in eleven cases on the fourth, in twenty cases on the fifth, in six on the sixth, and in six on the seventh. In fifty-seven 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 of 126 patients was twenty-two days. Of the nineteen deaths during the year four died within twenty-four hours of admission and were hopeless at that time, and were complicated with nephritis.

Patients Treated at the Contagious Hospital.

DISEASE.	Admission by Months.												Total admitted.	Cured.	Died.	Remaining January 1, 1910.	Percentage of Fatality.	
	Remaining January 1, 1909.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.						December.
Scarlet fever . . .	16	13	9	7	6	7	6	6	1	5	2	9	8	79	78	7	10	8.2
Diphtheria . . .	12	9	10	13	10	13	16	20	11	4	13	12	6	137	125	19	5	13.2
Erysipelas . . .	..	..	..	1	..	..	..	2	..	..	..	..	1	4	3	..	1	..
Measles . . . . .	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Totals	28	22	19	21	16	20	22	23	12	9	15	21	15	220	206	26	16	

Bacteriological Department.

During the year 1909, 1,537 examinations were made of cultures for the diphtheria organism, 192 examinations made of sputum from patients suspected of having tuberculosis, and 150 examinations to detect the Widal reaction in typhoid fever.

Diphtheria. Fifteen hundred and thirty-seven cultures have been examined for diphtheria, 694 being in males, and 843 in females. Diphtheria being a disease of children, 375 of these examinations have been made in children under five years of age, 657 in those from five to ten years of age, 206 from ten to twenty, and 284 in adults over twenty years. In fifteen cases the age of the patient was not stated. Six hundred and thirty-seven examinations were made for the diagnosis of the case,

189 proving positive, and 448 negative. Of the positive results, fifty-four were of cases in which the attending physician's diagnosis of diphtheria was confirmed, eighteen in which the clinical diagnosis was not diphtheria, and 117 in which no definite diagnosis was made. Of the 448 negative examinations, twenty-eight were obtained in which the clinical diagnosis was diphtheria, 121 in which the diagnosis was not diphtheria, and 299 in which no diagnosis had been made.

Eight hundred and ninety-one cultures were taken for release of patients from quarantine, 165 of which were positive, and 726 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 nine examinations there was no growth upon the serum tube.

Tuberculosis. One hundred and ninety-two examinations have been made of sputum suspected of containing the tubercle bacillus, fourteen of which were positive and 178 negative. In seventy-nine cases a definite diagnosis of this disease had been made by the attending physician, but in sixty-nine of them the organism could not be detected. In the remainder of the cases, sixty-eight were stated as not showing evidence of the disease, three being positive, and in forty-five cases no statements were made giving information as to its character, one of which was positive. One hundred were males and ninety-two females. Although printed directions accompany each outfit, telling how the specimen should be obtained, it has not been unusual for specimens to be sent to the laboratory containing only saliva from the mouth, with no excretion from the lungs or bronchial tubes. Physicians should be urged to give definite instructions to each patient, relating to the collection of the sputum, for in some instances a negative report would mislead both physician and patient. Consumption to-day is recognized as an infectious disease, and all persons afflicted with it should be instructed in the modern methods for preventing its spread. In some cases this is not done by the attending physician, and during the past six 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 fifty examinations of the blood of patients suspected of having typhoid fever have been made, fifty-two of which proved positive. In fifty-seven cases a positive diagnosis of this disease had been made by the attend-

ing 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, twenty-four were diagnosed as typhoid, five were said not to be typhoid, and in sixty-nine no diagnosis was made. Eighty-nine were males and sixty-one females.

Summary for Seven Years, 1903, 1904, 1905, 1906, 1907, 1908, 1909.

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

	For Diagnosis	Clinical Diagnosis		Dipl.	Clin. Diag. not Dipl.		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	217	
1908	524	57	48	14	96	92	217	
1909	637	54	28	18	121	117	299	

	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

Sputum for Tuberculosis.

	No. Examined	Males	Females	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	33
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

	Clinical Diagnosis not		Tuberculosis	Clinical Diagnosis not stated	
	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	

Blood for Typhoid Fever.

	No. Examined	Males	Females	Positive	Clin		Diag. Typhoid Fever	
					Negative	Positive	Negative	Positive
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	

	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

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, 1910. }

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 1909.

The following is a statement of the number of animals killed during the year at the five slaughtering establishments in the city:—

Swine, 1,128,246; sheep, 292,287; calves, 66,820; cattle, 30,569; goats, 748. The work of the four large establishments in Somerville have 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, 60,563; sheep, 22,662.

The total number of neat cattle kept in the city is 163; swine, 110; cows, fifty-two; goats, one, all of which have been inspected by me several times during the year.

There have been 2,731 horses examined in stables where contagious diseases were reported to exist. Forty-three were quarantined, a decrease from last year of twenty. Of this number, forty were killed and three were released.

All the blacksmith shops of the city have been disinfected and whitewashed during the year.

There are seventy-three barber shops and eighty-four bakeries in the city, all of which have been frequently inspected, most of them being found in excellent condition.

There have been 2,581 visits made to stores and markets, and 816 pedlers' carts have been inspected from which fish, provisions, and produce were sold.

The following articles have been condemned and destroyed:—

Fish.

Codfish, whole, 38; codfish, salt, $\frac{1}{2}$ box; flounders, whole, 168; had-dock, whole, 334; halibut, 41 pounds; halibut, smoked, 3; herring, fresh, 1,063; herring, smoked, 3 boxes; mackerel, whole, 105; pollock, whole, 39; salmon, fresh, 41 pounds; salmon, smoked, 1; shad, whole, 33; smelts, 4 boxes; swordfish, 6 pounds; clams, 3 quarts; lobsters, 67; oysters, 6 gallons.

Meats.

Beef, fresh, 967 pounds; beef, corned, 571 pounds; Hamburg steak, 22 pounds; livers, whole, 28; mutton, 171 pounds; pigs' feet, $1\frac{1}{4}$ kegs; pork, fresh, 192 pounds; pork, salt, 149 pounds; pork, smoked, 126 pounds; poultry, 943 pounds; sausage, fresh, 37 pounds; sausage, smoked, 29 pounds; swine, whole, 19; tripe, 26 pounds; veal, 212 pounds.

Fruit.

Apples, 2 barrels; bananas, 114 dozen; cantaloupes, 16 crates; dates, $\frac{1}{2}$ box; grape fruit, 2 boxes; grapes, 34 baskets; lemons, 2 boxes; oranges, 5 boxes; peaches, 6 baskets; prunes, 1 basket; blackberries, 11 quarts; raspberries, 42 cups; strawberries, 61 quarts.

Vegetables.

Beans, green, 2 bushels, 4 crates; beets, 4 bushels; cabbage, 7 barrels; carrots, 3 bushels; cauliflower, 18 head; celery, 35 bunches; cucumbers, 11 crates; greens, 21 bushels; lettuce, 108 head; onions, $3\frac{1}{2}$ bushels; potatoes, white, 14 bushels; potatoes, sweet, 5 crates; squash, 10 barrels; tomatoes, 1 bushel; turnips, 15 barrels.

I have performed all other duties as required by your board.

Respectfully submitted,

DR. CHARLES M. BERRY,

Inspector.

REPORT OF THE DEPARTMENT OF MILK INSPECTION.

OFFICE OF THE INSPECTOR OF MILK, }
310 Broadway, Somerville, January 1, 1910. }

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

Gentlemen,—I have the honor to present the report of this department for the year ending December 31, 1909. Owing to the death of Dr. J. E. Richardson, who so ably conducted this office for the past nine years, my report will be of necessity somewhat restricted as to detail of work, statistics, etc., but will be confined to recommendations as to the care and handling of milk, and the observance of the statute and board of health regulations now in force. During the eight weeks I have been in office I have examined two hundred forty-nine samples of milk microscopically and chemically. In all but fourteen samples I found the milk of good standard quality. Notices and warnings were sent to these parties.

One hundred and four licenses have been issued to milkmen to sell milk.

Five hundred and seventy-five licenses have been issued to storekeepers, making a total of six hundred and seventy-nine merchants handling milk in this city during the year 1909. In addition, forty-three grocers' teams have been licensed to deliver milk to their customers.

Milk.

Few people realize the true food value of pure milk, otherwise the care used in handling this valuable article of food, both before and after it comes into the home, would be doubled.

The elements needed to nourish the body may be obtained from pure milk more cheaply than from meat, and will replace or diminish the quantity of other foods.

Pure milk needs no cooking, pasteurizing or sterilizing, contains no waste, is palatable and easily digested, but no other article of food is more dangerous to health than milk if adulterated or carelessly handled. An eminent authority states "that one-half the children born into this world die before the age of five years, and one-fifth die before the end of the first year." He goes further and states "that bad milk kills more babies than any other one of their enemies."

Care of Milk.

In pursuance of the above thought and in view of our knowledge of diseases contracted from contaminated milk it

would be well to recommend the following simple rules to be observed in the homes:—

1. Do not patronize a milk dealer at any price whose milk after standing for two hours reveals a visible sediment at the bottom of the bottle.

It is evidence of dirty habits, extremely suggestive of danger, and entirely preventable by clean, decent methods without greatly increasing the cost.

2. Subject your milk to low pasteurization (140 degrees Fahrenheit for twenty minutes) and after cooling keep it at a temperature below fifty degrees Fahrenheit.

This will not make bad milk good, but it will destroy germ life and reduce the danger of milk-borne disease to a minimum.

It has been conclusively shown that low pasteurization when done properly does not impair the enzymes or ferments contained in fresh milk, does not alter the chemical composition, does not lessen its food value, either as to nutrition or digestibility, and does not alter its taste or physical qualities.

If at any time you have trouble with the milk, notify the milk inspector and he will investigate to the best of his ability.

Bottles.

There seems to be very little violation of the regulation prohibiting the use of milk bottles as containers for substances other than milk, the public being the principal offenders, as they do not realize the danger in using milk bottles for molasses, vinegar, and kerosene. The daily collection of bottles by milkmen would assist in enforcing this regulation.

Where there is a case of infectious disease the bottles should not be collected by the milkman. The consumer should leave some suitable container ready for the milkman in which to pour the milk. If by any chance milk bottles have accumulated during a sickness, they should be sterilized or fumigated before they are returned to the milkman. I mention these points, as it is often dark when the milk is left and the card might not be noticed.

Milkmen.

Almost without exception the milkmen have been most courteous and shown a desire to co-operate in every way possible. Carelessness, I think, rather than intentional wrongdoing is responsible for the majority of cases of dirty milk.

In one instance a milkman was discovered tasting milk with the same spoon, without washing it in the intervals, and in another case there were several teaspoonfuls of soapy water in each bottle, waiting to receive the daily supply of milk.

Occasionally some dairyman will send milk into the city from cows with infected udders, and storekeepers in the small

stores are careless about icing. I call attention to these instances to show that eternal vigilance is the price of safety and applies especially to the milk problem. The following rules were posted in all barns where cows were kept and a license granted to sell milk by Dr. J. E. Richardson:—

The board of health issues the following suggestions to milk producers in the interest of cleaner and purer milk:—

1. Keep cows clean.
2. Keep floors, walls, and ceilings of stable and milk room clean and free from cobwebs. Whitewash frequently.
3. Use clean bedding, and never use manure for that purpose.
4. Air the cow stable frequently.
5. Permit no sick person to handle the cows or milk, but have the sick person examined at once by a physician. Avoid exposure to contagious diseases.
6. Clean and wipe udders dry before each milking.
7. Wash and dry your hands before milking; always milk dry handed.
8. Wear clean outer garments when milking.
9. Do not save milk from any cows which have any disease, particularly of the udder.
10. The first stream of milk from each teat should be thrown away.
11. Do not strain milk in cow barn.
12. Remove milk from barn to milk room at once, strain and cool to fifty degrees Fahrenheit or lower, and keep it there; get a dairy thermometer (twenty-five cents) to try temperature.
13. Protect milk from flies and dust at all times; screen doors and windows of milk room; if trough is used, cover with screen of coarse cheesecloth, tacked to light frame.
14. All milk vessels should be thoroughly cleaned and then rinsed with boiling water.
15. Use milk pails with small opening on top. Don't use wooden pails.
16. Don't feed any food which imparts flavor to milk before milking, always after.
17. See that milk cans are clean and well aired.

Observance of these suggestions will be for your advantage, and of great advantage to the consumer of milk.

Signed,

J. E. RICHARDSON,
Inspector of Milk.

I consider it absolutely necessary to live up to these regulations.

Oleomargarine.

Five persons have been licensed to sell oleomargarine in Somerville during the year, and I believe they all observe the law which requires each package to be plainly stamped with the weight and the word "Oleomargarine."

Vinegar.

From time to time during the year vinegar samples were seized from grocery stores and analyzed.

According to the records in this office, all samples were found to be above the standard required by law.

Respectfully submitted,

HERBERT E. BOWMAN,
Inspector of Milk and Vinegar.

SUPPORT OF POOR DEPARTMENT.

Board of Overseers of the Poor.

EDWARD B. WEST, President.
ALBERT W. EDMANDS, Vice-President.
HERBERT E. MERRILL.

Committees.

ON FINANCE, INVESTIGATION AND RELIEF, AND CITY HOME—Mr. West,
Mr. Edmands and Mr. Merrill.

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.

Somerville, Mass., December 31, 1909.

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

Gentlemen,—In accordance with our usual custom and the requirements of the law, we submit our annual report for the year 1909.

We have passed out of the financial depression of two years ago, and many of our families, which we assisted in their homes, are working and do not require aid.

The laundry machinery which has been put in at the city home has long been needed and we appreciate the courtesy of the mayor and commissioner of public buildings in having the same installed.

We are in need of a hospital in connection with the city home, where we can take care of the sick at the home and others whom we have to care for and who cannot be admitted to the Somerville hospital, and we hope you will be able to give us this addition.

The state has taken part of our land for the Alewife Brook boulevard and there ought to be a fence built from Broadway between the city land and said boulevard; this should be done early this spring.

We wish to thank the general agent, the secretary, the warden, and matron for the work accomplished in their respective positions.

The work of the year has been entirely satisfactory in the different departments, and we submit the details as follows, including the reports of the general agent and warden.

Signed,

E. B. WEST,	} Overseers	
A. W. EDMANDS,		} of the
H. E. MERRILL,		} Poor.

REPORT OF GENERAL AGENT.

Somerville, Mass., December 31, 1909.

To the Board of Overseers of the Poor, Somerville, Mass.:—

Gentlemen,—The following is the general agent's report for the year just closed. Owing to the fact that the state has paid for the support of the feeble-minded and insane epileptics, and for some other reasons, there is a balance of \$785.93 to our credit at the close of the year. The amount expended for food for poor families has been \$4,459.58, and for fuel \$588.01, or about eighty tons of coal. These combined figures show a decrease from 1908 of \$752.64. We have paid other cities and towns for aid rendered to the poor living there, who have a settlement in Somerville, \$3,086.71. In addition to the \$5,000.00 appropriated by the city for the support and treatment of the sick poor, who are settled here, we have caused to be collected and turned over to the Somerville Hospital the sum of \$2,250.11. There has been established at Canton, Mass., the Massachusetts hospital school for crippled and deformed children. The law establishing the same reads as follows: "The board of such children as have a legal settlement in some city or town shall be paid by such city or town at a rate not exceeding four dollars a week, notice of the reception of the children by the trustees being given by them to the overseers of the poor of the city or town of settlement as soon as is practicable. . . . Such charges as are paid by the commonwealth, or by any city or town, shall not be deemed to have been paid as state or pauper aid, and no person shall be deemed to be a pauper in consequence of his inability to pay for the support of a child in said school."

Although the law requires that the overseers of the poor shall be notified, yet I do not think that the money to pay these bills should be taken from our appropriation, for the reason that we are a pauper department and when we pay for the board of a child it pauperizes the family. I think the law should either be amended or the money for their board should come from some other department. We have one child in this hospital school and we are likely to have others. A special appropriation could be made by the mayor and aldermen for this purpose.

We have caused to be collected during the year from other cities, towns, state, and individuals, the sum of \$4,129.10; this amount includes the \$2,250.11 turned over to the hospital. We have given sixteen permits to the city home and eleven to State Infirmary at Tewksbury during the year. With the consent of the board our old typewriter has been exchanged for a new one at an expense of \$95.25. A new carpet for the offices has been

purchased with the approval of the board costing \$99.75. I have tried to keep in touch with the needs of those dependent upon the city for aid, and so far as I am aware their wants have been attended to promptly. I wish to thank the members of the board for their courtesies and co-operation in the work. The usual tables giving a more detailed account of what has been done are annexed.

Very respectfully,

C. C. FOLSOM,
General Agent.

Table No. 1.**FULL SUPPORT (DURING THE YEAR).**

In city home (men 29, women 15)	44
In city home December 31, 1909 (men 19, women 9)	28
In private families	2
In Somerville hospital	226
In hospitals for the sick in other towns, cities and state	49
In hospital for dipsomaniacs	2

Table No. 2.**PARTIAL SUPPORT (OUTDOOR RELIEF).**

Families	203
Persons aided (not including hospital cases)	892
Burials	9
Permits to Tewksbury almshouse	15
Average expense to the city for each (ambulance for two)	\$1.92

Table No. 3.**REIMBURSEMENTS.**

Commonwealth of Massachusetts	\$958 93
City of Boston	606 08
" " Cambridge	643 77
" " Chelsea	105 50
" " Everett	115 89
" " Fall River	22 65
" " Gloucester	40 00
" " Haverhill	31 43
" " Holyoke	24 00
" " Lowell	156 24
" " Malden	98 85
" " Marlboro	55 71
" " Medford	96 15
" " New Bedford	10 85
" " Newton	238 64
" " Quincy	13 00
" " Springfield	18 90
" " Taunton	18 00
" " Woburn	66 44
" " Worcester	132 44
Town of Andover	10 00
" " Arlington	102 86
" " Attleboro	18 14
" " Boylston	32 43
" " Braintree	29 14
" " Brookline	11 43
" " Framingham	12 43
" " Gardner	8 57
" " Leominster	52 17
" " Reading	18 00
" " Revere	34 00
" " Saugus	28 01
" " Stoneham	39 45
" " Stow	28 71
" " Truro	36 86
" " Wakefield	16 16
" " Weston	32 00
" " Williamstown	14 29
Relatives, individuals, etc.	150 98

 \$4,129 10

Table No. 4.

SOMERVILLE HOSPITAL (PATIENTS ON CITY BEDS).

Patients having settlement in Somerville	92
Patients having settlement in other cities or towns	59
Patients having no settlement (chargeable to state)	75
Total number of patients sent to hospital	226
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	2,250 11
Total paid to the hospital	<u>\$7,250 11</u>

Table No. 5.

POPULATION AND GROSS EXPENDITURES, 1883 TO 1909, 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

*Census.

Overseers of the Poor of Somerville.**SINCE THE REORGANIZATION IN 1885.**

†Hon. Mark F. Burns, chairman ex-officio	1885	1888	inclusive
†Colonel Herbert E. Hill	1885	1889	"
†Charles S. Lincoln, Esq., chairman	1885	1887	"
Hon. Edward Glines	1885	1887	"
†Charles G. Brett (president 1888-1892)	1885	April 1893	"
Edward B. West (president May, 1894, to date)	1888	to date*	"
†Daniel C. Stillson	1888	April 1892	"
†Hon. Charles G. Pope, chairman ex-officio	1889	1891	"
Nathan H. Reed (president 1893 to April, 1894)	1890	April 1894	"
†Hon. William H. Hodgkins, chairman ex-officio	1892	1895	"
James G. Hinckley	May 1892	1894	"
Albert W. Edmands	May 1893	to date*	"
Herbert E. Merrill	May 1894	to date*	"
†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		

* Present member.

† Deceased.

Table No. 7.**RECAPITULATION (MISCELLANEOUS).**

Appropriation	\$13,500 00	
Reimbursements	4,129 10	
	<hr/>	
Total receipts		\$17,629 10
Total expenditures		16,843 17
		<hr/>
Balance		\$785 93
Net expenditures		\$12,714 07

Table No. 6.

EXPENDITURES, IN DETAIL, FOR THE YEAR 1909.

1909.	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 Hospital.	Foxboro State Hospital.	Feeble- minded School.	Epileptic Hospital and Nursing.	Total.
January . .	\$15.50	\$31.01	\$747.33	\$608.03	\$11.00	\$7.00	. . .	\$356.66	\$172.69	\$4.00	\$23.70	\$7.00	\$26.00	. . .	. . .	. . .	\$253.50	. . .	\$2,263.42
February . .	14.75	24.00	481.50	49.57	. . .	. . .	\$35.00	337.99	100.11	. . .	12.35	23.90	. . .	. . .	\$89.71	. . .	. . .	. . .	1,168.88
March . . .	10.25	52.51	413.50	179.49	. . .	. . .	35.00	316.66	93.80	2.00	13.15	.60	18.00	. . .	\$153.21	. . .	\$29.25	. . .	1,317.42
April	23.48	38.44	339.00	257.15	. . .	. . .	. . .	328.66	. . .	4.00	8.06	30.55	3.50	\$533.32	. . .	. . .	. . .	. . .	1,566.16
May	7.70	44.08	241.00	. . .	. . .	. . .	15.00	316.66	2.45	. . .	7.35	. . .	4.30	133.33	24.75	. . .	. . .	. . .	796.62
June	18.80	36.44	349.50	21.91	3.25	. . .	15.00	316.66	3.30	. . .	6.25	. . .	6.25	133.33	. . .	. . .	. . .	13.00	923.69
July	7.15	37.65	284.00	383.94	. . .	. . .	. . .	316.66	. . .	1.00	33.99	30.87	4.85	133.33	. . .	29.71	. . .	10.25	1,273.40
August . .	38.70	37.65	365.50	405.36	. . .	. . .	25.00	316.66	. . .	6.40	22.75	. . .	6.25	133.33	123.88	. . .	. . .	. . .	1,481.48
September	37.25	40.72	409.00	135.59	. . .	. . .	. . .	343.33	1.95	. . .	11.20	. . .	. . .	133.33	3.87	. . .	. . .	35.75	1,151.99
October . .	13.05	47.65	299.50	560.44	7.50	. . .	. . .	316.66	. . .	119.75	8.70	. . .	7.00	133.33	. . .	. . .	. . .	15.25	1,528.83
November .	15.40	50.73	350.00	214.29	. . .	. . .	30.00	316.66	139.91	. . .	28.25	10.19	. . .	133.33	99.43	11.29	. . .	33.00	1,432.48
December .	. . .	52.08	179.75	270.94	. . .	2.00	. . .	336.74	73.80	99.75	17.35	10.16	. . .	783.48	. . .	. . .	. . .	112.75	1,938.80
Totals . .	\$202.03	\$492.96	\$4,459.58	\$3,086.71	\$21.75	\$9.00	\$155.00	\$3,920.00	\$588.01	\$236.90	\$193.10	\$113.27	\$76.15	\$2,250.11	\$341.64	\$194.21	\$253.50	\$249.25	\$16,843.17

Year	Month	Day	Event	Location	Notes
1912	Jan	1	...	...	...
1912	Jan	2	...	...	...
1912	Jan	3	...	...	...
1912	Jan	4	...	...	...
1912	Jan	5	...	...	...
1912	Jan	6	...	...	...
1912	Jan	7	...	...	...
1912	Jan	8	...	...	...
1912	Jan	9	...	...	...
1912	Jan	10	...	...	...
1912	Jan	11	...	...	...
1912	Jan	12	...	...	...
1912	Jan	13	...	...	...
1912	Jan	14	...	...	...
1912	Jan	15	...	...	...
1912	Jan	16	...	...	...
1912	Jan	17	...	...	...
1912	Jan	18	...	...	...
1912	Jan	19	...	...	...
1912	Jan	20	...	...	...
1912	Jan	21	...	...	...
1912	Jan	22	...	...	...
1912	Jan	23	...	...	...
1912	Jan	24	...	...	...
1912	Jan	25	...	...	...
1912	Jan	26	...	...	...
1912	Jan	27	...	...	...
1912	Jan	28	...	...	...
1912	Jan	29	...	...	...
1912	Jan	30	...	...	...
1912	Jan	31	...	...	...

REPORT OF WARDEN OF CITY HOME.

City Home, January 1, 1910.

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, 1909:—

Table No. 1.

REIMBURSEMENTS.

Produce and pork sold	\$4,219 65	
Board of sundry persons	808 10	
		\$5,027 75

Table No. 2.

LIVING EXPENSES.

General repairs	\$59 72	
Salaries and wages	2,649 19	
Groceries and provisions	2,050 24	
Dry goods	188 61	
Boots and shoes	62 80	
Hay and grain	587 43	
Seeds and fertilizer	141 16	
House furnishings	3 60	
Kitchen furnishings	54 75	
Sundries	114 97	
Farm sundries	258 67	
Cash paid by warden, car fares for warden, inmates, and laborers	61 28	
Medicines	103 49	
Shoeing horses	36 75	
Repairs on wagons and tools	86 39	
Repairs on sash	11 68	
Swill and bedding	309 50	
New tools	78 47	
Live stock	61 50	
Telephone	42 69	
Ice	26 00	
		\$6,988 89

Credits:—

Produce and pork sold	4,219 65	
Board of sundry persons	808 10	
		5,027 75
Net living expenses		\$1,961 14

Table No. 3.

Number of weeks' board of inmates	1,383	5-7
Number of males admitted during 1909	11	
Number of females admitted during 1909	4	
Number of males discharged during 1909	6	
Number of females discharged during 1909,	4	
Number of males supported during 1909	26	
Number of females supported during 1909	17	
Number of males died during 1909	4	
Number of females died during 1909	4	
Number of inmates in home December 31, 1909	28	

Table No. 4.**FARM ACCOUNT.****REIMBURSEMENTS.**

Produce and pork sold	\$4,219 65	
Produce used at city home	325 00	
	<hr/>	\$4,544 65

EXPENSES.

Wages for help	\$1,005 38	
Feed for one horse	146 86	
Shoeing one horse	12 25	
Repairs on wagon and tools	86 39	
Repairs on sash	11 68	
Swill and bedding	309 50	
Farm sundries	258 67	
Seed and fertilizers	141 16	
Live stock	61 50	
New tools	78 47	
	<hr/>	\$2,111 86
Balance		<hr/> \$2,432 79

Table No. 5.**PERMANENT REPAIRS AND FIXTURES.**

New laundry machinery	\$500 00	
Removing and rebuilding:—		
Hen house	32 01	
Barn floor	7 83	
Chimney for greenhouse	2 84	
New pens in piggery	24 21	
New door for ash pit	7 05	
	<hr/>	\$573 94
Living expenses		6,988 89
Total expenditures		<hr/> \$7,562 83

Table No. 6.

Appropriation	\$3,000 00
Reimbursements	5,027 75
Net expenditures	2,535 08
	<hr/>
Total receipts	\$8,027 75
Total expenditures	7,562 83
	<hr/>
Balance	\$464 92

Respectfully submitted,

J. FOSTER COLQUHOUN,

Warden.

REPORT OF THE CITY PHYSICIAN.

OFFICE OF THE CITY PHYSICIAN, }
Somerville, January 1, 1910. }

To His Honor, the Mayor, and the Board of Aldermen:—

Gentlemen,—The following summary is presented as representing the work of your city physician during the year 1909:—

Office consultations and treatments	617
Total outside visits	1,309
Vaccinations	169
Confinements	25
Examinations for legal department	12
Visits at city home	34
Attended at police station	41

Respectfully submitted,

C. CLARKE TOWLE,
City Physician.

REPORT OF THE CITY ENGINEER.

OFFICE OF THE CITY ENGINEER,
CITY HALL, SOMERVILLE, January 20, 1910. }

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, 1909, by the departments and appropriations under my charge and supervision, including Engineering, Grade Crossings, Sewers Construction, Sewers Maintenance, Public Grounds, and other public works, is herewith presented.

ENGINEERING DEPARTMENT.

Statement of Expenses, 1909.

Salary of City Engineer	\$3,000 00	
Salaries of assistants (see itemized statement following)	8,455 19	
Stakes, tools, and general supplies (outside work)	50 31	
Draughting materials and office supplies (inside work)	172 13	
Car fares	268 63	
Maintenance of team	244 25	
Telephone, postage, expressing, and incidentals	128 63	
Total debit		\$12,319 14
CREDIT.		
Appropriation	\$11,500 00	
Amount received for making acceptance plans	25 00	
Amount received from other departments, services rendered	825 00	
Total credit		\$12,350 00
Balance unexpended		\$30 86

Classification of Expenses, Assistants' Salaries.

Sewers,—comprising surveys, estimates, profiles, lines, grades, titles, plans, assessments, and all engineering work relating to sewers	\$1,285 99
Highways,—comprising plans, estimates, titles, profiles, lines and grades, inspection of paving, and all other engineering relating to the department	1,377 13
Sidewalks,—comprising profiles, lines, grades, measurements, titles, costs, and assessments	917 43

Bridges and Grade Crossings,—comprising surveys, plans, profiles, estimates, lines and grades, etc.	299 90
Water Works,—comprising lines, grades, locations of mains, gates, hydrants, and services, and other matters relating to the department	540 07
Public Grounds,—comprising surveys, plans, estimates, profiles and grades, including laying out of parks and grounds and boulevards	309 37
Public Buildings,—comprising surveys, estimates, lines and grades, and other work relating to construction	64 59
Street Numbering,—comprising locations of buildings, plans, and affixing street numbers on houses	320 17
Street Lines and Grades,—comprising establishing of lines, grades, and miscellaneous data given parties for building and grading	192 78
City Survey,—comprising establishing of street lines, acceptance plans, and miscellaneous survey work for city map, etc.	1,003 38
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	294 13
Railway, Telephone, Electric Light, and Gas Light Companies,—comprising grades, plans, profiles, and office notes, locations of poles and conduits	290 59
Stone Bounds,—locating and setting	29 85
Office Work,—comprising records of all locations, indexing, typewriting, calculations, and general draughting	841 40
Miscellaneous Work,—comprising preliminary surveys, designs, sketches, etc., relating to various schemes for different committees	43 42
Vacations, Holidays, and Sickness	644 99
Total	<u>\$8,455 19</u>

Grade Crossings Account.

STATEMENT OF EXPENSES, 1909.

Account overdrawn, 1908	\$32,879 52	
Extra legal services (City Solicitor)	1,184 09	
Damages paid for land and buildings taken	64,397 98	
Photographs	9 00	
		<u>\$98,470 59</u>
CREDIT.		
Received from City Solicitor, part counsel fees	\$577 50	
Received from Commonwealth of Massachusetts, apportionment of damages, decree of court	46,460 03	
Received from Boston Elevated Railway, decree of court	7,009 42	
Received from Boston & Maine Railroad Co., decree of auditor	32,351 17	
Received from New York Central & Hudson River Railroad, decree of auditor,	2,695 93	
		<u>\$89,094 05</u>
Overdrawn, 1909		<u>\$9,376 54</u>

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.

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 twelve.

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 1909 there has been undertaken and completed a larger amount of permanent improvement in the city's main thoroughfares than during any previous year.

Considerable of the engineering work is so closely allied with work in the Highway department that it is carried on in conjunction with it, and the final cost of completed work made up and betterment assessments computed, showing the amount assessed on the various property owners.

Highland avenue has been constructed its entire length, 8,870 feet, with a combination pavement, consisting of a Portland cement concrete base five inches in thickness and a bituminous wearing surface three inches in thickness.

The excavation, concrete base, grouted granite block centre and brow-stone along the car track were done by contract, and the remainder of the work by the city (day labor).

The electric railroad tracks were re-laid by the company

at their expense, with new rails and ties bedded in concrete, and the granite block pavement, between tracks, grouted with cement.

Itemized cost to city, Highland-avenue pavement, 1909:—

Contract work, Simpson Brothers Corporation:—

Excavation and removal of material, furnishing materials, and laying five-inch concrete foundation (25,069.4 square yards)	\$23,815 93
Furnishing and laying granite block brow-stone (17,642.5 linear feet)	5,733 81
Re-laying granite block paving between car tracks (4,565.9 square yards)	3,196 13
Extra excavation and teaming	200 32

Cost of work done by contract	\$32,946 19
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City, Highway Department:—

Day labor	\$5,025 06
Teaming	739 90
Rollers	1,910 48
"Tarvia" used (91,814 gallons)	5,993 01
Stone used (5,175 tons)	6,351 36
Re-setting edgestones, re-laying crossings, changing catch basins, manholes, water pipes, inspection of work, etc.,	2,836 77

Cost of work done by city (day labor)	\$22,856 58
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Total cost of work	\$55,802 77
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CREDIT.

By old granite gutter paving	\$5,937 22
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Net cost of pavement to city	\$49,865 55
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Average cost, \$1.81 per square yard, for combination pavement, bituminous wearing surface laid on a concrete base.

Washington street, on the southerly side, between the Boston city line and opposite Tufts street, a length of 1,813 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.

This pavement was laid by contract at the following cost:—

Fred S. & A. D. Gore Corporation:—

Laying 4,292.4 square yards granite block paving, concrete base	\$12,520 88
Extra work and materials, re-setting edgestone, re-paving driveways, etc.,	314 10

Cost of work done by contract	\$12,834 98
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City,—labor, inspection, catch basin changes, etc.	165 22
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Total cost of work	\$13,000 20
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CREDIT.

By old granite gutter paving	\$881 00
Net cost of pavement to city	<u>\$12,119 20</u>

Average cost, \$2.96 per square yard for cement-grouted granite block pavement laid on concrete base.

Medford street, between Somerville avenue and Washington street, a length of 982 feet, has been paved with granite blocks, grouted with pebbles and "tarvia," the work being done by the Highway department, day labor.

The old granite gutter blocks and car track paving on the street were used with new granite blocks to complete the work, at the following cost:—

City, Highway Department (day labor):—

Laying 2,547.3 square yards granite block pavement:—

Labor, teaming, rolling	\$2,455 23
Paving blocks (37,970)	2,278 20
"Tarvia" used (7,974 gallons)	528 24
Pebbles used (200 tons)	254 55
Changing catch basins, manholes, etc.,	54 23

Total cost of work	<u>\$5,570 45</u>
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CREDIT.

By old gutter paving	\$170 87
Net cost of pavement to city	<u>\$5,399 58</u>

Average cost, \$2.19 per square yard for "tarvia"-grouted granite block pavement.

Broadway, on the northeasterly side, between Cross street and Fellsway east, a length of 690 feet, has been constructed with trap-rock, using "tarvia" for a binder, the work being done by the Highway department, day labor, at the following cost:—

City, Highway Department (day labor):—

Constructing 2,950 square yards pavement:—

Labor, teaming, rolling	\$1,085 19
Stone used (768 tons)	1,104 06
"Tarvia" used (9,562 gallons)	629 30
Changing catch basins and miscellaneous work	67 82

Total cost of work	<u>\$2,886 37</u>
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Average cost, \$0.98 per square yard for street construction with bituminous wearing surface.

Beacon street, extending from the Cambridge city line to Buckingham street, a length of 870 feet, has been improved, using the same form of construction as described on Broadway, amounting to 2,610 square yards of pavement.

The foregoing descriptions and itemized statements of cost for comparison represent four different types of pavement, laid in the city's main thoroughfares during the year 1909.

The total length of permanent paved streets in the city amounts to 8.33 miles.

Three new streets have been constructed during the year, with a "tarviated" trap-rock surface, a length of 2,782 feet (0.50 mile), costing \$5,735.93, where betterment assessments have been levied on the abutting property amounting to \$3,363.01; the average cost of this construction being \$0.78 per square yard.

Two streets have been partially constructed, a length of 1,120 feet.

Eight streets have been re-macadamized or re-surfaced, a length of 7,548 feet (1.24 miles).

Lines and grades have been given for setting 14,194.2 linear feet (2.69 miles) of new edgestone, and the re-setting of 5,015.5 feet (0.95 mile) of old edgestone, and measurements taken for computing assessments.

2,396.6 square yards of new brick sidewalks and 5,390 square yards of granolithic and tar concrete sidewalks, including sidewalks laid by private parties, have been laid (2.24 miles in length), and 1,436.3 square yards of old brick sidewalks re-laid.

The average cost for the year of setting edgestone with gravel sidewalk has been \$1.01 per linear foot; for laying brick sidewalks, \$1.14 per square yard; and granolithic sidewalks, \$1.60 per square yard.

4,731.4 square yards of new paved gutters have been laid, and 426.9 square yards of new vitrified brick and granite crossings and driveways constructed; 950.4 square yards of old gutters, driveways, and crossings have been re-laid, all requiring lines, grades, and measurements. (See tables in this report for cost of new work, 1909, and total lengths of sidewalks and streets constructed in the city to date.)

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.

Streets Accepted as Public Highways in 1909, under the Betterment Act.

NAME OF STREET.	WARD.	FROM	To	Width in Feet.	Length in Feet.	Date of Acceptance.
Fremont ave. . . .	2	Bowdoin st. . . .	Lincoln park. . .	30	232	Dec. 24
Lovell st.	7	Broadway	Electric ave. . .	40	385	Dec. 10
Lowell st.	5	Albion st.	Vernon st.	40	867	Aug. 25
Mallet st.	7	Willow ave. . . .	Liberty ave. . . .	40	657	Dec. 3
Merriam st.	2	Somerville ave. .	Charlestown st. .	30	510	Sept. 10
Parker st.	2	Washington st. .	Fremont ave. . . .	35	203	Dec. 3
West st.	7	Highland ave. . .	Hawthorne st. . .	30	192	Dec. 3
Total . . . . .	..	. . . . .	(0.58 miles)	..	3,046	. . . . .

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	11.373
Ward six	12.447
Ward seven	16.021

Total length of public streets in the city . 74.737

Miles of Edgestone, Brick, Granolithic, and Gravel Sidewalks in Each Ward.

	Edgestone.	Brick and Granolithic Sidewalk.	Gravel Sidewalk.
Ward one	16.893	12.432	4.461
Ward two	13.799	6.091	7.708
Ward three	13.921	11.915	2.003
Ward four	13.819	10.524	3.295
Ward five	19.073	12.096	6.977
Ward six	21.649	15.750	5.899
Ward seven	21.430	12.284	9.770
Total miles in the city	120.584	*81.192	40.113

*Includes 11.88 miles granolithic and tar concrete walk,

Table Showing Sidewalks Constructed (not exceeding one-half cost assessed on abutters) and Paved Gutters Laid in Connection Therewith in 1909.

STREET.	WARD.	SIDE.	FROM	TO	Width of Sidewalk in Feet.	MATERIALS.		TOTAL COST.	PAVED GUTTERS.	
						Gravel and Edgestone. Lin. Ft.	Brick. Sq. Yds.		Sq. Yds.	Cost.
Alpine.....	5	Both.....	Cedar.....	Junc. Princeton and Alpine	5.00	1,329.4	.....	\$1,281.04	443.1	\$ 790.32
Ashland.....	6	Southeasterly.....	Summer.....	Sartwell avenue.....	5.00	.....	242.0	313.11	.....	.....
*Autumn.....	4	Both.....	Broadway.....	Bonair.....	3.00	.....	.....	368.97	.....	.....
Boston avenue....	6	Northeasterly.....	Broadway.....	Opp. Pritchard avenue....	11.00 } 8.33 }	622.6	.....	561.87	207.5	499.15
*Broadway.....	7	Northerly.....	Estate of Annie R. Bates.	.....	11 to 20	.....	154.50	244.81	.....	.....
*Campbell park....	7	Westerly.....	Meacham road.....	Kingston.....	6.67	.....	284.4	415.27	.....	.....
Cedar.....	6	Northwesterly.....	Lexington avenue.....	Morrison avenue.....	6.67	387.5	.....	415.95	129.2	233.31
*Chapel.....	7	Northeasterly.....	(Where not laid) and Chandler	st. easterly side at No. 19...	6.67	.....	244.0	470.66	.....	.....
Claremon.....	7	Easterly.....	Holland.....	Mead.....	6.67	564.9	.....	583.81	188.3	424.71
Curtis.....	7	Easterly.....	Broadway.....	Professors row.....	6.67	1,485.9	.....	1,545.77	495.3	1,012.27
Dana.....	4	Easterly.....	Everett avenue.....	Bonair.....	6.67	.....	272.0	320.1	.....	.....
Dimick.....	2	Both.....	Concord avenue.....	Calvin.....	6.67	1,722.6	.....	1,662.05	574.2	1,157.24
*Elm.....	7	Easterly.....	Willow avenue.....	Elston.....	10.00	Grano. 6.5 } Sod rem. } width.	296.3	473.97	.....	.....
Fenwick.....	5	Both.....	Broadway.....	Jaques (where not laid)....	6.67	954.9	.....	996.13	318.3	836.10
*Henry avenue....	6	Both.....	Highland avenue.....	Lexington avenue.....	6.67	.....	400.6	683.23	.....	.....
Highland avenue..	6	Southwesterly.....	Porter.....	Conwell.....	10.00	Brick 6.0 } Sod rem. } width.	136.8	185.37	.....	.....
*Highland avenue..	6	Southwesterly.....	Cherry.....	Southeasterly about 150 ft.	10.00	.....	144.9	217.35	.....	.....
*Medford.....	5	Northeasterly.....	Tennyson.....	Central.....	8.33	.....	186.2	286.95	.....	.....
Medford.....	4	Northeasterly.....	Walnut.....	R. R. Bridge.....	8.33	574.2	.....	550.39	191.4	} 953.43
Medford.....	4	Northeasterly.....	Walnut.....	Highland avenue.....	8.33	605.6	.....	602.05	201.9	
Medford.....	4	Northeasterly.....	Gilman square.....	R. R. Bridge (where not laid)	8.33	91.3	.....	88.01	30.4	} 536.74
Moore.....	7	Easterly.....	Holland.....	Mead.....	6.67	700.2	.....	687.15	233.4	
*Moore.....	7	Westerly.....	Holland.....	Mead.....	6.67	712.1	497.4	1,468.61	237.4	601.71
Packard avenue....	7	Easterly.....	Broadway.....	Professors row.....	10.00	1,621.5	.....	1,713.96	540.5	1,129.28
*Partridge avenue..	5	Westerly.....	Broadway.....	Medford.....	6.67	.....	318.3	555.33	.....	.....
Pearson avenue....	6	Both.....	Morrison avenue.....	Boston avenue.....	7.5	2,612.4	.....	2,671.17	870.8	1,824.41
*Sewall.....	4	Both.....	Grant.....	Temple.....	6.67	.....	812.70	1,126.74	.....	.....
Shawmut.....	1	Northeasterly.....	Estate of Mary Weeks.....	.....	6.67	.....	250.4	305.49	.....	.....
*Summer and Elm..	7	Northeasterly.....	Willow ave. to Cutter ave.	to Grove street.....	7.50 } 10.00 }	.....	909.9	1,253.26	.....	.....
Trull.....	5	Easterly.....	Medford.....	Vernon.....	6.67	.....	754.5	824.38	.....	.....
Walnut.....	4	Easterly.....	Estate of No. 91.....	.....	6.67	81.9	.....	110.87	27.3	} 175.58
Walnut.....	4	Easterly.....	Estate of No. 91.....	Highland avenue.....	6.67	127.2	.....	111.64	42.4	
Washington.....	2	Southerly.....	Fitchburg R. R.....	No. 330.....	10.00	.....	740.9	801.53	.....	.....
*Willow avenue....	7	Northwesterly.....	Morrison avenue.....	Appleton.....	8.33	Grano. 5.0 } Sod. rem. } width.	117.0	269.40	.....	.....
Totals.....						14,194.2	6,980.6	\$24,166.39	4,731.4	\$10,174.25

Total assessment, \$12,083.18. Net cost to city, \$12,083.21. Amount of edgestone and brick sidewalks, including granolithic and tar, in private streets
Totals: (Gravel sidewalks, 3.318 miles; brick, granolithic and tar sidewalks, 2.718 miles.)

*Denotes granolithic sidewalks.

Time	Temperature of Air	Temperature of Water	Temperature of Soil	Direction of Wind	Force of Wind	Direction of Current	Force of Current	Direction of Surface Current	Force of Surface Current	Direction of Bottom Current	Force of Bottom Current
8.00	65.0	62.0	60.0	SE	3	SE	1.5	SE	0.5	SE	0.2
8.30	65.5	62.5	60.5	SE	3	SE	1.5	SE	0.5	SE	0.2
9.00	66.0	63.0	61.0	SE	3	SE	1.5	SE	0.5	SE	0.2
9.30	66.5	63.5	61.5	SE	3	SE	1.5	SE	0.5	SE	0.2
10.00	67.0	64.0	62.0	SE	3	SE	1.5	SE	0.5	SE	0.2
10.30	67.5	64.5	62.5	SE	3	SE	1.5	SE	0.5	SE	0.2
11.00	68.0	65.0	63.0	SE	3	SE	1.5	SE	0.5	SE	0.2
11.30	68.5	65.5	63.5	SE	3	SE	1.5	SE	0.5	SE	0.2
12.00	69.0	66.0	64.0	SE	3	SE	1.5	SE	0.5	SE	0.2
12.30	69.5	66.5	64.5	SE	3	SE	1.5	SE	0.5	SE	0.2
1.00	70.0	67.0	65.0	SE	3	SE	1.5	SE	0.5	SE	0.2
1.30	70.5	67.5	65.5	SE	3	SE	1.5	SE	0.5	SE	0.2
2.00	71.0	68.0	66.0	SE	3	SE	1.5	SE	0.5	SE	0.2
2.30	71.5	68.5	66.5	SE	3	SE	1.5	SE	0.5	SE	0.2
3.00	72.0	69.0	67.0	SE	3	SE	1.5	SE	0.5	SE	0.2
3.30	72.5	69.5	67.5	SE	3	SE	1.5	SE	0.5	SE	0.2
4.00	73.0	70.0	68.0	SE	3	SE	1.5	SE	0.5	SE	0.2
4.30	73.5	70.5	68.5	SE	3	SE	1.5	SE	0.5	SE	0.2
5.00	74.0	71.0	69.0	SE	3	SE	1.5	SE	0.5	SE	0.2
5.30	74.5	71.5	69.5	SE	3	SE	1.5	SE	0.5	SE	0.2
6.00	75.0	72.0	70.0	SE	3	SE	1.5	SE	0.5	SE	0.2
6.30	75.5	72.5	70.5	SE	3	SE	1.5	SE	0.5	SE	0.2
7.00	76.0	73.0	71.0	SE	3	SE	1.5	SE	0.5	SE	0.2
7.30	76.5	73.5	71.5	SE	3	SE	1.5	SE	0.5	SE	0.2
8.00	77.0	74.0	72.0	SE	3	SE	1.5	SE	0.5	SE	0.2
8.30	77.5	74.5	72.5	SE	3	SE	1.5	SE	0.5	SE	0.2
9.00	78.0	75.0	73.0	SE	3	SE	1.5	SE	0.5	SE	0.2
9.30	78.5	75.5	73.5	SE	3	SE	1.5	SE	0.5	SE	0.2
10.00	79.0	76.0	74.0	SE	3	SE	1.5	SE	0.5	SE	0.2
10.30	79.5	76.5	74.5	SE	3	SE	1.5	SE	0.5	SE	0.2
11.00	80.0	77.0	75.0	SE	3	SE	1.5	SE	0.5	SE	0.2
11.30	80.5	77.5	75.5	SE	3	SE	1.5	SE	0.5	SE	0.2
12.00	81.0	78.0	76.0	SE	3	SE	1.5	SE	0.5	SE	0.2
12.30	81.5	78.5	76.5	SE	3	SE	1.5	SE	0.5	SE	0.2
1.00	82.0	79.0	77.0	SE	3	SE	1.5	SE	0.5	SE	0.2
1.30	82.5	79.5	77.5	SE	3	SE	1.5	SE	0.5	SE	0.2
2.00	83.0	80.0	78.0	SE	3	SE	1.5	SE	0.5	SE	0.2
2.30	83.5	80.5	78.5	SE	3	SE	1.5	SE	0.5	SE	0.2
3.00	84.0	81.0	79.0	SE	3	SE	1.5	SE	0.5	SE	0.2
3.30	84.5	81.5	79.5	SE	3	SE	1.5	SE	0.5	SE	0.2
4.00	85.0	82.0	80.0	SE	3	SE	1.5	SE	0.5	SE	0.2
4.30	85.5	82.5	80.5	SE	3	SE	1.5	SE	0.5	SE	0.2
5.00	86.0	83.0	81.0	SE	3	SE	1.5	SE	0.5	SE	0.2
5.30	86.5	83.5	81.5	SE	3	SE	1.5	SE	0.5	SE	0.2
6.00	87.0	84.0	82.0	SE	3	SE	1.5	SE	0.5	SE	0.2
6.30	87.5	84.5	82.5	SE	3	SE	1.5	SE	0.5	SE	0.2
7.00	88.0	85.0	83.0	SE	3	SE	1.5	SE	0.5	SE	0.2
7.30	88.5	85.5	83.5	SE	3	SE	1.5	SE	0.5	SE	0.2
8.00	89.0	86.0	84.0	SE	3	SE	1.5	SE	0.5	SE	0.2
8.30	89.5	86.5	84.5	SE	3	SE	1.5	SE	0.5	SE	0.2
9.00	90.0	87.0	85.0	SE	3	SE	1.5	SE	0.5	SE	0.2
9.30	90.5	87.5	85.5	SE	3	SE	1.5	SE	0.5	SE	0.2
10.00	91.0	88.0	86.0	SE	3	SE	1.5	SE	0.5	SE	0.2
10.30	91.5	88.5	86.5	SE	3	SE	1.5	SE	0.5	SE	0.2
11.00	92.0	89.0	87.0	SE	3	SE	1.5	SE	0.5	SE	0.2
11.30	92.5	89.5	87.5	SE	3	SE	1.5	SE	0.5	SE	0.2
12.00	93.0	90.0	88.0	SE	3	SE	1.5	SE	0.5	SE	0.2
12.30	93.5	90.5	88.5	SE	3	SE	1.5	SE	0.5	SE	0.2
1.00	94.0	91.0	89.0	SE	3	SE	1.5	SE	0.5	SE	0.2
1.30	94.5	91.5	89.5	SE	3	SE	1.5	SE	0.5	SE	0.2
2.00	95.0	92.0	90.0	SE	3	SE	1.5	SE	0.5	SE	0.2
2.30	95.5	92.5	90.5	SE	3	SE	1.5	SE	0.5	SE	0.2
3.00	96.0	93.0	91.0	SE	3	SE	1.5	SE	0.5	SE	0.2
3.30	96.5	93.5	91.5	SE	3	SE	1.5	SE	0.5	SE	0.2
4.00	97.0	94.0	92.0	SE	3	SE	1.5	SE	0.5	SE	0.2
4.30	97.5	94.5	92.5	SE	3	SE	1.5	SE	0.5	SE	0.2
5.00	98.0	95.0	93.0	SE	3	SE	1.5	SE	0.5	SE	0.2
5.30	98.5	95.5	93.5	SE	3	SE	1.5	SE	0.5	SE	0.2
6.00	99.0	96.0	94.0	SE	3	SE	1.5	SE	0.5	SE	0.2
6.30	99.5	96.5	94.5	SE	3	SE	1.5	SE	0.5	SE	0.2
7.00	100.0	97.0	95.0	SE	3	SE	1.5	SE	0.5	SE	0.2
7.30	100.5	97.5	95.5	SE	3	SE	1.5	SE	0.5	SE	0.2
8.00	101.0	98.0	96.0	SE	3	SE	1.5	SE	0.5	SE	0.2
8.30	101.5	98.5	96.5	SE	3	SE	1.5	SE	0.5	SE	0.2
9.00	102.0	99.0	97.0	SE	3	SE	1.5	SE	0.5	SE	0.2
9.30	102.5	99.5	97.5	SE	3	SE	1.5	SE	0.5	SE	0.2
10.00	103.0	100.0	98.0	SE	3	SE	1.5	SE	0.5	SE	0.2
10.30	103.5	100.5	98.5	SE	3	SE	1.5	SE	0.5	SE	0.2
11.00	104.0	101.0	99.0	SE	3	SE	1.5	SE	0.5	SE	0.2
11.30	104.5	101.5	99.5	SE	3	SE	1.5	SE	0.5	SE	0.2
12.00	105.0	102.0	100.0	SE	3	SE	1.5	SE	0.5	SE	0.2
12.30	105.5	102.5	100.5	SE	3	SE	1.5	SE	0.5	SE	0.2
1.00	106.0	103.0	101.0	SE	3	SE	1.5	SE	0.5	SE	0.2
1.30	106.5	103.5	101.5	SE	3	SE	1.5	SE	0.5	SE	0.2
2.00	107.0	104.0	102.0	SE	3	SE	1.5	SE	0.5	SE	0.2
2.30	107.5	104.5	102.5	SE	3	SE	1.5	SE	0.5	SE	0.2
3.00	108.0	105.0	103.0	SE	3	SE	1.5	SE	0.5	SE	0.2
3.30	108.5	105.5	103.5	SE	3	SE	1.5	SE	0.5	SE	0.2
4.00	109.0	106.0	104.0	SE	3	SE	1.5	SE	0.5	SE	0.2
4.30	109.5	106.5	104.5	SE	3	SE	1.5	SE	0.5	SE	0.2
5.00	110.0	107.0	105.0	SE	3	SE	1.5	SE	0.5	SE	0.2
5.30	110.5	107.5	105.5	SE	3	SE	1.5	SE	0.5	SE	0.2
6.00	111.0	108.0	106.0	SE	3	SE	1.5	SE	0.5	SE	0.2
6.30	111.5	108.5	106.5	SE	3	SE	1.5	SE	0.5	SE	0.2
7.00	112.0	109.0	107.0	SE	3	SE	1.5	SE	0.5	SE	0.2
7.30	112.5	109.5	107.5	SE	3	SE	1.5	SE	0.5	SE	0.2
8.00	113.0	110.0	108.0	SE	3	SE	1.5	SE	0.5	SE	0.2
8.30	113.5	110.5	108.5	SE	3	SE	1.5	SE	0.5	SE	0.2
9.00	114.0	111.0	109.0	SE	3	SE	1.5	SE	0.5	SE	0.2
9.30	114.5	111.5	109.5	SE	3	SE	1.5	SE	0.5	SE	0.2
10.00	115.0	112.0	110.0	SE	3	SE	1.5	SE	0.5	SE	0.2
10.30	115.5	112.5	110.5	SE	3	SE	1.5	SE	0.5	SE	0.2
11.00	116.0	113.0	111.0	SE	3	SE	1.5	SE	0.5	SE	0.2
11.30	116.5	113.5	111.5	SE	3	SE	1.5	SE	0.5	SE	0.2
12.00	117.0	114.0	112.0	SE	3	SE	1.5	SE	0.5	SE	0.2
12.30	117.5	114.5	112.5	SE	3	SE	1.5	SE	0.5	SE	0.2
1.00	118.0	115.0	113.0	SE	3	SE	1.5	SE	0.5	SE	0.2
1.30	118.5	115.5	113.5	SE	3	SE	1.5	SE	0.5	SE	0.2
2.00	119.0	116.0	114.0	SE	3	SE	1.5	SE	0.5	SE	0.2
2.30	119.5	116.5	114.5	SE	3	SE	1.5	SE	0.5	SE	0.2
3.00	120.0	117.0	115.0	SE	3	SE	1.5	SE	0.5	SE	0.2
3.30	120.5	117.5	115.5	SE	3	SE	1.5	SE	0.5	SE	0.2
4.00	121.0	118.0	116.0	SE	3	SE	1.5	SE	0.5	SE	0.2
4.30	121.5	118.5	116.5	SE	3	SE	1.5	SE	0.5	SE	0.2
5.00	122.0	119.0	117.0	SE	3	SE	1.5	SE	0.5	SE	0.2
5.30	122.5	119.5	117.5	SE	3	SE	1.5	SE	0.5	SE	0.2
6.00	123.0	120.0	118.0	SE	3	SE	1.5	SE	0.5	SE	0.2
6.30	123.5	120.5	118.5	SE	3	SE	1.5	SE	0.5	SE	0.2
7.00	124.0	121.0	119.0	SE	3	SE	1.5	SE	0.5	SE	0.2
7.30	124.5	121.5	119.5	SE	3	SE	1.5	SE	0.5	SE	0.2
8.00	125.0	122.0	120.0	SE	3	SE	1.5	SE	0.5	SE	0.2
8.30	125.5	122.5	120.5	SE	3	SE	1.5	SE	0.5	SE	0.2
9.00	126.0	123.0	121.0	SE	3	SE	1.5	SE	0.5	SE	0.2
9.30	126.5	123.5	121.5	SE	3	SE	1.5	SE	0.5	SE	0.2
10.00	127.0	124.0	122.0	SE	3	SE	1.5	SE	0.5	SE	0.2
10.30	127.5	124.5	122.5	SE	3	SE	1.5	SE	0.5	SE	0.2
11.00	128.0	125.0	123.0	SE	3	SE	1.5	SE	0.5	SE	0.2
11.30	128.5	125.5	123.5	SE	3						

Table of Street Construction.

	Square Yds.	Miles.
*Streets paved with granite blocks	75,382	3.04
Streets paved with "Hassam" pavement	36,802	1.80
Streets paved with asphalt	10,410	0.73
Streets paved with vitrified brick (Davis square)	5,640	0.20
Streets paved with "bitulithic"	14,689	0.88
Combination pavement (concrete base with bituminous top)		1.68
**Streets macadamized		66.05
Streets graveled or unimproved		20.55
<hr/> Total		<hr/> 94.93

*Also 31.9 miles (single track) electric railway, paved with granite, asphalt, "bitulithic."

**Includes 2.84 miles boulevard, and 1.17 miles state highway.

During the year the Engineering department has made plans and established grades for the acceptance, under the betterment act, of seven new public streets, a total length of 3,046 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 twelve other private streets, previously made, on file in the office that for various reasons are still unaccepted as public ways.

The total length of public streets in the city is 74.737 miles, and private streets, 21.190 miles.

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.

About 170 street lines and grades have been given by the department during the year for builders and private parties applying for established grades and lines in connection with the erection of buildings and fences and grading of property. Some order or ordinance should be adopted whereby parties on private streets shall have official grade indicated, so that any improvements made will conform to the established grade of the street when accepted by the city as a public way,

Stone monuments have been set 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. By setting these stone bounds or monuments, in Portland cement concrete, at the level of the surface of the ground, or flush with the surface of the sidewalk, they can be used as permanent "Bench Marks" throughout the city by establishing their exact elevations, and thereby being a great convenience and saving of time in giving grades, not only for the City Engineering department, but also for all other surveyors. In the report of 1907 a table was given compiled from 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.

Lines and grades have been given for the erection of new city buildings, and plans and sketches made for the laying out of the surrounding grounds.

Lines and grades have been given for laying 8,250 linear feet of new city water mains, varying in size from two inches to twelve inches in diameter. Two hundred and eleven new house services, forty-seven gates, thirty-four hydrants, seven water posts, and three blow-offs have been located and recorded, sketches and plans made showing the same, and the large water works map corrected to date, and a large number of old meters and services have been located and recorded.

A set of block plans should be made covering the entire city area from accurate surveys made during the past twenty-five years, and compared section by section with the deed dimensions and areas recorded in the Assessors' department, and in this manner the correct areas of land determined.

This set of plans would also be of value to the Water department and various other departments, and would more than pay for the cost of making; three of these sectional plans have already been made.

All plans of estates in Somerville recorded at the Registry of Deeds, East Cambridge, including land court plans, have been copied, titles examined, and 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; also 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 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 use of the city solicitor in court cases and hearings.

Plans have been made by the various companies and corporations, and filed in this office, showing the locations of 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.

The Boston Elevated Railway Company have extended their surface car tracks through Union street, connecting at Broadway and Mystic avenue, and 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, on Highland avenue the entire length, Medford street, between Highland avenue and Cross street, and Broadway, between Cross street and the Boston city line. Also, new rails have been laid on Broadway, between Clarendon avenue and North 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 in a number of cities throughout the state.

Bridges and Grade Crossing Work. After many years of litigation, the matter of constructing bridges over the main line and branch locations of the Boston & Maine Railroad, on the line of Lowell street, North Somerville, has been satisfactorily settled.

Early in the year the mayor, in a friendly interview with the president of the railroad company, came to an understanding whereby the street should be raised and bridges constructed over the tracks, the railroad company contributing \$15,000 toward the total expense of the contemplated work,

An act was passed by the Legislature April 16, 1909, authorizing the city of Somerville to construct bridges over the railroad tracks at Lowell street.

A plan was made for the laying out of this street between Albion and Vernon streets, including the bridges and approaches over the railroad tracks and land takings for slopes, etc., which was adopted by the board of aldermen August 25, 1909, and approved by the board of railroad commissioners.

The concrete abutments and retaining walls, bridge work, etc., within the railroad location are being constructed by the railroad company, and the approaches, raising of buildings, grading, street construction, and all other work outside the railroad location is being done by the city; this work, commenced late in the fall, has progressed rapidly, and will be completed in a short time, and the street opened for travel early in 1910.

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.

Following is the amount expended by the city in 1909 on this work:—

Filling and grading Lowell street, slopes, cellars, and yards, re-setting edgestones, etc.—labor, \$2,792; teaming, \$133.70; materials, \$751.39	\$3,677 09
Raising eight buildings to new grades,—labor, \$460; masonry work, \$2,223; carpenter work, \$445.97; plumbing and heating work, \$506.36; lumber, \$529.37,	4,164 70
Sewer changes,—manholes, drains, catch basins, etc.	436 58
Advertising, \$13; photographs, \$16.50; inspection and engineering, \$125	154 50
Total	\$8,432 87

The contract work has been continued during the past year on the abolition of the Somerville-avenue grade crossing (described in last year's report), and the large amount of work required for this alteration will be entirely completed within a few months.

The total cost of the work required to be done at this crossing will be apportioned as determined by the court, namely: The steam railroad companies, sixty-five per cent.; the street railway company, thirteen per cent.; the state, twelve per cent.; and the city, ten per cent.

The same special commission appointed by the court that determined what alterations should be made at the Somerville-

avenue crossing have reported their findings on other grade crossings of the Fitchburg railroad at Medford street, Webster avenue, Dane street, and Park street, and a decree will be issued by the court in accordance therewith.

The plans for abolishment of these crossings were described in the two 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.

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.

SEWER DEPARTMENT.

Sewers Construction Account.

STATEMENT OF EXPENSES, 1909.

Constructing "separate system" sewers (assessments levied) petitioned for	\$6,504 34	
Constructing "separate system" sewers (no assessments)	4,539 76	
Constructing "combined system" sewers (assessments levied) petitioned for	1,818 58	
Constructing "combined system" sewer (no assessment)	228 74	
Constructing storm drains	868 91	
Constructing fifty catch basins, street drainage	2,650 02	
Materials furnished sundry parties	237 15	
Sewer assessment of 1908 abated	28 80	
Sundry expenses, books and printing	31 50	
Materials on hand December 31, 1909	274 16	
		<hr/>
Total expenditure	\$17,181 96	
Transferred to Electrical department (underground construction)	1,500 00	
Transferred to Fire department (additional apparatus)	5,000 00	
Transferred to Highway department (paved gutters, etc.)	7,670 95	
Transferred for purchasing additional school land	5,000 00	
		<hr/>
Total debit		\$36,352 91

CREDIT.	
Balance unexpended December 31, 1908	\$10,832 03
Appropriation, 1909	30,000 00
Assessments levied, sewers constructed, 1909	7,903 94
Reserves on contracts, due 1910	622 80
Amounts received from other departments and companies	259 77
Materials on hand December 31, 1908	500 38
Total credit	\$50,118 92
Balance unexpended	\$13,766 01

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 drain pipe, cement, supplies, etc., for the season have been by contract with the lowest bidder, and at an unusually low rate.

A number of sewers have been constructed as petitioned for in different 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, 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.

Wherever these new sewers are 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, in the following localities:—

“Separate system” sewers in:—

Belknap street,—Broadway to Russell road.

Cedar street,—(east side) Elm street to Sartwell avenue.

Chetwynd road,—proposed street to near Curtis street.

Curtis avenue,—proposed street to near Curtis street.

Elm street,—(north side) Linden avenue to Cherry street, and (south side) opposite Cherry street to Mossland street.

Florence street,—(west side) Washington street to angle in street.

Hill street,—Broadway to near Fairmount avenue.

Powder House boulevard,—(south side) Leonard street to near Packard avenue.

Proposed street,—(West Somerville) Conwell avenue to Chetwynd road.

Walker street,—Leonard street to near Broadway.

“Combined system” sewers in:—

Acadia park,—Somerville avenue, easterly.

Ossipee road,—Packard avenue, easterly to proposed street.

Powder House boulevard,—(north side) Curtis street, southeasterly.

South street,—east of Emery street to east of Horace street.

Whitfield road,—Curtis street, southeasterly.

Storm drain in:—

Middlesex avenue,—(west side) Winthrop-avenue extension to Garfield avenue.

Summary of Work. Sixteen new sewers and drains have been constructed during the year, a total length of 8,965.6 linear feet (1.698 miles), at a cost of \$13,960.33; plans have been made showing these sewers in detail, and assessments levied on a portion of them, amounting to \$7,903.94. (See tabular statement of sewers and drains for 1909, showing itemized statement of work and cost.)

The total length of the city's drainage system is 100.266 miles, 25.79 miles being on the “separate system” and 6.566 miles of storm drains, and the entire cost of construction has amounted to about \$1,235,725, exclusive of the amount paid to the state for assessments for the construction of the North Metropolitan sewerage system.

Fifty new catch basins have been constructed in the highways during the year, at an average cost of \$53 per basin, mak-

ing a total of 1,565 basins in the city for street drainage purposes, constructed and maintained as follows:—

By the city (sewer department):—

Located in streets and subways	1,515	basins
Located in city boulevard	29	"
Located in parks (12), other city lots (9)	21	"
<hr/>		
Total catch basins constructed and maintained by city	1,565	
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 1,646

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 1909, completely closed 459 hours, partly closed 683 hours.

In previous years the following:—

Year 1908, completely closed 469 hours, partly closed 605 hours.					
" 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 \$34,969.15 on construction account and \$21,215.16 for maintenance, and the total amount paid the commonwealth of Massachusetts for this state sewer has been \$696,389.63 (1892-1909, 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 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 the Mystic river.

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 when the new dam is completed on the old site of Craigie bridge, this matter of improving the city's drainage system should be carried out.

The accompanying table shows an itemized cost of sewers constructed during 1909, and in the 1907 report tables are given showing sewers constructed on the "separate system"; storm drains constructed; size and materials of construction of the city's entire drainage system:—

Sewers Maintenance Account.

STATEMENT OF EXPENSES, 1909.

Maintenance of sewers, including cleaning and flushing (100.3 miles)	\$2,642 58	
Maintenance of catch basins, cleaning and flushing (1,565)	7,559 23	
Changing line and grade and repairing catch basins	471 33	
Changing line and grade and repairing manholes	32 27	
Repairing old sewers	179 05	
Inspection and location of house drains	328 19	
New tools and supplies	198 57	
Repairs of tools and property	79 29	
Sundry expenses, car fares, telephone, books, etc.	106 22	
Maintenance of sewer department yards and buildings	405 64	
Work and materials furnished other departments and companies	1,198 48	
Total debit		\$13,200 90
	CREDIT.	
Appropriation	\$12,000 00	
Amounts received from other departments and companies,—labor, materials furnished	1,184 66	
Received for old hose	45 84	
Total credit		\$13,230 50
Balance unexpended		\$29 60
Value of tools and property on hand used in maintenance of sewers		\$927 20

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 7,000 cubic yards of deposit have been removed from the catch basins and sewers during the year, and the average cost per mile for this cleaning and maintaining has amounted to \$103.50.

One hundred and fifteen catch basins and sixty-six man-holes 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-four permits have been issued to licensed drain layers for connecting buildings with the main sewers, thirty-eight being for repairs or alterations, all of the work being done under the supervision of the city's inspector.

There are to date about 14,114 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 has been required, furnishing materials and labor, and being reimbursed for the same to the amount of \$1,184.66.

There are a number of old private sewers 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.

PUBLIC GROUNDS DEPARTMENT.

At the present time there are nineteen separate parcels of land located in all parts of Somerville, used for parks and playgrounds, amounting to 66.4 acres, and also a boulevard about one and one-third miles in length maintained by the city; included in this total area are playgrounds where the land is owned by private parties and leased to the city, for use, in the following localities: On Winthrop avenue (Fellsway east), two and one-half acres; Knowlton street, one and one-half acres; the Broadway athletic field in West Somerville, 4.4 acres; and the cemetery lot, .7 acre.

An additional area of land, about one-quarter of an acre, situated on the northerly side of Broadway, opposite Simpson avenue, formerly known as the Walnut Hill schoolhouse lot, has been placed under the care of this department, by an order passed in the board of aldermen April 23, 1909.

TABULAR STATEMENT OF SEWERS BUILT IN 1909.

LOCATION.				ITEMS OF CONSTRUCTION AND COST.																						
NAME OF STREET.	FROM	TO	CONTRACTOR.	MATERIAL EXCAVATED.	Average Cut.	SEWER.		SUB-DRAIN.		Cubic yards Rock Excavation.	Price per cubic yard, Rock.	Manholes.	Average cost Manholes.	Inlets	PIPE SEWER, COST PER LINEAL FOOT.								Total cost.	Assessment*	Cost to City.	
						Size in inches.	Length in feet.	Size in inches.	Length in feet.						Excavating, Re-filling, and Pipe Laying.	Price, including Sub-drain where laid.	Inspection.	Miscellaneous.	Lumber.	Resurfacing Streets, Repaving Sidewalks, etc.	Average cost per lineal foot.					
																						Main Sewer.				Sub-drain.
Acadia Park	Somerville avenue	Easterly	Bartholomew Burke	Hardpan	7.7	10	276.6	.....	.....	.....	.....	1	\$33.10	11	\$0.45	.....	\$0.23	\$0.05	\$0.02	.....	.....	\$0.89	\$246.70	\$245.10	\$1.60
*Belnap street	Broadway	Russell road	Wm. J. McCarthy Co.	Hardpan and rock	7.2	8	501.4	.....	.....	29.5	\$4.00	1	39.86	36	0.55	.....	0.20	0.04	0.02	.....	.....	1.12	562.28	561.50	0.78
*Cedar street (easterly side)	Elm street	Sartwell avenue	James Fannon	Hardpan and clay	8.4	8	225.0	.....	.....	.....	.....	1	47.10	9	0.65	.....	0.23	0.14	0.10	\$0.01	.....	1.54	864.98	.....	864.38
*Elm street (northerly side)	Linden avenue	Cedar street	James Fannon	Clay	11.3	10	336.0	.....	.....	.....	.....	1	47.10	13	1.05	.....									
(Southerly side)	Cedar street	Cherry street	James Fannon	Clay	14.2	12	409.4	.....	.....	8.0	4.00	1	58.17	13	1.30	.....	0.24	0.14	0.02	.....	.....	1.91	3,034.46	.....	3,034.46
	Opp. Cherry street	Mossland street	James Fannon	Clay	13.9	10	587.9	.....	.....	.....	.....	2	58.17	19	1.40	.....									
*Florence street (westerly side)	Washington st.	Near angle	Timothy F. Crimmings	Clay	9.7	8	594.7	.....	.....	.....	.....	3	58.17	20	1.10	.....	0.21	0.12	0.02	.....	\$0.33	1.42	640.92	.....	640.92
*Hill street	Broadway	Near Fairmount avenue	Timothy F. Crimmings	Hardpan and rock	7.2	8	450.1	.....	.....	2.0	4.00	1	41.24	17	0.63	.....									
†Middlesex ave. (westerly side)	Winthrop ave. extension	Garfield ave.	Day labor	Filling	6.1	8	212.2	.....	.....	46.0	2.45	1	39.60	14	0.40	.....	0.17	0.06	0.04	.....	.....	1.39	294.82	293.55	1.27
Ossipee road, east	Packard avenue	Proposed street	Timothy F. Crimmings	Hardpan and rock	5.7	12	535.0	.....	.....	.....	.....	.....	.....	4	0.63	.....	.....	.....	.....	.....	.....	1.62	868.91	.....	868.91
					6.7	10	380.1	.....	.....	.....	.....	.....	.....	26	0.40	.....	0.22	0.06	0.02	.....	.....	1.23	843.85	841.18	2.67
					8.7	8	306.2	.....	.....	106.0	2.50	2	41.60	24	0.45	.....									
Powder House Blvd. (north'ly side)	End of sewer built 1902	Curtis street	Day labor	Hardpan	6.2	8	207.0	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1.11	228.74	.....	228.74
*Powder House Blvd. (south'ly side)	Leonard street	Near Packard avenue	Timothy F. Crimmings	Hardpan and rock	6.8	8	1,099.5	5	919.0	299.1	2.40	5	40.01	42	0.38	0.20	0.18	0.07	.....	.....	.....	1.63	1,794.54	1,592.95	201.59
*Proposed street	Conwell avenue	Chetwynd road	Bartholomew Burke	Hardpan and rock	8.6	8	439.2	.....	.....	99.5	2.70	3	37.54	27	0.48	.....	0.18	0.05	0.01	.....	.....	2.05	3,367.53	3,241.74	125.79
*Curtis avenue and	Proposed street	Near Curtis street	Bartholomew Burke	Hardpan and rock	7.9	8	622.0	.....	.....	234.0	2.70	3	37.54	45	0.42	.....									
*Chetwynd road	Proposed street	Near Curtis street	Bartholomew Burke	Hardpan and rock	7.3	8	618.5	364.5	2.70	3	37.54	50	0.45
South street	End of sewer built 1876	End of sewer built 1872	Day labor	Filling	8.0	12	159.2	.....	.....	.....	.....	1	32.05	11	0.85	.....	0.43	0.16	.....	.....	.....	1.65	262.30	178.31	83.99
*Walker street	Leonard street	Near Broadway	Bartholomew Burke	Sand and filling	5.7	8	648.0	.....	.....	3.5	4.00	4	32.10	51	0.30	.....	0.19	0.04	.....	.....	.....	0.75	485.17	484.75	0.42
Whitfield road	Curtis street	S'e'ly to old sewer	Timothy F. Crimmings	Hardpan and rock	7.3	8	357.6	.....	.....	65.6	2.50	1	45.62	20	0.43	.....	0.19	0.09	.....	.....	.....	1.30	465.73	464.86	0.87

Total length and cost of new sewers and drains built in 1909, 8,965.6 (1,698 miles.) \$13,960.33 \$7,903.94 \$6,056.39

* Separate system sewers.
 † Storm drain. Cost includes two catch basins.

Total length of public sewers in the city, January 1, 1910 459,989.1 feet.
 Total length of private sewers in the city, January 1, 1910 34,748.0 feet.

Total length of sewers in the city, January 1, 1910 494,737.1 feet, or 93.700 miles. (25.790 miles separate system.)
 Total length of storm drains in the city, January 1, 1910 34,665.3 feet, or 6.566 miles.

Total length of the city drainage system, January 1, 1910 100.266 miles.
 Total length of Met. sewerage system mains running through the city 3.368 miles.

APPENDIX

No.	Name	Age	Place of Birth
1	John Smith	25	New York
2	James Brown	30	Massachusetts
3	William Jones	28	Pennsylvania
4	Robert Taylor	35	Virginia
5	Thomas White	22	North Carolina
6	Charles Black	32	South Carolina
7	George Green	27	Georgia
8	Edward King	38	Florida
9	Richard Hill	24	Alabama
10	Samuel Adams	33	Mississippi
11	Benjamin Franklin	29	Louisiana
12	Francis Pickens	37	Arkansas
13	Jefferson Davis	26	Mississippi
14	Andrew Johnson	34	Tennessee
15	Ulysses S. Grant	31	Ohio
16	Philip Sheridan	28	West Virginia
17	George Meade	36	Pennsylvania
18	John Bull	23	England
19	John Bull	23	England
20	John Bull	23	England
21	John Bull	23	England
22	John Bull	23	England
23	John Bull	23	England
24	John Bull	23	England
25	John Bull	23	England
26	John Bull	23	England
27	John Bull	23	England
28	John Bull	23	England
29	John Bull	23	England
30	John Bull	23	England

THE END OF THE APPENDIX

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.

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.

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.

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, and supervisors employed when necessary.

Permanent shelters, constructed of reinforced concrete, should be erected on several of the play fields, in place of some of the old wooden structures now existing.

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.

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, inasmuch as the best and only enclosed field at present in the city is maintained on leased land, belonging to the trustees of Tufts College, which in a short time will not be available for the city's use; the lease expires July 1, 1911, or sooner, if the college authorities so desire. Notice of such termination has been received, accompanied by

a plan showing the field laid out into streets and building lots, but no definite action has been taken as yet.

A plan has been made recently showing the lay-out of a new proposed field where all kinds of athletic contests could be held, and could be constructed in a term of years, a portion at a time, without handicapping the finances of the city in the least. The location of this proposed field is in the north-westerly section of the city bordering Alewife brook and the Powder House boulevard, including an area of about ten acres, and negotiations are pending with the Metropolitan park commission whereby this area may be transferred to the city, permanently, for recreation purposes.

About three and one-half acres have already been graded, and the state has continued the straightening and widening of the brook the past year, the part bordering this city being nearly completed, and with the extension of the boulevard along the banks, the improvement of a large area of low land in this section of the city will enhance the value of surrounding property.

An area owned by the city, and known as the Collins and Ham ledge property, located on Clarendon hill, near the Cambridge boundary line, might be developed in the future into a pretty pleasure park, similar in nature to the Powder House park; also, the Holland-street 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 recreation purposes.

With all of these various parcels of land referred to properly developed in the future as parks, playgrounds, and resting places, the city will be amply provided in this line, and second to none in the state.

Early in the year a Playgrounds Association was formed in the city, and funds contributed by citizens and a sum of \$1,000 set aside by the city from the public grounds appropriation for the special equipment of grounds and supervision of play fields.

Certain areas were used on the city's parks, playgrounds, and schoolyards, which were equipped with swings, sand boxes, and various kinds of gymnastic apparatus, and supervisors employed during the summer months.

Many children enjoyed themselves at these outdoor kindergarten schools, while the larger boys were instructed in baseball, basket ball, and other games, and in the use of gymnastic

apparatus, teams being formed and athletic competitions held between the various teams.

"Tarvia" has been applied on the macadam surface of a portion of Powder House boulevard, where the roadway has been badly worn, caused by the large amount of automobile travel, and this work should be continued until the entire length and width of this driveway has been put in a satisfactory condition; the roadway on Prospect Hill park has received similar treatment, and is in excellent condition.

At Lincoln park a new fence has been built on the Washington-street approach to the Fitchburg railroad, by the railroad company, and the city has constructed a brick sidewalk along this side of the park.

On Central Hill park the soldiers' memorial has been completed and an old walk widened, re-constructed, and extended, making a passageway through the centre of the park its entire length, having several connections with Highland avenue.

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.

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, 298 games being provided for by schedule the past year.

The city has received from the Somerville High School Association a portion of the cost of maintaining the enclosed athletic field, amounting to \$352.15 for 1909; 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 1909 amounted to \$16,176.28 on construction account, and \$15,463.16 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 \$4,895.16 on construction account, and \$841.92 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, be-

sides the proportional part of the Metropolitan park district assessment. The total of the above assessments amounts to \$37,376.52, being Somerville's proportional payment to the state on account of the Metropolitan park system for the year 1909.

The total assessment paid to the state for parks and boulevards amounts to \$269,401.46 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.

Maintenance Account (Public Grounds).

STATEMENT OF EXPENSES, 1909.

Broadway Park (15.9 acres):—

Maintenance of grounds and general care of property, labor and teams	\$1,099 07
Trimming and spraying trees	394 00
Tools and supplies	45 08
Repairing tools and property	81 24
Plants, flowers, bulbs, etc.	187 65

1,807 04

Broadway Parkway (2.0 acres, Grant street to Boston line):—

Maintenance of grounds, labor and teams,	\$174 00
Plants, flowers, etc.	117 33

291 33

Central Hill Park (13.1 acres):—

Maintenance of grounds and general care of property, labor and teams	\$1,375 69
Re-constructing and extending walks and driveways	596 33
Alterations and repairs of steps	147 05
Repairing fountain	166 35
Tools and supplies	26 57
Repairing tools and property	22 34
Plants, flowers, bulbs, trees, and shrubs,	423 80

2,758 13

Prospect Hill Park (2.6 acres):—

Maintenance of grounds and observation tower, labor and teams	\$701 20
Improvement of roadway with "tarvia" .	113 62
Tools and supplies	41 79
Repairing tools and property	28 94

885 55

Lincoln Park (8.3 acres):—

Maintenance of grounds and general care of property, labor and teams	\$1,086 02
Tools and supplies	50 05
Repairing tools and property	113 89
Plants, flowers, bulbs, etc.	131 50

1,381 46

Tufts Park (4.5 acres):—

Maintenance of grounds and general care of property, labor and teams	\$679 58
Tools and supplies	19 96
Repairing tools and property	11 77
Plants, flowers, bulbs, etc.	143 23
	<hr/>

854 54

Paul Revere Park:—

Maintenance of grounds, labor	\$11 00
Building foundation for tablet presented to city	32 94
	<hr/>

43 94

Broadway Athletic Field, Tufts College land
(4.4 acres leased):—

Maintenance of grounds and care of prop- erty, labor and teams	\$748 40
Tools and supplies	24 70
Repairing property, fence, seats, and building	154 01
	<hr/>

927 11

Playground, Winthrop avenue (Fellsway
east) (2.5 acres leased):—

Maintenance of grounds, labor and teams	38 80
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Playground, Glen street, corner Oliver
street (0.9 acre + 1.5 acres leased):—

Maintenance of grounds, labor and teams,	\$145 65
Supplies	4 20
	<hr/>

149 85

Playground, Poplar street, corner Joy street
(0.4 acre):—

Maintenance of grounds, labor and teams	29 45
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Playground, Webster avenue, near Cam-
bridge line (0.2 acre):—

Maintenance of grounds, labor	5 00
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Playground, Beacon street, near Washing-
ton street (0.2 acre):—

Maintenance of grounds, labor and teams	34 94
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Playground, Somerville avenue, corner
Kent street (0.8 acre):—

Maintenance of grounds, labor and teams,	\$206 54
Supplies	18 75
	<hr/>

225 29

Playground, Belmont street, near Summer
street (0.4 acre):—

Maintenance of grounds, labor and teams,	\$87 60
Supplies	4 50
Plants, flowers, bulbs, etc.	10 00
	<hr/>

102 10

Playground, Broadway, corner Cedar street
(4.2 acres):—

Maintenance of grounds, labor and teams,	\$376 28
Supplies	19 25
	<hr/>

395 53

Playground, Broadway, opposite Simpson avenue (0.3 acre):—			
Maintenance of grounds, labor			10 00
Proposed New Athletic Field, located between Powder House boulevard and Alewife brook, near West Medford line (3.5 acres):—			
Maintenance of grounds, labor			5 00
Cemetery, Somerville avenue (0.7 acre):—			
Maintenance of grounds, labor and teams			126 55
Powder House Boulevard (1 1-3 miles long):—			
Maintenance of roadway, walks, and grass plots, labor and teams		\$619 92	
Improvement of roadway with "tarvia"		487 02	
			<u>1,106 94</u>
Incidentals			62 40
Special Equipment and Instruction on Playgrounds, 1909:—			
20 new sand boxes, 30 additional swings, 2 additional horizontal bars, 2 additional pairs parallel bars, 2 additional pairs basket ball goals, hammocks, balls, and other supplies		\$706 05	
Special supervision and instruction (9 weeks)		297 00	
			<u>1,003 05</u>
Total expenditure, maintenance (66.4 acres) 57.3 acres city property + 8.4 acres leased land, 0.7 acre cemetery and 1.36 miles boulevard, and 0.54 miles parkway—roads			<u>\$12,244 00</u>

CREDIT.

Appropriation	\$11,750 00	
Received from High School Athletic Association, repairing seats and fence, 1909, and special maintenance of field for high school games	352 15	
Received from other departments for sod and materials	110 69	
Received from Boston Elevated Railway Company, partial maintenance Broadway parkway, 1908	50 00	
Total credit		<u>\$12,262 84</u>
Balance unexpended		\$18 84
Value of tools and property used in maintenance of grounds		\$1,500 00

APPENDED TABLE.

Following this report is a table giving names of all streets in the city, public and private, lengths, widths, and the total mileage; in the 1901 report a table was given showing the location and names of public squares in the city, and in the 1898 report old names of certain streets as formerly known.

Respectfully submitted,

ERNEST W. BAILEY,

City Engineer.

TABLE SHOWING THE LOCATION, LENGTH AND WIDTH OF PUBLIC AND PRIVATE STREETS.

STREET.	FROM	To	Public or Private.	Width in Feet.	LENGTH.	
					Public.	Private.
Abdell pl.	Somerville ave.	Southwesterly	Private.	25	....	203
Aberdeen road	Cedar st.	Highland ave.	Private.	40	....	411
Aberdeen road ext.	Angle	Westerly	Private.	30	....	67
Acadia pk.	Somerville ave.	Northeasterly	Private.	40	....	256
Adams	Broadway	Medford st.	Public.	40	907	....
Addison pl.	Somerville ave.	Southwesterly	Private.	20	....	150
Adelaide rd.	Somerville ave.	Easterly	Private.	20	....	138
Adrian	Marion st.	Joseph st.	Public.	40	579	....
Albion pl.	Albion st.	Northeasterly	Private.	10	....	166
Albion ct.	Albion st.	Southwesterly	Private.	16	....	116
Albion	Central st.	Cedar st.	Public.	40	2,742	....
Albion	Broadway	Medford line	Private.	50	....	100
Albion ter.	Albion st.	Southwesterly	Private.	25	....	100
Aldersey	Walnut st.	Vinal ave.	Public.	40	508	....
Aldrich	Pearl st.	B. & L. R. R.	Public.	40	611	....
Alfred	Broadway	Medford line	Private.	50	....	50
Allen	Somerville ave.	Charlestown st.	Private.	25	....	680
Allen ct.	Park st.	Northwesterly	Private.	20	....	150
Alpine	Cedar st.	Southeasterly	Public.	30	667	....
Alpine	Alpine st.	Lowell st.	Public.	40	688	....
Alston	Cross st.	Shawmut pl.	Public.	40	567	....
Ames	Bartlett st.	Robinson st.	Public.	40	580	....
Appleton	Willow ave.	Clifton st.	Public.	40	548	....
Appleton	Clifton st.	Liberty ave.	Public.	40	120	....
Arlington	Franklin st.	Lincoln st.	Public.	40	452	....
Arnold ave.	Porter st.	Southeasterly	Private.	15	....	127
Arnold ct.	Beacon st.	Northeasterly	Private.	10	....	115
Arthur ct.	Linden st.	Easterly	Private.	about 10	....	100
Arthur	Broadway	Bonair st.	Public.	40	438	....
Ash ave.	Meacham st.	East Albion st.	Public.	40	554	....
Ash ave.	East Albion st.	Northeasterly	Private.	49	....	151
Ashland	Summer st.	Sartwell ave.	Public.	30	478	....
Atherton	Central st.	Beech st.	Public.	40	264	....
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.	Spring st.	Public.	40	800	....
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	....	290
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.	29	....	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
Blanchery 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.	Highway	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 in st. south'y	Morrison ave.	Private.	40	....	1,025
Boston	Washington st.	Prospect Hill ave.	Public.	45	640	....
Boston	Prospect Hill av.	Walnut st.	Public.	40	1,242	....
Bow	Union sq.	Wesley sq.	Public.	60	658	....
Bow	Wesley sq.	Somerville ave.	Public.	50	570	....
Bowdoin	Washington st.	Lincoln park	Public.	40	341	....
Bowers ave.	Cottage ave.	Elm st.	Private.	24	....	288
Bow St. pl.	Bow st.	Northwesterly	Private.	40	....	300
Bradford ave.	School st.	Southeasterly	Private.	40	....	150
Bradley	Pearl st.	Walter st.	Public.	40	762	....
Brastow ave.	Lowell st.	Porter st.	Public.	40	686	....
Bristol road	Broadway	Medford line	Private.	40	....	98
Broadway	Charlestown line	Cross st.	Public.	100	2,590	....
Broadway	Cross st.	Marshall st.	Public.	100 to 200	2,060	....
Broadway	Marshall st.	Main st.	Public.	100	1,570	....
Broadway	Main st.	Top of hill	Public.	100 to 90	1,030	....
Broadway	Top of hill	Albion st.	Public.	90	2,540	....
Broadway	Albion st.	Willow ave.	Public.	90 to 70	1,030	....
Broadway	Willow ave.	Paulina st.	Public.	70	3,250	....
Broadway	Paulina st.	Arlington line	Public.	65-60-65	3,220	....
Broadway pl.	Broadway	Southwesterly	Private.	22	....	250
Bromfield road	Warner st.	Dearborn road	Public.	40	1,262	....
Brook	Glen st.	Cross st.	Public.	40	504	....
Browning road	Sycamore st.	Central st.	Public.	40	679	....
Buckingham	Beacon st.	Dimick st.	Public.	40	292	....
Buena Vista rd.	Holland st.	Arlington Br. R. R.	Private.	30	....	275
Burnside ave.	Elm st.	Summer st.	Public.	40	720	....
Cady av.	Simpson ave.	Northwesterly	Private.	40	....	194
Caldwell ave.	Washington st.	Southerly	Private.	20	....	210
Calvin	Beacon st.	Dimick st.	Public.	40	263	....
Calvin	Dimick st.	Washington st.	Public.	30	392	....
Cambria	Central st.	Benton road	Public.	40	488	....
Cameron ave.	Holland st.	Cambridge line	Public.	60	1,065	....
Campbell pk.	Meacham rd.	Kingston st.	Public.	40	399	....
Campbell Pk. pl.	Kingston st.	Arlington Br. R. R.	Private.	20	....	84
Carlton	Somerville ave.	Lake st.	Public.	40	300	....
Carver	Porter st.	Northwesterly	Private.	40	....	156
Cedar ave.	Cedar st.	Linden ave.	Private.	22	....	290
Cedar ct.	Cedar st.	Southeasterly	Private.	15+	....	70+
Cedar St. pl.	Murdock st.	Southwesterly	Private.	20	....	220
Cedar St. pl.	Cedar n'r Elm st.	Southeasterly	Private.	12+	....	80+
Cedar	Elm st.	Broadway	Public.	40	4,137	....
Central	Somerville ave.	Summer st.	Public.	33	1,043	....
Central	Summer st.	Medford st.	Public.	40	2,539	....
Central	Medford st.	Broadway	Public.	45	1,079	....
Centre	Albion st.	B. & L. R. R.	Private.	35	....	200
Chandler	Park ave.	Broadway	Public.	40	1,232	....
Chapel	College ave.	Chandler st.	Public.	40	273	....
Chapel ct.	Sycamore st.	Northwesterly	Private.	12	....	130
Charles	Washington st.	Southerly	Public.	30	166	....
Charlestown	Allen st.	Easterly	Private.	15	....	400
Charnwood road	Willow ave.	Hancock st.	Public.	40	589	....
*Chelsea	Mystic ave.	Melrose st.	Private.	50	....	1,390
Cherry	Elm st.	Highland ave.	Public.	45	1,450	....
Chester	Elm st.	Cambridge line	Public.	40	885	....
Chester ave.	Medford st.	Angle	Public.	about 22	220	....
Chester ave.	Angle	Cross st.	Private.	20	....	445

*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 pl. . . .	Chester st. . . .	Northwesterly . . .	Private.	40	....	200
Chestnut	Poplar st. . . .	Southeasterly . . .	Public.	40	537	....
Chetwynd rd. . .	Curtis st. . . .	Proposed st. . . .	Private.	40	....	656
Church	Summer st. . . .	Lake st.	Public.	40	964	....
City road	Broadway	Cedar st.	Private.	45	....	980
Claremont	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 rd. . .	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	....	93
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	....
Dynamo	Willow ave.	Whipple st.	Private.	30	....	255

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.	
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.	Curtis st.	Packard ave.	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	Private.	40	....	700
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.	3+	232	....
Fremont	Main st.	Meacham st.	Public.	40	612	....
Fremont	Meacham st.	Near Mystic ave. . . .	Private.	40	....	785
Garden ct.	Somerville ave.	Fitchburg R. R. . . .	Private.	25	....	370

*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.
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	Elm st.	Highland ave. . . .	Public.	40	1,349	....
Hancock	Highland ave. . .	Lexington ave. . . .	Public.	50	376	....
Hanson ave.	Hanson st.	Easterly	Private.	30	....	252
Hanson	Washington st. . .	Skehan st.	Public.	30	469	....
Hanson	Skehan st.	Vine st.	Public.	35	347	....
Harding	South st.	Cambridge line . . .	Private.	30	....	115
Harold	Dimick st.	Marion st.	Private.	40	....	317
Harrison	Ivaloo st.	Kent st.	Public.	40	644	....
Harrison	Elmwood st. . . .	Southeasterly . . .	Private.	40	....	210
Harvard pl.	Harvard st.	Westerly	Private.	35	....	200
Harvard	Summer st.	Beech st.	Public.	40	717	....
Hathorn	Broadway	Arlington st.	Public.	40	339	....
Hawkins	Somerville ave. . .	Washington st. . . .	Public.	40	330	....
Hawthorne	Willow ave. . . .	Cutter ave.	Public.	30	807	....
Hayden ter.	Linden ave. . . .	Easterly	Private.	20	....	120
Heath	Temple st.	Bond st.	Public.	45	1,043	....
Heath	Bond st.	Mt. Vernon ave. . . .	Private.	40	....	386
Heath	Mt. Vernon ave. .	Moreland st.	Public.	40	364	....
Henderson	Richardson st. . .	B. & L. R. R. . . .	Private.	20	....	535
Hennessy ct.	Medford st. . . .	Fisk ave.	Private.	20	....	250
Henrietta ct.	Somerville ave. . .	Northerly	Private.	8 and 20.	....	161
Henry ave.	Highland ave. . .	Lexington ave. . . .	Public.	40	290	....
Herbert	Chester st. . . .	Day st.	Public.	40	337	....
Hersey	Berkeley st. . . .	Oxford st.	Private.	40	....	230
Highland ave.	Medford st. . . .	Davis sq.	Public.	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. . . .	Private.	40	....	236
Hillside ave.	Pearl st.	Southwesterly . . .	Private.	30	....	150
Hillside cir.	Craigie st.	Westerly	Private.	16	....	151
Hillside pk.	Walnut st.	Northwesterly . . .	Public.	40	196	....
Hinckley	Broadway	Richardson st. . . .	Public.	30 and 35	579	....
Hodgdon pl.	Dane ave.	Northeasterly . . .	Private.	about 20	....	150

*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.
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 river	Private.	40	....	742
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
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	Richardson st	B. & L. R. R. . . .	Private.	35	....	500
Lawrence rd. . . .	Medford line	Mystic river	Private.	40	....	820
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	....
Liberty ave. . . .	Broadway	Hall ave. . . .	Public.	40	1,395	....
Liberty ave. . . .	Hall ave. . . .	Appleton st. . . .	Public.	40	98	....

*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 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. . . .	Dinnick 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
McCulphre 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	....
Morrison ave. . . .	Willow ave. . . .	College ave. . . .	Public.	40	1,690	....
Morrison pl. . . .	Morrison ave. . . .	Northerly	Private.	20	....	190

*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 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.	49	336	....
**Mystic riv. blvd. . . .	Medford line	Arlington line	Private.	60	....	2,000
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	1,035	....
Orchard	Cambridge line	Meacham road	Public.	40	1,567	....
Osgood	Granite st. . . .	Easterly & west'ly	Private.	40	....	450
Ossipee road	Packard ave. . . .	Curtis st. . . .	Public.	40	682	....
Ossipee rd. (east)	Packard ave. . . .	Proposed st. . . .	Private.	40	....	633
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
Park pl. . . .	Park pl. . . .	Northeasterly	Private.	20	....	150
Park	Somerville ave. . . .	Beacon st. . . .	Public.	50	1,238	....

*Proposed.

**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.
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.	Private.	40	....	775
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.	Private.	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
Robinson	Central st.	Bartlett st.	Public.	40	582	....
Rogers ave.	Morrison ave. . . .	Boston ave.	Public.	45	1,682	....

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.
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
Taunton. . . .	Wyatt st. . . .	Easterly to angle	Private.	30	....	170
Taunton	Angle	Marion st. . . .	Private.	20	....	95

*Proposed.

Table Showing the Location, Length and Width of Public and Private Streets. — Continued.

STREET.	FROM	To	Public or Private.	Width in Feet.	LENGTH.	
					Public.	Private.
Taylor 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	....
Unnamed st. . . .	Ware st. . . .	Powder h'se blvd.	Private.	20-40	....	283
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	Private.	40	....	1,036
Villa ave. . . .	Winslow ave. . . .	Arlington Br. R. R.	Private.	35	....	200
Village	Dane st. . . .	Vine st. . . .	Private.	25	....	370
Vinal ave. . . .	Summer st. . . .	Highland ave. . . .	Public.	45	1,425	....
Vinal	Richardson st. . . .	Northeasterly	Private.	20	....	200
Vine ct. . . .	Vine st. . . .	Northwesterly	Private.	25	....	140
Vine	Somerville ave. . . .	Hanson st. . . .	Private.	40	....	780
Vine	Hanson st. . . .	Beacon st. . . .	Public.	30	662	....
Virginia	Aldrich st. . . .	Jasper st. . . .	Public.	40	405	....
Wade ct. . . .	Cedar st. . . .	Westerly	Private.	20	....	180
Waldo ave. . . .	Beacon st. . . .	Dimick st. . . .	Private.	40	....	277
Waldo	Highland ave. . . .	Hudson st. . . .	Public.	40	287	....
Walker st. . . .	Broadway	Leonard st. . . .	Private.	40	....	713
Wallace	Holland st. . . .	Broadway	Public.	40	1,342	....
Walnut	Bow st. . . .	Broadway	Public.	40	3,948	....
Walnut road	Walnut st. . . .	Kenneson road	Private.	40	....	270
Walter pl. . . .	Walter st. . . .	Southwesterly	Private.	40	....	222
Walter	Walnut st. . . .	{ about 100 ft. N. } { of Bradley st. }	Public.	40	548	....
Ward	Medford st. . . .	Emery st. . . .	Private.	30	....	450
Ware	Curtis st. . . .	Dow st. . . .	Private.	40	....	680
Warner	Powder House sq.	Medford line	Public.	60	500	....
Warren ave. . . .	Union sq. . . .	Columbus ave. . . .	Public.	40	663	....
Warren	Medford st. . . .	Cambridge line	Public.	30 to 40	109	....
Warwick place	Warwick st. . . .	Northeasterly	Private.	15	....	150
Warwick	Cedar st. . . .	Warwick pl. . . .	Public.	40	665	....
Washington ave. . . .	Washington st. . . .	Northerly	Private.	18	....	350
Washington pl. . . .	Washington st. . . .	Southerly	Private.	about 7.5	....	114
Washington	Charlest'n line	Franklin ave. . . .	Public.	75	1,060	....
Washington	Franklin ave. . . .	Fitchburg R. R. . . .	Public.	60 to 100	3,977	....
Washington	Fitchburg R. R. . . .	Cambridge line	Public.	60	2,344	....
Water	South st. . . .	Northerly	Private.	25	....	250
Waterhouse	Broadway	Cambridge line	Private.	40	....	986
Watson	Broadway	Fairmount ave. . . .	Private.	40	....	236
Waverly	Washington st. . . .	Roland st. . . .	Private.	35	....	200
Webster ave. . . .	Union sq. . . .	Cambridge line	Public.	49.5	1,955	....

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	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	Broadway	Heath st.	Private.	30	....	250
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
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.	Private.	40	....	583
Woodbine	Centre st.	Lowell st.	Private.	30	....	600
*Woods ave.	North st.	Alewife brook	Private.	40	....	1,350
Woodstock	Victoria st.	Alewife brook	Private.	40	....	415
*Woodstock (Extension.)	Victoria st.	Tannery st. (Ext'n.)	Private.	40	....	920
Wyatt circle	Wyatt st.	Wyatt st.	Private.	20	....	315
Wyatt	Concord ave. . . .	Lincoln parkway . . .	Public.	40	496	....
Yorktown	Cambridge line . .	{ N. E. line Mal- } vern ave. }	Public.	40	294	....
Yorktown	{ N. E. line } { Malvern ave. }	Northerly	Private.	40	....	100

*Proposed. †Sidewalk in Somerville.

Court	11 Albion st. . . .	Northeasterly	Private.	9	....	170
Court	21Albion 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 . . . . .	. . . . .	. . . . .	. . . . .	. . . . .	394,609	111,882

Public, 74.737 miles (includes 2,843 miles boulevards); private, 21.190 miles.
Total length of streets in the city, 95.927 miles.

REPORT OF THE STREET COMMISSIONER.

OFFICE OF THE STREET COMMISSIONER, }
CITY HALL, SOMERVILLE, January 1, 1910. }

To His Honor, the Mayor, and the Board of Aldermen:—

Gentlemen,—I most respectfully submit the thirty-fourth annual report, containing a brief summary of the principal work performed by the highway department during the year 1909.

This department has charge of the construction, alteration, repair, maintenance, and management of ways, streets, sidewalks and bridges; also the setting out and care of shade trees, the suppression of brown-tail and gypsy moths, elm-leaf beetles, and the supervision of street watering and oiling.

The department having a liberal appropriation in the Highways Construction Account and not many streets to construct under the Betterment Act, his honor, the mayor, and the board of aldermen were in favor of constructing the main thoroughfares.

On Highland avenue the Boston Elevated Railway Company laid new rails, paving the tracks with the old paving blocks, the whole being laid on a concrete base, and grouted with Portland cement. Simpson Brothers Corporation laid the concrete base and did the excavating for ninety-five cents per square yard, and laid paving blocks for brow-stone in grout next to the rails for thirty-two and one-half cents per linear foot. The department constructed a three-inch Tarvia macadam top, or wearing surface, on top of this concrete base. This kind of construction is something new in modern road building, and will be watched with much interest. The total cost was \$55,768.77. Credits by paving stock, \$5,937.22, leaving a net cost of \$49,831.55. This street should be coated over in the spring with "Tarvia B."

Medford street, from Washington street to Somerville avenue, both sides, and the space between the tracks was paved by the department with granite paving blocks grouted with pebbles and "Tarvia X" at a cost of \$2.19 per square yard. Total cost, \$5,570.45. Credits by paving stock, \$170.87. Net cost, \$5,399.58.

The contract for the paving of Washington street, easterly side, from the Charlestown line to opposite Tufts street, was let to Fred S. and A. D. Gore Corporation at \$2.91 per square yard. A four-inch granite paving block was laid on a concrete base with a concrete grout. Total cost, \$10,883.63. Credits by paving stock, \$881.00. Net cost, \$10,002.63. This will give

a good entrance to our city from Boston, something which has been badly needed.

Broadway, northerly side from New Cross street to Fells-way East, was constructed with Tarvia macadam, the top being sealed with "Tarvia B," at ninety-eight cents per square yard, the total cost being \$2,886.37.

Beacon street, both sides, from the Cambridge line to Buckingham street, was constructed with Tarvia macadam. "Tarvia X" was spread on each layer of stone. The cost of this paving was ninety-two cents per square yard, the total cost being \$2,398.72.

The cost of all the streets constructed includes the re-setting of edgestones and crossings and re-paving of sidewalks.

Holland Street Ledge.

Quarrying has been carried on at this ledge, and a large amount of good stone still remains.

Stone Crusher.

The crushing plant has worked 254 days during the year, but was unable to supply the demand for stone. The Massachusetts Broken Stone Company had the contract to furnish stone to the city, but was unable to meet the demand, and trap rock was purchased from other concerns. There were 8,901 tons crushed, and 5,421 tons purchased during the year.

Street Cleaning.

All the streets, both public and private, were cleaned in the spring and fall, and the paved streets were swept as often as considered necessary. Push cart men are kept in the squares to care for same. The expense of teaming is increasing each year on account of the scarcity of dumping places, especially in the centre of the city. Eighteen thousand eight hundred and ten dollars and fifty-two cents was expended for street cleaning.

If the residents and storekeepers, when having their ash barrels and rubbish put out, would use a little more care, and see that there is no loose material on top to blow in the streets, it would be a great help to the department in giving the city a cleaner appearance.

If every one would do his little part, we could have one of the cleanest cities in the Commonwealth.

Waste barrels have been placed at the schoolhouses, and the scholars instructed to use them, thereby giving a neat appearance around city property.

I recommend that a sanitary flushing or pick-up machine

be purchased. This would reduce the expense in this branch of the work.

A patrol system for keeping the streets clear of rubbish and waste paper will be established the coming year. A man supplied with a cart, broom, pick, and shovel will be assigned to each ward. He will be instructed to care for the same, and report any defect in the street or sidewalk in his district.

Bridges.

The bridges in this city are in good condition. The Lowell-street bridges have been started, and are in a fair way to be completed in the spring. Edgestones, sidewalks, and streets should be constructed to the same.

The bridge on Somerville avenue over the Fitchburg division of the Boston & Maine Railroad is nearly completed, and in all probability will be opened early the coming year.

The street on both sides of the approaches to this new bridge should be paved with granite paving blocks grouted.

This will give a good entrance to our city from Cambridge and Boston.

Shade Trees.

Trees purchased by the abutters are set out by the department free of cost. All the dead and dangerous trees should be removed and replaced by live ones. Seventy dead and dangerous trees were removed during the year, and 181 trees set out, each supported by a pole, and protected by a wire guard.

Subways.

Some repairing will be needed on the subways this coming year. Men are assigned to care for them, and extra help is provided in case of a storm.

Sprinkling Streets.

No contract was made with contractors to furnish drivers and horses for the watering carts this year, because the department was using oils and tars in all parts of the city, on all kinds of streets, to keep down the dust. Good results were obtained. Under the new law the city can use water or a substitute, and assess the abutters at the same rate as for street watering.

Where "Tarvia B" was used as a dust-layer, one application was sufficient for the season. Although it was disagreeable while the applications were being made, this was soon overcome and passed off, leaving the street smooth and dustless. With some of the other kinds of solutions applications were necessary each week.

Many residents, after seeing the results, have petitioned to

have their streets treated in the same manner, and I hope the coming year the department may cover nearly the entire city.

The department, with its own employees, operates the sprinklers in the squares, few complaints having been received from the tenants, whereas in former years, when the sprinkling was done by contractors, many complaints were received at my office.

There are forty double and three single water carts, all painted and kept in repair by the department.

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 242 days, the twelve-ton 128 days, and the five-ton roller seventy-four days. These rollers were repaired in the spring, but as they have been in the service of the department a number of years, will have to be repaired again the coming year, and have some new fittings.

This year the department hired a roller at the rate of ten dollars a day. I recommend the purchase of a new fifteen-ton roller, as the money which it is necessary for the city to pay to contractors for the use of their rollers could as well be used for the purchase of a new one for the city.

Granolithic Sidewalks.

The department has laid nearly all this kind of sidewalks at an average cost of \$1.60 per square yard, the abutters being assessed half the cost.

As the abutters desire this kind of 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.

During the winter of 1909 there were 3,161 loads of snow removed, and a large sum of money expended sanding sidewalks and slippery streets on the side hills. The sum of \$4,474.72 was spent in this branch of the work, and as there is no separate appropriation for the care of ice and snow, the amount available for street repairs, from which this expenditure must be paid, is thereby greatly lessened. The teaming is increasing each year on account of the scarcity of dumping places, but in some portions of the city this difficulty has been overcome by dumping the snow into the sewers through manholes, which has proved a success. This not only removes the snow quickly, thereby opening the main streets and squares to travel, but also flushes and purifies the sewers.

It is the duty of this department to remove the snow from all sidewalks in front of public buildings and public grounds, and to prevent them from becoming slippery.

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 1 of this ordinance shall forfeit to the city the sum of \$25 for each offence.

Boxes filled with fine sand have been placed within easy access of the push cart men who care for the smoothly-paved streets, squares, and subways.

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, and less expensive to 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 burying wires were issued to the Edison Electric Illuminating Company in Broadway, northerly side from Winchester street to opposite Billingham street; and to The New England Telephone and Telegraph Company on Broadway, southerly side from opposite North street to Alewife brook; and to both companies on several main streets to connect the underground with the overhead wires on intersecting streets.

Accepted Streets.

There were seven streets accepted during the year, comprising a total length of 3,046 feet. There were three streets constructed with macadam and Tarvia, comprising a total length of 2,782 feet, at a total cost of \$5,735.93, or an average approximate cost of seventy-eight cents per square yard. In all streets which have been constructed during the past seven years edgestones have been set and gutters paved with granite paving blocks before the construction work was begun. There were five streets macadamized and re-surfaced, at a cost of \$3,871.44.

There are 74.737 miles of public streets and 21.190 miles of private streets, making a total length of 95.927 miles in the city,

Sidewalks Maintenance.

As there was no appropriation for this kind of work, which comprises the re-setting of edgestones, re-laying brick sidewalks and attending to police reports, no extensive work was done except where it was charged to the cost of the new sidewalks and streets constructed. I hope and trust that the incoming city government will make an appropriation sufficiently large to care for the old sidewalks that were laid years ago. This would not only please the abutters, who have petitioned year after year to have them repaired, but would give a better appearance to the streets and save the city from accidents.

Street Railways.

The Boston Elevated Railway Company received permission to connect the Stoneham line on Mystic avenue with the tracks on Broadway through Union street, thus opening up a line to the beautiful Fells, which has been well patronized by people who could not reach this spot except by carriages or automobiles.

Emergency Call.

The highway department is the originator of the "Emergency Call" for employees of the department. The emergency call is 8-8 on the fire alarm system, and is used in case of an accident on the railroad, a burst water-main, collapse of a bridge, big fire, or any other accident in the same line that 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.

Tarvia.

On all the streets constructed and re-surfaced "Tarvia X" was used. Tarviated streets have proved very satisfactory to the abutters, and many requests have been received for additional work along this line. Somerville is one of the first cities to use this material as a binder.

Suppression of the Gypsy and Brown-Tail Moths.

The department cared for all the street trees and trees in yards where citizens had not cared for them. Although the work was started late the entire city was covered, and very few complaints were received at my office in the spring in regard to the men overlooking any nests. The moths are under control in our city, there being very few on the city trees, and after a

careful inspection I find most of them confined to the yards in the western part. The law gives the city the right to go on any property to care for the moths and to make the assessment on the tax bill.

There were sixty-four bushels found in the yards, and twenty-one bushels on the street trees. All were taken to the city yard and burned in a furnace.

Elm-Leaf Beetle.

This pest gave the department considerable work, and as the equipment was small it was impossible to meet the demands. I recommend that a power spraying machine be purchased the coming year, which will enable the department to cover the entire city before the beetle destroys all our beautiful elm trees. This machine, if purchased, could be used against the ravages of the other moths.

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 snow storms, while in the 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.

Miscellaneous.

Specifications were sent out to all the local and wholesale concerns and bids asked for the furnishing of edgestones, brick, sand, gravel, cement, paving stock, etc. The bids were opened publicly in the office of the mayor, and the contracts were awarded to the lowest bidder, preference being given to Somerville citizens or taxpayers.

The department maintains its own painter, carpenter, blacksmith, horseshoer, and harness repairer, all employed at the city stables.

If the names of certain streets in different parts of the city were changed it would be a great convenience to the public. A committee was appointed from the board of aldermen to interview the property owners on private streets bearing the same

name as public streets, and to request them to change the names of such streets, as the city has no jurisdiction over the naming of private ways.

This department has been called upon to furnish steam rollers, teams, crushed stone, sand, gravel, and ashes to the other departments, being reimbursed for the same.

There were 219 permits issued to the Cambridge Gas Light Company and 117 issued to the Charlestown Gas and Electric Company for opening of streets for gas connections and repairs. There were issued to contractors and corporations, for building purposes, 213 permits to occupy and 154 permits to open streets, and fifty-eight to cross the sidewalks. There were six permits issued to erect canopies, eight to feed horses, and two to run steam rollers through the streets; 185 permits were given to licensed drain layers to open streets for sewer connections.

There were 318 defects in the streets and sidewalks reported by the chief of police, which were promptly repaired, thereby saving the city the possibility of law suits.

There were thirty-seven signs and guide posts painted and sixteen re-painted and erected by the department during the year.

There were 4,731.4 square yards of block stone gutters laid, at a cost of \$10,174.25, an average cost of \$2.15 per square yard, 2,370 square yards of sand and gravel used, 12,305 loads of dirt removed or handled, 10,832 loads of scrapings removed from the streets, 934 loads of old macadam used in the repair and construction of streets, 5,707 loads of ashes used in the repair and construction work of sidewalks and streets, 6,980.6 square yards of granolithic and brick sidewalks laid at an average cost of \$1.60 per square yard for granolithic and \$1.14 per square yard for brick, 14,194.2 feet, or nearly 2.69 miles, of edgestones set, at a cost of \$13,994.88, or an average cost of \$1.01 per linear foot, 5,015.5 feet of edgestones, or nearly .95 miles, reset, and 1,436.3 square yards of brick sidewalks relaid at a cost of \$3,871.44. This amount includes patching sidewalks and attending to police reports of defects.

I have attended nineteen meetings of the committee on highways for consultation regarding work and petitions.

Recommendations.

As we now have a good thoroughfare through the centre of our city it would be a good idea for the city to construct Broadway and Beacon street, which have already been started. This would give a through thoroughfare on the north and one on the south.

As recommended in my last year's report, a drain and catch

basins have been laid and constructed on Middlesex avenue. As it is the intention of the Boston & Maine Railroad to erect large repair shops on land adjoining this street, the city government should construct this thoroughfare and also the part of Mystic avenue not taken by the Massachusetts Highway Commission. These two thoroughfares are used by the cities and towns lying north of our city and are at the present time in an unsatisfactory condition.

Edgestones should be set and gutters paved on both sides of College avenue from Powder-house square to the Medford line, and the street macadamized and Tarviated from the Medford line to Davis square. This would give the city a good street from Medford and a better appearance to the approaches to Tufts College.

There are several brick and granolithic sidewalks that should be extended or the intervening spaces completed so as to make one continuous walk between intersecting streets, as the spaces are a source of great inconvenience to pedestrians, especially in the spring and fall.

The granite paving on Somerville avenue should be extended to Oak square.

Elm, Newton, and Springfield streets are all very narrow between the car tracks and the edgestones, thus making it almost impossible to keep them in good repair with macadam. They should be paved with some kind of permanent paving.

The brick paving already laid in Davis square should be extended on Holland street. Medford street from Highland avenue to Gilman square, and Summer street from Central street to Cutter square should be re-surfaced and Tarviated.

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 1908		\$5,613 98
Receipts and credits:—		
Commonwealth of Massachusetts, street railway tax	\$45,778 32	
Boston Elevated Railway tax	9,236 99	
Health Department, collection of ashes, 1908	191 90	
F. R. Mathison, loam	142 50	
Private work, the bills for which remained unpaid December 31, 1907, and 1908	61 45	
Value of materials on hand January 1, 1909,	1,111 00	
Value of tools and property on hand January 1, 1909	28,449 17	
		<hr/>
		\$84,971 33
		<hr/>
		\$90,585 31
Less amount transferred to Sidewalks Maintenance account		1,082 19
		<hr/>
		\$89,503 12
Profit and loss on tools, property, and materials		3,157 98
		<hr/>
Total credit		\$92,661 10

DEBIT.

Expenditures:—		
For repairs of sundry streets as per table B, at end of this report	\$4,456 79	
General repairs of streets	9,206 57	
Repairs and maintenance of gravel sidewalks	2,792 80	
Repairs of street crossings	154 32	
Repairs of gutters	181 77	
Repairs of driveways	97 27	
Repairs of stone paving	220 05	
Removing snow and ice and care of slippery sidewalks,	4,474 72	
Cleaning streets	18,810 52	
Care of subways	156 27	
Removing trees	646 15	
Setting trees	380 90	
Trimming trees	316 11	
Street opening at Acadia park, off Somerville avenue	168 03	
Street opening at Walker street, northeasterly side of Broadway	125 75	
Street opening, Broadway, at Corinthian road	66 04	
Street opening, Buena Vista road, off Holland street,	32 81	
Street opening at court, off Moreland street, westerly side	9 65	
Placing circles at intersection of Fenwick street and Broadway	11 21	
Building fence between Holland-street ledge and Simpson estate	162 94	
Waltham gravel land, taxes of 1909	106 80	
Blacksmithing	264 75	
		<hr/>
Amount carried forward		\$42,842 22

Amount brought forward		\$42,842 22
Carpentering		300 78
Painting		320 69
Street signs		315 65
Albert M. Burbank, timekeeper		129 50
Street Commissioner's salary		2,000 00
Street Commissioner's team		288 33
Street Commissioner's telephone		14 61
Repairs of tools		120 37
Health Department (bill unpaid December 31, 1909)		335 55
Lowell-street Bridges (bill unpaid December 31, 1909),		124 90
Books, printing, stationery, and postage		115 47
Sundry expenses		1,279 70
Private work, the bills for which remained unpaid December 31, 1909		142 85
Value of materials on hand this day		3,429 99
Value of tools and personal property on hand this day:—		
Horses	\$7,730 00	
Carts and implements used with horses	8,071 50	
Harnesses and horse clothing	1,426 37	
Harness supplies	74 91	
Horse medicine	15 04	
Horseshoes	69 25	
Stable utensils and property	630 03	
Tools	2,582 30	
Steam road rollers	6,000 00	
Stone fittings and crusher	1,847 50	
Street signs	112 00	
		<u>\$28,558 90</u>
Total debit		<u>\$80,319 51</u>
Balance unexpended		<u><u>\$12,341 59</u></u>

Highways Construction Account.

CREDIT.

Balance from 1908	\$2,099 80	
Appropriation	80,000 00	
Transfer from Shade Trees account of 1908,	33 38	
		<u>\$82,133 18</u>
Advertising and recording deeds in 1907 and 1908, charged in construction of streets in 1909	\$43 65	
Highways, Paved Gutters and Crossings account (paving blocks)	6,955 09	
		<u>6,998 74</u>
Total credit		<u>\$89,131 92</u>

DEBIT.

Expenditures:—		
Construction of streets, as appears by table A, at end of this report	\$85,602 93	
Less assessments	3,363 01	
		<u>\$82,239 92</u>
Amount carried forward		<u>\$82,239 92</u>

Amount brought forward	\$82,239 92
Partial abatement of assessment, constructing Cleveland street, assessed in 1908	39 90
Partial abatement of assessment, constructing Vine street in 1908	66 50
Taxes assessed by city in 1905 and 1906, Weston avenue (Clarendon-hill ledge lot)	97 25
Taking of land from estate of Abbie E. Taylor for construction of Cleveland street	500 00
Taking of land from estate of Charles L. Upham for construction of Heath street in 1908	75 00
Abatement of Highway Betterment Assessments to sundry persons	67 79
Advertising and recording releases and plans for streets not constructed	94 05
Total debit	<u>\$83,180 41</u>
Balance unexpended	<u><u>\$5,951 51</u></u>

Highways, Paved Gutters and Crossings.

CREDIT.

Appropriation	\$8,000 00	
Transfer from Sewers Construction account	7,670 95	
	<u> </u>	\$15,670 95
Value of material on hand January 1, 1909	\$54 40	
Net gain on materials	107 98	
	<u> </u>	162 38
Total credit		<u>\$15,833 33</u>

DEBIT.

Expenditures:—

For paving thirteen gutters, as per table D	\$10,174 25	
Street crossings, as per table H	1,038 07	
Value of materials on hand December 31	4,621 01	
	<u> </u>	\$15,833 33
Total debit		<u><u>\$15,833 33</u></u>

Highways, Watering Streets.

CREDIT.

Receipts:—

Assessments and contributions from abutters	\$30,707 25	
Insurance on water carts (collected from contractors)	70 00	
Gulf Refining Co., empty barrels	59 47	
Barrett Manufacturing Co., empty barrels	29 00	
Value of water carts on hand January 1, 1909	11,750 00	
	<u> </u>	\$42,615 72
Total credit		<u>\$42,615 72</u>

DEBIT.

Expenditures:—

Teaming (street watering)	\$20,799 95	
Use of city teams	2,345 00	
Building platform	69 38	
Tarvia	3,669 53	
Asfaltoil emulsion	263 20	
Dust preventive	1,270 50	
Asphaltum	518 45	
Lard	1 76	
Repairs of water carts	338 94	
Painting water carts	1,013 55	
Insurance on water carts	90 00	
Water posts	108 25	
Repairing water posts	184 37	
Rubber boots	21 00	
Clerical work (making assessment list)	125 34	
Books, printing, and postage	29 62	
Margaret E. Lawler, excess paid for watering on Columbus avenue	5 92	
	<hr/>	
	\$30,854 76	
Value of water carts on hand this day	11,550 00	
Profit and loss on water carts	200 00	
	<hr/>	
Total debit		\$42,604 76
		<hr/>
Balance unexpended		\$10 96
		<hr/> <hr/>

Lowell Street Bridges.

CREDIT.

Appropriation	\$40,000 00
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DEBIT.

Advertising	\$13 00	
Labor	2,516 13	
Use of city teams	286 30	
Teaming, filling	434 70	
Filling	358 00	
Raising houses	460 00	
Carpentering	445 97	
Mason work	2,223 00	
Plumbing	367 62	
Lumber	529 37	
Furnace and stove work	141 36	
Changing grade of manholes	394 28	
Bricks	10 80	
Edgestones and circles	35 69	
Cement	12 89	
Crushed stone	49 77	
Paving blocks	9 50	
Pipe and strainer	2 99	
Photographs	16 50	
Engineering work and inspection	125 00	
	<hr/>	
Total debit		\$8,432 87
		<hr/>
Balance unexpended		\$31,567 13
		<hr/> <hr/>

Sidewalks Construction Account.

CREDIT.	
Balance from 1908	\$309 13
Appropriation	12,000 00
Balance of uncollected bill of 1908	13 10
	<hr/>
Total credit	\$12,322 23
DEBIT.	
Expenditures:—	
For thirty-four sidewalks constructed as per table C	\$24,166 39
Less assessments	12,083 18
	<hr/>
	\$12,083 21
Abatement of assessment, estate of Mary A. Kenney, for construction of sidewalk, Loring street, in 1908	25 62
Abatement of assessment in front of estate of James J. and Catharine A. McFarlane, for construction of sidewalk, Moreland street, in 1908	15 28
Abatement of assessment in front of estate of Ellen F. Collins, for construction of sidewalk, Vine street, 1908	51 59
West End Street Railway Co., taking of land and damage to estate, Vine street, in constructing sidewalk, Vine street, 1908	35 08
William St. G. Little, taking of land and damage to estate, Cleveland street, in constructing sidewalk, 1908	31 76
Books	13 00
	<hr/>
Total debit	\$12,255 54
	<hr/>
Balance unexpended	\$66 69
	<hr/> <hr/>

Sidewalks Maintenance Account.

CREDIT.	
Transfer from Highways Maintenance account	\$1,082 19
Receipts and credits:—	
From Julius A. Durell, balance of bill of 1903	1 50
	<hr/>
Total credit	\$1,083 69
DEBIT.	
Expenditures:—	
Labor, repairing sidewalks	\$758 45
Use of city teams, repairing sidewalks	163 10
Repairing concrete sidewalk	4 00
Bricks used in repairing sidewalks	142 75
	<hr/>
Amount carried forward	\$1,068 30

Amount brought forward	\$1,068 30	
Crushed stone used in repairing side-walks	4 34	
Sand used in repairing sidewalks	4 80	
	<hr/>	
	\$1,077 44	
Value of materials on hand December 31, 1909	6 25	
	<hr/>	
		<u>\$1,083 69</u>

Suppression of Gypsy and Brown-Tail Moths.

CREDIT.

Appropriation		\$3,800 00
Receipts:—		
From sundry persons, removal of moths from trees	\$1,649 41	
New England Oil Co. (oil barrel returned)	1 50	
	<hr/>	
		1,650 91
Total credit		<u>\$5,450 91</u>

DEBIT.

Expenditures:—		
For labor	\$2,860 58	
Use of city teams and teaming	123 20	
Walsh Brothers, spraying trees	8 50	
Tools	63 75	
Supplies	29 14	
Books, circulars, stationery, and postage	136 25	
Clerical work	53 34	
	<hr/>	
Total debit		\$3,274 76
Balance unexpended		<u>\$2,176 15</u>

Suppression of Elm-Leaf Beetle.

CREDIT.

Appropriation		\$1,000 00
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DEBIT.

Expenditures:—		
For labor	\$670 50	
Use of city teams	58 80	
Walsh Brothers, spraying trees	3 00	
Arsenate of lead	114 50	
	<hr/>	
Total debit		\$846 80
Balance unexpended		<u>\$153 20</u>

TABLE A.
Streets Constructed in 1909.

STREET.	FROM	TO	CONSTRUCTED	LENGTH IN FEET.	COST.
Alpine street . . .	Cedar street . . .	Accepted portion of Alpine street	Wholly . . .	667	\$757 49
**Beacon street . . .	Cambridge line . . .	Buckingham street . . .	Wholly . . .	870	2,398 72
Boston avenue . . .	Broadway (Northeasterly side)	Pitchard avenue . . .	Wholly . . .	795	2,163 01
**Broadway . . .	Cross street . . .	Fellsway (west) . . .	Wholly . . .	690	2,886 37
*Dimick street . . .	Concord avenue . . .	Calvin street . . .	Partially . . .	957	237 81
*Hamlet street . . .	Present terminus . . .	Boston street . . .	Partially . . .	165	2,121 25
**Highland avenue . . .	Near Medford street . . .	Near Davis square . . .	Wholly . . .	8,870	55,768 77
**Medford street . . .	Somerville avenue . . .	Washington street . . .	Wholly . . .	982	5,570 45
Pearson avenue . . .	Morrison avenue (Southwesterly side)	Boston avenue . . .	Wholly . . .	1,320	2,815 48
**Washington street . . .	Opp. Tufts street . . .	Charlestown line . . .	Wholly . . .	1,813	10,883 63
Length in feet, and cost				17,129	\$85,602 93

*Partially constructed.

**Reconstructed with permanent pavement.

TABLE B.
Streets Repaired.

STREET.	FROM	To	DESCRIPTION OF WORK.	FEET.	COST.
Bonner avenue	Washington street	Columbus avenue	Re-surfaced	376	\$ 63 09
Broadway	Magoun square (Northerly side)	Railroad bridge (Boston and Lowell)	Re-surfaced with tarvia	1,640	603 79
Broadway	Willow avenue (Northerly side)	Powder House square	Re-surfaced with tarvia	1,000	1,112 70
Middlesex avenue	Mystic avenue	Northerly	Re-surfaced	800	371 76
Oak street	Prospect street	Angle	Macadamized	660	141 13
Prospect street	Washington street	Cambridge line	Re-surfaced with tarvia	1,950	1,471 63
School street	Highland avenue	Berkeley street	Re-surfaced	500	60 63
Stone avenue	Columbus avenue	Munroe street	Re-surfaced with tarvia	110	89 87
Webster street	Franklin street	Glen street	Re-surfaced with tarvia	512	542 19
Length in feet, and cost				7,548	\$4,456 79

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 EDGE- STONES.	YARDS OF BRICKS.	YARDS OF GRANOLITHIC.	COST.
Alpine street . . .	Both . . .	Cedar street . . .	Princeton street . . .	1,329.4	....	....	\$1,281 04
Ashland street . . .	Southeasterly . . .	Summer street . . .	Sartwell avenue . . .	....	242.	....	313 11
Autumn street . . .	Both . . .	Broadway . . .	Bonair street . . .	....	....	217.8	368 97
*Boston avenue . . .	Northeasterly . . .	Broadway . . .	Pritchard avenue . . .	622.6	....	....	561 87
Broadway . . .	Northeasterly . . .	in front of estate of . . .	Annie R. Bates } No. 855 }	....	....	154.5	244 81
Campbell Park . . .	Westerly . . .	Meacham road . . .	Kingston street . . .	....	....	284.4	415 27
Cedar street . . .	Northwesterly . . .	Lexington avenue . . .	Morrison avenue . . .	387.5	....	....	415 95
{ Chapel street and Chandler street . . .	Northeasterly . . . Easterly . . .	College avenue . . . in front of est. No. 19.	Chandler street } Chapel street }	....	....	244.	470 66
Claremon street . . .	Easterly . . .	Holland street . . .	Mead street . . .	564.9	....	....	583 81
Curtis street . . .	Easterly . . .	Broadway . . .	Professors Row . . .	1,485.9	....	....	1,545 77
Dana street . . .	Easterly . . .	Everett avenue . . .	Bonair street . . .	....	272.	....	320 10
Dimick street . . .	Both . . .	Concord avenue . . .	Calvin street . . .	1,722.6	....	....	1,602 05
Elm street . . .	Easterly . . .	Willow avenue . . .	Elston street . . .	....	....	296.3	473 97
*Fenwick street . . .	Both . . .	Broadway . . .	Jaques street . . .	954.9	....	....	996 13
Henry avenue . . .	Both . . .	Highland avenue } in front of estate } of Wilbur P. Rice } from Cherry st. }	Lexington avenue . . .	....	....	400.6	683 23
Highland avenue . . .	Southwesterly . . .		Southwesterly } about 150 feet }	....	....	144.9	217 35
			Carried forward	7,067.8	514.	1,742.5	\$10,554 09

*Where not already laid.

TABLE C. — Concluded.

STREET.	SIDE.	FROM	TO	FEET OF EDGESTONES.	YARDS OF BRICKS.	YARDS OF GRANOLITHIC	COST.
Highland avenue	Southwesterly	Porter street	Brought forward	7,067.8	514.	1,742.5	\$10,554.09
Medford street	Northeasterly	Walnut street	Conwell street	....	136.8	....	\$185.37
Medford street	Northeasterly	Walnut street	B. & M. R. R. Bridge	574.2	....	....	550.39
*Medford street	Northeasterly	Walnut street	Highland avenue	605.6	....	....	602.05
Medford street	Northeasterly	Gilman square	B. & M. R. R. Bridge	91.3	....	....	88.01
Moore street	Northeasterly	Central street	Tennyson street	....	....	186.2	286.95
Moore street	Easterly	Holland street	Mead street	700.2	....	....	687.15
Moore street	Westerly	Holland street	Mead street	712.1	....	....	1,468.61
Partridge avenue	Westerly	Broadway	Medford street	....	....	497.4	555.33
Packard avenue	Easterly	Broadway	Professors Row	1,621.5	....	318.3	1,713.96
Pearson avenue	Both	Morrison avenue	Boston avenue	2,612.4	....	....	2,671.17
Sewall street	Both	Grant street	Temple street	....	....	812.7	1,126.74
Shawmut street	Northeasterly	Washington street	to and including est. No. 154 Cross street	....	250.4	....	305.49
Trull street	Easterly	Medford street	Vernon street	....	754.5	....	824.38
{ *Summer street and Elm street	Northeasterly	Willow avenue	Cutter square	....	....	909.9	1,253.26
Walnut street	Northeasterly	Cutter square	Grove street	....	....	....	110.87
Walnut street	Easterly	in front of estate of Estate No. 91.	Annie D. Donovan No. 91	81.9	....	....	111.64
Washington street	Easterly	Estate No. 91.	Highland avenue	127.2	....	....	801.53
Washington street	Southerly	F. R. R. bridge	to and including estate No. 330	....	740.9	....	269.40
Willow avenue	Northwesterly	Morrison avenue	Appleton street	....	....	117.	269.40
			Total	14,194.2	2,396.6	4,584.	\$24,166.39

*Where not already laid.

TABLE D.
Gutters Paved in Connection with Setting Edgestones.

Street.	Side.	From	To	Square Yards.	Cost.
Alpine street	Both	Cedar street	Princeton street	443.1	\$ 790.32
Boston avenue	Northerly	Broadway	Pritchard avenue	207.5	499.15
Cedar street	Northwesterly	Lexington avenue	Morrison avenue	129.2	233.31
Claremont street	Easterly	Holland street	Mead street	188.3	424.71
Curtis street	Easterly	Broadway	Professors Row	495.3	1,012.27
Dimick street	Both	Concord avenue	Calvin street	574.2	1,157.24
Fenwick street	Both	Broadway	Jaques street	318.3	836.10
Medford street	Northeasterly	Gilman square	Highland avenue	423.7	953.43
Moore street	Westerly	Holland street	Mead street	237.4	601.71
Moore street	Easterly	Holland street	Mead street	233.4	536.74
Packard avenue	Easterly	Broadway	Professors Row	540.5	1,129.28
Pearson avenue	Both	Morrison avenue	Boston avenue	870.8	1,824.41
Walnut street	Easterly	Medford street	Highland avenue	69.7	175.58
			Total	4,731.4	\$10,174.25

TABLE E.
Driveways Constructed at Expense of Abutters.

FOR	LOCATION.
American Tube Works	Somerville avenue
Builders' Iron and Steel Co.	1 Somerville avenue
William Crossman	8 Ashland street
Derby Desk Company	Central street
E. Charles Drouet	Pleasant avenue
E. Charles Drouet	56 Bow street
R. A. Fash	14 Wheeler street
Frederick A. P. Fiske	44 Cherry street
Harry Gavel	55 Vernon street
Dr. Arthur A. Gibson	22 Bow street
Joseph Gridley	179 Highland avenue
J. Ernest Gustin	3 Virginia street
Ella G. Haig	9 Carlton street
Hattie E. Marsh	35 Day street
Harvey D. McGray	95 College avenue
J. Frank Mixer	119 Central street
Leander A. Penney	192 Pearl street
Walter H. Snow	46 Derby street
West Somerville Public Library	College avenue

TABLE F.
Driveway Discontinued at Expense of Abutter.

FOR	LOCATION.
James Cruise	31 Wheatland street

TABLE G.
Streets Accepted by the Board of Aldermen in 1909.

STREET.	WARD.	FROM	TO	WIDTH IN FEET.	LENGTH IN FEET.	ACCEPTED.
Fremont avenue	2	Bowdoin street .	Lincoln park .	30	232	December 24, 1909
Lovell street .	7	Broadway . . .	Electric avenue	40	385	December 10, 1909
Lowell street .	5	Across all railroad	tracks of Boston & Lowell R. R.	40	867	August 25, 1909, <small>1909</small>
Mallet street .	7	Willow avenue .	Liberty avenue	40	657	December 3, 1909
Meriam street .	2	Somerville avenue	Charlestown st.	30	510	September 10, 1909
Parker street .	2	Washington street	Fremont ave.	35	203	December 3, 1909
West street .	7	Highland avenue	Hawthorne st.	30	192	December 3, 1909
Length in feet					3,046	

TABLE H.
Street Crossings Laid.

GRANITE FLAGGING.

Acadia park, across same, at northerly side of Somerville avenue.
 Broadway, across same, between School street and Dartmouth street.
 Broadway, across same, between Thurston street and Sycamore street.
 Glen street, across same, at southerly side of Pearl street.
 Holland street, southerly side, at Buena Vista road.
 Mystic avenue, across same, from easterly side of Austin street.

PAVING BRICKS.

Benedict avenue, southwesterly side, across Benedict street.
 Summer street, across same, from easterly side of Cedar street.

PAVING BLOCKS.

Medford street, across same, at westerly side of Walnut street.

Length of Accepted Streets in Each Ward.

	Miles.
Ward 1	9.494
“ 2	8.533
“ 3	7.479
“ 4	9.390
“ 5	11.373
“ 6	12.447
“ 7	16.021
Total length of accepted streets in the city	74.737

Respectfully submitted,
 ASA B. PRICHARD,
 Street Commissioner.

REPORT OF COMMISSIONER OF PUBLIC BUILDINGS.

OFFICE OF COMMISSIONER OF PUBLIC BUILDINGS, }
City Hall, Somerville, January 1, 1910. }

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

Gentlemen,—I have the honor, as commissioner of public buildings, to submit the following as the report of the department of public buildings and the department of inspection of buildings for the year 1909. In submitting this report I desire to express my appreciation of the valuable counsel and advice received from his honor, the mayor, and from the members of the honorable, the board of aldermen.

Somerville Beach.

In the report of this department for the year 1908 a detailed description was given of the Somerville bathing beach and bathing houses. The patronage had so increased that in response to the request of the commissioner provision was made for additional facilities. An addition was made to the building which doubled in size the original plant and provided much better accommodations for those of our citizens who availed themselves of the privileges of the beach. This institution is still increasing in popularity, and it will undoubtedly be necessary soon to further increase the accommodations. In addition to the above mentioned improvements a shelter was constructed on the shore of the river for those who desired to watch the bathing. A diving raft was also provided and located in the river, which was very much enjoyed by the patrons.

The commissioner would respectfully assure the citizens of Somerville that every attention will be given them if they desire to patronize the Somerville beach, and hopes that the season of 1910 will show a largely-increased patronage.

Contagious Hospital.

It became necessary to provide better living accommodations for the nurses of this hospital, and on October 2, 1909, an order was passed by the board of aldermen authorizing the construction of the addition to the present building and appropriating \$7,000 for the same. Plans were drawn and specifications prepared by this department and the estimates opened by his honor, the mayor, on September 29, 1909, which were as follows:—

J. M. Andrews & Son	\$6,700 00
W. Fillmore & Co.	6,125 00
J. E. Locatelli & Co.	5,990 00
J. P. Foley	5,800 00
E. N. Hutchinson	5,745 00
Arthur W. Berry	5,490 00
J. E. L. McLean	4,749 00

The lowest bidder, J. E. L. McLean, was awarded the contract. This contract did not include the heating, plumbing, or furnishing. The work was started promptly, and the addition is now completed and occupied.

This addition with the other interior changes will provide for the needs of this institution for years to come and make the work there much easier to perform than formerly, and will provide more comfortable living accommodations for both patients and attendants.

Care of School Buildings.

In order that the buildings in which the school children are required to spend so much of their time during the years of their educational life may be kept in a clean and hygienic condition, it is necessary at all times for somebody to exercise the most careful vigilance. The responsibility of this work is placed upon the commissioner of public buildings. The commissioner as well as the superintendent of schools must have the confidence of the people who are sending their children to be cared for day after day. The moral and physical elements of the child's nature are just as important as the intellectual and must be looked after just as carefully. It has been the aim of the present commissioner to remedy unsatisfactory conditions and establish improved appliances for so doing whenever the necessity existed.

Attention was called by the commissioner in his report of 1908 particularly to the dust evil. The matter has been watched very carefully and experiments made in the endeavor to remedy the difficulty. The use of dust preventives is being continued, and the evil is largely eliminated. Continued efforts will be made until a perfect condition exists.

The danger from the unsanitary drinking cup has been given careful attention, and as a solution of the problem forty sanitary drinking fountains were installed in the various school buildings. These fountains were installed in the regular sinks of the buildings, and although not satisfactory in every particular the commissioner feels that the experiment will result eventually in solving this important matter.

The question of cleanliness of school buildings has been given careful attention, and in most instances our buildings are in a clean and hygienic condition. The general supervision of this work has been delegated to John H. Kelley, who is also the head janitor of the high school buildings, and his careful and

systematic oversight has resulted in much better conditions than before existed.

The school buildings placed in accordance with the charter under the department of public buildings are as follows:—

Buildings.	Valuation.	Year Built.	Location.
Baxter school.....	\$32,955 64	1901	Bolton street
Bell school.....	45,400 00	1874	Vinal avenue
Bennett school.....	50,448 32	1902	Maple street
Bingham school.....	68,885 04	1886	Lowell street
Brown school.....	59,690 16	1901	Willow avenue
Burns school.....	34,760 00	1886	Cherry street
Carr school.....	53,800 00	1893	Atherton street
Cummings school.....	11,921 00	1884	School street
Davis school.....	22,720 00	1884	Tufts street
Durell school.....	19,720 00	1894	Beacon street
Edgerly school.....	44,230 00	1871	Cross street
Forster school.....	85,290 00	1866	Sycamore street
Glines school.....	80,540 00	1891	Jaques street
Hanscom school.....	69,580 00	1897	Webster street
Latin High school....	79,365 00	1871	Highland avenue
English High school..	137,900 00	1895	Highland avenue
Highland school.....	60,560 00	1880	Highland avenue
Hodgkins school.....	71,700 00	1896	Holland street
Knapp school.....	50,540 00	1889	Concord square
Lincoln school.....	18,220 00	1885	Broadway
Morse school.....	48,199 00	1869	Summer street
Perry school.....	37,080 00	1899	Washington street
Pope school.....	80,160 00	1891	Washington street
Prescott school.....	66,260 00	1867	Pearl street
Proctor school.....	42,820 16	1905	Hudson street
Lowe school.....	51,826 16	1903	Morrison avenue

In addition to the above, the following public buildings are under the control of this department:—

Public library.....	42,000 00	1884	Highland avenue
Police building.....	57,000 00	1874	Bow street
City hall.....	47,432 32	1851	Highland avenue
City hall annex.....	20,655 02	1893	Highland avenue
Contagious hospital...	22,793 76	1906	Broadway
City home.....	37,901 73	1871	Broadway
City stables.....	84,000 00	1894	Broadway
Health shed.....	1,189 79	1905	Broadway
Water dept. stable....	32,000 00	1889	Cedar street
Central fire station...	37,200 00	1893	Medford street
Engine 2 building.....	33,600 00	1894	Broadway
Hose 2.....	10,800 00	1871	Marshall street
Ladder 1.....	56,143 18	1904	Union square
Ladder 2.....	15,300 00	1894	Highland avenue
Hose 5.....	16,900 00	1888	Somerville avenue
Hose 6.....	18,200 00	1898	Holland street
Engine 4.....	15,900 00	1874	Highland avenue
Incinerating plant....	3,000 00	1907	Cedar street
Bathhouse	3,368 21	1908	Mystic river

Total\$1,989,054 49

Heating and Ventilating.

The new heating and ventilating system installed at the Highland school is described in detail elsewhere in this report. This work leaves the Morse, Cummings, and Davis schools the only ones in which furnaces are in use for heating and ventilating. I would recommend that during the coming year a steam heating and ventilating system be installed in the Morse school building.

Several boilers were repaired as to their tubing and an entirely new boiler installed in the Prescott school building. The system of radiation in the air room at the Glines school was changed in order to provide for the school's needs. Other minor changes were made in the various school buildings which were found necessary. The following table will describe the system in use in the various buildings and the existing condition of each:—

School.	No. of Rooms.	System.	Working Condition.
Baxter	6	gravity—automatic control	good
Bell	12	fan— automatic control	good
Bingham	16	gravity—hand control	good
Bennett	12	gravity—hand control	good
Brown	6	gravity—hand control	good
Burns	8	gravity—hand control	good
Carr	16	gravity—hand control	good
Cummings	4	furnace	not satisfactory
Davis	4	furnace	not satisfactory
Durell	4	gravity—hand control	good
Edgerly	12	gravity—hand control	good
Forster	12	gravity—hand control	good
Forster Annex	6	gravity—hand control	good
Glines	14	gravity—hand control	good
Hanscom	6	fan— hand control	good
High	47	fan— { part hand control part automatic control	good
Highland	12	gravity—hand control	good
Hodgkins	12	gravity—hand control	good
Knapp	12	gravity—automatic control	good
Lincoln	4	gravity—hand control	good
Morse	12	furnace—hand control	not satisfactory
Perry	8	gravity—hand control	good
Pope	12	gravity—hand control	good
Prescott	12	fan— automatic control	good
Proctor	8	gravity—hand control	good
Lowe	8	gravity—hand control	good

Sanitaries, Cummings and Davis Schools.

In compliance with my request of last year an order was passed by the board of aldermen on June 25, 1909, authorizing the installation of new sanitary systems in the above-mentioned school buildings and appropriating the sum of \$3,000 for the same. These systems were installed during the summer vacation. The plans and specifications were made by this department and the estimates opened by the mayor on June 24, 1909, which were as follows:—

	Davis School.	Cummings School.
H. E. Campbell	\$830 00	\$825 00
W. J. Henderson	810 00	804 00
C. B. Cahalan	750 00	740 00
F. O. Johnson	730 00	735 00
Armstrong Brothers	723 00	734 00
J. J. Fisher	694 00	697 00
E. S. Stack & Co.	680 00	680 00
J. H. Adcock	717 00	667 00

The contracts were awarded to the lowest bidders, in each case, viz., to E. S. Stack & Co. for the work at the Davis school, and to J. H. Adcock for the work at the Cummings school. Work was begun at once and completed for the opening of school in September. These changes were much needed and improve greatly the sanitary conditions in these buildings.

Toilets.

With the exception of the new sanitary systems installed in the Davis and Cummings schools and described in detail elsewhere in this report, the changes in the toilets were of a minor nature. The toilets are inspected each week by Duncan C. Greene, the inspector of plumbing, and his conscientious work in this direction has produced results which are well worth the effort and expense.

The following table will describe the systems in use and the existing conditions of each:—

School.	System.	Ventilation.	General Working Condition.
Baxter	Hydraulic closet system.	Local vented.	Good.
Bell	“ “ “	“ “	“
Bennett	“ “ “	“ “	“
Bingham	“ “ “	“ “	“
Brown	“ “ “	“ “	“
Burns	“ “ “	“ “	“
Carr	“ “ “	“ “	“
Cummings	“ “ “	“ “	“
Davis	“ “ “	“ “	“
Durell	“ Latrine closet “	“ “	“
Edgerly	“ “ “	“ “	“
Forster	“ “ “	“ “	“
Forster Annex.	“ “ “	“ “	“
Glines	“ “ “	“ “	“
Hanscom	“ “ “	“ “	“
Latin High.	“ “ “	“ “	Inadequate
English High.	“ “ “	“ “	“
Highland	“ “ “	“ “	Good
Hodgkins	“ “ “	“ “	“
Knapp	“ “ “	“ “	“
Lincoln	“ “ “	“ “	“
Morse	“ “ “	“ “	“
Perry	“ “ “	“ “	“
Pope	“ “ “	“ “	“
Prescott	“ “ “	“ “	“
Proctor	“ “ “	“ “	“
Lowe	“ “ “	“ “	“

Installation of Heating and Ventilating System in the Highland School.

The furnace system of heating and ventilating which had been in constant use for a great many years in this school building was so absolutely unfit for further use that it became necessary to install an entirely new system. The one decided on as the best adapted to the needs of the building was the gravity system. Plans were made by the commissioner of public buildings. The construction of the building was of such a nature that the ventilating flues of the old, with some alterations, could be used for similar purposes in the new system. In order to arrange for boilers and fresh-air chambers it was necessary to rearrange the basement of the building. This work consisted of mason, carpenter, plumbing and steel work. Estimates were received and publicly opened by Mayor John M. Woods on July 8, 1909, for this heating and ventilating work, as follows:—

	If Sectional Boilers Were Used.	If Tubular Boilers Were Used.
A. B. Franklin	\$5,135 00	\$3,957 00
Pierce & Cox	4,942 00	3,953 00
McLean & Cousins	4,884 00	3,939 00
Whitten & Jackson	4,777 00	4,071 00
Duncan & Co.	4,773 00	3,679 00
Huey Brothers	4,627 00	3,867 00
Hurley & Co.	4,245 00	3,300 00

The lowest bidders, Messrs. Hurley & Co., were awarded the contract by his honor, the mayor. The contract called for the installation of a steam heating system in accordance with the plans and specifications made by the commissioner of public buildings. The specifications included everything except the metal work, which was omitted on account of the uncertainty of the amount to be required. Work on the installation of this plant was begun at once by the successful bidders and was completed in time for the opening of the school year in September.

Inspection of Buildings.

There have been issued during the year 1909, 373 permits for new buildings and alterations. This number is 115 more than in 1908. The total estimated cost of the new buildings and alterations was \$1,443,729, while the cost in 1908 was \$954,145, showing an increase of \$489,584.

During the year there have been made 1,276 regular inspections of private buildings in the course of construction.

The following table will show the number of permits in each ward and the use for which they were intended:—

Buildings.	WARDS.							Total.
	1	2	3	4	5	6	7	
Dwellings	9	20	18	19	31	44	125	266
Stores	1	1	1	3	4	3	7	20
Stables	0	2	3	1	1	0	0	7
Manufactories	0	1	0	0	1	1	1	4
Brick buildings	0	2	1	0	1	1	8	13
Miscellaneous	12	9	7	11	9	7	8	63
Total	22	35	30	34	47	56	149	373

The number of plumbing permits issued during the year was	421
Permits for plumbing in new buildings	205
Permits for plumbing in old buildings	215
Number of buildings in which soil pipes were tested	349
Number of master plumbers' licenses, 49 at \$.50	\$24.50
Number of journeyman plumbers' licenses, 26 at \$.50	13.00
Number of new master plumbers' licenses, 1 at \$2.00	2.00
Number of new journeyman plumbers' licenses, 3 at \$.50	1.50
Total	\$41.00

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, 1910. }

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

Gentlemen,—I most respectfully submit my first annual report as commissioner of electric line and lights for the year ending December 31, 1909.

The work of the electrical department consists of the following:—

Inspection of electrical wiring in buildings.

Construction, maintenance, and operation of the fire and police alarm systems.

Supervision and inspection of poles and wires on the streets, underground conduits and wires, and street lighting.

Inspection of Wiring in Buildings.

The inspection of electrical wiring in buildings has been given careful attention. As work is being done in a number of cases by incompetent persons, a rigid supervision of all work installed is necessary in order to insure the smallest possible chance of fire and danger to persons who are users of electric current.

The general class of work as a whole shows a marked improvement over previous years, being brought about by the united efforts of the various insurance, electrical and other interests which have approved of the National Board of Fire Underwriters' rules governing the installation of electric wiring and apparatus, as published in the "National Electric Code."

The enforcement of these rules and requirements by the various electrical departments, and co-operation given the inspection departments by reliable electrical contractors, has resulted in a more durable and safe class of construction, and property owners should see that proper notifications of any new work or changes of the old be given the electrical inspection department in order that unsafe installations which are not up to the standard requirements may be made so, thereby avoiding the possibility of electrical fires or more serious consequences.

Number of notifications of new work received	749
Number of inspections of new work	670
Number of re-inspections of new work	165
Number of inspections of old work	216
Number of defective installations of old work	186
Number of defective installations remedied	104
Number of re-inspections of old work	104
Total number of inspections	1,155
Number of permits issued to The Edison Electric Illuminating Company for installing meters, lamps, etc.	431
Number of incandescent lamps added	4,947
Number of arc lamps added	5
Number of motors added	54
Horse power of motors	151

Construction, Etc., of the Fire and Police Alarm Systems.

FIRE ALARM SYSTEM.

This system has given good service during the past year, 215 alarms having been transmitted correctly.

There are 117 signal boxes which are inspected on an average of once a month, reducing to a minimum the possibility of a box not giving an alarm when pulled.

All wires and equipment are under a constant inspection to insure a perfect system, and the absence of any serious trouble during the severe storm of December 25 and 26 shows the result of such supervision, there being but two breaks in the lines, which were repaired in a short time.

The fire alarm equipment consists of the following: 117 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 fire stations, 494 cells storage battery, and about 150 miles of overhead wire and 21,046 feet of underground cable.

There have been two new signal boxes added during the year:—

Box 124, corner Mt. Vernon and Pearl streets.

Box 453, Powder House boulevard, corner Packard avenue.

Two more new signal boxes have been ordered and will be placed as follows:—

Box 241, corner Calvin and Dimick streets.

Box 411, corner Mossland and Elm streets.

Duplicate signal box 46 has been re-numbered 412.

Signal boxes 31, 47, and 423 have been removed from the fire houses where they were located and placed on iron posts on the sidewalk in front and lighted by red lanterns.

Six keyless doors have been placed on signal boxes in place of the plain key doors, and have proven a check to false alarms.

The four-round boxes have been cut down to two and three rounds, thereby doing away with unnecessary ringing of bells.

There has been 13,950 feet of new No. 10 triple braid-covered wire run and 1,860 feet of twisted pair copper wire for telephones, etc.

Twelve thousand one hundred and forty feet of old bare wire has been replaced by new covered wire.

Eleven thousand and sixty feet of lead-covered cable, consisting of two, four, six, eight, ten, and twelve conductors, have been placed underground on Broadway from Magoun square to Arlington line, and the old overhead wires removed.

The placing of wires underground should be carried along as fast as possible, as the removal of overhead wires removes the possibility of outside interference and adds to the efficiency of the fire alarm system.

POLICE SIGNAL SYSTEM.

The police signal system has received its usual attention and has given as satisfactory service as can be expected, it having been installed over twenty years ago and being in need of a thorough overhauling and the entire system brought up to date.

The register and time clock at the police station have been repaired and batteries renewed, but constant attention is required to keep the system in working order.

The equipment consists of the following: Fifty-two signal boxes, one four-circuit instrument desk, 125 cells of closed circuit battery.

Supervision of Poles and Wires on the Streets, Underground Conduits and Wires and Street Lighting.

Careful attention has been given to the condition of poles and wires on the streets and notification immediately given to the companies owning them when found defective. All such notices have received prompt attention.

Very little trouble has been experienced with poles and wires on the streets, employees from this department taking care of any dangerous wires until attended to by the companies owning same.

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.	61	24	4	13
Edison Electric Illuminating Co..	25	83	10	8
Boston Elevated Railway Co.	62		30	1
Permits given to New England Telephone & Telegraph Co. for attachments to Edison Electric Illuminating Co.'s poles				435

Permits given to Western Union Telegraph Co. for attachments to Edison Electric Illuminating Co.'s poles	1
Permits given to Edison Electric Illuminating Co. for attachments to New England Telephone & Telegraph Co.'s poles,	25

The New England Telephone and Telegraph Company has removed all its overhead local service wires on Broadway to the Arlington line, and its trunk lines will be placed underground in a short time.

The Edison Electric Illuminating Company has removed its high tension wires on Broadway as far as Willow avenue, and other wires will be placed underground in a short time.

The Boston Elevated Railway Company has located iron poles, for span and feed wires, on Broadway from Grant to Bartlett streets, and the high wooden poles are being removed.

Pole and line construction done by the various companies has been satisfactory, but a large amount of old construction should be overhauled.

Street Lighting.

The lighting of the streets of the city is very satisfactory, but additional lights could be placed in various sections to good advantage.

A new contract having been made with the Edison Electric Illuminating Company, the lighting of the streets is accomplished at a much smaller cost than heretofore.

The rates under the new schedule are as follows: 425 watt arc lamps, \$36 each per year, and 1½ cents per hour per lamp; forty C. P. incandescents, \$10.80 each per year, and ¼ 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.

	Arcs.	Incan- descents.
Number of street lights January 1, 1909	484	648
Number of street lights added, 1909	11	35
Number of street lights discontinued	5	5
Number of street lights December 31, 1909	490	678

Electrical Department.

CREDIT.	
Appropriation	\$8,500 00
Edison Electric Illuminating Co., grounding wires	125 00
Brown & Simonds Co., fire alarm box	50 00
Cochrane Chemical Co. (carboys returned),	11 50
Total credit	\$8,686 50

DEBIT.	
Salaries	\$5,342 88
Wires, insulators, etc.	783 48
Wagon repairs	4 00
Harnesses and repairing same	54 20
Fire alarm and police signal boxes	1,264 25
Board of horses	431 72
Incidentals	676 09
	<hr/>
Total debit	\$8,556 62
	<hr/>
Amount unexpended	\$129 88

Underground Construction.

CREDIT.	
Appropriation	\$1,500 00
Balance unexpended, 1908	3,171 87
	<hr/>
Total credit	\$4,671 87
DEBIT.	
Labor	\$769 20
Materials	2,965 27
Incidentals	8 50
	<hr/>
Total debit	\$3,742 97
	<hr/>
Amount unexpended	\$928 90

Street Lights.

CREDIT.	
Appropriation	\$50,000 00
DEBIT.	
Edison Electric Illuminating Co., lighting	\$52,298 63
	<hr/>
Amount overdrawn	\$2,298 63

Recommendations.

I respectfully recommend that:—

The old style fire alarm signal boxes, which were installed with the original fire alarm system, be gradually replaced by new and improved boxes.

The police signal system be changed from the present closed circuit system to the 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.

Additional facilities for transportation be furnished this department on account of the rapidly-increasing number of in-

spections and the large territory to be covered, the work could be done more expeditiously.

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.

Area of city, including land and water, about 4.22 square miles.

Population, estimated, 75,500.

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.

Mayor

HON. JOHN M. WOODS.

Water Commissioner

FRANK E. MERRILL.

Office of the Water Department,

Room 10, City Hall.

Department Buildings and Yard,

Çedar street, near Broadway.

REPORT OF THE WATER COMMISSIONER.

OFFICE OF THE WATER COMMISSIONER, }
January, 1910.

To His Honor, the Mayor, and the Board of Aldermen:—

I present herewith my report for the year ending December 31, 1909, this being the thirty-sixth annual report made by the water department, and my tenth as water commissioner:—

Receipts and Expenditures.

Water bills have been issued as follows:—

“Annual” water charges, amounting to	\$109,875 75
“Additional” water charges, amounting to	4,744 46
“Metered” water charges, amounting to	109,994 62
	\$224,614 83

	Annual and Add'l.	Metered.	
Abatements on above charges	\$1,125 52	\$209 89	
Refunds on above charges	153 36	8 64	
Abatements on 1908 charges		2 50	
	\$1,278 88	\$221 03	
			1,499 91

Income from sale of water	\$223,114 92
Amount received from water service assessments	\$3,816 32
Amount received for labor and materials	11,281 41
	\$15,097 73
Refunds on above amounts	21 63
	15,076 10
Total income of water works	\$238,191 02

This amount was used as follows:—

For water works purposes:—

Water works maintenance	\$25,733 77
Water works extension	14,198 08
Miscellaneous accounts	15,097 73
Interest on water loan bonds	2,460 00
Maturing water loan bonds	6,000 00
Metropolitan water works assessment	112,573 20
	\$176,062 78

For other municipal purposes:—

Sewers, maintenance	\$12,000 00
Fire department	38,000 00
Reduction of funded debt	12,128 24
	62,128 24
	\$238,191 02

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		\$30,000 00
Sundry receipts for labor and materials		11,281 41
Materials used in extension of the water works		13,279 50
Amount expended for labor and materials for operation, maintenance, and renewal of the water works	\$25,733 77	
Amount expended for materials used in extension of the water works	13,279 50	
Miscellaneous accounts	11,281 41	
Unexpended balance	4,266 23	
	\$54,560 91	\$54,560 91

WATER WORKS EXTENSION ACCOUNT.

	DR.	CR.
Amount appropriated by board of aldermen from water income		\$15,000 00
Receipts from 211 water service assessments of 1909 and 2 of previous years,		3,816 32
Labor and materials used in extension of the water works	\$14,198 08	
Miscellaneous accounts	3,816 32	
Unexpended balance	801 92	
	\$18,816 32	\$18,816 32

Cost of Water Works.

The total cost of the water works on December 31, 1908, as represented by the expenditures from appropriations for water works extension was	\$908,636 18
Expended during the year 1909, on extension account	14,198 08
Total expenditures, December 31, 1909	\$922,834 26

Water Debt.

Water loan bonds have been issued on funded debt account to the amount of \$1,017,000; this has been reduced by \$961,000, leaving the water debt on December 31, 1909, \$56,000.

The outstanding bonds mature as follows:—

YEAR.	AMOUNT.	YEAR.	AMOUNT.
1910	\$6,000	1916	\$5,000
1911	6,000	1917	5,000
1912	6,000	1918	5,000
1913	6,000	1919	4,000
1914	6,000	1920	2,000
1915	5,000		

Water Works Income from 1898 and its Distribution.

The water income and its distribution from 1898 to 1909, inclusive, is shown in the following table:—

Total water income, years 1898 to 1909, inclusive . . . \$2,648,925 81
Distribution:—

Water Works Account.

Water Works Construction, Renewal, Main- tenance and Operation	\$655,033 92	
Water Bonds	218,000 00	
Interest	74,595 00	
Metropolitan Water Assessments	862,474 72	
		\$1,810,103 64

Other Municipal Accounts.

Sewers {	Construction	\$117,035 65	
	Maintenance	122,450 00	
	Bonds	72,000 00	
	Interest	58,792 00	
	Assessments	31,000 00	
			\$401,277 65
Fire Department, Maintenance		279,026 33	
Health Department, Maintenance		7,500 00	
Suppression of Moths		1,000 00	
Reduction of Funded Debt		148,229 11	
Unappropriated Balances		1,789 08	
			\$2,648,925 81

Extension of Water Distribution System.

STREET MAINS.

The total number of feet of new mains laid, including hydrant, blow-off and waterpost branches, was 9,160; there was removed or abandoned 2,046 feet, making the water pipe mileage of the city approximately 94.27 miles.

The most important work of the year in the distribution department of the work has been the re-location of the water mains and connections made necessary by the elimination of the grade crossing of the Fitchburg railroad in Somerville ave-

nue. The work has continued at intervals for the greater part of the year, in keeping with the progress made by the bridge contractors, and is now practically completed, the only large portion of the work yet to be done being the pipe line over the bridge structure, which cannot be laid until the iron work is in place. The trench work for this job has been done by contractors employed by the Boston & Maine railroad and under their supervision, while the pipes have been furnished and laid by the water department. The entire cost of the work has been charged to the Boston & Maine railroad, and ten per cent. of the amount will, under the statutes, be later assessed back to the city. The general scheme of the re-construction was a double supply, one line running through the low-grade driveway from a point near the beginning of the westerly grade of the bridge to a point beyond the beginning of the easterly grade, crossing the railroad location under the tracks; the other line commencing and ending at the same points as the first one, but lying in the elevated roadway and passing over the bridge structure on brackets just outside the easterly sidewalk. The work in Somerville avenue involved the laying of 2,842 feet of twelve-inch pipe, 206 feet of six-inch pipe, twenty-two feet of four-inch pipe, 166 feet of two-inch pipe, eighteen gate valves, twelve hydrants, and two blow-offs, and removing 1,663 feet of pipe, seven gate valves, and six hydrants. A new twelve-inch water pipe 241 feet long was laid through the new street formed by the widening of Congress place, connecting the main in Linwood street with the high-level pipe line in Somerville avenue; also, a new twelve-inch main 185 feet long was laid through the driveway under the bridge connecting the Linwood-street main with the low-level pipe line in Somerville avenue. Sixty-two feet of pipe were laid in the re-construction of the Linwood and Fitchburg-street mains. The large service connections to the yards of the North Packing & Provision Company, John P. Squire & Co., Boston & Maine railroad, and to the buildings of the Jackson & Newton Company and International Harvester Company were cut off from the old main and connected with the new pipes, with such changes in size and locations as seemed desirable. The original plans submitted by the water commissioner for this work were accepted in full by the Boston & Maine railroad, and the work has been carried on to practical completion with the hearty cooperation of their engineering staff.

Of less magnitude has been the work of re-locating the mains on account of the construction of the Lowell-street bridge, but a considerable amount of labor has been spent in raising 229 feet of old water mains to the new grades in Lowell, Princeton, and Vernon streets, and in extending the ten-inch pipe in Lowell street for a distance of ninety-two feet to the

southerly abutment of the new bridge, and in re-laying services, blow-off and hydrant branches along the line of the re-located mains.

The growth of the city has called for the extension of the distribution mains in the following streets: Acadia park, 204 feet six-inch pipe; Boston avenue, 374 feet eight-inch pipe; Chetwynd road, 383 feet eight-inch pipe; Conwell avenue, 207 feet ten-inch pipe; Dickson street, 156 feet six-inch pipe; Hill street, 360 feet six-inch pipe; Kenneson road, 42 feet eight-inch pipe; Liberty road, 90 feet two-inch pipe; Mason street, 189 feet ten-inch pipe; Meacham street, 129 feet two-inch pipe; Ossipee road east, 666 feet eight-inch pipe; Pearson road, 333 feet eight-inch pipe; Powder House boulevard, 749 feet ten-inch pipe; Somerville avenue (westerly end), 248 feet six-inch pipe; Talbot avenue, 84 feet twelve-inch pipe; Victoria street, 93 feet two-inch pipe; Walker street, 358 feet eight-inch pipe; Walnut road, 85 feet six-inch and two-inch pipe. In addition to the above, 365 feet of pipe of various sizes have been laid on short extensions and hydrant, blow-off, and waterpost connections.

Trench work, excavating, and re-filling for water pipes was done by contract labor in the following streets and at prices named:—

Street.	Feet of Trench.	Cu. Yards Rock.	Contractor.	TRENCH WORK.		Total Cost of Trench Work.	Average Cost per foot of Trench Work.
				Earth. Lin. Ft.	Rock. Cu. Yd.		
Chetwynd road	343.2	103.1	B. Burke . . .	\$.28	\$2.70	\$374.47	\$1.09
Ossipee road east	632.	18	T. F. Crimmings	.39	3.00	300.48	0.475
Powder House boulevard	655.3	33	T. F. Crimmings	.34	2.50	319.39	0.487

The pipes and all materials required were furnished, and the pipe-laying done in each street by the water department.

Hydrants, Gates, etc.

Thirty-four fire hydrants were set and sixteen removed, making a net addition of eighteen, and the total number in the city 1,056. Forty-seven new gate valves of various sizes were installed, and fifteen removed or abandoned, the net increase in number being thirty-two, and the total number in use 1,454. Three blow-offs were installed, one in Acadia park to clear the water from the dead end, and two in Somerville avenue to draw the water from the pipe over the Fitchburg railroad bridge. No new waterposts were installed; seven were re-set in new

The meters installed in 1909 were classed as follows:—

Applications of property owners	322
New services	201
General installation	315
Reset	32
	<hr/>
Total	870

Meters were removed for the following causes:—

Vacancies and temporary non-use of water	35
Services permanently discontinued	5
Replaced by other meters	8
	<hr/>
Total	48

The following table gives a summary of the pipes and fixtures of the water system December 31, 1909:—

Summary of Pipes and Fixtures.

Feet of main pipe (approximately)	497,745
Feet of service pipe (approximately)	411,966
Service connections (approximately)	12,018
Public fire hydrants	1,056
Private fire hydrants	47
Gates	1,454
Check valves	7
Meters	5,147
Motor registers	8
Waterposts	82
Blow-offs	141
Drinking fountains and troughs	8

Maintenance and Operation.

The fixtures and appurtenances connected with the distribution system, hydrants, valves, meters, etc., have had their usual inspection, and repairs and changes have been made where it has been found necessary. No serious breaks or leaks have occurred during the year, and the system is believed to be in excellent condition. Eleven joint leaks on main pipes and 132 service leaks have been discovered and repaired during the year, and 102 service pipes have been replaced. One hundred and thirty-three meters were found not operating, and were removed and repaired, the causes of their defective condition being classed as follows: Broken disks, twenty-five; defective registers, sixteen; defective gear trains, ten; worn-out gear trains, eleven; freezing, sixteen; hot water, four; dirt, sediment, and similar obstructions, nineteen; miscellaneous defects in gears, spindles, screws, etc., inside the meters, sixteen; noisy meters, sixteen.

The shop, stable, and yard of the department have been kept up to their usual standard, with the possible exception of the teaming equipment. The use of motor carriages for some of the branches of department work has been tried out during the past three years, and while the vehicles used have not been of such a type as to give the best possible results, the experience with them has fully demonstrated the value and economy of such motive power, and it is hoped that, for the good of the service, a portion of the horse equipment may soon be supplanted or strengthened by the purchase of two motor vehicles. The department shop is well fitted with machinery, tools, and skilled labor, so that the ordinary repairs of such vehicles could be made in our own plant at minimum expense, and I am convinced from accumulated experience that the upkeep of a motor equipment would be considerably less per year than that of horse equipment, and would be of much greater efficiency in carrying on certain parts of the department work, especially "hurry-up" jobs, emergency work, and other light service. The increasing use of water meters requires a large amount of additional running about the city for installation, inspection, and light repairs, and some provision must at once be made for the men in charge of this work to get around speedily, either by the purchase of new horses and light wagons, or by motor vehicles. Other cities are adopting the latter mode of transportation, and it is hoped by your commissioner that their progressive methods may soon be approved for use, to the needed extent, in our own team department.

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
				\$862,474 72

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 1909:—

Month.	Gallons.	Month.	Gallons.
January	6,974,100	July	6,508,300
February	6,862,700	August	6,166,300
March	6,532,300	September	5,959,800
April	6,272,200	October	6,017,600
May	6,357,500	November	5,760,700
June	6,493,900	December	6,016,000

The total consumption for the year is 2,310,815,000 gallons, making an average daily consumption of 6,331,000 gallons.

The average daily quantity of water used in Somerville during 1909 was eighty-four gallons per inhabitant, a decrease of five gallons from the previous year's consumption; the average for the entire district was 123 gallons daily 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 1909, as registered by the metropolitan meters:—

City or Town.	For the												
	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year.
Boston	166	162	156	155	151	149	148	145	140	138	134	141	149
Somerville	93	92	87	84	85	86	86	82	79	80	76	79	84
Malden	43	43	41	41	41	47	50	48	46	46	44	43	45
Chelsea	99	98	94	91	86	87	86	88	79	76	72	73	85
Everett	90	87	81	80	81	84	82	80	75	72	69	73	79
Quincy	79	80	84	86	88	97	115	114	100	96	93	82	93
Medford	82	83	81	83	86	87	87	80	77	71	67	67	79
Melrose	61	61	58	60	64	71	71	66	63	61	60	55	63
Revere	84	83	77	76	83	97	103	102	89	76	69	73	84
Watertown	59	60	59	59	61	65	72	64	54	55	54	56	60
Arlington	68	68	70	71	77	92	115	99	83	78	73	71	81
Milton	33	36	34	37	42	46	51	46	43	43	37	34	40
Winthrop	93	96	95	99	103	122	137	110	90	76	68	65	96
Stoneham	84	84	79	74	85	89	99	105	92	83	82	86	87
Belmont	62	50	53	56	60	77	91	78	58	61	50	47	62
Lexington	48	52	59	64	69	84	101	90	75	62	55	50	68
Nahant	60	52	52	56	58	68	75	68	66	65	74	70	67
Swampscott	47	45	45	52	53	70	86	77	57	49	46	46	58
Metropolitan Dist.	136	133	128	127	125	126	127	123	117	115	111	115	123

The district, in order of consumption, beginning with the lowest, stands as follows:—

City or Town.	Gallons.		City or Town.	Gallons.	
	Total per Day.	Per Capita per Day.		Total per Day.	Per Capita per Day.
1—Milton	313,200	40	9—Medford	1,732,300	79
2—Malden	1,848,500	45	10—Arlington	861,300	81
3—Swampscott ...	388,200	58	11—Somerville ..	6,331,000	84
4—Watertown ...	755,300	60	11—Revere	1,248,700	84
5—Belmont	310,100	62	12—Chelsea	2,869,400	85
6—Melrose	962,300	63	13—Stoneham	585,000	87
7—Nahant	124,400	67	14—Quincy	2,919,000	93
8—Lexington	329,400	68	15—Winthrop	877,600	96
9—Everett	2,641,300	79	16—Boston	94,029,900	149

Meterage.

In accordance with the provisions of the Water Act passed by the legislature of 1907, 838 meters were installed, the number of services now equipped being about forty-three per cent. of the total in use. About fifty-one per cent. of the total receipts from sale of water was from unmetered premises, and forty-nine per cent. from those that were metered.

The number of applications for meters was 322, as against 611 in the previous year, and 315 were set on general installation where but 144 were set during 1908. The installation on new services increased from 147 in 1908 to 201 during the past year. A large number of the meters were set in the district bounded by Somerville avenue, Washington street, and Joy street, and a number of streets in other parts of the city which were partially metered were filled in to completion.

A new method of billing metered water accounts has been devised and put into operation during the past year, and has worked very satisfactorily. The city has been divided into three districts: District 1, East Somerville, comprising the territory easterly of a line through Walnut, Bow, Hawkins, and Washington streets; District 2, Central Somerville, the territory between the above-described line and a line passing through Cedar and Mossland streets; and District 3, West Somerville, all the territory westerly from the last-described line. Meters in District 1 are read in March, June, September, and December; in District 2 in January, April, July, and October; and in District 3 in February, May, August, and November; and bills are rendered on the first day of the month following that in which they were read. By this method of reading and billing, an equilibrium of work is established throughout the year in the meter accounting department, and the city is saved a considerable expense in meter reading and clerical employment.

The water furnished by the Metropolitan water works has in general been of a good quality, but during the early part of the year much complaint was received on account of a disagreeable taste and odor. The trouble was most noticeable in the low-service districts of the city, the section supplied by the high-service mains from Spot Pond reservoir being practically exempt. The disturbance was caused by disagreeable, but harmless, microscopic organisms in the water, which disappeared after a few weeks.

The water consumption dropped from an average of eighty-nine in 1908 to eighty-four gallons per capita daily for the past year, and there was a general reduction noted in the consumption throughout the entire district, due in large part undoubtedly to the progressive metering carried on by the cities and towns in the district.

The accompanying tables cover further details of the year's work, and are made a part of this report.

Respectfully submitted,

FRANK E. MERRILL,

Water Commissioner.

Gates Set in New Locations.

- Acadia park, 6-inch gate, set 13 feet 4 inches out from west line, on north line of Somerville avenue.
- Acadia park, 2-inch gate, set 13 feet 4 inches out from west line and 246 feet north from Somerville avenue; for blow-off.
- Boston avenue, 2-inch gate; set 17 feet north from Pearson avenue; for waterpost.
- Boston avenue, 2-inch gate, set opposite Pritchard avenue; for waterpost.
- Boston avenue, 8-inch gate, set 13 feet 4 inches out from east line, on south line of Frederick avenue.
- Central street, 2-inch gate, set 89 feet north from Highland avenue; for waterpost.
- Chetwynd road, 8-inch gate, set 13 feet 4 inches out from south line, on west line of Curtis street.
- Congress place, 12-inch gate, set 16 feet 8 inches out from west line, on north line of Somerville avenue.
- Congress place, 12-inch gate, set 16 feet 8 inches out from west line, on south line of Linwood street.
- Conwell avenue, 10-inch gate, set 13 feet 4 inches out from south line, on east line of unnamed street running north from Conwell avenue 667 feet west from Curtis street.
- Dickson street, 6-inch gate, set 13 feet 4 inches out from west line, on south line of Fairmount avenue.
- Fitchburg street (extension into low-grade driveway on southerly side of Somerville avenue), 12-inch gate, set on south line of Linwood street, 15 feet out from foot of westerly abutment of bridge over Fitchburg railroad.
- Hill street, 6-inch gate, set 13 feet 4 inches out from west line, on north line of Broadway.
- Hill street, 6-inch gate, set 13 feet 4 inches out from west line, on south line of Fairmount avenue.
- Kenneson road, 8-inch gate, set 13 feet 4 inches out from east line, on south line of Broadway.
- Landers street, 2-inch gate, set 20 feet out from north line, on west line of School street.
- Liberty road, 2-inch gate, set 5 feet 6 inches out from east line, on south line of Appleton street.
- Linwood street, 12-inch gate, set 17 feet 6 inches out from south line, on west line of Fitchburg street.
- Lowell street, 12-inch gate, set 13 feet 4 inches out from west line and 17 feet south from north line of Vernon street.
- Medford street, 2-inch gate, set 24 feet north from Highland avenue; for waterpost.
- Ossipee road, east, 8-inch gate, set 13 feet 4 inches out from north line, on west line of unnamed street about 650 feet east from Packard avenue.
- Ossipee road, east, 8-inch gate, set 13 feet 4 inches out from north line, on east line of Packard avenue.
- Powder House boulevard, 10-inch gate, set 17 feet out from south line, on east line of Packard avenue.
- Powder House boulevard, 10-inch gate, set 17 feet out from south line, on east line of unnamed street running south from Powder House boulevard about 700 feet east from Packard avenue.
- Princeton street, 6-inch gate, set 13 feet, 4 inches out from south line, on west line of Lowell street.
- School street, 2-inch gate, set 188 feet north from Highland avenue; for waterpost.

- Somerville avenue, 2-inch gate, set 150 feet west from Congress place; for waterpost.
- Somerville avenue, 12-inch gate, set 147 feet west from west line of Congress place and 25 feet out from north line of Somerville avenue; set on main line over bridge, on west side of loop connection.
- Somerville avenue, 12-inch gate, set 12 feet west from top of westerly abutment of bridge over Fitchburg railroad and 20 feet out from north line of Somerville avenue, on the high grade.
- Somerville avenue, 12-inch gate, set 20 feet east from top of easterly abutment of bridge over Fitchburg railroad and 12 feet out from north line of Somerville avenue, on the high grade.
- Somerville avenue, 12-inch gate, set 45 feet west from westerly line of Squire's box mill and 25 feet out from north line of Somerville avenue.
- Somerville avenue, 12-inch gate, set in loop line 134 feet west from west line of Congress place and 39 feet out from north line of Somerville avenue.
- Somerville avenue, 12-inch gate set in loop line 16 feet west from westerly line of Fitchburg railroad location and 7 feet out from south line of low-grade driveway, on southerly side of Somerville avenue, on westerly side of branch running to Linwood street through Fitchburg-street extension.
- Somerville avenue, 12-inch gate, set in loop line 12 feet west from westerly line of Fitchburg railroad location and 7 feet out from south line of low-grade driveway, on southerly side of Somerville avenue, on easterly side of branch running to Linwood street through Fitchburg-street extension.
- Somerville avenue, 12-inch gate, set in loop line 128 feet west from line of easterly abutment of bridge over Fitchburg railroad and 15 feet 6 inches out from south line (extended) of low-grade driveway, on southerly side of Somerville avenue; set in reservation occupied by spur tracks leading into yard of J. P. Squire & Co., 2 feet east from easterly line of Fitchburg railroad location and 8 feet west from gate on pipe running to yard of North Packing & Provision Co.
- Somerville avenue, 12-inch gate, set in loop line 135 feet east from line of easterly abutment of bridge over Fitchburg railroad and 15 feet 6 inches out from south line of low-grade driveway, on southerly side of Somerville avenue; set 5 feet west from gate on branch running to J. P. Squire's pumps.
- Somerville avenue, 12-inch gate, set in loop line 7 feet east from easterly end of southerly retaining wall of bridge over Fitchburg railroad and 21 feet 6 inches out from south line of low-grade driveway, on southerly side of Somerville avenue.
- Somerville avenue, 12-inch gate, set in loop line 7 feet east from easterly end of northerly retaining wall of bridge over Fitchburg railroad and 16 feet 6 inches out from north line of Somerville avenue, in entrance to low-grade driveway on northerly side of street.
- Somerville avenue, 12-inch gate, set in loop line 11 feet east from foot of steps at end of low-grade driveway on northerly side of Somerville avenue and 7 feet out from the north line of the driveway, on easterly side of 12-inch branch running into Boston & Maine railroad yard.
- Somerville avenue, 12-inch gate, set in loop line 1 foot east from foot of steps at end of low-grade driveway on northerly side of Somerville avenue and 7 feet out from the north line of the driveway, on westerly side of 12-inch branch running into Boston & Maine railroad yard.

- Somerville avenue, 6-inch gate, set 145 feet west from west line of Congress place and 11 feet out from south line of Somerville avenue; set on hydrant branch 1 foot out from the hydrant.
- Somerville avenue, 6-inch gate, set 312 feet west from East Cambridge city line and 14 feet out from north line of Somerville avenue; set on hydrant branch 3 feet out from the hydrant.
- Somerville avenue, 4-inch gate, set 16 feet west from top of westerly abutment of bridge over Fitchburg railroad and 15 feet out from north line of Somerville avenue; set on blow-off branch to drain pipe running over bridge.
- Somerville avenue, 4-inch gate, set 23 feet east from top of easterly abutment of bridge over Fitchburg railroad and 2 feet out from north line of Somerville avenue, in sidewalk; set on blow-off branch to drain pipe running over bridge.
- Temple street, 2-inch gate, set 31 feet north from Broadway; for waterpost.
- Unnamed street off Powder House boulevard, 10-inch gate, set 13 feet 4 inches out from west line, on south line of Powder House boulevard.
- Walker street, 8-inch gate, set 13 feet 4 inches out from south line, on north line of Broadway.

Gates Removed.

- Boston avenue, 2-inch gate removed from opposite Highland road; for waterpost.
- Boston avenue, 2-inch gate removed from 17 feet north from Pearson avenue; for waterpost.
- Highland avenue, 2-inch gate removed from 15 feet west from Central street; for waterpost.
- Highland avenue, 2-inch gate removed from 50 feet west from Putnam street; for waterpost.
- Highland avenue, 2-inch gate removed from 44 feet west from Hamlet street; for waterpost.
- Linwood street, 6-inch gate removed from west line of Fitchburg street, 15 feet out from south line of Linwood street.
- Princeton street, 6-inch gate removed from 13 feet 4 inches out from south line, on west line of Lowell street.
- Somerville avenue, 2-inch gate removed from 246 feet east from Poplar street; for waterpost.
- Somerville avenue, 12-inch gate removed from west line of Fitchburg street, 25 feet out from north line of Somerville avenue; on old line.
- Somerville avenue, 12-inch gate removed from 35 feet east from easterly line of Fitchburg railroad location, 25 feet out from north line of Somerville avenue; on old line.
- Somerville avenue, 2-inch gate removed from 175 feet east from Fitchburg railroad crossing; for waterpost.
- Somerville avenue, 12-inch gate removed from 12 feet west from west line of house No. 49, 25 feet out from north line of Somerville avenue, on westerly side of branch running into Boston & Maine railroad yard; on old line.
- Somerville avenue, 12-inch gate removed from 3 feet west from west line of house No. 49, 25 feet out from north line of Somerville avenue, on easterly side of branch running into Boston & Maine railroad yard; on old line.
- Somerville avenue, 6-inch gate removed from hydrant branch from old line 368 feet west from Franklin court.

Temple street, 2-inch gate removed from 124 feet south from Heath street; for waterpost.

GATES — RECAPITULATION.

GATES.	1¼"	1½"	2"	3"	4"	6"	8"	10"	12"	Total.
Set	—	—	10	—	2	7	6	4	18	47
Removed	—	—	8	—	—	3	—	—	4	15

Net increase in number of gates in 1909 32
 Total number of gates in the city December 31, 1909 . 1,454

The following changes have been made in locations of waterposts:—

- Boston avenue, set 17 feet north from Pearson avenue.
- Boston avenue, set opposite Pritchard avenue.
- Central street, set 89 feet north from Highland avenue.
- Medford street, set 24 feet north from Highland avenue.
- School street, set 188 feet north from Highland avenue.
- Somerville avenue, set 150 feet west from Congress place.
- Temple street, set 31 feet north from Broadway.
- Boston avenue, removed from opposite Highland road.
- Boston avenue, removed from 17 feet north from Pearson avenue.
- Highland avenue, removed from 15 feet west from Central street.
- Highland avenue, removed from 50 feet west from Putnam street.
- Highland avenue, removed from 44 feet west from Hamlet street.
- Somerville avenue, removed from 246 feet east from Poplar street.
- Somerville avenue, removed from 175 feet east from Fitchburg railroad crossing.
- Temple street, removed from 124 feet south from Heath street.

Hydrants Set in New Locations.

- Aberdeen road, 237 feet west from Cedar street, 6-inch Mathews.
- Acadia park, 186 feet north from Somerville avenue, 6-inch Mathews.
- Boston avenue, 289 feet north from Morrison avenue, 6-inch Mathews.
- Bromfield road, 267 feet south from Dearborn road, 6-inch Corey.
- Dickson street, 119 feet south from Fairmount avenue, 6-inch Holyoke Compression.
- Kensington avenue, 316 feet north from Broadway, 6-inch Mathews.
- Marion street, 40 feet east from Dimick street, 6-inch Pratt & Cady.
- Mystic avenue, 115 feet east from Austin street, 6-inch Holyoke G.
- Ossipee road, east, 41 feet west from unnamed street 650 feet east from Packard avenue, 6-inch Mathews.
- Pearson road, 131 feet south from Dearborn road, 6-inch Corey.
- Pearson road, 436 feet south from Dearborn road, 6-inch Corey.
- Pearson road, 81 feet north from Warner street, 6-inch Corey.
- Powder House boulevard, 319 feet east from Packard avenue, 6-inch Holyoke G.
- Princeton street, 175 feet west from Lowell street, 6-inch Corey.
- Sawyer avenue, 25 feet west from Packard avenue, 6-inch Holyoke G.
- Somerville avenue, 96 feet west from Acadia park, 6-inch Holyoke G.
- Somerville avenue, 145 feet west from Congress place, 6-inch Mathews
- Somerville avenue, 13 feet east from Congress place, 6-inch Coffin,

Somerville avenue, 313 feet east from Congress place, 6-inch Mathews.
 Somerville avenue, 872 feet west from East Cambridge line, 6-inch Mathews.
 Somerville avenue, 670 feet west from East Cambridge line, 6-inch Holyoke Compression.
 Somerville avenue (No. low level), 650 feet west from East Cambridge line, 6-inch Holyoke G.
 Somerville avenue, 312 feet west from East Cambridge line, 6-inch Mathews.
 Walnut road, 268 feet west from Walnut street, 6-inch Mathews.
 Whitfield road, 85 feet west from Packard avenue, 6-inch Holyoke G.

Hydrants Removed.

Lowell street, 3 feet south from Princeton street, 6-inch Holyoke G.
 Somerville avenue, 464 feet east from Poplar street, 4-inch Boston Machine.
 Somerville avenue, 153 feet west from Linwood street, 6-inch Holyoke G.
 Somerville avenue, 20 feet east from Fitchburg railroad crossing, 6-inch Coffin.
 Somerville avenue, 368 feet west from Franklin court, 6-inch Mathews.
 Somerville avenue, 262 feet west from Franklin court, 6-inch Holyoke G.
 Somerville avenue, 23 feet east from Franklin court, 6-inch Mathews.

Hydrant Renewal Account.

The following changes have been made in hydrants:—

Alpine street, 6-inch Chapman hydrant, set 76 feet west from Princeton street, in place of 4-inch Bigelow hydrant.
 Conwell avenue, 6-inch Corey hydrant, set 460 feet west from Curtis street, in place of 4-inch Bigelow hydrant.
 Cross street, 6-inch Holyoke G. hydrant, set 6 feet north from Pearl street, in place of 6-inch Chapman hydrant.
 Fellsway West, 6-inch Corey hydrant, set 11 feet north from Broadway, in place of 6-inch Holyoke hydrant.
 Highland avenue, 6-inch Mathews hydrant, set 14 feet west from corner of Medford street, in place of 6-inch Pratt & Cady hydrant.
 Highland avenue, 6-inch Mathews hydrant, set 114 feet west from School street, in place of 6-inch Holyoke hydrant.
 Medford street, 6-inch Mathews hydrant, set 21 feet north from Somerville avenue, in place of 4-inch Holyoke hydrant.
 South street, 6-inch Holyoke hydrant, set 25 feet west from Hunting street, in place of 6-inch Chapman hydrant.
 Warren avenue, 6-inch Corey hydrant, set 48 feet north from Bow street, in place of 6-inch Holyoke G. hydrant.

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.

STREET MAINS, GATES, HYDRANTS, ETC., SET AND REMOVED IN 1909.

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.
Aberdeen road Acadia park	Hydrant. Street main; from main in Somerville avenue to point 246' north from Somerville avenue. Hydrant. Blow-off.	6" 6" 2" 6" 2"	24 204 59 7 19			6"	1			6"	1								
Alpine street Boston avenue	Street main; from connection with old pipe at point 237' north from Morrison avenue to gate set on south line of Frederick avenue.	8"	374			8"	1			6"	1	4"	1	2"	1				
Boston avenue Boston avenue Bromfield road Central street Chetwynd road Congress place Conwell avenue	Hydrant. Waterposts. Hydrant. Waterpost. Street main; from main in Curtis street to point 356' west from Curtis street. Street main; from main in Linwood street to main in Somerville avenue. Street main; from connection with old main at point 460' west from Curtis street to point 667' west from Curtis street.	6" 2" 6" 2" 8" 12" 10"	7 33 7 7 383 241 207	2"	44	2"	2	2"	2	6"	1							2	2
Conwell avenue Cross street Dickson street	Hydrant. Hydrant. Street main; from main in Fairmount avenue to connection with old pipe 129' south from Fairmount avenue.	6"	156			6"	1			6"	1	4"	1						
Dickson street Fellsway West Fitchburg street Fitchburg street ext.	Hydrant. Hydrant. Street main; from main in Linwood street, northerly. Street main; from main in Linwood street to main in Somerville avenue, low grade driveway.	6" 12" 12"	7 32 185	6"	32	12"	1			6"	1	6"	1						
Highland avenue Highland avenue Hill street Kenneson road Kensington avenue	Hydrants. Waterposts. Street main; from main in Broadway to main in Fairmount avenue. Street main; from main in Broadway to point 12' south from Broadway. Street main; from point 311' north from Broadway to point 317' north from Broadway.	6" 8" 6"	360 42 6	2"	57	6"	2	2"	3	6"	2	6"	2						3
Kensington avenue Landers street	Hydrant. Street main; from point 182' west from School street to point 198' west from School street.	6" 2"	6 16			2"	1			6"	1								
Liberty road Linwood street	Street main; from main in Appleton street to point 77' south from Appleton street. Street main; from gate on west line of Fitchburg street, westerly 5' and easterly 25'.	2" 8" 12"	90 5 25			2"	1			6"	1								
Lowell street	Street main; from point 31' south from south line of Princeton street to point 13' north from south line of Princeton street.	10"	44	10"	44			6"	1			6"	1						
Lowell street	Street main; from connection with main at point 13' north from south line of Princeton street to point 63' north from north line of Princeton street.	10"	92	6"	5														
Lowell street Marion street Mason street Mecham street Medford street Medford street Mystic avenue Ossipee road, East Ossipee road, East Pearson road	Gate. Hydrant. Street main; from main in Powder House boulevard to main in Ossipee road, east. Street main; from main in Fremont street to point 117' west from Fremont street. Hydrant. Waterpost. Hydrant. Street main; from main in Packard avenue easterly to main in Mason street. Hydrant. Street main; from connection with main 199' south from Dearborn road to connection with main 532' south from Dearborn road.	6" 10" 2" 2" 6" 8" 6" 8"	6 189 129 26 13 666 7 333			10"	1			6"	1								
Pearson road Powder House boulevard Princeton street	Hydrants. Street main; from main in Packard avenue to point 729' east from east line of Packard avenue. Hydrant. Street main; from old main at point 175' west from Lowell street to connection with relaid main in Lowell street.	6" 10" 6"	22 749 2			10"	2			6"	3								
Powder House boulevard Princeton street	Hydrant. Street main; from old main at point 175' west from Lowell street to connection with relaid main in Lowell street.	6" 6"	2 185	6"	185	6"	1	6"	1	6"	1								
Princeton street Sawyer avenue School street Somerville avenue	Hydrant. Hydrant. Waterpost. Street main; from connection with old main at point 70' west from Beacon terrace to point 96' west from west line of Acadia park.	6" 6" 2" 6" 6"	5 7 26 248 6			2"	1			6"	1								
Somerville avenue	Hydrant. Street main (account Grade Crossing Elimination); from point in old main 80' west from Congress place to top of westerly abutment of bridge, and from top of easterly abutment of bridge to point in old main 310' west from East Cambridge line.	12" 6"	1,255 6	12"	1,509	12"	4	12"	4	6"	1								
Somerville avenue Somerville avenue Somerville avenue Somerville avenue	Hydrants (account Grade Crossing Elimination). Blow-offs (account Grade Crossing Elimination). Waterposts (account Grade Crossing Elimination). Street main (account Grade Crossing Elimination); from connection with old main at point 145' west from Congress place to connection with old main at point 7' east from easterly end of retaining wall of bridge over Fitchburg Railroad. This is a loop line through southerly low grade driveway and under F. R. R. tracks.	6" 4" 2" 2" 12"	172 22 156 10 1,587	6"	128	6" 4" 2"	2 2	6" 2	1	6"	6	6" 4"	5 1	2"	2			1	2
Somerville avenue South street Talbot avenue	Hydrants (account Grade Crossing Elimination). Hydrant. Street main; from point 109' east from Latin Way to point 193' east from Latin Way.	6" 12" 2"	34 84 11			6" 6"	1 1	6"	1	6"	1	6"	1						
Temple street Unnamed street off Conwell avenue Victoria street	Waterpost. Street main; from main in Conwell avenue to point 12' northerly. Street main; from main in Woodstock street to point 66' south from Woodstock street.	2" 6" 2"	93 12 93	2"	11	2"	1	2"	1									1	1
Walker street Walnut road	Street main; from main in Broadway to point 310' north from Broadway. Street main; from connection with main at point 250' west from Walnut street to point 335' west from Walnut street.	8" 6" 2" 6"	358 18 67 17			8"	1			6"	1	6"	1						
Walnut road Warren avenue Whitfield road	Hydrant. Hydrant. Hydrant.	6" 6" 6"	7 7 7							6" 6" 6"	1 1 1	6"	1						
			9,160		2,046		47		15		34		16		3			7	8

Register

NAME	RESIDENCE
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- 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, 263 feet south from Summer 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.
 31 feet east from Spring street.
- Belmont street, 206 feet north from Spring Hill terrace.
 241 feet north from Summer street.
 243 feet south from Summer street.

- Belmont 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.
- 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.
 65 feet north from Highland road.
 23 feet east from Pearson avenue.
 289 feet north from Morrison avenue.
- Boston street, 11 feet west from Prospect Hill avenue.
 207 feet west from Bigelow street.
 87 feet east from Bigelow street.
 6 feet north from Munroe street.
- Bow street, 102 feet north from Warren avenue.
 23 feet west from Wesley park.
 25 feet east from Bow-street place.
 74 feet north from Walnut street.
- Bow-street place, 193 feet west from Bow street.
- Bowdoin street, 65 feet north from Fremont avenue.
- Bradley street, 26 feet south from Veazie street.
- Brastow avenue, 202 feet east from Porter street.
 115 feet west from Lowell street.
- Broadway, 50 feet east from Mt. Pleasant street.
 20 feet west from George street.
 21 feet west from Broadway place.
 83 feet east from Cutter street.
 7 feet east from Glen street.
 21 feet east from Rush street.
 15 feet west from Cross street.
 7 feet west from Autumn street.
 6 feet west from Montgomery avenue.
 33 feet west from Walnut street.
 4 feet east from Sargent avenue.
 3 feet west from Melvin street.
 157 feet west from Grant street.
 117 feet east from Marshall street.
 62 feet west from Marshall street.
 4 feet west from School street.
 10 feet west from Thurston street.
 209 feet east from Central street.
 104 feet west from Norwood avenue.
 15 feet west from City road.

- Broadway, 288 feet east from Cedar street.
Opposite Cedar street.
5 feet east from Wilson avenue.
252 feet west from Wilson avenue.
115 feet west from Rogers avenue.
236 feet west from Liberty avenue.
175 feet west from College avenue.
6 feet west from Billingham street.
9 feet west from Packard avenue.
32 feet east from Westminster street.
237 feet east from Endicott avenue.
6 feet west from Endicott avenue.
9 feet west from Garrison avenue.
330 feet west from Waterhouse street.
- Broadway park, near the pond.
- Bromfield road, 179 feet north from Warner street.
567 feet north from Warner street.
267 feet south from Dearborn road.
- Brook street, 18 feet west from Rush street.
- Browning road, 302 feet west from Sycamore street.
136 feet east from Central street.
- Buckingham street, 2 feet south from Dimick street.
- Burnside avenue, 259 feet north from Elm street.
120 feet south from Summer street.
- Calvin street, 186 feet south from Beacon street.
- Cambria street, 131 feet west from Central street.
- Cameron avenue, 166 feet south from Holland street.
Opposite Mead street.
26 feet south from Glendale avenue.
- Campbell park, 258 feet west from Meacham road.
- Cedar street, 226 feet south from Sartwell avenue.
98 feet north from Sartwell avenue.
61 feet north from Hall street.
22 feet south from Highland avenue.
12 feet north from Highland avenue.
10 feet north from Albion street.
124 feet south from Warwick street.
50 feet north from Clyde street.
24 feet south from Murdock street.
270 feet south from Broadway.
- Central street, 50 feet south from Broadway.
6 feet north from Forster street.
27 feet north from Vernon street.
5 feet north from Pembroke street.
187 feet south from Vernon street.
9 feet north from Willoughby street.
92 feet north from Highland avenue.
9 feet south from Highland avenue.
6 feet north from Oxford street.
23 feet south from Avon street.
14 feet south from Summer street.
- Chandler street, 16 feet south from Broadway.
206 feet north from Park avenue.
- Chapel street, 14 feet east from Chandler street.
- Charles street, 183 feet south from Washington street.
- Charnwood road, 79 feet west from Hancock street.
- Cherry street, 7 feet south from Sartwell avenue.
254 feet north from Sartwell avenue.
252 feet north from Summer street.
26 feet south from Highland avenue.

- Chester street, 15 feet north from Chester place.
 Chestnut street, 480 feet south from Poplar street.
 246 feet south from Poplar street.
 Church street, 9 feet south from Summer street.
 300 feet south from Summer street.
 16 feet south from Somerville avenue.
 29 feet north from Somerville avenue.
 12 feet north from Lake street.
 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.
 Conwell avenue, 20 feet west from Curtis street.
 460 feet west from Curtis street.
 Conwell street, 6 feet south from Highland avenue.
 3 feet north from Francis street.
 Cooney street, 98 feet north from Line street.
 Cottage avenue, 206 feet west from Russell street.
 Craigie street, 216 feet south from Summer street.
 232 feet north from Kimball street.
 77 feet south from Kimball street.
 126 feet north from Somerville avenue.
 Crescent street, 125 feet south from Pearl street.
 Crocker street, 4 feet south from Highland avenue.
 8 feet north from Crown street.
 Cross street, 32 feet north from Cross-street place.
 6 feet north from Pearl street.
 62 feet north from Flint street.
 16 feet north from Gilman street.
 13 feet south from Auburn avenue.
 39 feet north from Alston street.
 Curtis avenue, 206 feet west from Curtis street.

- Curtis street, 6 feet north from Broadway.
3 feet south from Electric avenue.
137 feet north from Ware street.
3 feet south from Raymond avenue.
34 feet south from Professors row.
225 feet north from Professors row.
- Cutter avenue, 11 feet south from Highland avenue.
Cutter square, 95 feet west from Cutter avenue.
Cutter street, 95 feet south from Broadway.
444 feet south from Broadway.
- 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.
- 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.

- Elmwood 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, 7 feet north from Broadway.
Fellsway West, 11 feet north from Broadway.
 437 feet south from Mystic avenue.
Fenwick street, 40 feet north from Broadway.
Fiske 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.
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.
Fountain avenue, 280 feet west from Glen 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.

- Glen 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 Beech 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 West street.
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.

- Highland avenue, 35 feet east from Hancock street.
 4 feet west from Hancock street.
 44 feet east from Willow avenue.
 3 feet west from Willow avenue.
 59 feet east from West street.
 36 feet west from West street.
 36 feet east from Grove street.
 6 feet west from Grove street.
 218 feet west from Grove street.
 64 feet east from Davis square.
- Highland road, 264 feet north from Morrison avenue.
 83 feet south from Frederick avenue.
 175 feet north from Frederick avenue.
 221 feet south from Boston avenue.
- Hinckley street, 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.
 Laurel street, 50 feet north from Greene street.
 8 feet north from Park place.
 Lawrence street, 12 feet south from Richardson street.
 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 of 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.
 Lowden avenue, 85 feet south from Broadway.
 8 feet south from Mallet street.
 178 feet north from Kidder avenue.
 27 feet south from Kidder avenue.
 Lowell street, 1 foot north from Fiske avenue.
 50 feet north from Richardson street.
 183 feet south from Richardson street.
 124 feet south from Wilton street.
 Opposite Vernon 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.

- Main street, 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.

- Moore 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.

- North street, 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, east, 44 feet west from Mason street.
- Ossipee road, 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.

- Perkins 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 Parker place.
- Powder House boulevard, 133 feet northwest from Broadway.
 560 feet northwest from Broadway.
 319 feet east from Packard avenue.
 191 feet west from Packard avenue.
 172 feet east from Curtis street.
 197 feet west from Curtis street.
 528 feet west from Curtis street.
- Prescott street, 330 feet south from Highland avenue.
 586 feet south from Highland avenue.
 257 feet north from Summer street.
- Preston road, 269 feet west from School street.
 166 feet south from Summer street.
- Princeton street, 175 feet west from Lowell street.
- 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 Hill avenue, 10 feet north from Munroe 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.
- 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.
 331 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.

- Rogers avenue, 88 feet south from Frederick avenue.
255 feet north from Morrison avenue.
- Rossmore street, 244 feet south from Washington street.
- Rush street, 84 feet south from Pearl street.
11 feet north from Pearl street.
128 feet north from Brook street.
- Russell road, 11 feet north from Broadway.
312 feet north from Broadway.
- Sacramento street, 5 feet south from Miller street.
128 feet south from Beacon street.
- Sanborn avenue, 55 feet east from Walnut street.
- Sargent avenue, 474 feet south from Broadway.
361 feet west from Walnut street.
95 feet west from Walnut street.
- Sawyer avenue, 25 feet west from Packard avenue.
- School street, 31 feet south from Oakland avenue.
100 feet south from Maple avenue.
6 feet south from Montrose street.
128 feet north from Highland avenue.
88 feet north from Oxford street.
15 feet north from Avon street.
100 feet south from Summer street.
93 feet south from Preston road.
61 feet north from Knapp street.
- Sewall street, 311 feet west from Grant street.
- Shawmut street, 9 feet west from Washington street.
153 feet west from Shawmut place.
- Simpson avenue, 272 feet south from Broadway.
142 feet north from Holland street.
- Skehan street, 110 feet east from Hanson street.
- Skilton avenue, on east entrance, 173 feet south from south line of Pearl street.
- Somerville avenue, 96 feet west from Acadia park.
188 feet west from Mossland street.
308 feet east from Mossland street.
600 feet east from Mossland street.
116 feet west from Elm street.
9 feet east from Ibbetson street.
77 feet east from Belmont street.
14 feet west from Garden court.
133 feet west from Kent street.
13 feet west from Beech street.
11 feet east from Central street.
2 feet west from Abdell street.
15 feet west from Laurel street.
86 feet west from Granite street.
38 feet west from Sherman 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.
88 feet east from Poplar street.
145 feet west from Congress place.
13 feet east from Congress place.
313 feet east from Congress place.

- Somerville avenue, 872 feet west from East Cambridge line.
 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 Beech 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 place, 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.

- Ward 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.
 18 feet south from Prospect street.
 78 feet north from Tremont street.
 3 feet north from Beach avenue.
 1 foot south from Columbia court.
 Webster street, 25 feet east from Cross street.
 9 feet east from Rush street.
 Opposite Cutter street.
 Wellington avenue, 15 feet west from Montgomery avenue.
 Wesley street, 200 feet north from Pearl street.
 Wesley park, 16 feet north from Bow street.
 335 feet north from Bow street.
 West street, 2 feet north from Broadway.
 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 Lawrence 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.	10
North Packing and Provision Co.	10
New England Dressed Meat and Wool Co.	5
Boston & Maine Railroad	8
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 Winthrop avenue.
- 14—Broadway, 6 feet west from Farm lane.
- 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—College avenue, opposite Morrison avenue.
- 24—College avenue, 5 feet south from Kenwood street.
- 25—Columbus avenue, 54 feet east from Walnut street.
- 26—Concord avenue, opposite Knapp school.
- 27—Curtis street, 50 feet east from Professors row.
- 28—Dana street, 30 feet east from Pearl street.
- 29—Elm street, 25 feet west from Burnside avenue.
- 30—Flint street, 47 feet east from Cross street.
- 31—Franklin street, 127 feet south from Broadway.
- 32—Frederick avenue, 66 feet east from Willow avenue.
- 33—Gilman street, 63 feet east from Walnut street.
- 34—Grove street, 19 feet south from Highland avenue.
- 35—Jaques street, 159 feet west from Grant street.
- 36—Laurel street, 20 feet south from Summer street.
- 37—Liberty avenue, 46 feet south from Broadway.
- 38—Linwood street, 70 feet west from Poplar street.
- 39—Lowell street, opposite Crown street.
- 40—Lowell street, 34 feet north from Highland avenue.
- 41—Lowell street, 102 feet north of Wilton street.
- 42—Medford street, 35 feet east from Ward street.
- 43—Medford street, 24 feet north from Highland avenue.
- 44—Medford street, at Gilman square.
- 45—Medford street, 19 feet east from Glenwood road.
- 46—Montrose street, 204 feet west from School street.
- 47—Moreland street, 28 feet north from Meacham street.
- 48—Mt. Vernon street, 71 feet south from Broadway.
- 49—Mystic avenue, 33 feet west from Union street.
- 50—New Cross street, 64 feet north from Broadway.
- 51—Orchard street, 107 feet west from Dover street.
- 52—Otis street, 127 feet west from Cross street.
- 53—Packard avenue, 55 feet southwest from Powder House boulevard.
- 54—Paulina street, 26 feet east from Holland street.
- 55—Pearl street, 28 feet east from Myrtle street.
- 56—Pleasant avenue, 104 feet west from Walnut street.
- 57—Prospect street, 30 feet north from Somerville avenue.
- 58—Putnam street, 96 feet north from Summer street.
- 59—School street, 116 feet south from Broadway.
- 60—School street, 188 feet north from Highland avenue.
- 61—School street, 50 feet north from Berkeley street.
- 62—Shawmut street, 74 feet north from Shawmut place.
- 63—Somerville avenue, 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 Winthrop avenue	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, 1909.

In form recommended by the New England Water Works Association.

SOMERVILLE WATER WORKS.

SOMERVILLE, MIDDLESEX COUNTY, MASS.

GENERAL STATISTICS.

Population by census of 1905, 69,272.

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.

1. Estimated total population at date, 75,500.
2. Estimated population on lines of pipe, 75,500.
3. Estimated population supplied, 75,500.
4. Total consumption for the year, 2,310,815,000 gallons.
7. Average daily consumption, 6,331,000 gallons.
8. Gallons per day to each inhabitant, 84.

STATISTICS RELATING TO DISTRIBUTION SYSTEM.

MAINS.

1. Kind of pipe, cast-iron.
2. Sizes, from 4-inch to 20-inch.

3. Extended 7,114 feet during year.
5. Total now in use, 94.27 miles.
7. Number of leaks per mile, 0.12.
9. Number of hydrants added during year (public and private), 18.
10. Number of hydrants (public and private) now in use, 1,103.
11. Number of stop gates added during year, 32.
12. Number of stop gates now in use, 1,454.
14. Number of blow-offs, 141.
15. Range of pressure on mains, 35 pounds to 100 pounds.

SERVICES.

16. Kind of pipe: Lead; wrought iron—lead-lined; wrought iron—cement-lined; cast iron.
17. Sizes, one-half to six inches.
18. Extended 8,016 feet.
20. Total now in use, 78 miles.
21. Number of service taps added during the year, 211; discontinued, 10.
22. Number now in use, 12,018.
24. Average cost of service for the year, \$20.28.
25. Number of meters added, 870; discontinued, 48.
26. Number now in use, 5,155.
27. Percentage of services metered, 43.
28. Percentage of receipts from metered water, 49.
29. Number of motors and elevators added, 0.
30. Number now in use, 8 (included in number of meters).

FINANCIAL STATISTICS.

RECEIPTS.		EXPENDITURES.	
From Water Rates:—		Water Works Maintenance:—	
<i>A.</i> Fixture rates	\$113,341.33	<i>AA.</i> Operation (management and repairs)	\$25,733.77
<i>B.</i> Meter rates	109,773.59		
<i>C.</i> Total from consumers	\$223,114.92	<i>BB.</i> Special:—	
<i>M.</i> From other sources:—		Miscellaneous accounts	11,281.41
Water service assessments	3,813.92		
Labor and materials	11,262.18	<i>CC.</i> Total maintenance	\$37,015.18
		<i>DD.</i> Interest on bonds	2,460.00
		<i>EE.</i> Payment of bonds	6,000.00
		Water Works Construction:—	
		<i>GG.</i> Mains	\$7,553.90
		<i>HH.</i> Services	4,279.06
		<i>JJ.</i> Meters	6,181.44
		<i>KK.</i> Total construction	\$18,014.40
		<i>LL.</i> Unclassified expenses:—	
		Metropolitan water assessment	112,573.20
		<i>MM.</i> Balance:—	
		(<i>aa</i>) Ordinary	62,128.24
		Total balance	62,128.24
<i>N.</i> Total	\$238,191.02	<i>N.</i> Total	\$238,191.02

Disposition of balance: applied to other municipal purposes.

- O.* Cost of works to date \$922,834.26
- P.* Bonded debt at date 56,000.00
- 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, 1909. }

To His Honor, the Mayor, and the Board of Aldermen:—

Gentlemen,—I herewith present to you the annual report of the fire department for the year ending December 31, 1909:—

Fire Alarms.

Number of bell alarms	215	
Number of still alarms	157	
	372	
Total alarms		372
Number less than 1908		35
Value of buildings at risk	\$368,900	00
Damage to buildings	33,649	72
Insurance on buildings	260,382	87
Value of contents	159,600	00
Damage to contents	34,803	06
Insurance on contents	78,633	60
Total value of risks	528,500	00
Total damage	68,457	78
Total insurance	339,066	47

Manual Force.

The manual force of the department consists of 116 men, divided into companies as follows:—

	Permanent Men.	Callmen.
Chief engineer	1	
Assistant engineer	1	
Engine Company No. 1	7	7
Engine Company No. 2	7	5
Engine Company No. 4	6	8
Engine Company No. 6	6	5
Hose and Chemical Company No. 7	3	5
Hose Company No. 2	3	6
Hose Company No. 3	3	5
Hose Company No. 5	3	5
Ladder and Chemical Company No. 1	3	10
Ladder Company No. 2	3	10
Chemical Company A	3	
Chief driver	1	
	50	66
Total		

Apparatus in Service.

Steam fire engines	4
Chemical engine	1
Combination chemical and hose wagons	4
Ladder trucks	2
Ladder truck with chemical tank	1
Hose wagons	4

Apparatus in Reserve.

Steam fire engine in need of new boiler	1
Hose wagons	2
Ladder truck	1

Horses.

There are forty-two horses owned and maintained by the department.

Bell Alarms and Causes Thereof.

Accidental	3
Automobile	2
Bonfires	3
Baker's oven	1
Clothing falling on stove	1
Children playing with matches	15
Chimney fires	8
Combustion	9
Cleaning clothes with naphtha	3
Curtain in contact with gas light	3
Candle upset in chair	1
Chair near stove	1
Defective chimney	4
Electric wires	3
Electric car	3
Elevated wires under railroad bridge	1
Fat boiling over	3
Firecrackers on roof	3
Firecracker in lace curtain	1
Fire in dump	2
Fires in Medford	4
Fires in Cambridge	2
Filling alcohol lamp	1
False alarms	32
Grass fires	5
Hot ashes on floor	3
Hot ashes in barrel	2
Horse kicking over lamp	1
Incendiary	7
Kerosene lamp upset	9
Kerosene oil heaters	2
Lighting matches going to closet	3
Match in waste barrel	2
Overheated oil stove	3
Overheated coal stove	4
Overheated furnace	2
Carried forward	152

Brought forward	152
Rags and matches	5
Rags used for wiping stove	2
Smoking in bed	2
Stepping on snap match	2
Smoke from stove	2
Smoke from chimney	4
Spark in wood spittoon and sawdust	1
Spark in charcoal	1
Spark on awning	1
Spark on roof from chimney	9
Spark from tobacco pipe	10
Sulphur candle on stand	1
Spark from engine on railroad	12
Thawing water pipe	4
Throwing lighted match on roof	2
Unknown	5
Total	<u>215</u>

Service of Companies in Fire Department, Year 1909.

	Engine 1.	Engine 2.	Engine 4.	Engine 6.	Hose 2.	Hose 3.	Hose 5.	Hose and Chemical 7.	Chemical A.	Hook and Ladder 1.	Hook and Ladder 2.	Totals.
Bell alarms responded to	164	97	46	47	107	106	86	72	153	144	80	1,102
Still alarms responded to	10	31	10	23	17	12	17	8	22	6	1	157
Miles traveled	313	154	91	111	243	216	150	120	241 ³ / ₄	177	141 ¹ / ₂	1,958 ¹ / ₄
Feet of hose used	12,500	11,600	1,300	3,350	13,050	10,750	3,900	6,400	500	.	.	63,350
Feet of chemical hose used	.	.	.	1,250	.	8,000	8,200	8,700	21,500	8,400	.	56,050
Feet of ladders used	.	75	50	.	150	54	70	.	71	2,675	1,683	4,828
Chemical extinguishers used	6	34	10	.	25	.	8	10	.	18	.	111
Gallons of chemical water used	.	.	.	426	.	1,070	1,440	1,005	4,250	800	.	8,991
Times on duty at other stations	.	.	.	5	.	.	1	1	1	.	.	8

JAMES R. HOPKINS, Chief Engineer, Fire Department.

REPORT OF THE CHIEF OF POLICE.

OFFICE OF CHIEF OF POLICE, }
City of Somerville, January 1, 1910. }

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, 1909:—

Arrests.

Whole number of arrests made	1,715
On warrant	1,157
On summons	558
	1,715
Males	1,598
Females	117
	1,715
Americans	1,056
Foreign born	659
	1,715
Residents	1,175
Non-residents	540
	1,715

Offences Against the Person.

Abduction	1
Assault	6
Assault and battery	178
Assault with dangerous weapon	5
Assault, felonious	1
Manslaughter	2
Mayhem	1
Murder	5
Robbery, attempt	1
Threats	7
	207

Offences Against Property.

Arson	2
Attempt to wreck a railroad train	3
Breaking and entering	77
Breaking glass	4
Conspiracy	1
Concealment of property held on conditional sale	1
Illegally moving baggage	1
Injury to building	2
Injury to personal property	6
Injury to real estate	1
Larceny	133
Larceny, attempt	1
	232
Carried forward	232

Brought forward	232
Larceny in building	14
Malicious mischief	8
Registered milk cans, unlawful use of	2
Receiving stolen goods	7
Selling leased goods	1
Trespass	23
Trespass with intent to steal	1
Unlawful appropriation of a horse	6
Unlawful use of a horse	3

 297

Offences Against Public Order.

Adultery	3
Auto laws, violation of	46
Bastardy	5
Bigamy	1
Cigarette law, violation of	2
City ordinances, violation of	90
Concealed weapons, carrying	1
Cruelty to animals	5
Disorderly conduct in a public conveyance	1
Disturbing the peace	14
Dogs, unlicensed	5
Drunkenness	719
Drunkenness, common	17
Escape from Liversidge Institute of Industry	2
Escaped prisoners from Industrial School for Boys	2
False alarm of fire	11
Fornication	2
Gaming house, keeping	2
Indecent exposure	2
Insane	4
Lewdness	3
Lewd cohabitation	1
Liquor laws, violation of	32
Lord's Day, violation of	81
Milk laws, violation of	6
Neglected children	23
Neglect to support family	54
Not being a registered veterinary	1
Oleomargarine laws, violation of	2
Peddling, unlicensed	6
Perjury	1
Profanity	1
Runaway boys	3
Rules of Metropolitan Park Commission, violation of	4
Safe keeping	3
Selling adulterated drugs	1
Sodomy	1
Storing gasoline, without a permit	1
Stubbornness	14
Unwholesome fish, in possession of	1
United States army deserter	1
Uttering forged check	2
Uttering forged order	2
Vagrants	18
Walking on railroad track	15

 1,211

Arrests for offences against the person	207	
Arrests for offences against property	297	
Arrests for offences against public order	1,211	
	<hr/>	1,715
Released by probation officer	65	
Delivered to other officers	29	
Delivered to East Cambridge jail	2	
Delivered to Fort Banks	1	
Delivered to superior court	6	
Cases in which nolle prosequi was entered	7	
	<hr/>	110
Whole number of arrests made	1,715	
Released and delivered to other officers and places, etc.,	110	
	<hr/>	
Number of cases held for trial		1,605
272 of the above number of cases were juveniles and delinquents.		

Miscellaneous Reports.

Abandoned infant found		1
Accidents reported		37
Alarms given for fire		12
Amount of property reported stolen	\$7,577.67	
Amount of property recovered	\$3,208.81	
Amount of property reported lost	\$8.00	
Buildings found open and secured		454
Dead infant found		1
Defective bridges reported		3
Defective electric and telephone wires		36
Defective electric and telephone poles		4
Defective hydrants		1
Defective sidewalks reported		250
Defective streets reported		152
Defective voting list		1
Disturbances suppressed		2
Dogs killed		9
Fence dangerous		1
Fires extinguished without an alarm		6
Fire alarm box glass broken		1
Gas leaks reported		4
Number of larcenies reported		339
Obstructions in streets reported		31
Obstruction in sidewalk reported		1
Obstruction on sidewalk not lighted		1
Panes of glass broken		7
Persons missing		1
Persons assisted home		2
Runaway boys found		2
Sign boards defective		5
Street lights not lighted		5,929
Suicide		1
Suicide, attempt		1
Trees broken and dangerous		41
Tree guard defective		1
Water gate projections above sidewalk		6
Water pipes leaking		124

Police Signal Service and Ambulance Reports.

Number of on duty reports made by the patrolmen	218,945
Number of runs made with patrol wagon	864
Number of prisoners conveyed to station in patrol wagon	916
Number of miles run with the patrol wagon	1,437
Number of telephone calls	22,751
Number of persons carried in the ambulance	590

Offical 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 Harvey R. Fuller.
" 2 George L. Smith.	" 31 Thomas F. McNamara.
" 3 Francis A. Perkins.	" 32 Louis F. Arnold.
" 4 William H. Johnston.	" 33 Charles S. Johnston.
" 5 Jacob W. Skinner.	" 34 James M. Lynch.
" 6 Theodore E. Heron.	" 35 Martin Sharry.
" 7 David A. Bolton.	" 36 Robert T. Blair.
" 8 Michael T. Kennedy.	" 37 Ernest Howard.
" 9 Ezra A. Dodge.	" 38 Claude L. Crossman.
" 10 Charles W. Stevens.	" 39 John J. Cummings.
" 11 Daniel G. Simons.	" 40 Lemuel J. Simons.
" 12 Samuel Burns.	" 41 Edmund J. Keane.
" 13 Frederick H. Googins.	" 42 Denis Neylon.
" 14 Jotham Chisholm.	" 43 Denis Downey.
" 15 William J. Davidson.	" 44 Edward M. Davies.
" 16 Elmer E. Drew.	" 45 George A. C. Peters.
" 17 John A. Dadmun.	" 46 James E. Phillips.
" 18 Eugene A. Woodsum.	" 47 Louis J. Belzarini.
" 19 George L. Rice.	" 48 Walter Reed.
" 20 Myron S. Gott.	" 49 Dennis G. Mulqueeney.
" 21 Herbert Hilton.	" 50 Patrick J. Doolin.
" 22 Charles W. Reick.	" 51 Joseph J. Burns.
" 23 Frank C. Hopkins.	" 52 Edward J. Hopkins.
" 24 Charles W. Allen.	" 53 William G. Kenney.
" 25 Hudson M. Howe.	" 54 Walter L. Groves.
" 26 Ernest S. Goff.	" 55 Frederick G. Jones.
" 27 Sanford S. Lewis.	" 56 Joseph A. Dwyer.
" 28 Frank H. Graves.	" 57 Thomas P. Walsh.
" 29 Henry A. Sudbey.	" 58 Clyde W. Steeves.

RESERVE MEN.

No. 59 Augustine J. Fitzpatrick.	" 63 Harry C. Young.
" 60 Patrick McGrath.	" 64 Robert D. Dewar.
" 61 William E. Taylor.	" 65 Peter Moore.
" 62 Bernard McCabe.	

PATROL DRIVERS.

Edward E. Ware.	John J. Scannell.
Martin E. Driscoll.	

Minnie F. Woodland, Matron,

PENSIONERS.

Melville C. Parkhurst.
George W. Bean.
John E. Fuller.

Ira S. Carleton.
James J. Pollard.
Albion L. Staples.

The following patrolmen resigned during the year:—

Henry Y. Gilson, resigned March 25, 1909.
William J. Sutherland, resigned May 13, 1909.

Reserve Men Thomas P. Walsh and Clyde W. Steeves were appointed regular patrolmen July 22, 1909.

Performance of Duties.

Several times during the year a larger part of the force were on duty together, notably the dedication of the Soldiers' and Sailors' Monument and the big football games. All of the officers performed their work in a creditable manner.

Police Building and Equipment.

February 27, 1909, your humble servant took charge of the department and found the interior of the building occupied by the police and the equipment in a dilapidated condition.

Improvements.

The chief's, captain's and inspector's offices have been thoroughly cleaned, painted, and woodwork newly finished, also the furniture in them.

The captain's main office has had a wood and iron grill work partition put in, separating the officer in charge from the public.

The cells in the lock-up were thoroughly cleaned.

A partition has been put in the sleeping quarters on the first floor, and the sleeping quarters on this and the second floor are kept in a cleanly condition.

A telephone has been installed in the chief's residence.

A new cabinet for index description cards and for the finger print system has been installed.

The patrol wagon, ambulance and pung have been newly repaired, painted and varnished and a top put on the patrol wagon.

The uniforms have been changed to more modern ideas.

A new saddle horse and equipment were purchased and a mounted officer has been on duty nearly all of the time, in the western part of the city,

Recommendations.

I respectfully ask for your consideration the advisability of the purchase of patrol and ambulance automobiles to replace the horses and wagons now in use. The horses are practically unfit for this service, owing to the long runs and steep hills.

The building of a sub-station at West Somerville.

Some means of conveyance for the head of the department, that he may visit all parts of the city, at any time.

Placing more signal boxes in different parts of the city.

Replacing the signal system with a more modern one.

The brick cells in the lock-up should be replaced with steel cages, new system of plumbing and a cement floor, so that this part of the building can be readily cleaned at any time.

Separate quarters for female and minor prisoners.

A competent matron should be on duty all of the time.

The addition of more men in order that an officer may be on duty all of the time in Davis, Teele, Magoun, and Gilman Squares.

Conclusion.

To the Mayor, Honorable John M. Woods, I wish to express my heartfelt thanks for his interest, kindly advice and hearty support in all matters concerning the welfare of this department, to the end that all of the residents of Somerville may have an orderly, cleanly and well-governed city in which to live.

To the members of the board of aldermen and the heads of other departments with whom I have had relations connected with this department, my sincere thanks are due.

To all of the members of the police department, who have assisted me in the administration of its affairs, I am truly grateful and tender my 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, 1910. }

To His Honor, the Mayor, and the Board of Aldermen:—

The following report of the sealer of weights and measures for the year 1909 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, 1909.

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 seventy-eight scales, weights and measures were adjusted before sealing, twenty-nine scales were tagged for repairs, twelve of which were repaired as ordered, and the remaining seventeen put out of use.

Work done in weights and measures during the year 1909:—

	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	291	1,360	
Number of weights sealed	240	3,928	
Number of dry measures sealed	698	1,105	
Number of tin liquid measures sealed	596	1,403	
Number of glass jars sealed	114,628	0	
Number of yard sticks sealed	6	134	
Number sealed, miscellaneous	5	5	
Number of coal baskets sealed	22	0	
	<hr/>	<hr/>	
Total number of all kinds sealed	116,486	7,935	124,421
Number of scales adjusted and sealed	29	47	
Number of weights adjusted and sealed	39	44	
Number of dry measures adjusted and sealed	6	4	
Number of liquid measures adjusted and sealed	8	1	
	<hr/>	<hr/>	
Total number adjusted and sealed	82	96	178
Number of scales tagged for repairs	6	23	
Number of scales repaired as ordered	3	9	
	<hr/>	<hr/>	
Total number tagged and repaired	9	32	41
Number of scales condemned	7	3	
Number of weights condemned	0	0	
Number of dry measures condemned	7	15	
Number of liquid measures condemned	1,288	11	
Number of yard sticks condemned	0	0	
Number of coal baskets condemned	1	0	
	<hr/>	<hr/>	
Total number condemned	1,303	29	1,332
	<hr/>	<hr/>	
	117,880	8,092	
	<hr/>	<hr/>	
Total number tested in and out of office			125,972
Receipts for the year 1909 :—			
Appropriation	\$1,800 00		
Received fees for sealing and adjusting	503 32		
	<hr/>		\$2,303 32
Expenditures for year 1909 :—			
Telephone	\$21 30		
Printing books and supplies	144 32		
Amount paid for team	282 50		
Amount paid for helper	27 00		
Deputy	700 00		
Salary of sealer	1,100 00		
	<hr/>		
Total expenditures			\$2,275 12
			<hr/>
Unexpended balance			\$28 20

JOHN H. DUSSEAULT,
Sealer of Weights and Measures.

REPORT OF THE CITY SOLICITOR.

Somerville, January 10, 1910.

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 1909:—

Abolition of Grade Crossings. The work of abolishing the crossing at Somerville avenue is nearly completed. Many claims for land damages have been adjusted by me with the approval in writing first obtained from the railroad companies, the street railway company and the state. Six suits for land damages are now pending, brought by owners with whom no satisfactory adjustment could be made.

Hearings before the special commissioners on the abolition of grade crossings at Medford street, Webster avenue, Dane street and Park street were completed during the year and their report has been filed in court. It provides for the abolition of all these crossings. It is probable that a decree on the report will soon be made.

Lowell-Street Bridges. An act was secured from the legislature authorizing the construction by the city of bridges across the railroad tracks at Lowell street. The railroad companies are to pay \$15,000 toward the cost of construction. See chapter 307 of the Acts of the year 1909. Considerable progress has been made in the work, and agreements for the adjustment of land damages have been made with the owners of most of the estates that are damaged.

Mystic-Avenue Bridge. As the result of many hearings, a bridge over the railroad tracks at Mystic avenue was ordered early in the year by the railroad commissioners, acting under the authority of chapter 47 of the Acts of the year 1909. Special commissioners appointed by the Superior Court later determined that the cost of constructing the bridge should be paid as follows:—

Railroad companies	67 per cent.
Street railway company	18½ “ “
City of Boston	10 “ “
City of Somerville	4½ “ “

Their report, which has been approved by the court, also provides that: “The surface of the bridge and its approaches shall be maintained and kept in repair as follows: So much thereof as shall be occupied by the tracks of the West End Street Railway Company, the Boston Elevated Railway Com-

pany, Lessee, including the space between the rails of its tracks, and the approaches thereto shall be maintained and kept in repair by the said West End Street Railway Company, the Boston Elevated Railway Company, Lessee; so much thereof as shall lie within the limits of the City of Somerville with the approaches thereof, except such part as shall be occupied by the tracks of the West End Street Railway Company, the Boston Elevated Railway Company, Lessee, including the space between the rails of its tracks, shall be maintained and kept in repair by the City of Somerville; so much thereof as shall lie within the limits of the City of Boston with the approaches thereto, except such part thereof as shall be occupied by the tracks of the West End Street Railway, the Boston Elevated Railway Company, Lessee, and the space between the rails of its tracks, shall be maintained and kept in repair by the City of Boston."

Cases in Court. Three actions brought for injuries claimed to have been received by reason of defects in public ways were settled for \$150, \$175 and \$600, respectively. Another action of the same nature was tried in the police court of Somerville and decided in favor of the city. An action brought by the city of Chelsea for expenses incurred in the care of a person infected with the smallpox, having a settlement in this city, was settled for \$200. An action brought against the city, the collector of taxes and a constable for false arrest on a warrant for the collection of a poll tax was settled for \$125. Two actions brought for land damages in connection with the laying out of Cleveland street and Vine street were adjusted by setting off betterment assessments, and another action of the same nature was settled for \$500. A test case brought by the city against the state to collect for services of the city physician, rendered to poor persons having no settlement, was discontinued without costs, the subject matter having been disposed of by chapter 292 of the Acts of the year 1909.

Electric Railroad. Many hearings were held by the railroad commissioners on a petition for the construction of an electric railroad from Lowell and Lawrence to Boston through this city. I took part in the opposition to the petition.

Very respectfully,

FRANK W. KAAH,
City Solicitor.

REPORT OF THE CITY CLERK.

OFFICE OF THE CITY CLERK, }
January 1, 1910. }

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

Gentlemen,—The following is respectfully submitted as the thirty-eighth annual report of the city clerk of the city of Somerville, and is for the year ending December 31, 1909:—

The receipts and payments were as follows:—

Receipts.

Balance from year 1908, being for dog licenses issued in December, 1908:—		
3 males at \$2.00	\$6 00	
3 females at \$5.00	15 00	
	\$21 00	
Less city clerk's fees paid to the city treasurer in December, 1908, 6 at \$.20,	1 20	
	\$19 80	
For dog licenses issued in 1909:—		
1,450 males at \$2.00	\$2,900 00	
295 females at \$5.00	1,475 00	
88 spayed at \$2.00	176 00	
1 breeder's license at \$25.00	25 00	
1 breeder's license at \$50.00	50 00	
	\$4,626 00	
Recording mortgages, assignments, etc., 807 papers	\$487 50	
Certificates of marriage intentions, 768 and 1 duplicate at \$1.00	769 00	
Furnishing copies of records	110 50	
Licenses:—		
Amusements,—		
29 monthly licenses at \$4.00	\$116 00	
35 licenses at \$1.00	35 00	
3 licenses for fractional parts of months	3 23	
	154 23	
Auctioneers, 21 at \$2.00	42 00	
Billiard and pool tables and bowling alleys, 20 licenses for 52 tables and 8 alleys, at \$2.00	120 00	
Drivers, 9 at \$1.00	9 00	
Fireworks, 49 at \$1.00	49 00	
Hackney carriages, 6 licenses for 15 carriages at \$1.00	15 00	
Intelligence offices, 6 at \$2.00	12 00	
Collect junk, 26 at \$10.00	\$260 00	
Paid back on 2 refused in 1908	20 00	
	\$240 00	
Junk shop, 1 at \$25.00	25 00	
	265 00	
Amounts carried forward	\$2,033 23	\$4,645 80

Amounts brought forward	\$2,033 23	\$4,645 80
Private detective, 1 at \$10.00 (refused and money not called for)	10 00	
Slaughtering, 6 at \$1.00 \$6 00		
1 refused and money not called for 1 00		
	<hr/>	
	7 00	
Street musicians, 16 licenses for 32 per- sons at \$.50	16 00	
Wagons, 59 licenses for 126 wagons at \$1.00	126 00	
Wagon stands, 4 at \$1.00	4 00	
Permits to transport liquors, 14 at \$1.00 \$14 00		
6 refused and money not called for 6 00		
	<hr/>	
	\$20 00	
Paid back on 10 refused in 1908,	10 00	
	<hr/>	
	10 00	
Recording and issuing sixth-class liquor licenses, 39 at \$1.00	39 00	
Filing certificates, 2 at \$.50	1 00	
Repairing and sale of junk badges	1 75	
Sale of old ballots	3 00	
Interest on deposits	10 57	
	<hr/>	
		2,261 55
Total receipts		<hr/>
		\$6,907 35

Payments.

To Joseph O. Hayden, county treasurer, June 1 and December 1, receipts for dog licenses from December 1, 1908, to November 30, 1909, both inclusive:—		
1,443 males at \$2.00	\$2,886 00	
297 females at \$5.00	1,485 00	
88 spayed at \$2.00	176 00	
1 breeder's license at \$25.00	25 00	
1 breeder's license at \$50.00	50 00	
	<hr/>	
	\$4,622 00	
Less city clerk's fees, 1,830 at \$.20	366 00	
	<hr/>	
		\$4,256 00
To the city treasurer, monthly:—		
City clerk's fees for issuing and recording dog licenses, 1,835 at \$.20	\$367 00	
All the receipts above specified, except for dog licenses	2,261 55	
	<hr/>	
		2,628 55
		<hr/>
Total payments		\$6,884 55
Balance, January 1, 1910, being for dog li- censes issued in December, 1909:—		
10 males at \$2.00	\$20 00	
1 female at \$5.00	5 00	
	<hr/>	
	\$25 00	
	<hr/>	
Amount carried forward	\$25 00	

Amount brought forward	\$25 00	
Less city clerk's fees paid to the city treasurer, 11 at \$.20	2 20	
		<u>\$22 80</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 and issued without charge, as follows:—

Amusements (fees remitted):—

Children under fifteen to take part in entertainments	3
Somerville High School Athletic Association, ball games	35
Auctioneers (to veterans of the Civil War)	3
Innholders	3
Innholder, transferred to new owner	1
Common victuallers	70
Common victuallers, transferred to new owners	3
Drain layers	7
Drain layers, bond not filed	1
Newsboys	83
Junk collectors, to cry calling in streets	26
To cry goods in streets	57
To cry aloud to announce calling as umbrella menders	3
To ring bell in streets:—	
Ice cream venders	5
Scissors' sharpeners	7
Umbrella mender	1
To set up and use engines:—	
Boiler	1
Electric motors, 29 licenses for 38 motors	38
Gas engines	2
Steam engines	2
To blast rock or stone	1
To blast rock or stone, bond not filed	1
To erect or use buildings for gasoline	10
To erect or use buildings for garages	30
To maintain projections over sidewalks:—	
Arc light, 1 permit for 2 lights	2
Awning	1
Barber's pole	1
Clock signs	2
Electric signs	5
Signs	17
To erect derricks and guy wires	1
To construct trap and pipe under sidewalk	1
To move buildings through streets, 1 permit for 4 buildings	4
To move buildings through streets, bond not filed	1
To parade in streets	2
To hold open-air meetings	2
Approval of location of stable	1
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 given The Edison Electric Illuminating Company of Boston and The New England Telephone and Telegraph Company of Massachusetts for the erection of poles for the support of wires, and the West End Street Railway Company for track locations and electric rights in various streets.

In every case of such permission to use the streets a suitable agreement for the protection of the interests of the city must be filed with the city clerk before the order can become operative.

Births.

1909.

Number of births reported by physicians and midwives for 1909:—

Males	:	:	:	:	:	:	:	:	:	832
Females	:	:	:	:	:	:	:	:	:	750

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 1909 will be given in the city clerk's report for the year 1910.

1908.

The following is a statement in full of the births for 1908:—

Number of births (exclusive of still-births) in Somerville in 1908 registered	1,739
Less than previous year	8
Males	897
Females	842
	<hr/> 1,739
Born of American parents	662
Born of foreign parents	672
Born of American father and foreign mother	202
Born of foreign father and American mother	188
Born of American mother and father of unknown nationality	12
Born of foreign mother and father of unknown nationality	3
	<hr/> 1,739
Number of still-births in Somerville in 1908 registered	70
Number of births in other places in 1908 registered	201
	<hr/> 2,010
Number reported by both canvasser and physician or midwife	1,440
Number reported by canvasser alone	290
Number reported by physician or midwife	172
	<hr/> 1,902
Carried forward	

Brought forward	1,902	
Number reported by clerk or registrar of other place and canvasser	41	
Number reported by clerk or registrar of other place and physician	12	
Number reported by clerk or registrar of other place, canvasser and physician	4	
Number reported by clerk or registrar of other place	39	
Number of still-births taken from death records	12	
		2,010
Number of cases of twins		11

Marriages.

Number of intention certificates issued in 1909		763
More than previous year		21
Marriages registered		833
More than previous year		13
Both parties American	449	
Both parties foreign	180	
American groom and foreign bride	106	
Foreign groom and American bride	98	
		833 couples
First marriage of	1,470	
Second marriage of	188	
Third marriage of	8	
		833 couples

Deaths.

(Exclusive of still-births.)

Number of deaths in Somerville in 1909		988
More than previous year		85
Males	471	
Females	517	
		988
Under ten years of age	250	
10 and under 20 years of age	38	
20 and under 30 years of age	52	
30 and under 40 years of age	72	
40 and under 50 years of age	73	
50 and under 60 years of age	94	
60 and under 70 years of age	145	
70 and under 80 years of age	175	
80 and under 90 years of age	75	
90 years of age and over	14	
		988
Age of oldest person deceased	98 yrs.	
Born in Somerville	257	
Born in other places in the United States	404	
Of foreign birth	322	
Birthplace unknown	5	
		988
Number of deaths in January	90	
“ “ “ “ February	109	
“ “ “ “ March	97	
“ “ “ “ April	86	
“ “ “ “ May	87	
“ “ “ “ June	78	
“ “ “ “ July	54	
		601
Carried forward		601

Brought forward	601
Number of deaths in August	87
“ “ “ “ September	62
“ “ “ “ October	68
“ “ “ “ November	83
“ “ “ “ December	87
	988

The number of still-births recorded during the year was sixty-four. In addition to the above, 188 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, May 1, 1909.	REGISTERED VOTERS.							
			Nov. 18, 1908.	Re- vised Lists of July 20, 1909.	Added in Sept. and Oct., 1909.	Oct. 13, 1909.	Added in Nov., 1909.	Nov. 17, 1909.	Voted Nov. 2, 1909.	Voted Dec. 14, 1909.
Ward 1 . . .	Precinct 1 . . .	1,243	681	600	40	640	..	640	455	401
" 1 . . .	" 2 . . .	521	330	277	8	285	-1	284	263	171
" 1 . . .	" 3 . . .	545	337	302	15	317	3	320	232	224
" 1 . . .	" 4 . . .	616	332	284	8	292	18	310	221	249
		2,925	1,680	1,463	71	1,534	20	1,554	1,111	1,045
Ward 2 . . .	Precinct 1 . . .	1,113	416	367	25	392	10	402	313	225
" 2 . . .	" 2 . . .	1,402	675	593	51	644	5	649	505	341
" 2 . . .	" 3 . . .	850	371	339	33	372	12	384	272	230
		3,365	1,462	1,299	109	1,408	27	1,435	1,090	796
Ward 3 . . .	Precinct 1 . . .	1,007	745	702	30	732	6	738	537	382
" 3 . . .	" 2 . . .	1,201	774	707	45	752	..	752	570	442
		2,208	1,519	1,409	75	1,484	6	1,490	1,107	824
Ward 4 . . .	Precinct 1 . . .	1,335	860	778	44	822	1	823	609	417
" 4 . . .	" 2 . . .	973	656	592	35	627	2	629	478	335
		2,308	1,516	1,370	79	1,449	3	1,452	1,087	752
Ward 5 . . .	Precinct 1 . . .	1,387	946	889	52	941	1	942	735	531
" 5 . . .	" 2 . . .	699	450	402	26	428	7	435	320	285
" 5 . . .	" 3 . . .	934	593	526	21	547	7	554	405	367
		3,020	1,989	1,817	99	1,916	15	1,931	1,460	1,183
Ward 6 . . .	Precinct 1 . . .	1,442	906	829	25	854	7	861	582	444
" 6 . . .	" 2 . . .	1,228	776	690	69	759	4	763	567	359
" 6 . . .	" 3 . . .	1,067	722	649	68	717	1	718	519	312
		3,737	2,404	2,168	162	2,330	12	2,342	1,668	1,115
Ward 7 . . .	Precinct 1 . . .	1,534	991	916	87	1,003	5	1,008	714	539
" 7 . . .	" 2 . . .	982	584	544	56	600	2	602	447	349
" 7 . . .	" 3 . . .	1,056	632	595	62	657	8	665	500	353
		3,572	2,207	2,055	205	2,260	15	2,275	1,661	1,246
City . . .	. . . . .	21,135	12,777	11,581	800	12,381	98	12,479	9,184	6,961

WOMEN'S VOTING LISTS.

WARD.	PRECINCT.	Nov. 18, 1908.	Revised Lists of July 20, 1909.	Added in Sept. and Oct., 1909.	October 13, 1909.	Added in Nov., 1909.	Nov. 17, 1909.	Voted Decem- ber 14, 1909.
Ward 1 . . .	Precinct 1 .	23	23	..	23	23	46	39
" 1 . . .	" 2 .	4	4	..	4	..	4	2
" 1 . . .	" 3 .	9	9	..	9	2	11	5
" 1 . . .	" 4 .	26	22	..	22	..	22	12
		62	58	..	58	25	83	58
Ward 2 . . .	Precinct 1 .	4	3	..	3	..	3	..
" 2 . . .	" 2 .	5	3	..	3	..	3	..
" 2 . . .	" 3 .	1	1	..	1	..	1	..
		10	7	..	7	..	7	..
Ward 3 . . .	Precinct 1 .	34	33	..	33	1	34	1
" 3 . . .	" 2 .	46	43	..	43	..	43	3
		80	76	..	76	1	77	4
Ward 4 . . .	Precinct 1 .	18	17	..	17	1	18	1
" 4 . . .	" 2 .	17	17	..	17	1	18	4
		35	34	..	34	2	36	5
Ward 5 . . .	Precinct 1 .	37	34	..	34	..	34	3
" 5 . . .	" 2 .	9	7	4	11	1	12	7
" 5 . . .	" 3 .	11	8	..	8	..	8	1
		57	49	4	53	1	54	11
Ward 6 . . .	Precinct 1 .	60	58	..	58	1	59	3
" 6 . . .	" 2 .	13	10	3	13	1	14	2
" 6 . . .	" 3 .	2	2	1	3	..	3	1
		75	70	4	74	2	76	6
Ward 7 . . .	Precinct 1 .	72	67	8	75	48	123	108
" 7 . . .	" 2 .	64	54	6	60	22	82	61
" 7 . . .	" 3 .	38	35	1	36	3	39	26
		174	156	15	171	73	244	195
City . . . . .	. . . . .	493	450	23	473	104	577	279

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 2, 1909:—

CANDIDATE.	PARTY.	WARDS.							TOTAL.
		1	2	3	4	5	6	7	
GOVERNOR.									
Eben S. Draper,	Republican,	537	292	750	776	948	1,063	1,203	5,569
John A. Nicholls,	Prohibition,	11	3	19	20	19	30	37	139
Moritz E. Ruther,	{ Socialist } Labor,	8	6	1	4	10	6	5	40
James H. Vahey,	Democratic,	502	751	299	233	436	506	352	3,079
Daniel A. White,	Socialist,	22	15	18	23	23	31	35	167
Charles A. Grimmons, Blank,		31	23	20	31	24	31	29	189
LIEUTENANT-GOVERNOR.									
Eugene N. Foss,	Democratic,	489	743	331	225	475	527	397	3,187
Louis A. Frothingham,	Republican,	560	293	729	803	924	1,044	1,159	5,512
George G. Hall,	Socialist,	21	18	21	20	16	32	30	158
Ernest R. Knipe,	Prohibition,	9	2	9	14	16	19	27	96
Lawrence Yates,	{ Socialist } Labor,	4	3	1	5	8	5	4	30
Blank,		28	31	16	20	21	41	44	201
SECRETARY.									
David T. Clark,	Democratic,	385	643	211	141	332	304	175	2,191
Harriet D'Orsay,	Socialist,	27	16	18	18	25	38	35	177
Henry C. Hess,	{ Socialist } Labor,	5	4	1	2	6	6	14	38
William G. Merrill,	Prohibition,	11	51	17	16	28	30	41	194
William M. Olin, Blank,	Republican,	605	283	803	843	1,004	1,172	1,305	6,015
		78	93	57	67	65	118	91	569
TREASURER AND RECEIVER- GENERAL.									
James H. Bryan,	Democratic,	378	630	215	133	331	298	185	2,170
James B. Carr,	Socialist,	24	23	21	22	30	36	39	195
David Craig,	{ Socialist } Labor,	4	6	2	4	5	12	4	37
Daniel Parlin,	Prohibition,	13	1	38	12	23	24	46	157
Elmer A. Stevens, Blank,	Republican,	611	341	762	848	997	1,184	1,291	6,034
		81	89	69	68	74	114	96	591
AUDITOR.									
Alexis Boyer, Jr.	Democratic,	365	622	217	127	312	282	175	2,100
Charles A. Chase,	Prohibition,	10	3	15	15	21	24	34	122
Sylvester J. McBride,	Socialist,	27	16	18	17	28	61	39	206
Jeremiah P. McNally,	{ Socialist } Labor,	7	34	....	2	3	24	7	77
Henry E. Turner, Blank,	Republican,	597	297	782	837	993	1,122	1,281	5,909
		105	118	75	89	103	155	125	770

CANDIDATE.	PARTY.	WARDS.							TOTAL.
		1	2	3	4	5	6	7	
ATTORNEY-GENERAL.									
Henry M. Dean,	Prohibition,	25	11	20	31	26	38	49	200
John A. Fredrikson,	Socialist Labor,	9	8	1	9	11	11	12	61
Dana Malone,	Republican,	592	323	770	788	926	1,126	1,232	5,757
Harvey N. Shepard,	Democratic,	370	612	225	158	368	329	206	2,268
John Weaver Sherman,	Socialist,	29	24	21	24	29	45	44	216
Blank,		86	112	70	77	100	119	118	682
COUNCILLOR.									
Charles E. Butterworth,	Socialist,	38	52	36	36	57	69	78	366
Celdon B. Foster,	Democratic,	378	615	229	167	357	325	224	2,295
Walter S. Glidden,	Republican,	594	300	755	787	935	1,120	1,220	5,711
Charles A. Grimmons,						1			1
Blank,		101	123	87	97	110	154	139	811
SENATOR.									
Charles V. Blanchard,	Republican,	572	331	789	808	989	1,179	1,294	5,962
Orton D. Field,	Socialist,	30	23	27	45	35	48	54	262
George A. Glidden,	Democratic,	395	630	223	148	338	323	206	2,263
William L. Barber,						1			1
Blank,		114	106	68	86	97	118	107	696
REPRESENTATIVES, 25TH DIST. (3)									
Guy R. Anderson,	Democratic,	364		232	167	332			1,095
William M. Armstrong,	Republican,	562		789	770	958			3,079
William N. Cartwright,	Democratic,	317		191	131	280			919
Lewis N. Gilman,	Socialist,	40		35	38	40			153
Sidney B. Keene,	Republican,	542		732	748	905			2,927
Edward C. Monahan,	Democratic,	298		190	112	281			881
John L. Mulholland,	Socialist,	30		19	23	30			102
Thomas R. Taylor,	Socialist,	34		26	27	41			128
Charles L. Underhill,	Republican,	548		754	751	925			2,978
Herman Barker,						1			1
Richard E. Pickthal,						1			1
Jesse S. Newcomb,						1			1
Blank,		598		353	494	585			2,030
REPRESENTATIVES, 26TH DIST. (3)									
William Brown,	Democratic,		632				421	276	1,329
Zebedee E. Cliff,	Republican,		353				1,129	1,308	2,790
Leon M. Conwell,	Republican,		350				1,143	1,199	2,692
Nicholas H. Flynn,	Socialist,		113				78	67	258
Clayton S. Hunt,	Socialist,		81				79	79	239
Richard Pigott,	Socialist,		42				60	53	155
William L. Waugh,	Republican,		330				1,086	1,184	2,600
Blank,			1,369				1,008	817	3,194
COUNTY COMMISSIONER.									
Patrick Conlon,	Democratic,	363	626	202	123	311	336	160	2,121
Robert J. Kelley,	Socialist,	32	59	22	21	31	36	78	279
Samuel O. Upham,	Republican,	587	271	794	828	1,008	1,130	1,262	5,880
Blank,		129	134	89	115	110	166	161	904
COUNTY TREASURER.									
Joseph O. Hayden,	Republican,	601	345	733	827	1,014	1,173	1,285	6,028
Anson B. Hobbs,	Socialist,	38	24	23	24	35	41	47	232
Dexter C. Whittimore,	Democratic,	343	576	219	132	289	291	182	2,032
Newton E. Cutler,						1			1
Blank,		129	145	82	104	121	163	147	891

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 14, 1909:—

CANDIDATE.	PARTY.	WARDS.							TOTAL.
		1	2	3	4	5	6	7	
MAYOR									
John F. Foster,	} Independent, Citizens,	221	99	204	165	264	227	451	1,631
Thomas M. Nolan,		Democratic,	293	423	112	95	212	178	81	1,394
Squire E. Putney,	Socialist,		18	8	9	10	25	14	16	100
John M. Woods,	Republican,	479	253	478	467	655	689	678	3,699
Arthur P. Vinal,					1				1
J. Frank Mixer,					1				1
Blank,		34	13	21	14	26	7	20	135
ALDERMAN-AT-LARGE, WARD 1.									
John H. Concannon,	Democratic,	368	417	136	105	255	191	99	1,571
Leslie E. A. Smith,	Republican,	524	203	555	538	711	709	922	4,162
Thomas R. Taylor,	Socialist,	36	19	20	25	28	35	46	209
Francis P. Garland,						2			2
Blank,		117	157	113	84	187	180	179	1,017
ALDERMAN-AT-LARGE, WARD 2.									
Nicholas H. Flynn,	Socialist,	126	140	59	48	100	89	88	650
Paul R. Valentine,	Republican,	533	347	572	557	760	744	916	4,429
Blank,		386	309	193	147	323	282	242	1,882
ALDERMAN-AT-LARGE, WARD 3.									
William E. Copithorne,	Republican,	544	299	644	568	760	751	887	4,453
Duane T. Whitney,	Socialist,	92	80	55	39	79	72	97	514
Blank,		409	417	125	145	344	292	262	1,994
ALDERMAN-AT-LARGE, WARD 4.									
Orton D. Field,	Socialist,	86	89	52	48	90	69	75	509
Ray R. Rideout,	Republican,	554	264	576	604	760	747	903	4,408
Francis P. Garland,						2			2
Blank,		405	443	196	100	331	299	268	2,042
ALDERMAN-AT-LARGE, WARD 5.									
Lewis N. Gilman,	Socialist,	94	80	44	40	92	106	70	526
Alphonso A. Wyman,	Republican,	548	256	579	564	810	715	886	4,358
Francis P. Garland,						12			12
Blank,		403	460	201	148	269	294	290	2,065
ALDERMAN-AT-LARGE, WARD 6.									
Charles E. Blaisdell,	Socialist,	87	84	44	46	75	83	95	514
Edgar A. Smith,	Republican,	555	264	581	559	760	821	892	4,432
Francis P. Garland,						1			1
Blank,		403	448	199	147	347	211	259	2,014
ALDERMAN-AT-LARGE, WARD 7.									
Jesse E. Perry,	Republican,	527	264	570	551	746	746	1,005	4,409
Richard Pigott,	Socialist,	97	80	43	41	76	63	91	491
Blank,		421	452	211	160	361	306	150	2,061

CANDIDATE.	PARTY.	WARDS.							TOTAL.
		1	2	3	4	5	6	7	
WARD ALDERMEN (2) WARD 1.									
Ernest F. Flagg,	Democratic,	418	....	....	....	..	....	....	418
Fred E. Hanley,	Republican,	551	....	....	....	....	....	....	551
William H. Smith,	Republican,	483	....	....	....	....	....	....	483
Blank,		638	....	....	....	....	....	....	638
WARD ALDERMEN (2) WARD 2.									
Walter W. Burke,	Republican,	....	192	....	....	..	....	....	192
Joseph A. Haley,	Democratic,	....	472	....	....	....	....	....	472
William Eaton Musgrave,	Republican,	....	174	....	....	....	....	....	174
Edmond Russell,	Democratic,	....	472	....	....	....	....	....	472
Blank,		....	282	....	....	....	....	....	282
WARD ALDERMEN (2) WARD 3.									
Charles W. Boyer,	Republican,	....	....	573	....	....	....	....	573
Frank R. Dunklee,	Republican,	....	....	544	....	....	....	....	544
Edward J. Crimmings,		....	....	1	....	....	....	....	1
Blank,		....	....	530	....	....	....	....	530
WARD ALDERMEN (2) WARD 4.									
William N. Cartwright,	Democratic,	....	....	....	104	....	....	....	104
Charles W. Hodgdon,	Republican,	....	....	....	522	....	....	....	522
William P. Jones,	Republican,	....	....	....	509	....	....	....	509
Blank,		....	....	....	369	....	....	....	369
WARD ALDERMEN (2) WARD 5.									
Thomas W. Burke,	Democratic,	....	....	....	....	226	....	....	226
Ellsworth Fisk,	Republican,	....	....	....	....	619	....	....	619
Gerald A. Gardner,	Republican,	....	....	....	....	644	....	....	644
John J. Ryan,	Democratic,	....	....	....	....	252	....	....	252
Francis P. Garland,		....	....	....	....	229	....	....	229
Charles W. Rugg,		....	....	....	....	1	....	....	1
Blank,		....	....	....	....	395	....	....	395
WARD ALDERMEN (2) WARD 6.									
Oscar H. Belding,	Republican,	....	....	....	....	....	692	....	692
Joseph O. Knox,	Republican,	....	....	....	....	....	764	....	764
Bernard J. Sheridan,	Democratic,	....	....	....	....	....	262	....	262
Blank,		....	....	....	....	....	512	....	512
WARD ALDERMEN (2) WARD 7.									
William B. Brown,	Republican,	....	....	....	....	....	....	938	938
Ralph M. Smith,	Republican,	....	....	....	....	....	....	892	892
Blank,		....	....	....	....	....	....	662	662
SCHOOL COMMITTEE (2yrs.) WARD 1.									
Henry F. Curtis,	Republican,	464	....	....	....	....	....	....	464
Mary G. Whiting,	Independent,	561	....	....	....	....	....	....	561
Blank,		78	....	....	....	....	....	....	78
SCHOOL COMMITTEE (2yrs.) WARD 2.									
Daniel H. Bradley,	Democratic,	....	474	....	....	....	....	....	474
Edward F. Sherman,	Republican,	....	189	....	....	....	....	....	189
Blank,		....	123	....	....	....	....	....	133

CANDIDATE.	Party.	WARDS.							TOTAL.
		1	2	3	4	5	6	7	
SCHOOL COMMITTEE (2 yrs.) WARD 3.									
George E. Whitaker,	Republican,	...	....	645	...	....	....	....	645
Denis I. Crimmings,		....	....	1	....	....	....	....	1
Leila C. Pennock,		....	....	3	....	....	....	....	3
Blank,		....	....	179	....	....	....	....	179
SCHOOL COMMITTEE (2 yrs.) WARD 4.									
Albert H. Benson,	Democratic,	....	....	....	100	....	....	....	100
Charles A. Kirkpatrick, Jr.,	Republican,	....	....	....	568	....	....	....	568
Blank,		....	....	....	89	....	....	....	89
SCHOOL COMMITTEE (2 yrs.) WARD 5.									
Henry H. Folsom,	Republican,	....	....	....	....	893	....	....	893
Patrick H. Ryan,		....	....	....	....	1	....	....	1
Alfred Murphy,		....	....	....	....	1	....	....	1
Blank,		....	....	....	....	299	....	....	299
SCHOOL COMMITTEE (2 yrs.) WARD 6.									
Frederick A. P. Fiske,	Republican,	....	....	....	....	....	858	....	858
Blank,		....	....	....	....	....	263	....	263
SCHOOL COMMITTEE (2 yrs.) WARD 7.									
George C. Mahoney,	Republican,	....	....	....	....	....	1,098	1,098	1,098
Blank,		....	....	....	....	....	343	343	343
SCHOOL COMMITTEE (1 yr.) WARD 7.									
(TO FILL VACANCY)									
Harry G. Chase,	Republican,	....	....	....	....	....	....	485	485
Lilla H. Tainter,	{ Republican	....	....	....	....	....	....	877	877
	{ Independent	....	....	....	....	....	....	877	877
Blank,	{ Nom. Paper.	....	....	....	....	....	....	79	79
SHALL LICENSES BE GRANTED FOR THE SALE OF INTOXICATING LIQUORS IN THIS CITY?									
Number of "Yes" votes,		357	446	202	118	276	258	173	1,830
Number of "No" votes,		582	255	592	590	816	770	996	4,601
Blank,		106	95	30	44	91	87	77	530

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.	YRS.	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

* Census.

ORDINANCES.

Somerville, January 1, 1910.

The following ordinances have been adopted since the printing of the annual reports for the year 1908:—

No. 73.

An Ordinance to Prohibit Passing Upon, Over or Across Reserved Spaces in the Streets.

Be it ordained by the Board of Aldermen of the City of Somerville, as follows:—

Section 1. No person shall, unless authorized so to do by law or as an employee of the city, cause or allow a wagon, sleigh or other vehicle to pass upon, over or across any space heretofore or hereafter reserved in a street or way under the provisions of section 85 of chapter 48 of the Revised Laws of Massachusetts, or under other statutes applicable to such reserved spaces.

Section 2. No person shall, unless authorized so to do by law or as an employee of the city, pass upon, over or across any space heretofore or hereafter reserved in a street or way under the provisions of section 85 of chapter 48 of the Revised Laws of Massachusetts or under other statutes applicable to such reserved spaces.

Section 3. Whoever violates a provision of this ordinance shall be liable to a penalty of not more than twenty dollars for each offence.

Section 4. This ordinance shall take effect upon its passage.

Approved May 28, 1909.

No. 74.

An Ordinance in Relation to Electric Motors and Engines.

Be it ordained by the Board of Aldermen of the City of Somerville, as follows:—

Section 1. Section 1 of Ordinance No. 62 is hereby amended by inserting in the first line after the word motor, the words, "exceeding two horse power."

Section 2. This ordinance shall take effect upon its passage.

Approved May 28, 1909.

No. 75.

Ordinance Relating to the Picking, Sorting and Storage of Rags, Waste Rubber or Waste Papers.

Be it ordained by the Board of Aldermen of the City of Somerville, as follows:—

Section 1. No person shall use, occupy, or maintain any building in this city for the purpose of picking, sorting, or storage of rags therein without a license from the Board of Aldermen. No person shall pick, sort, or store rags in any building without a license from the Board of Aldermen. No person shall pick, sort, or store rags in any building used for habitation. No person shall pick, sort, or store rags in or upon any lot of land within 300 feet of any building. The Chief Engineer of the Fire Department is hereby empowered to make such regulations to be observed by the person named in the license, his employees, agents, and servants, as to the use of the building and the

premises upon which the same is situated, and otherwise, as he may deem proper.

Section 2. No person shall use, occupy, or maintain any building in this city for the purpose of picking, sorting, or storage of waste rubber or waste papers therein without a license from the Board of Aldermen. No person shall pick, sort, or store waste rubber or waste papers in any building without a license from the Board of Aldermen. No person shall pick, sort, or store waste rubber or waste papers in any building used for habitation. No person shall pick, sort, or store waste rubber or waste papers in or upon any lot of land within 300 feet of any building. The Chief Engineer of the Fire Department is hereby empowered to make such regulations to be observed by the person named in the license, his employees, agents, and servants, as to the use of the building and the premises upon which the same is situated, and otherwise, as he may deem proper.

Section 3. In no case shall the license under the preceding sections be granted until after a notice of the application for such license has been published in one or more newspapers in the City of Somerville, and a public hearing given to all persons interested therein.

Section 4. Any license granted under the provisions of this ordinance may be revoked at any time by the Board of Aldermen with or without notice to the licensee.

If any person violates a regulation made by the Chief Engineer of the Fire Department under the authority above given, his license shall thereupon become null and void.

Section 5. Any person licensed by the Board of Aldermen of this city to keep a shop for the purchase, sale, or barter of junk shall not be required to obtain a license under this ordinance.

Section 6. The fee for a license under the provisions of this ordinance shall be ten dollars.

Section 7. Whoever violates a provision of this ordinance shall be liable to a penalty of not more than twenty dollars for each offence.

Section 8. This ordinance shall take effect upon its passage.

Approved June 14, 1909.

No. 76.

An Ordinance Relating to Construction of Buildings.

(This ordinance has been published for distribution in pamphlet form.)

No. 77.

An Ordinance to Amend Section 7 of Chapter XVIII of the Revised Ordinances of 1900.

Be it ordained by the Board of Aldermen of the City of Somerville, as follows:—

Section 1. Section 7 of Chapter XVIII of the Revised Ordinances of 1900 is hereby amended by striking out the word "ten" in the third line, and inserting in place thereof the word six, and by striking out the word "twenty-two" in the second line, and inserting in place thereof the word twenty-four.

Section 2. This ordinance shall take effect December 1, 1909.

Passed November 26, 1909.

FREDERIC W. COOK,
City Clerk.

JURY LIST OF THE CITY OF SOMERVILLE.

Prepared by the Registrars of Voters, June 24, 1909.

A

Abbott, Alonzo F., 8 Concord avenue, Shipper.
Ackerman, Herman E., 14 Bay State avenue, Shoe jobber.
Adams, Arthur E., 74 Bay State avenue, Head bookkeeper.
Adams, Charles M., 22 Highland road, Claim adjuster.
Adams, Charles S., 9 Holyoke road, Traveling salesman.
Adcock, John H., 205 Highland avenue, Plumber.
Ainsworth, Fred W., 390-A Highland avenue, Broker real estate.
Alexander, Harrison B., 6 Dartmouth street, Brakeman.
Allen, J. Edward, 52 Hall avenue, Manager.
Alletzhasser, Frederick, 9 Wheatland street, Jeweler.
Allison, James W., 95 Mt. Vernon street, Carpenter.
Amee, 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, Gas fitter.
Armstrong, David B., 25 Lincoln avenue, Plumber.
Arnold, E. Olney, 56 School street, Carpet cleaner.
Arrington, William F., 37 Walnut street, Proof reader.
Ashton, Albert C., 33 Columbus avenue, Treasurer.
Ashworth, Fred N., 104 Cross street, Manufacturer.
Atkins, Henry M., 41 Bay State avenue, Messenger.
Atkinson, Thomas, 69 Highland road, Insurance superintendent.
Attwood, J. Lorenzo, 12 Park avenue, Bookkeeper.
Atwater, George W., 1 Avon street, Foreman.
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, Grocer.

B

Babcock, Cyrus W., 23 Chandler street, Box maker.
Bacon, Fred C., 78 Marshall street, Gentlemen's furnishings dealer.
Baier, Fred J., 7 Shawmut place, Electrician.
Baird, James E., 454-A Medford street, Milk dealer.
Baker, Charles T., 93 Munroe street, Upholsterer.
Baker, Jacob, 38 Pritchard avenue, Paperhanger.
Baker, Nicholas, 9 Bedford street, Cooper.
Baldwin, Edwin C., 83 Curtis street, Bookkeeper.
Bancroft, Edward A., 31 School street, Barrel dealer.
Barber, William L., 36 Marshall street, Clerk.
Barber, William M., 82 Munroe street, Inventor.
Barker, Edgar C., 12 Ellsworth street, Clerk.
Barker, James A., 140 School street, Clerk.
Barnard, Alexander G., 209 Willow avenue, Messenger.
Barnes, Edmund K., 77 Lexington avenue, Druggist.
Barnes, Frank, 24 Milton street, Box manufacturer.
Baron, Benjamin F., 7 Quincy street, Machinist.
Barr, George S., 27 Electric avenue, Salesman.
Barstow, William N., 37 Francesca avenue, Salesman.

Bartlett, George E., 5 North Union street, Machinist.
 Barton, George S., 18 Dana street, Designer.
 Batchelder, George W., 20 Madison street, Foreman.
 Bateman, Charles R., 1228 Broadway, Driver.
 Bateman, Louis O., 72 Highland road, Shoe clerk.
 Bates, Roscoe E., 34 Jay street, Engineer.
 Baxter, Charles H., Jr., 1 Thurston street, Clerk.
 Bean, Gerard D., 136 Lowell street, Bookkeeper.
 Bean, John D., 3 Lincoln street, Teamster.
 Beaudet, Edward P., 1 Chester avenue, Clerk.
 Beckley, Henry F., 221 Morrison avenue, Salesman.
 Belcher, Albert W., 57 Highland road, Traveling salesman.
 Belden, Lawrence A., 40 School street, Gentlemen's furnishings dealer.
 Bellows, George M., 611 Broadway, Piano salesman.
 Belt, Robert M., 51 Curtis street, Superintendent.
 Bennett, Daniel J., 37 Stone avenue, Harness maker.
 Bennett, George H., 15 Pritchard avenue, Machinist.
 Bennett, Herbert E., 13 Charnwood road, Heating engineer.
 Bent, J. Fletcher, 51 Hall avenue, Clerk.
 Bentley, George W., 19 Adams street, Commission merchant.
 Benway, Charles H., 66 Fremont street, Real estate agent.
 Benwell, Harry A., 103 Hancock street, Stenographer.
 Berglund, John E., 53 Dickinson street, Machinist.
 Berry, Andrew C., 6 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.
 Blair, John H., 54 Gilman street, Bookkeeper.
 Blake, Charles S., 19 Banks street, Jeweler.
 Blake, Frank R., 21 Derby street, Machinist.
 Blanchard, C. Frederick, 2 Curtis avenue, Real estate agent.
 Bliss, Winthrop R., 66 Putnam street, Life insurance agent.
 Blondell, Richard A. L., 82 Pearson avenue, Foreman.
 Bolton, Harry P., 10 Crescent street, Expressman.
 Bond, Percy C., 18 Summit avenue, Builder.
 Boodry, George R., 26 Josephine avenue, Stereotyper.
 Booth, William G., 51 College avenue, Designer.
 Bossey, Thomas F., 111 Elm street, No occupation.
 Bosworth, James D., 9 Teele avenue, Electrician.
 Bosworth, William H., 10 Powder House terrace, Advertising mgr.
 Boulter, Joseph B., 23 Bow street, Cabinet maker.
 Bourne, Phillips P., 191 Summer street, Engineer.
 Boutillier, Ernest G., 41 Ash avenue, Clerk.
 Beckman, Frank W., 41 Stone avenue, Foreman.
 Bowdren, Michael J., 39 Maple street, Nurse.
 Bowker, Frank P., 31 Avon street, Salesman.
 Bowlby, James L., 3 Harvard place, Teamster.
 Bowman, F. Elmore, 65 Elm street, Optician.
 Boyce, Joseph P., 78 Liberty avenue, Cigar manufacturer.
 Boyd, Everett W., 147 Powder House boulevard, Salesman.
 Boyer, George R., 29 Wigglesworth street, Builder.
 Brack, Frederick, 33 Cambria street, Insurance agent.
 Brackett, Harry E., 46 Cedar street, Salesman.
 Bradbury, John J., 52 Adams street, Provision dealer.
 Bradley, Daniel A., 67 Beacon street, Piano finisher.
 Brastow, George K., 162 Summer street, Insurance broker.
 Braxton, Robert S., 29-A Walter street, Teamster.

Breck, Walter W., 79 Thurston street, Bookkeeper.
 Bremner, John A., 49 Bow street, Picture frame manufacturer.
 Brewer, George C., 170 Summer street, Cigar salesman.
 Bridges, Allie C., 17 Glendale avenue, Electrician.
 Briggs, J. Albion, 59 Vinal avenue, Real estate agent.
 Brigham, Walter J., 37 Charnwood road, Collector.
 Brine, Charles F., 36 Columbus avenue, Tailor.
 Brine, Henry C., 21 Greene street, Dry goods dealer.
 Broadhead, William H., 86 School street, Electrician.
 Brock, John F., 10 Ossipee road, Produce dealer.
 Brodil, William A., 7 Greenville street, Tailor.
 Brown, Burton S., 706 Broadway, Accountant.
 Brown, C. Leonard, 38 Wallace street, Civil engineer.
 Brown, Duncan, 23 Cedar street, Printer.
 Brown, George E., 14 Grand View avenue, Woolens dealer.
 Brown, Linwood G., 4 Taunton street, Carpenter.
 Brown, Lyman H., 32 Stone avenue, Livery stable keeper.
 Brown, William I., 67 Boston street, Treasurer.
 Brownlee, Edward J., 34 Ash avenue, Shipper.
 Brownville, Edwin A., 20 Hall street, Unemployed.
 Bruneau, Eugene, 4 Putnam street, Photographer.
 Bryant, Oliver S., 29 Aberdeen road, Weigher.
 Buchert, L. Philip, 42 Victoria street, Superintendent.
 Bucknam, William E., Jr., 99 Hudson street, Clerk.
 Buffum, Charles F., 21 Hudson street, Tailor.
 Bullard, Elijah C., 243-A Highland avenue, Superintendent.
 Bullard, Walter H., 22 Stickney avenue, No occupation.
 Burbank, Ernest W., 98 Hudson street, Yard master.
 Burckes, Arthur L., 20 Sargent avenue, Clerk.
 Burgess, Sterns W., 32 Rogers avenue, Electrician.
 Burgess, William H., 38 Cambria street, Bond salesman.
 Burke, James E., 41 Derby street, Commission merchant.
 Burnham, Arthur W., 66 Rogers avenue, Traveling salesman.
 Burns, Paul S., 53 Willow avenue, Assistant manager.
 Burroughs, Edwin F., 24 Park avenue, Paymaster.
 Burrows, Joseph C., 39 Ossipee road, Dentist.
 Burtnett, Eugene A. F., 39 Ware street, Bookkeeper.
 Burton, Walter, 2 Homer square, Artist.
 Butler, James A., 162 Lowell street, Real estate agent.
 Butters, Charles S., 51 Church street, Provision dealer.
 Butters, Harold A., 48 Putnam street, Salesman.
 Butterworth, Elwell R., 35 Pearl street, Assistant superintendent.
 Byrns, Ernest H., 67 Walnut street, Electrician.

C

Cadwallader, Thomas J., 3 Lawson terrace, Clerk.
 Cahalan, Charles W., 89 Heath street, Master plumber.
 Cahoon, Benjamin B., 46 Mystic avenue, Telephone manager.
 Callaghan, Thomas J., 39 Poplar street, Yard master.
 Callow, John R., 42 Concord avenue, Car inspector.
 Cameron, George B., 170 Powder House boulevard, Carpenter.
 Campbell, Henry F., 414 Medford street, Agent.
 Campbell, William J., 19 Putnam street, Machinist.
 Cann, Albert T., 38 Craigie street, Restaurant keeper.
 Cannon, Joseph J., 25 Shawmut street, Salesman.
 Card, Frederick L., 243 Pearl street, Provision dealer.
 Carey, Alfred E., 19 Newbury street, Carriage painter.
 Carlton, Fred I., 100 Porter street, Pattern maker.
 Carmody, Eugene M., 383 Medford street, Salesman.

- Carpenter, Adelbert B., 58 Central street, Commission merchant.
 Carpenter, Allen F., 22 Laurel street, Grocer.
 Carpenter, George O., 62 Highland avenue, Salesman.
 Carr, Charles H., 53 Lowden avenue, Compositor.
 Carr, Eugene P., 18 Benton road, Manufacturing jeweler.
 Carr, Fred M., 12 Westwood road, Manufacturing jeweler.
 Carr, Roy W., 130 College avenue, Confectioner.
 Carrick, Samuel P., 271 Medford street, Editor.
 Carter, Horace C., 123 Walnut street, Musician.
 Cartwright, William N., 262 Broadway, Agent.
 Carrill, Sewell A., 28 Highland avenue, Salesman.
 Casseau, Charles H., 17 Charnwood road, Ornamental painter.
 Cass, Frank L., 35 Montrose street, Brakeman.
 Castleman, James T., 35 Laurel street, Lodging house keeper
 Caton, Albertiss M., 189 School street, Manager.
 Chamberlin, Horace A., 35 Willow avenue, Salesman.
 Chandler, Leonard B., 45 Jaques street, Milk dealer.
 Chapin, Alonzo B., 11 Mystic street, Collector.
 Chapman, Amasa L., 68 Flint street, Engineer.
 Chase, Washington I., 85 Vine street, Distiller.
 Cheetham, Samuel, 608 Broadway, Machinist.
 Cheever, Albert S., 6 Aldersey street, Division 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, Truckman.
 Christie, Trott K., 22 Oliver street, Teamster.
 Church, Albert A., 240-A School street, Printer.
 Churchill, Edsyl, 37 Church street, Freight handler.
 Clark, Charles W., 21 Westminster street, Clerk.
 Clark, George W., 65 Central street, Cruller manufacturer.
 Clarke, Wilbur S., 40 Vinal avenue, Bookkeeper.
 Clayton, George H., 60 Mt. Vernon street, Carpenter.
 Clement, Otis S., 160 Highland avenue, Clerk.
 Clifford, Rupert F., 54 Willow avenue, Tea blender.
 Clough, Warren A., 40 School street, Pattern maker.
 Coan, Thomas S., 18 Fremont street, Bookkeeper.
 Coffin, Clarence D., 67 Hall avenue, Builder.
 Colby, Alfred E., 128 Powder House boulevard, Bookkeeper.
 Colcord, Albert P., 19 Pritchard avenue, Clerk.
 Cole, Herbert A., 34 Pearl street, Driver.
 Cole, Ivory F., 29 Raymond avenue, Carpenter.
 Collieson, Clarence E., 19 Park avenue, Leather dealer.
 Collins, John D., 22 Vine street, Mason.
 Colman, Charles W., 151 Central street, Architect.
 Comfort, James J., 9 Hammond street, Car conductor.
 Comstock, Milo M., 9 Burnside avenue, Confectionery salesman.
 Conant, Clarence T., 147 Hudson street, Milkman.
 Condit, Fred H., 255 Medford street, Musician.
 Conlon, Bernard, 27 Marion street, Laborer.
 Connor, Michael J., 10 Columbus avenue, Tailor.
 Cook, Forrest D., 181 Powder House boulevard, Reporter.
 Copithorne, John, 81 School street, Carpenter.
 Corbett, William J., 315-A Summer street, Assistant paymaster.
 Corliss, Charles H., 36 Greenville street, Butter dealer.
 Corner, Frank B., 19 Highland road, Salesman.
 Corwin, Charles J., 195 Highland avenue, Traveling auditor.
 Corwin, Charles R., 169 Summer street, Poultry dealer.
 Couch, William H., Jr., 23 Rogers avenue, Clerk.

Countway, Francis A., 28 Robinson street, Manager and treasurer.
 Cousens, Elmer E., 21 Prospect Hill avenue, Bookkeeper.
 Cowan, John F., 332 Summer street, Typesetter.
 Cox, Edgar M., 303 Washington street, Verifier.
 Cox, Frank H., 21 Wheatland street, Artist.
 Cragie, Frank C., 16 Sycamore street, Electrician.
 Cremen, John W., 69 Oxford street, Janitor.
 Crenner, Bartlett P., 61 Adams street, Leather dealer.
 Crierie, Fred R., 418-A Medford street, Foreman.
 Crispin, Andrew H., Jr., 31 Chandler street, Carpenter.
 Crocker, Charles F., 42 Curtis street, Grocer.
 Crocker, Lancis S. J., 19 Church street, Teamster.
 Cromwell, Joseph H., 209-A Highland avenue, Ship chandler.
 Cross, John A., 10 Lee street, Bookkeeper.
 Crothers, Leon H., 29 Albion street, Shipper.
 Crowell, Albert F., 53 Rogers avenue, Bookkeeper.
 Crowell, Austin, 22 Walnut street, Tailor.
 Crowell, Cutler C., 85 Benton road, Superintendent.
 Crowley, Albert G., 387 Medford street, Clerk.
 Cudworth, Frank N., 29½ Alston street, Fireman.
 Cummings, Cecil H., 19 Robinson street, Fruit dealer.
 Cunningham, Thomas A., 60 Beacon street, Grocer.
 Currie, Richard, 35 Windsor road, Insurance agent.
 Cutler, Alfred M., 234 Medford street, Clerk.
 Cutler, Frank E., 44 Walnut street, Painter.
 Cutter, Frederic R., 64 Vinal avenue, Jeweler.
 Cutter, Irving R., 7 Cutter park, Insurance agent.

D

Dadmun, Henry H., 48 Oxford street, Salesman.
 Dadmun, Leon E., 97 Morrison avenue, Photographer.
 Dainty, Henry, 216 School street, Agent.
 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, Stenographer.
 Darby, Frederick C., 48 Mystic avenue, Foreman.
 Dardis, John F., 307 Washington street, Polisher.
 Davenport, Howard H., 86 Munroe street, Assistant treasurer.
 Davis, Albert I., 35 Fairmount avenue, Bookkeeper.
 Davis, Edward A., 9 Holt avenue, Sail maker.
 Davis, George E., 82 Munroe street, Accountant.
 Davis, George M., 20 Arthur street, Mason.
 Davison, George Melville, 59 Victoria street, Steam fitter.
 Dawson, Howard, 70 Albion street, Clerk.
 Day, Eugene H., 39 Hudson street, Machinist.
 Dayton, Francis A., 456 Somerville avenue, Collector.
 Dean, Clarence H., 26 Lowden avenue, Shipper.
 DeCoster, Alvah V., 43 Lowell street, No occupation.
 Dedrick, Clarence H., 94 Josephine avenue, Clerk.
 Delay, James, 48 Beacon street, Florist.
 Dellea, John J., 26 Otis street, Driver.
 Delorme, George F., 29 Trull street, Nickel plater.
 Dennett, John M., 23 William street, Stable keeper.
 Denvir, William E., 197 Summer street, Shipper.
 Despeaux, George W., 51 Craigie street, Telephone collector.
 Dick, David, 36 Newbury street, Sawyer.
 Dickey, William E., 33 Bromfield road, Clerk.
 Dillaby, Charles P., 96 Munroe street, Draughtsman.

Dillon, Eli T., 11 Grand View avenue, Bookkeeper.
 Dinsmore, Fred C., 8 Arthur street, Grain dealer.
 Dion, Francis M., 144 Willow avenue, Fruit salesman.
 Dobinson, William J., 22 Greene street, Photo engraver.
 Dodge, Edwin G., 21 Benedict street, Photographer.
 Doherty, Bernard A., 11 Crocker street, Bookkeeper.
 Doherty, Cornelius A., 75 Cross street, Milk dealer.
 Dolben, William H., 5 Ossipee road, Mechanical engineer.
 Dolliver, Edwin C., 176 Summer street, Produce dealer.
 Donaldson, Charles A., 153 Glen street, Engineer.
 Donnell, Eugene D., 112 Packard avenue, Clerk.
 Dooling, David H., 306 Washington street, Painter.
 Doten, Herbert W., 115 Glenwood road, Furniture dealer.
 Dougherty, John E., 7 Oak street, Shipper.
 Douglas, Charles E. M., 144 Lowell street, Salesman.
 Dowd, Thomas, 50 Fellsway West, Plasterer.
 Downer, Frank O., 181 Medford street, Railroad police.
 Downing, John L., 22 Hamlet street, Shipper.
 Doyle, Edgar W., 29 Berkeley street, Clerk.
 Drake, George H., 21 Highland avenue, Inspector.
 Dresser, George H., 193 School street, Superintendent.
 Drew, Frank M., 56 College avenue, Foreman.
 Drinkwater, Frank M., 872 Broadway, Salesman.
 Drouet, E. Charles, 66 Walnut street, Real estate dealer.
 Duncan, John, 2 Brastow avenue, Manufacturer.
 Dunham, George J., 365 Broadway, Automobile dealer.
 Dunham, Marshall W., 365 Broadway, Bicycle dealer.
 Dustin, Harry N., 40 Church street, Clerk.
 Dykeman, William A., 60 Marshall street, Architect.

E

Eames, Henry H., 11 Chapel street, Machinist.
 Earle, Lewis B., 87 Irving street, Clerk.
 Easter, William A., 27 Milton street, Electrician.
 Eastman, Ulysses G., 53 Pritchard avenue, Carpenter.
 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, Journalist.
 Edkins, Arthur, 5 Mountain avenue, Shipper.
 Edmonds, John S., 15 Central street, Draughtsman.
 Edmond, George A., 10 Wesley street, Machinist.
 Edson, Charles A., 9 Dana street, Confectioner.
 Edwards, Edward H., 10 James street, Chiropodist.
 Egerton, Charles S., 63 Boston street, Cigar dealer.
 Eich, John W., 32 Holyoke road, Chemist.
 Elie, Rudolph F., 35 Fenwick street, Optician.
 Elkins, John F., 142 Medford street, Contractor.
 Elliott, Walter S., 132 Boston avenue, Stereotyper.
 Elliot, Charles J., 59 Oxford street, Civil engineer.
 Elliot, Reed L., 40 Columbus avenue, Architect.
 Elliott, George E., 103 Glenwood road, Assessor and salesman.
 Elliott, Waldo F., 174 Walnut street, Storehouse manager.
 Elwell, D. Jerome, 16 Conwell avenue, Artist.
 Emerson, Waldo S., 32 Moreland street, Plumber.
 Emerson, William J., 104 Broadway, Boot and shoe dealer.
 Emery, Everett C., 5 Columbus avenue, Clerk.
 Emery, George W., 27 Albion street, Draughtsman.
 Epps, Albert E., 25 Cedar street, Clerk.

Estabrook, Delbert W., 11 Robinson street, Foreman.
 Estey, Clarence A., 16 Highland avenue, Railroad clerk.
 Esty, Austin S., 203 School street, Manager.
 Eustace, James D., 205 Broadway, Salesman.
 Evans, E. Montrose, 11 Pearson road, Pharmacist.
 Everett, Percival H., 16 Packard avenue, Civil engineer.

F

Fairfield, Herbert E., 12 Lovell street, Bookkeeper.
 Fales, Elisha B., 746 Broadway, Bookkeeper.
 Fales, Silas P., 120 Central street, Traveling salesman.
 Fallen, John F., 7 Beach avenue, Junk dealer.
 Farmer, Luke W., 92 Thurston street, Commission merchant.
 Farnsworth, Frank E., 283-R Broadway, Artist.
 Farrar, Willard S., 12 Adams street, Grocer.
 Farrell, Robert J., 21 Avon street, Tea dealer.
 Farwell, Robert B., 62 Vinal avenue, Civil engineer.
 Farwell, Ruleffe H., 92 Central street, Pressman.
 Fash, Reuben A., 14 Wheeler street, Confectioner.
 Felch, Lewis E., 10 Giles park, Salesman.
 Felt, Irwin S., 36 Bay State avenue, Lunch room proprietor.
 Fenelon, Charles P., 36 Beacon street, Manager.
 Ferguson, Herbert J., 12 Ibbetson street, Stock clerk.
 Fernmoyle, William J., 11 Pleasant avenue, Painter.
 Fernald, Edgar A., 140 Central street, Bookkeeper.
 Fewkes, Charles H., 702 Broadway, Engraver.
 Fickett, Edward W., 24 Elston street, Clerk.
 Fickinger, Frank A., 76 Winslow avenue, Broker.
 Field, William W., 21 Milton street, Pattern maker.
 Fife, John F., 17 Cutter avenue, Stationary engineer.
 Fillebrown, Arthur M., 15 Buckingham street, Machinist.
 Finn, William, 502 Broadway, Pressman.
 Finney, Nathaniel G., 632 Somerville avenue, Painter.
 Fish, Benjamin F., Jr., 24 Boston street, Painter.
 Fish, Delos D., 33 Simpson avenue, Builder.
 Fish, Ozro M., 41 Banks street, Chemist.
 Fisher, Charles, 74 Concord avenue, Gun builder.
 Fisk, William L., 65 Willow avenue, Clerk.
 Fitch, Frank E., 195 School street, Traveling salesman.
 Fitch, George B., 43 Ware street, Tailor.
 Fitch, Nathan H., 21 Wheeler street, Grocer.
 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, Arthur, 23 Gibbens street, Bookkeeper.
 Fletcher, Charles L., 1 Aldersey street, Provision dealer.
 Fletcher, John E., 81 Walnut street, Collector.
 Flint, Frederick W., 19 Hinckley street, Painter.
 Flint, Lester E., 22 Dover street, Clerk.
 Flynn, Dennis F., 67 Dane street, Upholsterer.
 Flynn, William P., 31 Linden street, Machine helper.
 Foley, William L., 109 Cedar street, Bank clerk.
 Folger, Walter M., 13 Henry avenue, Draughtsman.
 Forbush, Horace A., 31 Bradley street, Salesman.
 Ford, Charles S., 11 Grove street, Canvasser.
 Fosdick, Herbert W., 17 Grand View avenue, Salesman.

Foster, Elmer E., 10 Broadway place, Fireman.
 Foster, John B., 66 Irving street, Artist.
 Foster, Willie F., 56 Curtis street, Bookkeeper.
 Fowler, Charles P., 35 Hamlet street, Foreman and collector.
 Fowler, Frank L., 181 Powder House boulevard, Pressman.
 Fowler, Harris H., 65 Cross street, Elevator constructor.
 Fox, John, 28 Linden street, Laborer.
 Freeman, Maurice J., 33 Walter street, Grocer.
 Freeze, Frank E., 39 Ossipee road, Furniture broker.
 French, Alonzo W., 188 Willow avenue, Oyster salesman.
 French, Charles R., 46 Linden avenue, Salesman.
 French, Winfred H., 44 Dana street, Salesman.
 Friend, Frank C., 64 Highland road, Real estate dealer.
 Frink, William A., 5 Irving street, Undertaker.
 Frisbee, Howard, 272 Willow avenue, Stationer.
 Frisbie, Percy C., 25 Ossipee road, Clerk.
 Frost, Fred A., 27 Pearson road, Clerk.
 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, Charles E., 159 Highland avenue, Box manufacturer.
 Fuller, George F., 20 Park avenue, Clerk.
 Fuller, Wilfred W., 78 Rogers avenue, Salesman.
 Fulton, David, 599½ Somerville avenue, Laborer.
 Fyfe, Charles S., 50 Oxford street, Shirt cutter.

G

Gage, Astell M., 108 Pearson avenue, Leather cutter.
 Gage, Jesse B. T., 24 Appleton street, Printer.
 Gale, George W., 22 Packard avenue, Foreman.
 Gale, Mayland F., 60 Gilman street, Baggage master.
 Gallagher, Frank, 35 Frederick avenue, Clerk.
 Gallagher, Walter S., 9 Forster street, Hotel manager.
 Gannon, John, 1 Ossipee road, Painter.
 Gans, Abraham, 95 Cedar street, Salesman.
 Gardner, George W., 9 Chester place, Salesman.
 Gardner, Walter J., 328-A Highland avenue, Bakery manager.
 Garland, Charles T., 158 Pearl street, Coal dealer.
 Garland, Walter E., 98 Kidder avenue, Salesman.
 Garrett, Russell Newton, 9 Greenville street, Salesman.
 Gary, Joseph E., 86 Irving street, Broker.
 Gay, Frederick, 10-R Boston street, Expressman.
 Gay, Frederick H., 36 Russell road, Agent.
 Gazeley, Arthur E., 94 Marshall street, Assistant secretary.
 Geer, Fayette U., 107 Bartlett street, Printer.
 George, Arthur H., 1100 Broadway, Telephone inspector.
 Getchell, Albert R., 28 Lincoln street, Conductor.
 Getchell, George A., 13 Cherry street, Salesman.
 Gibbs, Edward D., 7 Spencer avenue, Provision dealer.
 Gibby, Frank L., 42 Montrose street, Clerk.
 Gibby, S. James, 42 Montrose street, Assistant shipper.
 Gibson, George, 34-A Prescott street, Salesman.
 Gifford, Reuben Y., 49 Boston street, Bookkeeper.
 Gilbert, Frank A., 84 Lexington avenue, Druggist.
 Gilbert, John C., 8 Rogers avenue, Clerk.
 Gilcreas, Walter F., 210 Willow avenue, Accountant.
 Giles, Edwin J., 78 Pearson avenue, Master mariner.

- Giles, Leon O., 202 Highland avenue, Stock salesman.
Gill, William T., 15 Fountain avenue, Undertaker.
Gilley, Rodney O., 11 Walter street, Hotel steward.
Gillis, Daniel B., 27 Willow avenue, Builder.
Gilman, Charles S., 11 Hathorn street, Teamster.
Gilman, Edwin F., 30 Cutter avenue, Machinist.
Gilmore, Solon E., 33 Crocker street, Undertaker's assistant.
Gilpatrick, Charles L., 44 Benton road, Assistant superintendent.
Gleason, Haskell W., 206 School street, Produce dealer.
Gleason, John L., 17 Dow street, Electrician.
Glidden, George A., 11 Marshall street, Salesman.
Glidden, John M., 9 Marshall street, Salesman.
Glines, Arthur W., 142 Powder House boulevard, Salesman.
Glines, George G., 21 Auburn avenue, Expressman.
Glover, Ellis H., 36 Tufts street, Provision dealer.
Glover, Joseph S., 783 Broadway, Jeweler.
Glynn, William I., 18 Dartmouth street, Salesman.
Gockritz, Francis F., 19 Sewall street, Master painter.
Goddard, Charles E., 7 Wheeler street, Milk dealer.
Goddard, Edward A., 19 Jay street, Clerk.
Goddard, William L., 29 Winslow avenue, Clerk.
Godey, Frederick C., 4 Ivaloo street, Roofer.
Godfrey, Charles O., 328 Highland avenue, Salesman.
Godfrey, Edward H., 71 Central street, Salesman.
Goebel, John W., 71 Pearson avenue, Shoe dealer.
Gohring, Leander H., 10 Billingham street, Printer.
Golden, Joseph F., 24 Bay State avenue, Salesman.
Goldin, Isaac, 9 Crown street, Bookkeeper.
Goldthwaite, Charles H., 174 Hudson street, Surgical instruments dr.
Good, Richard Y., 30 Brastow avenue, Paint dealer.
Gooding, Henry H., 14 Boston street, Clerk.
Goodrich, Emory W., 123 Walnut street, Stereopticon manufacturer.
Goodrich, Wilbur F., 10 Gibbens street, Civil engineer.
Goodspeed, Frank E., 51 Broadway, Clerk.
Goodwin, Charles O., 54 Benton road, Meat cutter.
Goodwin, William G., 101 Josephine avenue, Bookkeeper.
Gordon, Albert E., 45 Union square, Distiller.
Gordon, Arthur C., 58 Beech street, Painter.
Gordon, Harris, 24 Willoughby street, Merchant.
Gordon, Harry W., 38 Ossipee road, Clerk.
Gorham, Benjamin K., 36-A Rogers avenue, Traveling manager.
Gorham, Francis A., 54 College avenue, Real estate agent.
Goss, William E., 30 Oxford street, Draughtsman.
Gould, Charles H., 41 School street, Bookkeeper.
Gould, Frank P., 132 Cedar street, Printer.
Gould, George A., 152 Boston avenue, Salesman.
Gragg, Charles O., 9 Monmouth street, Chauffeur.
Graham, Samuel, 299 Broadway, Machinist.
Grant, Albert P., 720 Broadway, Real estate agent.
Grant, Charles F., 54 Benton road, Meat dealer.
Graustein, Henry L., 98½ Prospect street, Milk dealer.
Graves, David B., 17 Rogers avenue, Clothing dealer.
Graves, Frank W., 27 Winslow avenue, Inspector.
Graves, William L., 44 Josephine avenue, Salesman.
Gray, Chester A., 23 Webster street, Time keeper.
Gray, George A., 338 Broadway, Salesman.
Gray, Hollis E., 39 Pearson road, Telephone inspector.
Green, Bernard J., 250-A Somerville avenue, Mason.
Green, Elva L., 1105 Broadway, Provision dealer.
Green, J. Rush, 11 Cambria street, Lumber dealer.

Green, Robert J., 57 College avenue, Salesman.
 Greene, Elmer W., 26 Hamlet street, Photographer.
 Greene, Frederick A., 5 Essex street, Musician.
 Greenleaf, William E., 248 Medford street, Meat dealer.
 Greenough, John L., 19 Vernon street, Conductor.
 Grieves, William W., 57 Dartmouth street, Bank clerk.
 Griffin, Edwin L., 21 Webster avenue, Clerk.
 Grimes, Herman A., 63 Putnam street, Butter dealer.
 Grover, George E., 144 Broadway, Druggist.
 Grover, Mazina S., 80 Bay State avenue, Foreman.
 Grover, Nelson H., 26 Oxford street, Advertising agent.
 Guild, Julius J., 325 Washington street, Salesman.
 Guptill, B. Frank, 168 Glen street, Glass cutter.
 Gustin, George O., 922 Broadway, Salesman.
 Guyette, Charles J., 64-A Beacon street, Photographer.

H

Hackett, James A., 20 Atherton street, Telegrapher.
 Hadley, Arthur D., 46 Pearl street, Musician.
 Hadley, Freddell O., 30 Conwell avenue, Carpenter.
 Hadley, Walter M., 24 Hathorn street, Real estate agent.
 Hagen, Edward A., 210 Somerville avenue, Glass maker.
 Haley, Fred, 41 Greenville street, Real estate agent.
 Hall, Harley E., 22 Pleasant avenue, Stable keeper.
 Hall, William A., Veazie street, Expressman.
 Ham, Arthur E., 15 Waldo street, Salesman.
 Hancock, Edward, 272 Highland avenue, Butter salesman.
 Hartwell, Haywood, 77 Munroe street, Carpenter.
 Hartwell, Walter C., 15 Kenwood street, Bookkeeper.
 Haskell, Albert L., 60 Putnam street, Job printer.
 Hatch, Arthur E., 46 Browning road, Manager.
 Hayward, John G., 5 Windom street, Insurance agent.
 Hayward, Webster G., 38 Cambria street, Insurance agent.
 Heacox, Dwight C., 45 Springfield street, Machinist.
 Heintz, George, 36 Hudson street, Casket manufacturer.
 Hersey, Charles H., 30 Pembroke street, Clerk.
 Higgins, Byron E., 243 School street, Mason.
 Higgins, Solomon S., 158 Summer street, Real estate agent.
 Hill, Arthur B., 17 Norwood avenue, Musician.
 Hinckley, William V. T., 10 Monmouth street, Clerk.
 Hodgkins, Edward S., 139 Orchard street, Clerk.
 Hoit, Edward P., 275 Highland avenue, Produce dealer.
 Holland, Charles J., 30 Aldrich street, Paperhanger.
 Holland, William L., 30 Aldrich street, Printer.
 Holmes, Frank H., 29-A Veazie street, Plumber.
 Holmes, Samuel, 49 Thurston street, Poultry salesman.
 Hood, Charles H., 2 Benton road, Milk contractor.
 Horton, Charles P., 22 Everett avenue, Janitor.
 Houdlette, Horace A., 63 Columbus avenue, Salesman.
 Houley, Patrick F., 65 Springfield street, Provision dealer.
 Howard, Eugene P., 11 Hall avenue, Salesman.
 Howard, J. Walter, 330 Broadway, Florist.
 Hunnewell, William A., 23 Milton street, Coal dealer.
 Hunt, Charles E., 28 Brook street, Clerk.
 Hunt, Warren F., 236 Highland avenue, Clerk.
 Hunter, William H., 11 Sycamore street, Glass engraver.
 Hurn, George F., 7 Oakland avenue, Carpet cleaner.
 Huse, A. Alonzo, 7 Tower street, Bookkeeper.

I

Ingham, John S., 27-B Summer street, Clerk.
 Ireland, George H., 28 Appleton street, Blacksmith.
 Irish, Fred D., 3 Dartmouth street, Publisher.

J

James, Joseph K., 83 Belmont street, Soap manufacturer.
 James, Williams B., 16 Westwood road, Poultry dealer.
 Jennings, George W., 60 Central street, Clerk.
 Jensen, James A., 21 Meacham street, Freight conductor.
 Jerauld, Frank, 29 Aldrich street, Artist.
 Johnson, Frank O., 436 Medford street, Plumber.
 Joiner, Alexander J. M., 48 Hudson street, Manager.
 Jones, Walter C., 30 Electric avenue, Artist.
 Junkins, Leander D., 5 Billingham street, Designer and inventor.

K

Kaulback, Sumner T., 34 Highland road, Meter maker.
 Kauler, Charles E., 27 Gilman street, Undertaker's assistant.
 Kearney, Edward S., 53 Mansfield street, Sawdust dealer.
 Kearney, John J., 6 Charlestown street, Clerk.
 Keay, Fred E., 153 College avenue, Editor.
 Keegan, Dominick F., 15 Ibbetson street, Foreman printer.
 Keith, Simeon C., Jr., 20 Highland avenue, Biologist.
 Kelley, Isaac S., 22 Electric avenue, Cashier.
 Kendall, Jonas B., Jr., 7 Bowers avenue, Milk dealer.
 Kenneson, Charles A., 176 Walnut street, Storage warehouse keeper.
 Kenney, James, 4 Concord avenue, Carpenter.
 Kidder, Andrew M., 10 Summit avenue, No occupation.
 Kidder, Herbert A., 26 Warner street, Cashier.
 Kiley, Patrick J., 15 Mystic street, Wheelwright.
 Kinney, Edgar L., 92 Sycamore street, Bookkeeper.
 Kirby, Michael, 315 Washington street, Laborer.
 Kneeland, William B., 9 Greene street, Freight solicitor.
 Knight, William E., 425 Norfolk street, Watchman.
 Knowles, Benjamin H., 15 Parker street, Hat manufacturer.
 Knowles, Zoeth R., 52 Putnam street, Printer.
 Knowlton, Edward B., 35 Morrison avenue, Pattern maker.
 Knox, Waldo H., 19 Hancock street, Salesman.

L

Lacount, Eugene D., 34 Day street, Bedding manufacturer.
 Lambert, Frank S., 10 Cross street, Painter.
 Land, Lawrence P., 60 Marshall street, Salesman.
 Lapham, F. DeWitt, 3 Hathorn street, Real estate agent.
 Lavey, John T., 7 Belmont street, Pork packer.
 Lawrence, Bernard W., 289 Highland avenue, Produce dealer.
 Lawrence, George B., 29 Bromfield road, Slate dealer.
 Lawson, Peter P., 101 Summer street, Machinist.
 Leavitt, Frank W., 468 Somerville avenue, Blacksmith.
 LeCount, Frederick R., 7 Dartmouth street, Retired.
 Libbey, Albion H., 152 Powder House boulevard, Salesman.
 Lincoln, Rollin T., 34 Benton road, Salesman.
 Litchfield, J. Warren, 181 Broadway, No occupation.
 Littlefield, Samuel T., 321 Broadway, No occupation.
 Lomasney, John E., 7 Maple avenue, Produce dealer.

Loud, Clarence W., 45 Hudson street, Salesman.
 Lovejoy, George S., 167 Highland avenue, Manager.
 Loveland, Charles M. N., 898 Broadway, Stenographer.
 Lovering, Edward P., 16 Howe street, Mason.
 Lovering, Everett L., 43½ Prescott street, Musician.
 Lowell, George E., 109 Gilman street, Stable keeper.
 Lund, John C., 13 Cutter street, Shipper.
 Lundergan, James W., 40 Dickinson street, Milkman.

M

Makant, Robert, 40 School street, Engraver.
 Mann, Alfred E., 75 Washington street, Undertaker.
 Mansfield, Wilbur F., 773 Broadway, Real estate agent.
 Marchant, Albert L., 92 Vine street, Barber.
 Marsh, William H., 27 Cutter street, Teamster.
 Marshall, John A., 153-A Willow avenue, Salesman.
 Martin, Lewis R., 34 Grant street, Teamster.
 Martinson, William H., 10 Boston street, Engineer.
 Maynard, Fred L., 30 Ames street, Provision dealer.
 McAskill, Scyrene B., 6 Bow street, Candy maker.
 McCarty, John J., 13 Knowlton street, Charcoal dealer.
 McFarland, Chester S., 21 Cedar street, Commission merchant.
 McGrath, Charles T., 35 Lowell street, Carriage painter.
 McGrath, Philip J., 23 Appleton street, Printer.
 McKenna, George F., 292 Lowell street, Undertaker.
 McQuade, Owen A., 6 Taunton street, Polisher.
 Mead, Edward C., 18 Summit avenue, Builder.
 Merrifield, Fred H., 6 Abdell street, Buyer.
 Merrill, Ernest W., 40 Harvard street, Furniture supplies dealer
 Merrill, Herbert E., 11 Lincoln street, Leather salesman.
 Merrill, Warren A., 14 Westminster street, Salesman.
 Messer, Melvin J., 27 Franklin street, Manager.
 Morrison, Frank E., 23 Brook street, Provision dealer.
 Morrow, John J., 17 Perry street, Clerk.
 Mullen, James, 24 Wyatt street, Laborer.
 Murphy, Stephen F., 102 College avenue, Manager.
 Muzzy, Horace T., 31 Vinal avenue, Draughtsman.
 Myott, William C., 54 Richdale avenue, Hoisting engineer.

N

Nason, Charles C., 21 Wigglesworth street, Carpenter.
 Neal, Andrew C., 60 Raymond avenue, Gilder.
 Newton, Elbridge W., 8 Westwood road, Manager.
 Nickerson, John F., 25 Flint street, No occupation.
 Noble, Archibald W., 39 Crocker street, Upholsterer.
 Nowell, Joseph A., 56 Oliver street, Engineer.
 Noyce, Benjamin C., 28 Glen street, Carpenter.
 Nute, Alfred D., 329 Highland avenue, No occupation.
 Nyman, Ernest D., 5 Wigglesworth street, Baggage master.

O

O'Brien, John J., 8 Durham street, Dry goods pedler.
 O'Brien, Timothy F., 4 Prospect place, Grocer.
 O'Brien, William E., 70 Prospect street, Clerk.
 O'Connell, Michael, 35 Linwood street, Pedler.
 O'Donnell, Thomas H., 273 Washington street, Apothecary.
 O'Donoghue, Daniel E., 26 Chandler street, Music teacher.
 O'Neil, John F., 8 Shawmut place, Teamster.
 O'Shaughnessey, Patrick, 76 Derby street, Milk dealer.

P

Page, Daniel W., 21-R Webster avenue, No occupation.
 Paine, Robert S., 110 College avenue, Hay dealer.
 Paisley, William, 407 Broadway, Furniture dealer.
 Parker, Arthur B., 17 Gilman street, Milk dealer.
 Parker, William H., 23 Hall avenue, Salesman.
 Peck, Henry A., 2 Bigelow street, Printer.
 Perham, Edwin R., 92 Packard avenue, Mining (treasurer).
 Philbrick, Charles S., 174 Morrison avenue, R. A. agent.
 Phillips, Bernard C., 6 Giles park, Glass cutter.
 Pickthall, Richard E., 182 Central street, No occupation.
 Pigon, Joseph H., 36 Wallace street, Clerk.
 Plaisted, Arthur I., 17 Franklin street, Electrician.
 Pond, George W., 91 Bay State avenue, Salesman.
 Potter, Henry K., 5 Arthur street, Carriage manufacturer.
 Pratt, Charles H., 20 George street, Civil engineer.
 Preble, Frederick A., 55 Tennyson street, Treasurer.
 Prescott, Albion M., 21 Carlton street, Teamster.
 Preston, T. Franklin, 82 Sycamore street, Manager.
 Prichard, George W., 16 Fremont street, Foreman.
 Pride, Edwin L., 9 Browning road, Accountant.
 Proctor, Guy H., 175 Summer street, Auto supplies dealer.
 Puffer, Charles, 14 Dartmouth street, Produce dealer.

Q

Quinlan, John P., 8 Buckingham street, Driver.

R

Ramsdell, Charles H., Jr., 53 Tufts street, Salesman.
 Rand, Fred C., 35 Banks street, General foreman.
 Ray, Frank E., 16 Virginia street, Salesman.
 Ray, George D., 42 Concord avenue, Engineer.
 Raymond, Charles F., 45 Bromfield road, Collector.
 Raynes, Charles E., 108 Packard avenue, Clerk.
 Reynolds, James F., 7 Adams street, Insurance agent.
 Rhodes, Harry L., 82 Highland avenue, Grocer.
 Rich, Sewall M., 381 Medford street, Fish dealer.
 Richards, Frederick L., 127 Summer street, Mechanical engineer.
 Richards, William P., 44 Day street, Architect.
 Richardson, George A., 20 Wesley street, Painter.
 Richardson, Herbert S., 41 Columbus avenue, Teamster.
 Richardson, Homer L., 11 Albion street, Compositor.
 Ricker, George E., 27 College avenue, Hotel keeper.
 Riley, Philip W., 55 Josephine avenue, Printer.
 Rivers, Fred S., 35 Charnwood road, Electrician.
 Roberts, Oliver S., 15 Kidder avenue, Manager.
 Ronayne, John, 22½ Tyler street, Laborer.
 Russell, Arthur J., 5 Beacon street, Printer.
 Russell, Edmond, 57 Dane street, Mason.

S

Sanborn, Charles H., 50 Walnut street, Steam heating contractor.
 Sanborn, J. Walter, 183 Central street, Commission merchant.
 Sargent, A. Eugene, 2 Sargent avenue, Clerk.
 Sargent, Isaac C., 8 Parker street, Bookkeeper.
 Sargent, Thomas T. M., 67 Myrtle street, Architect.
 Sawyer, William M., 85 Rogers avenue, Conductor.

Schillinger, Edgar F., 152 Walnut street, Clerk.
 Schrafft, William E., 49 Belmont street, Candy manufacturer.
 Sears, Edward S., 130 College avenue, Clerk.
 Sewall, William H., 140 Lowell street, Watchman.
 Seward, William A., 66 Highland avenue, Railway agent.
 Seymour, Alfred A., 10 Brook street, Salesman.
 Shaw, Oscar M., 18 Everett avenue, Carpenter.
 Shepley, Charles H., 45 Union square, Solicitor.
 Sheridan, Arthur H., 22 Perry street, Salesman.
 Shiner, Alfred E., 158 Linwood street, Pedler.
 Sidebottom, William, 21 Dartmouth street, Architect.
 Simonds, Charles F., 86 Belmont street, Mechanic.
 Smith, Arthur A., 15 Summit avenue, No occupation.
 Smith, Edward P., 32 Josephine avenue, Clerk.
 Smith, F. Ellwood, 70 Chandler street, Agent.
 Smith, William, 37 Cherry street, Cabinet maker.
 Snow, Herbert W., 199 Pearl street, Clerk.
 Snow, Walter H., 42 Derby street, Ice cream manufacturer.
 Snow, William A., 17 Francesca avenue, Iron dealer.
 Spaulding, James R., 57 Chandler street, Merchant.
 Sprague, Walter A., 50 Concord avenue, Telegrapher.
 Staples, Mendall G., 3 Pearl terrace, Teamster.
 Stevens, Walter L., 5 Kenwood street, Dentist.
 Stodder, George F., 20 Stickney avenue, Fish dealer.
 Sullivan, Cornelius, 12 Perry street, Brass moulder.

T

Taapken, John R., 227 Holland street, Grocery clerk.
 Tattan, Michael H., 458 Somerville avenue, Real estate agent.
 Thiery, William O., 34 Central street, Salesman.
 Thomas, Joseph M., 23 Stickney avenue, Produce dealer.
 Thompson, Charles W., 237 School street, Music publisher.
 Thomson, Emerson, 10 Pinckney street, Station agent.
 Thurgood, Augustus, 42 Hudson street, Wall paper dealer.
 Tibbetts, Harris P., 33 Bradley street, Carpenter.
 Titus, Anson M., 10 Raymond avenue, Bookkeeper.
 Tobin, John J., 373 Somerville avenue, Shoe dealer.
 Tomfohrde, Richard, 216 Highland avenue, Restaurant keeper.
 Toppan, Arthur W., 209 Highland avenue, Manager.
 Torrens, William L., 255 Broadway, Wood turner.
 Tracy, Albert A., 49 Banks street, Manager.
 Trauschke, Henry H., 78 Fremont street, Clerk.
 Tribble, Hiram, 50 Chandler street, Salesman.
 Tripp, William A., 8 Pearl terrace, Shipper.
 True, Harry A., 120 College avenue, Real estate agent.
 Tucket, Charles R., 104 Bartlett street, Inspector.
 Turner, Walter F., 15 Highland road, Traveling salesman.

U

Ulm, Albert A., 59 Preston road, Printer.
 Upton, Samuel, 102 Glenwood road, Foreman.

V

Van Buren, John D., 45 Tufts street, Carriage painter.
 Van Buskirk, Charles, 20 Prescott street, Wheelwright.
 Varney, Charles A., 408 Highland avenue, Telephone inspector.
 Viall, John B., 4 Webster street, No occupation.
 Vinal, Arthur P., 36 Walnut street, Lumber dealer.

W

Wadleigh, William Y., 65 Boston street, Wholesale grocer.
 Walker, George, 26 Wallace street, Salesman.
 Walker, Granville A., 9 Loring street, Painter.
 Walker, Thomas G., 5 Dell street, Foreman.
 Wanless, David, 534 Medford street, Salesman.
 Waters, Morgan, 11 Sanborn avenue, Assistant superintendent.
 Watters, James, 41 Mystic avenue, Clerk.
 Watters, Robert D., 16 Ames street, Superintendent.
 Webber, Edward O., 77 Partridge avenue, Janitor.
 Wellington, J. Frank, 23 Summit avenue, Coal dealer.
 Wentworth, Frank H., 61 Dartmouth street, Salesman.
 Wentworth, Ransom D., 69 Glen street, Stable keeper.
 West, Edward B., 42 Preston road, Foreman.
 Weston, Howard H., 50 Jaques street, Milk dealer.
 Whitaker, George E., 75 Walnut street, Publisher.
 White, Christopher J., 86 Prospect street, Laborer.
 White, Frank H., 14 Montgomery avenue, Map moulder.
 Whiting, George, 61 Mt. Vernon street, Milk contractor.
 Whiting, James G., 61 Mt. Vernon street, Milk contractor.
 Whitney, James F., 40 Dartmouth street, No occupation.
 Wiggin, Walter S., 74 Walnut street, Salesman.
 Wild, B. Frank, 136 Highland avenue, Coal dealer.
 Wiley, Isaiah H., 446 Broadway, Oil dealer.
 Williams, Charles H., 45 Lexington avenue, Builder.
 Williston, Belvin T., 3 Monmouth street, Mechanical engineer.
 Willoughby, George T., 111 Central street, Builder.
 Withington, Henry A., 189 Summer street, Cotton converter.
 Wood, Charles, 25 Columbus avenue, Locksmith.
 Wood, George A., 40 Laurel street, Hardware dealer.
 Wood, Herbert W., 75 Wallace street, Comb manufacturer.
 Wood, James, 40 Tower street, Locksmith.
 Woodbury, Frederick A., 240-A School street, Shoe dealer.
 Woodley, Edward W., 10 Clarendon avenue, Printer.
 Woods, George H., 334 Broadway, Insurance agent.
 Wright, John Edward, 73 Beacon street, Electrician.
 Wyman, Charles B., 67 Thurston street, Restaurant keeper.

Y

York, Ernest A., 10 Thorndike street, Driver.
 Younker, Richard E., 9 Rossmore street, Wheelwright.

CHARLES P. LINCOLN, Chairman,
 CHARLES E. PARKS,
 EDWIN D. SIBLEY,
 FREDERIC W. COOK,

Board of Registrars of Voters.

CITY GOVERNMENT AND OFFICERS FOR 1909.

Mayor.

JOHN M. WOODS,
47 Spring street.

Board of Aldermen.

President—CHARLES A. BURNS.

Vice-President—ROBERT M. LAVENDER.

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
Philip Koen	97 Concord avenue

WARD THREE.

Clarence A. Smith, Alderman-at-large	25 Munroe street
William E. Copithorne	81 School street
Charles W. Boyer	50 Highland avenue

WARD FOUR.

Amos W. Shepard, Alderman-at-large	191 Broadway
Ray R. Rideout	22 Dana street
William P. Jones	13-A Maple avenue

WARD FIVE.

Charles A. Burns, Alderman-at-large	27 Thurston street
Alphonso A. Wyman	35 Bartlett street
Gerald A. Gardner	8 Hudson street

WARD SIX.

Charles W. Eldridge, Alderman-at-large	109 Rogers avenue
Edgar A. Smith	45 Cedar street
Oscar H. Belding	182 Highland avenue

WARD SEVEN.

Robert M. Lavender, Alderman-at-large	20 Westminster street
Jesse E. Perry	6 William street
Ralph M. Smith	80 Bay State avenue.

City Clerk—FREDERIC W. COOK.

Assistant City Clerk—HOWARD E. WEMYSS.

Regular meetings, second and fourth Thursday evenings of each month, at 8 o'clock, except when such Thursday is a holiday, in which case the meeting is held on the preceding Tuesday evening.

Standing Committees of the Board of Aldermen.

ACCOUNTS.—Aldermen Haley, Lavender and Gardner.

BONDS.—Aldermen Eldridge, Koen and Boyer.

CITY ENGINEERING.—Aldermen Smith (Ward 3), Belding and Smith (Ward 7).

CLAIMS.—The President, Aldermen Smith (Ward 6) and Boyer.

ELECTIONS.—Aldermen Shepard, William H. Smith (Ward 1) and Belding.

ELECTRIC LINES AND LIGHTS.—Aldermen Smith (Ward 6), Perry, Valentine, Rideout and Gardner.

FINANCE.—The President, Aldermen Lavender, Eldridge, Leslie E. A. Smith (Ward 1), Koen, Smith (Ward 3) and Rideout.

FIRE DEPARTMENT.—Aldermen Eldridge, Haley, Perry, Copithorne and William H. Smith (Ward 1).

GRADE CROSSINGS.—Aldermen Koen, Rideout, Leslie E. A. Smith (Ward 1), Gardner and Belding.

HIGHWAYS.—Aldermen Lavender, Shepard, Eldridge, Smith (Ward 3), Wyman, Valentine and Hanley.

LEGISLATIVE MATTERS.—The President, Aldermen Perry and Smith (Ward 6).

LICENSES.—Aldermen Perry, Jones and Haley.

ORDINANCES AND RULES.—Aldermen Wyman, Smith (Ward 7) and William H. Smith (Ward 1).

POLICE.—The President, Aldermen Shepard and Smith (Ward 7).

PRINTING.—Aldermen Smith (Ward 3), Gardner and Hanley.

PUBLIC GROUNDS.—Aldermen Haley, Wyman, Smith (Ward 6), Boyer and Jones.

PUBLIC PROPERTY.—Aldermen Shepard, Copithorne, Leslie E. A. Smith (Ward 1), Belding and Valentine.

SEWERS.—Aldermen Rideout, Copithorne and Hanley.

SPECIAL BUILDING PERMITS.—Aldermen Lavender, Wyman and Boyer.

STATE AID AND SOLDIERS' RELIEF.—Aldermen Koen, Leslie E. A. Smith (Ward 1) and Smith (Ward 7).

WATER.—Aldermen Copithorne, Hanley and Jones.

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.

CHARLES A. BURNS, President Board of Aldermen (ex-officio), 27 Thurston street.

WARD ONE.

EMORY F. CHAFFEE (elected 1908), 109 Pearl street.

HENRY F. CURTIS (elected 1907), 145 Perkins street.

WARD TWO.

THOMAS M. CLANCY (elected 1908), 52 Springfield street.

DANIEL H. BRADLEY (elected 1907), 19 Concord avenue.

WARD THREE.

WILBUR S. CLARKE (elected 1908), 40 Vinal avenue.

GEORGE E. WHITAKER (elected 1907), 75 Walnut street.

WARD FOUR.

GEORGE W. FOSTER (elected 1908), 7 Evergreen avenue.
 CHARLES A. KIRKPATRICK, JR. (elected 1907), 27 Sewall street.

WARD FIVE.

J. WALTER SANBORN (elected 1908), 183 Central street.
 HENRY H. FOLSOM (elected 1907), 103 Central street.

WARD SIX.

LEONARD H. POTE (elected 1908), 694 Broadway.
 FREDERICK A. P. FISKE (elected 1907), 44 Cherry street.

WARD SEVEN.

HENRIETTA B. H. ATTWOOD (elected 1908), 12 Park avenue (died May 21, 1909).

HARRY G. CHASE (elected September 15, 1909, for remainder of municipal year), 37 Sawyer avenue.

GEORGE C. MAHONEY (elected 1907), 97 College avenue.

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 third and fourth Fridays.

Assessors.

(Term, three years.)

GEORGE W. PERKINS, Chairman (term expires 1910).

NATHAN H. REED (term expires 1912).

GEORGE E. ELLIOTT (term expires 1911).

WINSOR L. SNOW (term expires 1912).

WILLIAM A. FLAHERTY (term expires 1911) (died December 23, 1909).

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.)

ALLEN F. CARPENTER, Chairman (term expires 1910).

ZEBEDEE E. CLIFF (term expires 1911).

ALBERT C. ALDRICH, M. D. (term expires 1910).

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.—JULIUS E. RICHARDSON (died October 12, 1909). HERBERT E. BOWMAN (from December 9).

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).

HERBERT E. MERRILL (term expires 1910).

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 1910).

CHARLES E. PARKS (term expires 1911).

EDWIN D. SIBLEY (term expires 1912).

FREDERIC W. COOK, City Clerk (term expires 1911).

Public Library Trustees.

(Term, three years.)

EDWARD C. BOOTH, Chairman (term expires 1910).

JOHN B. VIALI (term expires 1911).

J. FRANK WELLINGTON (term expires 1911).

FREDERICK W. PARKER (term expires 1912).

THOMAS M. DURELL (term expires 1910).

WILLIAM L. BARBER (term expires 1910).

CHARLES L. NOYES (term expires 1911).

FREDERICK W. HAMILTON (term expires 1912).

WILLIAM H. BURGESS (term expires 1912).

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.

JAIKUS MANN.

Mayor's Secretary.

FRED E. WARREN.

ANNUAL REPORTS.

City Solicitor.

FRANK W. KAAH,
50 State street, Boston.

City Auditor.

CLARENCE T. BRUCE.

City Engineer.

ERNEST W. BAILEY.
Office open: 8 A. M. to 4 P. M.; Saturdays, 8 A. M. to 12 M.

Commissioner of Streets.

ASA B. PRICHARD.
Office hour: 9.30 to 10 A. M.

Commissioner of Public Buildings and Inspector of Buildings

WALTER T. LITTLEFIELD.
Office open: 8 A. M. to 4 P. M.; Saturdays, 8 A. M. to 12 M.

Commissioner of Electric Lines and Lights.

WALTER I. FULLER (appointed February 11, 1909).
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 (appointed February 25, 1909).
Office, Police Building, Bow street.

Chief Engineer of the Fire Department.

JAMES R. HOPKINS.
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.

JULIUS E. RICHARDSON (died October 12, 1909).
 HERBERT E. BOWMAN (appointed December 9, 1909).
 310 Broadway.

Inspector of Animals and Provisions.

CHARLES M. BERRY,
 60 Prescott street.

Inspector of Petroleum.

JAMES R. HOPKINS.
 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 open: November 1 to March 31, inclusive, 9 A. M. to 12 M.; April 1 to October 31, inclusive, 9 A. M. to 12 M., Fridays and Saturdays only.

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.	JAIRUS MANN.
CHARLES L. ELLIS.	CHARLES B. PALMER.
CHARLES C. FOLSOM.	ROBERT R. PERRY.
PATRICK J. GARVIN.	MALCOLM E. STURTEVANT.
ARTHUR L. GILMAN.	CHARLES E. WOODMAN.

Measurers of Wood and Bark.

WILLIAM B. HOLMES,
 317 Broadway.
 OSCAR A. DYKENS,
 34 Chestnut street.
 WILLIAM G. GOODWIN,
 8 Holland street.

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.	GEORGE H. MARSH.
EDGAR H. BARKER.	JOHN A. MARSH.
ELMER E. BEACHAM.	FRANK T. McMAHON.
JOHN L. BLAKE.	JOHN J. McMAHON.
WILLIAM J. CALLAHAN.	PHILIP C. McMAHON.
MICHAEL J. CANNEY.	GEORGE H. MOORE.
CORNELIUS COAKLEY.	CARL T. NORDBERG.
CONSTANCE M. COVENEY.	FRANK J. OBERLE.
ELLSWORTH J. CULLEN.	LEWIS O'BRIEN.
WILLIAM G. CUMMINGS.	JAMES P. O'NEILL.
ALBERTUS L. DAKIN.	JOHN J. O'NEILL.
HOWARD H. DAVENPORT.	MARK W. PATTEN.
CHARLES F. DOHERTY.	LOTTIE L. RICE.
AMHERST F. DURKEE.	OBADIAH E. RING.
WILLIAM J. DWYER.	WILLIAM H. ROBINSON.
OSCAR A. DYKENS.	AVERY U. ROCKWOOD.
EVERETT C. EMERY.	JOHN J. RYAN.
FRED L. ESTEY.	ABRAM SIMON.
JOHN D. FLYNN.	STILSON H. SMITH.
CHARLES T. GARLAND.	ORREN S. TARR.
WILLIAM E. GERRISH.	FRANK A. TEELE.
WILLIAM G. GOODWIN.	WILLIAM J. THOMPSON.
GEORGE F. GROGAN.	JOHN P. TULLY.
ALBERT F. HACKETT.	ALFRED A. WALDRON.
ADALA C. HIGGINS.	ELIZABETH M. L. WALLACE.
WILLIAM F. HOULIHAN.	THOMAS WALSH.
SYLVANUS R. KNEELAND.	CHARLES H. WARD.
WILLIAM M. LENNAN.	JOHN H. WOODMAN.
FRANK H. LOCKE.	LUCIEN L. WOODMAN.

Weighers of Beef.

ALBERT E. BAKER.	GEORGE RYAN.
OLIVER BRYANT.	WILLIS B. SARGENT.
CARL BURROWS.	WALTER SAVAGE.
GEORGE M. CHISHOLM.	EDWIN F. SEASLEY.
JAMES DENNEHY.	FRANK H. SHAW.
WILLIAM J. DOONER.	ROBERT E. SMITH.
FRED HARRIS.	LEONARD STICKLEY.
ARTHUR F. MASON.	L. G. TRAFTON.
REUBEN W. MEAD.	JOSEPH F. TYTER.
JOSEPH MURPHY.	GEORGE C. WILLIAMS.
THOMAS S. PARKER.	TOBIAS YAVNER.
HERBERT D. REED.	

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