



CITY OF SOMERVILLE

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With Mayor's Inaugural Address
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THE CITY HALL.

INAUGURAL ADDRESS

DELIVERED BY

HON. EDWARD GLINES, MAYOR,

MONDAY, JANUARY 5, 1903.

GENTLEMEN OF THE BOARD OF ALDERMEN:—

Once more it is my privilege to address you, and, through you, the various city officials and the citizens, upon the opportunities and responsibilities of modern municipal life.

Ungrateful indeed should we be if we did not appreciate the endorsement expressed in the recent election, and the least we can do at the opening of a new municipal year is to take renewed devotion to every interest of our City.

It is impossible to forecast what a year may bring forth, what emergencies may arise, what complications may confront us. We do well to be grateful for the lessons of experience, and to enter upon the duties of a new year content to record our purpose to maintain the good name of our fair City and to advance her prosperity, knowing that upon our action must depend in no small measure the public safety and the comfort of the citizens.

Somerville's past is secure. Her future will depend upon what her citizens make it. One is tempted to refer to sacred memories and associations, but, in a nobler spirit, we face the new day with its problems. He honors the fathers who does his work as they did theirs. As we enjoy the fruits of other men's labors, let us live for and serve those who must enter into our labors.

A second year's administrative experience has not lessened the strenuousness of official life, but rather, has deepened the conviction that only by the utmost diligence and intelligent effort can one meet the demands of a modern city upon her public servants. He who accepts a public office as a public trust, who would have every branch of the City Government administered as economically and efficiently as a successful private business, finds

it no light task to raise and expend one and a quarter millions of dollars a year wisely.

Some citizens are slow to learn that one has no right to expect personal advantages, that place the citizens as a whole at a disadvantage, in city employment or contracts. This is not an easy lesson to learn, and is all too easily forgotten.

A city could not be more free than is ours from suspicion that the administration of any public interest is for private gain. Only by eternal vigilance can this proud distinction be maintained. There are serious hindrances to conducting city affairs on the same business principles as a private corporation. The wonder grows that it is possible to secure such efficient and disinterested service from our Board of Aldermen. In view of all these conditions, it is remarkable that our City affairs are administered practically on the same principles as successful private business.

Public service means service of the public. There is no virtue in economy that does not serve the public. Any mayor and board of aldermen could be economical, if that were the only requisite. Virtue lies only in serving the public satisfactorily, while serving the city economically. Public service is two-fold: first, maintaining the efficiency of every department; second, investing in improved equipment and conveniences. The former is most essential and the least appreciated. New parks, boulevards and public buildings catch the eye of the public and stimulate civic pride, but there is no poetry in maintaining the efficiency of street and sewer, fire and police departments. To this unpoetic phase of public service special attention has been given the past two years.

To the best of my knowledge and belief, there has been no neglect and no deterioration in any department, but rather, a steady expansion and advance toward perfection all along the line. Eternal vigilance is the price of efficiency in any business. You cannot presume upon the reliability of human endeavor, except as you watch it and inspire it.

Wear and tear are inevitable, and the more complicated the mechanism, the greater the wear and tear. This makes a heavy draft upon the City treasury to maintain the efficiency of the equipment. The increase in prices of all materials is another factor that has militated against economy, and yet, notwithstanding all these conditions, there is no feature of our public service

that is not in as good condition as it was two years ago, and in many regards it has been materially improved.

The Financial Problem.

The financial problem must always be with us, and it will be more intricate each year. With close attention to our financial condition, I have come only gradually to understand how difficult it will be for the City to meet all the demands upon her from year to year, and maintain the present reasonable tax rate. It is not only the part of wisdom, but it is a necessity for us to face the facts. It will be next to impossible to maintain the efficiency of every department and to provide the improvements that are absolutely necessary without placing upon posterity a burden too great for it to bear. The Legislature has fixed a debt limit which it considers a fair proportion of the expenses of to-day for posterity to bear, and this limit can be extended only in case of great necessity.

The increase in taxable property has varied from \$500,000 to \$1,500,000 in recent years. The law allows us to use but twelve dollars on \$1,000 for city maintenance. Our taxes available for City maintenance, therefore, have never increased more than \$18,000 in a year, and sometimes as little as \$6,000, whereas the School Department alone has never increased less than \$10,000 for maintenance, and sometimes more than \$20,000. It has always increased more than the entire increase in City taxes for the maintenance of all departments. When we realize that this is only one of the many departments constantly growing, the financial difficulties will be easily appreciated.

Our expenses must continue to increase much more rapidly than our income. Our population is increasing about 2,000 per year, or three per cent. Their proportionate part of the expenses of the City would be \$40,000, whereas our total tax increase at sixteen dollars on a thousand has never been more than \$25,000. Somerville must prepare herself for a ceaseless struggle with her financial problem. Many of the burdens which we bear are inherited from the fathers, and we must not place upon posterity greater burdens than it can bear. In view of all the circumstances, it is with commendable pride that we announce that there has been no deterioration in any department, either in equipment or in standard of service, that we have practically a

perfect working plant in every department, and that we have made some important improvements.

Funded Debt.

The total funded debt of the City January 1, 1902, was \$1,461,000. This debt was increased during the year \$175,000. It was decreased \$159,000, leaving the net funded debt January 1, 1903, \$1,477,000, a net increase of \$16,000.

Taxable Property.

The total amount of taxable property is \$55,558,300, of which \$49,697,500 is on real estate, and \$5,860,800 on personal estate, including non-resident bank shares. At a rate of \$16.40 on each \$1,000 of valuation, the tax is \$911,156.12. There are 18,022 polls at \$2, making \$36,044. We received from street watering \$17,335.68, making the total tax levy \$964,535.80. Total number of persons assessed, resident and non-resident, 25,017.

Of the amount received in taxes, \$134,000 is required for the debt provisions; \$134,581.12 are State and County taxes, Metropolitan sewer, etc., matters over which the City has no control; \$333,700 is used for current expenses of departments, over which the Board of Aldermen has no control; \$308,875 is the amount for current expenses within control of the Board of Aldermen. The same statement, based upon the \$16.40 per thousand, is as follows: Of each \$16.40, \$2.42 are for State, County, and Metropolitan taxes; \$2.41 for debt requirements; \$6.01 for current expenses, over which the Board of Aldermen has no control; \$5.56, current expenses within the control of the Board of Aldermen.

In addition to the amount received from taxes, there was available last year the sum of \$215,010.79 on water income account; we received \$33,795.89 from corporation and bank taxes; from the Clerk of Courts, \$5,155; from the County Treasurer for dog licenses, \$3,230.95; from the State, the street railway tax, \$52,406.28; unexpended appropriations of 1901, \$6,974.75; a total of \$316,573.66, making the total amount available from taxes and other sources, \$1,281,109.46.

The estimated borrowing capacity of the City January 1, 1903, was \$157,000. By the first of October this will be increased \$136,000, making a total borrowing capacity of \$293,000.

The City's Finances.

Funded Debt.—The funded debt of the City January 1, 1902, was as follows:—

Funded Debt, City Loan	\$1,059,000 00
Funded Debt, Sewer Loan	172,000 00
Funded Debt, Paving Loan	55,000 00
Funded Debt, Water Loan	175,000 00
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	\$1,461,000 00

The debt was increased during the year by appropriations made by the Board of Aldermen as follows:—

Public Buildings Construction:—	
Schoolhouse in Ward One	\$8,000 00
Schoolhouse in Ward Seven	34,000 00
Sewers Construction	25,000 00
Public Grounds:—	
Glen-Street Addition	800 00
Athletic Field in Ward Seven	1,000 00
Land on Prospect Hill for Park Pur- poses	13,500 00
Prospect Hill Park	8,000 00
Sidewalks Construction	16,000 00
Highways:—	
Paved Gutters and Crossings	19,000 00
Construction Munroe Street and Stone Avenue	5,500 00
Electrical Department, Steam Fire Alarm Whistle	200 00
Renewal of Funded Debt	17,000 00
Commonwealth of Massachusetts, Metro- politan Park Assessment	27,000 00
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Amount borrowed during the year	\$175,000 00

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

Funded Debt, City Loan	\$116,000 00
Funded Debt, Sewer Loan	9,000 00
Funded Debt, Paving Loan	5,000 00
Funded Debt, Water Loan	29,000 00
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Amount paid during the year	\$159,000 00

Leaving the funded debt of the City January 1, 1903, \$1,477,000 (an increase of \$16,000 from the previous year), classified as follows:—

City Loan Bonds bearing interest at 3½ per cent.	\$359,000 00
City Loan Bonds bearing interest at 4 per cent.	672,000 00
City Loan Bonds bearing interest at 4½ per cent.	35,000 00
City Loan Sewer Bonds bearing interest at 3½ per cent.	54,000 00
City Loan Sewer Bonds bearing interest at 4 per cent.	125,000 00
City Loan Sewer Bonds bearing interest at 4½ per cent.	9,000 00
City Loan Paving Bonds bearing interest at 4 per cent.	50,000 00
Water Loan Bonds bearing interest at 4 per cent.	136,000 00
Water Loan Bonds bearing interest at 5½ per cent.	10,000 00
Metropolitan Park Assessment Loan Bonds bearing interest at 3½ per cent.	27,000 00
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Total Funded Debt January 1, 1903 .	\$1,477,000 00

The foregoing amount represents the net indebtedness of the City, the unfunded liabilities for the temporary loans, etc., being equalled 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, 1902, was duly submitted to the Collector.

The total amount of taxable property was \$55,558,300, and the rate established was \$16.40 on each \$1,000 valuation, as follows:—

Real Estate, valuation	\$49,697,500 00
Personal Estate, valuation	5,787,870 00
Non-resident Bank Shares	72,930 00
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Total valuation	\$55,558,300 00
At a rate of \$16.40 on each \$1,000 valuation	\$911,156 12
Polls, 18,022 at \$2	36,044 00
Street Watering	17,335 68
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Total amount of tax levy	\$964,535 80
Total number of persons assessed, resident and non-resident, 25,017.	

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

	Rates as- sessed on \$1,000 valu- ation.	Amount.
For current expenses within the control of the Board of Aldermen	\$5.56 *	\$308,875 00
Current expenses of departments over which the Board of Aldermen has no control	6.006	333,700 00
Debt requirements	2.412	134,000 00
State and County Taxes, Metropolitan Sewer and Park Assessments, National Bank Tax, and Overlay account	2.422	134,581 12
		<hr/>
For total amount on a valuation of \$55,558,300, at \$16.40		\$911,156 12
Poll taxes assessed, credited to State and County		36,044 00
Street Watering, in excess of amount appropriated		17,335 68
		<hr/>
Total amount of tax levy*		\$964,535 80

The appropriations to the various accounts were as follows:—

ACCOUNTS WITHIN THE CONTROL OF THE BOARD OF ALDERMEN.

Assessors	\$10,050 00
City Auditor	725 00
City Clerk	6,350 00
City Engineer	11,900 00
City Messenger	2,000 00
City Solicitor	2,300 00
City Treasurer	9,000 00
Clerk of Committees and Departments	4,000 00
Contingent Fund	3,800 00
Election Expenses:—	
City Clerk	700 00
Commissioner of Public Buildings	700 00
Pay of Election Officers	1,600 00
Registrars of Voters	1,500 00
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Amount carried forward	\$54,625 00

Amount brought forward	\$54,625 00
Electrical Department	7,500 00
Executive Department	3,800 00
Fire Department	39,800 00
Highways:—	
Construction	2,350 00
Removing Brown-Tail Moths	3,500 00
Inspection of Buildings	4,500 00
Military Aid	350 00
Police	33,000 00
Printing and Stationery	3,200 00
Public Buildings Maintenance:—	
City Hall	3,500 00
City Hall Annex	750 00
Fire Department	3,800 00
Health	500 00
Highways	400 00
Police	3,000 00
Public Grounds	50 00
Public Library	3,500 00
Schoolhouses	45,500 00
Sewer Department	50 00
Support of Poor	500 00
Water Department	100 00
Public Grounds	9,500 00
Sealer of Weights and Measures	1,100 00
Soldiers' Relief	16,000 00
Somerville Hospital	5,000 00
Street Lights	63,000 00

Total amount assessed on a valuation
of \$55,558,300, at \$5.56 \$308,875 00

ACCOUNTS OVER WHICH THE BOARD OF ALDERMEN HAS NO CONTROL.

Health Department	\$44,500 00
Public Library	14,500 00
School Contingent	21,000 00
School Teachers' Salaries	228,000 00
Support of Poor, City Home	4,400 00
Support of Poor, Miscellaneous	21,300 00

Total amount assessed on a valuation
of \$55,558,300, at \$6.006 \$333,700 00

ACCOUNTS PROVIDING FOR DEBT REQUIREMENTS.

Interest	\$45,500 00
Reduction of Funded Debt	88,500 00

Total amount assessed on a valuation
of \$55,558,300, at \$2.412 \$134,000 00

PROVIDING FOR STATE AND COUNTY TAXES, ETC.

State Tax	\$26,250 00	
Deduct one-half of poll taxes .	18,022 00	
	<hr/>	\$8,228 00
County Tax	\$54,994 82	
Deduct one-half of poll taxes .	18,022 00	
	<hr/>	36,972 82
Metropolitan Sewer Assessment . . .		45,160 25
Metropolitan Park Assessment . . .		33,916 19
National Bank Tax		1,196 05
Overlay and Abatement		9,107 81
		<hr/>
Total amount assessed on a valuation of \$55,558,300, at \$2.422		\$134,581 12

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

From the Income of the Water Works:—

Water Maintenance	\$27,789 27
Water Loan Interest	6,790 00
Water Works Extension	19,864 12
Water Works, Abatements on Water Charges	360 20
Interest on Sewer Loan Bonds	6,622 00
Sewers Maintenance	10,500 00
Fire Department	22,000 00
Reduction of Funded Debt, Sewer Loan Bonds	9,000 00
Reduction of Funded Debt, Water Loan Bonds	29,000 00
Reduction of Funded Debt, City Loan Bonds	13,187 31
Metropolitan Water Assessment	62,397 89
Health Department	7,500 00
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Total	\$215,010 79

From the Income from the State and County:—

Police, the amount received of the State for corporation and bank taxes	\$33,795 89
Police, the amount received of the Clerk of the Courts for fines, costs, etc.	5,155 00
Public Library, the amount received of the County for dog licenses	3,230 95
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Amount carried forward	\$42,181 84

Amount brought forward	\$42,181 84
Highways, Construction, from the receipts from the State for street railway tax	10,000 00
Highways, Maintenance, from street rail- way tax	36,406 28
Sidewalks, Maintenance, from street rail- way tax	6,000 00
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Total	\$94,588 12

Balance of Excess and Deficiency account for 1901 appro-
priated as follows:—

Public Buildings Maintenance, City Hall	
Annex Improvement	\$600 00
Highways, Maintenance	6,374 75
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	\$6,974 75
Total from Water Income, from State and County, and from Excess and Defi- ciency balance	\$316,573 66
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The aggregate appropriations from the tax levy and from
income were as follows:—

From tax levy	\$964,535 80
From income	316,573 66
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	\$1,281,109 46

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

*\$10,000.00 applied to payment of bonds; balance to sinking funds.

†Sinking fund applied.

YEAR.	VALUATION.	TAX LEVV.	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

Highways.

There is a universal demand for good roads in city and country. Massachusetts expends hundreds of thousands of dollars each year to improve the roads in rural communities. In this she leads, as in everything else progressive, and the Metropolitan District leads Massachusetts. The nearer one gets to Boston the greater the tax upon him. Somerville's expenditures, in proportion to her valuation, are in most regards the largest in the Metropolitan District.

Our streets are more used for outside travel than those of any other city of the size in the State. We are the highway for Boston traffic from West Malden and Stoneham to Arlington and Lexington, a reach of nearly ninety degrees, and including such places as Medford, Winchester, and Woburn. The Boston traffic from nearly one-third of the land area about the metropolis comes through Somerville. We are coming to be very thickly settled, and the day is not distant when a larger percentage of our area will be public streets than is the case with any other city in

the State. This fact, together with that of the use of our thoroughfares, indicates the unusual outlay required for the making of new streets and for the maintenance of highways. This drain upon our treasury is unavoidable, and must be kept in mind in considering the financial problem.

I would recommend that edgestones be laid in Washington street, and that the gutters on the southerly side be paved with block stone from the Boston line to Tufts street; that Pearl street, from Cross street to Mount Vernon street, be macadamized; that Mystic avenue be brought to grade sixteen; that Somerville avenue, from Medford street to the Cambridge line, be macadamized; that Medford street, from Broadway to Lowell street, be paved with block stone; and that Beacon street be put in thorough condition throughout its entire length.

More highway work has been done during the past year than for many years, especially in the constructing of new streets, and this has required an unusual amount of engineering services.

Sidewalks.

It is scarcely necessary to refer to the relation of good sidewalks to the comfort of our citizens. The present methods of making walks provide against any considerable expense in relaying, but most of the walks laid more than twenty years ago are in bad condition, and those laid much earlier are in many cases in almost a scandalous condition. During the past two years many of the worst of the old walks have been relaid, and this work must go on as fast as possible. The many new streets make too heavy a drain upon the appropriation to admit of anything like the amount of relaying which should be done. Citizens must be patient with their officials.

Watering Streets.

The highway conditions already referred to, together with the urgent demand that the City water practically all the streets, make this an increased expense. It is recognized, however, that few expenditures give so much satisfaction to the people as a whole as this. Whether riding or walking, whether indoors or out, unwatered streets cause much discomfort, and this is liable

to be as great during the few windy days in March and November as in July and August. It is gratifying, therefore, to know that the streets have been more generally watered, and for more days, than ever before.

Bridges and Subway.

The Boston & Maine Railroad corporation is building, at its own expense, a highly acceptable bridge on Sycamore street, and as soon as this is completed, will begin one on School street. These long-needed improvements will be greatly appreciated. Unfortunately, the difficulty of getting the iron work for the Sycamore-street bridge has caused long, but unavoidable delay, not only to the completion of this bridge, but also to the beginning of operations on the School-street bridge. It is with special satisfaction that announcement is made of the perfection of plans for the building of these bridges without expense to the City, as there has been much said regarding them for many years. It is confidently believed that when these are completed, the Boston & Maine Railroad will replace the bridge over Lowell street. This bridge was one of the first erected over the railroad in Somerville, and its abandonment was due to the assumption that "Polly Swamp" was not to be built up, but the street on both sides of the railroad is now very thickly settled.

Needed legislation has been secured, plans made, and contracts signed for the removal of the old Middlesex-avenue, or Wellington bridge, and the construction of a wide, substantial, and attractive modern bridge.

There must be provided at an early day a subway at Thorn-dike street, and it is hoped that arrangements for the building of it without serious expense to the City will be completed early this year.

Of the many long-time disagreements between the City and the Boston & Maine Railroad which remained unsettled two years ago, practically all have been adjusted, and if all goes well, this year will see most of the remaining ones settled.

Grade Crossings.

There is no question that the matter of grade crossings deserves the most careful consideration. The present numerous street crossings over railroads at grade are the cause of great

inconvenience, both to pedestrians and to persons using street cars and other vehicles. They are also a constant source of danger.

No one would rejoice more than the City Government in the elimination of these crossings, but we must not forget, as we arouse the public interest, that the financial condition of Somerville will make it practically impossible for her to bear her share of the expense at the present time. Much as the railroads may hesitate to enter upon so large an expenditure, they are in much better condition to bear the burden it would impose than we are.

Petitions are now pending in the Superior Court for the abolition of the five grade crossings on the Fitchburg division of the Boston & Maine Railroad and the crossing of the Boston & Albany at Somerville avenue. The next step would be to bring in the street railway companies as parties to the proceedings, and then to ask for the appointment of commissioners. Such changes in two heavy traffic railroad lines necessarily involve a separation of grades which would extend into the city of Cambridge. The two railroad companies must devise some plan for separating their railroad crossings, and the cities of Somerville and Cambridge must act jointly on the matter for the abolishing of their respective highway crossings in both cities. Some feasible plan must first be agreed upon by the parties vitally interested.

There are eleven grade crossings in the City, and the expense of abolishing them, especially those at Davis square and Somerville avenue, would be very heavy. It is roughly estimated that Somerville's share in the total expense would approach a quarter-million dollars. This fact must not be forgotten in considering the desirability of the abolition of these crossings.

Sanitary Conditions.

Once more we congratulate the City upon the perfection of our sanitation, as estimated by the health of our citizens. The absence of diseases due to imperfect sanitary conditions is noteworthy. The Morse school building gave warning of approaching danger, and the plumbing has been entirely renewed. Modern methods are so far beyond the old in this regard that private houses as well as public buildings must be watched with great care. Until the old plumbing is replaced by a scientific equipment, danger will always lurk in sanitary arrangements.

Fortunately, there is no longer occasion to refer to the drainage on Morrison avenue and Willow avenue, or to that in the Mystic river region.

Another storm drain outlet should be constructed on the other side of the City at the East Cambridge line, from Somerville avenue easterly, and under the Southern division of the Boston & Maine railroad into Miller's river.

At present a large section of this City bordering on the city of Cambridge has no outlet into any tide water or river in times of storms, except through some structure, for a long distance, in the city of Cambridge, eventually emptying into the Charles river. An immediate or quick outlet as proposed would be of great benefit to this section of our City, which is flooded badly in times of storms, and would save a large amount of private property, now damaged continually, as well as the annual cost paid for drainage rights through the city of Cambridge.

The Legislature has been petitioned previously on this matter, but, for some unknown reason, the State Board of Health made an unfavorable report, and the matter was dropped. With the subject properly presented by our representatives at the State House, the City ought to be able to obtain the benefits it desires by an act authorizing the construction of this outlet into Miller's river.

A beginning of the "separate system" of sewers has been made in the East Somerville district, commencing at the Charlestown line, with the outlet through Waverly street, and extending westerly in Washington street, Franklin street, and Palmer avenue. This line can be extended as desired, and when the intersecting streets and house drains are connected with this main sewer, flooding of cellars will be relieved in another section of the City. In the Poplar-street and Linwood-street district "separate system" sewer mains have been commenced, and will be extended each year as required, until this entire flooded section of the City has a new sewerage system.

There must be no delay in adjusting the relations with Cambridge and Arlington in connection with the Alewife brook. This has been deferred many years, but now something must be done for the protection of the health, as well as for the comfort, of our citizens in that section of the City. The fact that it is to be a perplexing problem is all the more reason why we should enter upon a solution at once. It will require an act of the Legislature to authorize this improvement.

The Craigie-bridge sewer presents another problem. It has unexpectedly cost the City \$1,600 this year to clean this sewer. Since the completion of the Metropolitan system, we use this sewer only for surface drainage. The old-time agreement required us to clean it about once in five years. We should seek release, if possible, from this obligation.

It is more apparent than ever that, eventually, the Sewer, Street, and Park Departments should be brought under one head.

Health of the City.

One year ago we congratulated ourselves upon our fortunate escape from the ravages of smallpox. By the utmost care the Board of Health had stamped out the early visitation, when, to our amazement, the dread disease was brought in from neighboring municipalities, and our hospital resources and the skill and energy and devotion of the Board of Health were taxed to their utmost to keep the disease within bounds. As it was, there were seventy cases, with four deaths, this being the smallest percentage of death in the Commonwealth. There were twenty-one patients at one time in the contagious hospital. This unwelcome visitor put upon us an expense, wholly unanticipated, of many thousand dollars. Much as we regret the experience with this disease, with its attendant discomfort and expense, we congratulate ourselves that we were prepared to handle it at the minimum of expense and danger.

Compulsory Vaccination.

Every effort has been made to persuade the people to be vaccinated. Free vaccination stations were maintained from July 27 until September 24, and four physicians were engaged for this work. The Board of Health voted on July 21 to proceed with compulsory vaccination, but nothing was done in this direction until November 24, when six physicians were appointed to carry on house-to-house vaccination.

Under the arrangement for compulsory vaccination, nearly four thousand persons have been vaccinated, in addition to some twenty thousand previously vaccinated after November, 1901. This work has been most thorough, and the Mayor has been pleased to render the Board all possible assistance.

At a time when affairs urgently required the counsel of one wise in the prevention and care of disease, the Board was most fortunate to number in its membership a physician of prominence, and under his direction, and profiting by the experience of our sister cities, the campaign of vaccination was carried on.

The expense of this work has been enormous, but the Mayor, as a layman, has been averse to opposing the judgment of one professionally trained for such work.

Bacteriological Laboratory.

The abolition of the bacteriological laboratory, early in the year, was, in my opinion, wholly uncalled for, and was severely criticised by the medical fraternity. Their urgent demands for its re-establishment have been recognized, however, and this branch of the Health Department is now being carried on under the charge of a physician of experience and ability.

The laboratory is especially needed at such a time as now, when the scarcity of fuel and high prices of necessities, with consequent suffering from cold and insufficient nourishment, increase the danger of contagious disease.

Street Lighting.

Once more I express regret that the cost of street lighting is excessive, and we hardly dare hope for an improvement for the coming year. It ought not to cost the City a dollar per year for every man, woman, and child for public lighting. We are not unmindful, however, that Somerville is one of the best-lighted cities in the Commonwealth. This condition is not only a great convenience and comfort, but it is a great protection against crime. Police duty is reduced to the minimum by brilliantly-lighted streets.

The number of arc lights in use having exceeded 475, the price according to the terms of the contract with the electric light company was reduced from \$110 to \$105 per year for each arc light.

Public Buildings.

Our public buildings are creditable to us as a city. At a slight expense, the City Hall has been greatly improved by the addition of a stately portico, with granolithic approach. The

newly-completed twelve-room Bennett schoolhouse in Ward 1 is a great improvement to that section of the City. The eight-room building on Morrison avenue will be ready for occupancy in September.

Armory.

For many years the City of Somerville has supported a military company which has always held a high rank in the militia of the Commonwealth. In 1861, when the great Lincoln called for troops to defend the country from the attacks of the slaveholding power of the South, our own Somerville Light Infantry immediately responded to the call, and took part in the first great battle of the Civil War. Captain George O. Brastow, Somerville's first Mayor, commanded that company, and at the expiration of the time of enlistment brought it back to Somerville, wearing the leaf of a major upon his shoulder.

From '61 to '65 Somerville recruited and sent to the front 1,485 men, many of whom gave their lives for the salvation of the Union. The name of Captain Willard C. Kinsley, one of the best soldiers that this or any other country ever produced, and whose memory has been perpetuated by Post 139 of the Grand Army of the Republic, together with hundreds of others, will be remembered to the last hours of recorded time to the honor and glory of our City.

In 1898, when William McKinley issued his summons to loyal America, Somerville again responded, and the old Somerville Light Infantry, then Company M of the Eighth Massachusetts regiment, with the same alacrity and loyalty as in the days of '61, instantly volunteered. In Southern camps, filled with the miasmatic germs of malaria and typhoid, and in a foreign land, under a tropical sun, upon the soil of the Pearl of the Antilles, they added still further lustre to the glorious record of Somerville's citizen soldiery.

With such a record as this to encourage the spirit of loyalty and patriotism, is it at all strange that the young men of Somerville should feel that they are deserving of better treatment than has been accorded to them in the past? Our armory accommodations have been inadequate from the very first. In olden times our military company was quartered in the hall of the engine house at the corner of Prospect and Washington streets. Later, when the Police Building was constructed, new armory ac-

accommodations were established. The continued growth of the City and the consequent enlargement of the Police Department placed the military company again in cramped quarters. The question of the armory has been kept alive all these years, and money has been appropriated from time to time for the purpose of building an armory, but, on account of other and more imperative demands, this money was diverted to other purposes.

In 1901 the spirit of loyalty and patriotism burst forth anew in the western section of our City. A new company was formed, which, having been accepted by the Governor and Council, gave to our City two companies, forming a battalion. The need of larger accommodations confronted us now more seriously than ever before, and steps were taken to ascertain the best possible means to obtain the long-looked-for armory.

By a state law, whenever a city contains two or more companies of militia in good standing, upon the acceptance of the Armory Act, so-called, by the City Government, and the designation of the sum of money that the City is willing to name for the construction of the armory and the purchase of the land, the State, through the Armory Commission, will construct suitable accommodations for the battalion. On February 14, the City Government accepted the act, and on May 9 named the sum of \$75,000 for land and building. The Armory Commission selected a lot of land on Highland avenue, running back to Hudson street, and upon the Highland-avenue front is now constructing an armory, which, at the end of thirty years, becomes the property of the City of Somerville.

Many erroneous ideas have obtained regarding this matter, and, that all may understand it clearly, I will show you just the conditions. The State furnishes the money, namely, \$75,000, by issuing bonds, the City to pay one-thirtieth of the amount each year. During these thirty years the State pays back to the City, in lieu of rent, \$800 per year, and pays all the expenses of every kind, name, and nature, so that the City is called upon to pay no do-it of maintenance, simply to pay the proportional part of the outstanding bonds for the limit of thirty years. At the expiration of thirty years, the State for all time continues to pay for the maintenance, and the property belongs absolutely to Somerville.

The building of the armory will aid us in directions other than for the comfort and convenience of the militia. The drill hall will be one hundred by seventy feet, of sufficient size to hold

a vast audience, and can be used by the City authorities upon any public occasion.

As Mayor, I gave my hearty endorsement to the scheme for an armory, and time, I believe, will show the wisdom of the venture.

It is my belief that in the not far-distant future such legislation will be enacted as will authorize the State to reimburse all cities and towns in which state armories have been erected, and that such structures will then become state armories in fact. Agitation looking toward this end has already begun.

Public Grounds and Boulevards.

One year ago I said: "Somerville is now admirably supplied with parks and playgrounds. No city in the country, probably, now has a population so universally well provided for in this respect." Since then our proud boast has been emphasized by the completion of Prospect Hill Park, which is one of the most beautifully located in the state. In the heart of the City, within a mile of nearly all our people, upon one of the highest points of land in the City, looking off upon beautiful and historic surroundings, and on the spot from which floated the first flag of the united colonies, this is a charming place for rest and recreation in the out-door season.

A small portion of the old historic hill has been left in front of Greenville street at its original height, on which it is proposed to erect a handsome granite observation tower, marking an old Revolutionary spot. The top of this proposed tower will be the highest point in Somerville, and from it the surrounding country for miles may be seen in every direction. Within this structure an historical room could be established, under the control of the City, where various relics of the Revolutionary times might be seen.

This park should be formally opened either on Patriots' Day or Bunker Hill Day. We cannot too often call our people together for the purpose of emphasizing the memorable deeds of the fathers.

With the occupation of the new Bennett School, the lot upon which the old building now stands, and for which the City has no other use, becomes available for a playground in Ward 1. This

will give the largest return in pleasure for the money invested of any public ground in the City.

The hope expressed last year that the harbor line in Mystic river might be changed to the advantage of Somerville has materialized. A visit to Washington by the Mayor for an interview with the officials of the War Department helped to complete arrangements whereby we received an important acquisition of territory which will add materially to our valuation. It is to be hoped that the Metropolitan Park Commission will unite with us in providing an attractive bathing beach at this point, which will afford much enjoyment and be generally beneficial to our citizens.

It is to be regretted that nothing has been accomplished in enlisting the co-operation of the Metropolitan Park Commission in the plan proposed one year ago, whereby that Commission shall accept Powder House Boulevard as a part of its great system, assuming control of it. There is no good reason why this should not be done, and it is to be hoped that arrangements therefor may be made at an early day.

Broadway Field has been used by our High School boys and many citizens for field athletics. It is by far the most satisfactory athletic field in the control of a city, and available without charge to any organization within the city, to be found in the Commonwealth. It is more serviceable than was anticipated even by the most enthusiastic champions of the project. In this public way we would acknowledge our indebtedness to Tufts College and its officials for the thoughtfulness which has made this field possible.

The lot of land on Glen and Oliver streets could be improved in shape as a playground by exchanging a portion of the City's lot on the Oliver-street front for the vacant land in the rear of the lot.

The Webster-avenue lot could also be enlarged and improved by taking the land through to Columbia street, which would make it a desirable playground. When so much pleasure and comfort can be furnished at practically no expense, it should be done without delay.

The Wilson Fountain.

Through the thoughtfulness of the late Joseph F. Wilson, the City has received \$2,500 for the erection of a fountain to his memory. From this fund an attractive rockery, with a fountain,

is to be placed on Central Hill, near the battery. This will add materially to the effect of this charming, historic spot, and will enhance the comfort of those who throng this recreation park in summer time.

Clarendon-Hill Ledge.

Unfortunately, nothing has been done to lessen the menace to life and limb which the Clarendon-hill ledge affords, or to reduce the unsightliness of the property. This is a dangerous pit-fall, with its eighty-foot excavation. I made definite recommendations one year ago, which I renew with emphasis. This is a needless cause of municipal humiliation. It is a wrong to every property owner in that region. It prevents the improvement of property, and thereby robs us of important additions to our taxes. It is doubtful if in any other city of the Metropolitan District there is an equally unsightly and dangerous place, near thoroughfares, and in what would otherwise be one of the most beautiful parts of the City. Attention was called, one year ago, to the fact that the City Engineer had prepared a plan which provides for the lowering of the precipice by blasting away stone at the top and filling in the excavation. He would construct Clarendon avenue so as to connect Broadway and Massachusetts avenue, and ultimately would convert the ledge property into a pleasure park.

Connecting Fells and Fens.

Somerville has waited patiently for an opportune time to press the scheme for connecting the Fells and the Fens. That time has arrived, and the City Government, our Senator and Representatives, and all public-spirited and influential citizens should exert themselves to the utmost to secure a boulevard across our City, from which traffic should be excluded. This would add little to our Metropolitan Park assessment, and would materially increase our taxable property by advancing the value of lands along the route. We are paying more than \$20,000 per year to the Metropolitan Park scheme, and, with the exception of a very small street area between Broadway and Wellington bridge, not one rod of Metropolitan park or boulevard is within our City, or is even remotely beneficial to us. Every citizen should join in a public effort to secure the passage by this Legislature of a bill providing for the boulevard to connect the Fells and the Fens.

Schools.

The schools continue to be our pride and our glory, as they are also our chief expense. No one can be more appreciative of our public school system than your Mayor, who is indebted to it for his education from the primary to the Latin school, and no one is more delighted with everything that enhances the usefulness of the schools, or intensifies the pride of the citizens therein. It will be a sad day when we lack that sentiment which glorifies this, the most important feature of American life. America's indebtedness to her public school system cannot be overestimated; no more can the contribution of Somerville's schools to her municipal glory. We must face the fact regarding our financial condition, and balance sentiment with necessities. As has been said in another connection, the increased taxes are not sufficient to provide for the extra school expense alone.

In 1900 the entire increase in the tax levy was \$7,335. The increase for school maintenance alone was \$15,488. In 1901 the entire increase in the tax levy was \$17,523; for school maintenance alone, \$20,393. The increase in valuation in 1897 was \$1,160,200; in 1898, \$508,700; in 1899, \$522,700; in 1900, \$1,315,800; in 1901, \$1,346,000. The law allows us to use only \$12 on a thousand for City maintenance. This made an increase of taxes available for City maintenance in 1897 of \$13,922; in 1898, \$6,104; in 1899, \$6,272; in 1900, \$15,789; in 1901, \$16,152. In those same years the increased cost of school maintenance was: In 1897, \$18,530; in 1898, \$10,190; in 1899, \$11,451; in 1900, \$15,488; in 1901, \$20,393. Taking the five years as a whole, our increase in valuation was \$4,853,400. At \$12 per thousand for maintenance, this made an increase in available taxes of \$58,241. In the same years the increase for maintenance of schools was \$76,052. The school expenses increased nearly one-third more than the taxes. In these five years we paid out \$263,151 for new schoolhouses. Notwithstanding these facts, we must provide schoolhouses for the children. Our population cannot increase at the rate of two thousand per year without an increase in school accommodations. In the last five years there was an increased enrollment of 2,117 pupils. This means an increase in our school accommodations of over fifty schoolrooms of forty pupils each, or nearly a twelve-room building per year.

Apparently, this average will be increased before it is reduced. Judging the future by the past, it will cost about \$55,000

per year to provide common schoolhouses for the elementary schools. Nor is this all. Our high school attendance increases faster than that of the other schools. In five years the high schools have increased twenty per cent. faster than the common schools. There are more than 1,100 students in the high schools, and they are not accommodated as they should be. We are not getting the most out of the fifty-eight dollars per student now expended upon these 1,100 pupils. It would be hard to overdraw the necessity for relief from the present undesirable conditions. It would be a great credit for this administration if it could have the honor of providing for this emergency, and only stern necessity tempts me to call attention to the absolute inability of the City to meet the expense of a new building without borrowing beyond the debt limit, which necessitates going to the Legislature for authority to issue bonds. We could provide for the actual necessities by the expenditure of \$60,000, but it is improbable that this would give satisfaction. It is likely that if anything is done, it will be necessary to raise something like \$200,000 on City bonds. If it shall be deemed desirable to do this, I will gladly co-operate in an attempt to secure legislative permission.

Following the suggestion contained in the communication from the School Board of February 25, 1902, addressed to the City Government, for the construction of a six-room building in the vicinity of Highland avenue and Central street, and the addition of six rooms to the Bingham School, land has been secured in connection with the Armory lot facing on Hudson street.

The selection of this lot was made after consultation with the President of the School Board and the Superintendent of Schools, and I recommend the construction thereon of a six-room schoolhouse.

I further recommend that immediate steps be taken to provide additional accommodations of six rooms to the Bingham School.

High School Semi-Centennial.

One of the most memorable occasions of the City's record during the past year was the semi-centennial anniversary of the establishment of the High School. More interest was manifested in this occasion than in any local celebration for years. Not only was this true of the large graduate and under-graduate body, but of the people in general.

The representation of all the classes of the school, from the gray-haired group, who were the first to enter in 1852, to the large body of under-graduates, was most noteworthy, and indicative of Somerville's splendid growth and educational influence.

It was my proud privilege, as Chief Executive of my native City, and a graduate of the school whose semi-centennial was then celebrated, to greet the hundreds whose high school learning had been attained here. In this connection, I may say that it is a source of what seems to me pardonable pride that to-day I am permitted to occupy as official quarters in City Hall the same room in which, more than thirty years ago, I sat as a pupil.

Public Library.

Beginning with the year, the public was granted free access to all the books of the Library intended for general circulation. Measured by the approval of the people, this has been one of the most successful movements in the whole history of the Library. It has added greatly to its efficiency as an educational institution, and has immensely increased the sane and wholesome pleasure of the community.

The Library now supplies all the Sunday Schools that desire the service with books up to the number of one hundred. Of course, no books of a sectarian bias or a theological partisanship are supplied to the Sunday Schools, as it is believed that all works of this nature should be furnished by the respective Sunday Schools themselves. But all the wholesome, inspiring, and high-motived books in the Library are placed at the disposal of the Sunday Schools, and it is expected that they will be powerful agencies for disseminating such literature.

There has been a greater circulation the past year than ever before, and a circulation of a higher class of reading matter.

The co-operation between the schools and the Library has been closer than ever, as a special school librarian has been appointed, whose exclusive time is given to school work.

The system of home delivery of books has been continued with good results.

The Library's aim for the future is to so duplicate its books of real value that no book of this nature may ever be called for and no copy be found upon the shelves. It will require time and money to accomplish this result; but it is a result that should be accomplished.

Police.

Unfortunately, the favorable reputation which the Police Department has borne for more than thirty years,—a record unparalleled in the history of Massachusetts,—was sadly and shockingly disturbed by the discovery that one of the trusted members of the force, who had served for nearly fourteen years, and whose duty it was to protect and preserve the peace and honor of the City, was caught in the very act of stealing from the money drawer of the Public Library. The discovery of this petty thieving led to an investigation, by which Officer Knight was proved to have been in the habit of robbing the stores along his route of all kinds of merchandise. The story is too long and too harrowing to be mentioned at length here. Suffice it to say that, after a thorough examination of the culprit by the Mayor himself, the officer was arrested and bound over by the Grand Jury for trial. A thorough and careful investigation, which is not yet completed, has resulted so far in attaching no suspicion upon any other member of the force, and it is hoped that further inquiry will cast no shadow upon any of them.

The one case of the recent numerous murderous assaults in the Metropolitan District in which Somerville has been particularly concerned,—the murder of Miss Agnes McPhee,—has been handled in a highly creditable way by the Chief of Police and his detectives, whose successful efforts have contributed much toward allaying the fear and anxiety which was abroad in the community, and whose evidence will doubtless be of very material value in the conviction of the assailant.

Sensational newspaper articles to the contrary notwithstanding, the Police Department in general, and the Chief of Police in particular, have the cordial endorsement of the Mayor and the approval of the people.

No department is perfect, however, and there is some room for improvement here.

This year one officer, who had received injuries and become worn out in the service, was retired upon a pension, under the law governing such cases. The pensioning or discharging of still more of the old officers should be given careful attention. The efficiency of the Department could be enhanced by such action and filling the places with young men.

I recommend the appointment of one or more sergeants, so that one may be in command of each division of the night patrol.

Fire Department.

Once more we are privileged to congratulate the City upon the efficiency of its Fire Department. Every alarm has been responded to so promptly, and every fire handled so skillfully, there has been no serious loss during the year. The force has been steadily improved in its personnel. There are now none but citizens of Somerville in the Department.

I regret that there is a disposition to undervalue the services of the call force. If people would consider the importance of the work done by these men, they would hesitate before doing or saying anything to belittle their services.

The disbandment of the call force would mean an increase of permanent men, and necessarily an increase of expense.

The Mayor felt called upon to veto a bill that provided that fines should go to a pension fund. There is no occasion to argue the merits of the case here, but it was a departure so radical that it did not seem wise to enter upon a pension scheme by so indirect a method.

A new fire station is required near Union square. In the immediate vicinity of the present station, at the corner of Washington and Prospect streets, there are two available lots of land owned by the City, in addition to the one upon which the old building stands.

Water Department.

In many regards the Water Department is the most satisfactory feature of the City's life. The supply is abundant, the quality good, and the Department is maintained upon a basis that virtually yields an income. The waste of water is so great that it is possible that meters will ultimately be put in. There is water for all uses, but there is none for abuses. There is also need for equalization of rates. Absolute equality and justice are impossible, however, until meters are used. Our share of the Metropolitan water system has cost, or will have cost when present plans have matured, \$1,600,000, which is more than our entire City debt. Water is free, but the storing and delivery of it makes it an expensive luxury.

The Metropolitan water works system, to the cost of which we are next to the largest contributor, is progressing rapidly in its construction, and will be practically completed in about two years more.

The Metropolitan Water and Sewerage Board, in August, 1901, acting under the provisions of the Metropolitan Water Act of 1895, adopted regulations for the use of hand hose for lawn sprinkling, and in March last voted to establish \$4 as the minimum rate for the use of hand hose. Efforts have since been made to have the State Board permit an indefinite continuance of the \$3 rate for this City, but they have proved unavailing. On November 28, 1902, the Board voted and served notice on the Water Commissioner, "That, until otherwise provided, the minimum rate which shall be approved for the use of hand hose for lawn sprinkling shall be fixed at \$4 per annum, such use to be in conformity with the regulations of the Board which were made August 2, 1901." It becomes necessary, therefore, to increase our hose rate to \$4, in compliance with the requirements of said Board.

Perhaps the most important work was the completion of the connecting link, in Holland street, of the Clarendon Hill and Central Hill high-service districts. The entire high service of the City is now in one system, and is benefited by two connections with the Metropolitan high-service main.

Approximately one mile of the old pipe still remains in use in various streets, and I recommend the removal of the balance of the cement-lined mains and the substitution therefor of iron pipe, thus making our water distribution system unexcelled by any.

Poor Department.

Somerville will always do well by her poor, whatever the financial exigencies. Whatever may be the cause of their misfortune, whenever our citizens are in need of public care they receive it. This season the demands upon our sympathy and appropriations have been greater than ever before. The coal strike and its attendant horrors have affected us in common with all the eastern section of the United States. Never before has there been such a public calamity in America caused by an industrial disagreement. Aside from the local conditions in the strike district, our own City has felt the strain, until in nearly every home there has been anxiety as to the possibility of securing fuel at any price. This has meant great hardship for the poor, and where individuals could not get half a ton of coal, it was no

easy matter for the City to provide for her poor, as well as for all of her public buildings.

The wisdom of the original purchase of the City Home and farm, together with the extension of the acreage for tillage, is continually apparent, both from the excellent accommodations for our poor and from the increasing revenue derived from farm produce.

Somerville Hospital.

The appropriation which the City annually makes for the Somerville Hospital provides for the double service of assisting in the support of this most worthy institution and of giving medical and surgical aid to the poor who require it.

I recommend that the sum of \$5,000 be appropriated, to be applied as heretofore.

The Brown-Tail Moth Pest.

The brown-tail moth pest, which one year ago was of such magnitude as to cause me to designate it as "the annoyance of the year," was by a systematic campaign well-nigh exterminated. The efforts now being made will, we trust, result in our complete riddance from the pest, and the force of men employed and the consequent expense will be much smaller than last season.

History of Somerville.

In pursuance of an order adopted by the Board of Aldermen in the month of November, a committee of twenty-four citizens was appointed to compile a history of Somerville.

The committee is composed of well-known and public-spirited citizens, thoroughly conversant with Somerville's affairs, and amply qualified to undertake the work of compiling and editing such a history.

Various lines of work are being prosecuted in the City Clerk's office for the purpose of improving the condition of the earlier records and the indexes thereto. Those portions of the records of the Town and the Selectmen which relate to the Civil War are also being copied, and a large amount of information on the same subject has been obtained in the office of the Adjutant General of

the Commonwealth, to serve as a part of the history of Somerville during that period.

There is no sufficiently accurate and comprehensive history extant, and the wealth of material, both of historic interest and modern progress, should be carefully collected and preserved in tangible form.

Miscellaneous Department Work.

It will be noticed that I have refrained from going into the details of the work of the various departments in this address to so great an extent as in the past two years, inasmuch as detailed statements of the work will be found in the annual reports of the departments and officers.

Suffice it to say that the work of the several departments of which no specific mention has been made, is more or less of a routine nature, and is marked by a continued high degree of excellence.

In Memoriam.

During the year the City has been called upon to mourn the deaths of several men who have been prominent in her councils:—

Honorable Austin Belknap, a leader in both town and city affairs, and a former Chief Executive of the City;

Martin W. Carr, a successful Somerville manufacturer, a former member of both branches of the City Government, and an earnest and long-time worker for the advancement of the schools; and

William H. Brine, a leading Boston merchant, identified for many years with the management of the Public Library.

The community has suffered distinct loss by the deaths of Elbridge Streeter Brooks, litterateur, whose name is most favorably known by the youth throughout the land, and Mrs. Martha Perry Lowe, also prominent in literature, and in philanthropy and woman's advancement.

Four times since the beginning of the new year has the shadow of death been cast upon us. It becomes my sorrowful duty to advise you of the death of former City Treasurer John F. Cole, which occurred on New Year's day. In addition to the

great debt which the City owes to his memory as Treasurer, it also owes him a debt of gratitude for his services as a member of the Board of Aldermen and the Water Board.

With great natural abilities, broadened by exceptional financial training in the commercial world in early life, he came to the City Treasurership rarely equipped for the management of large municipal interests. A man of sterling integrity, steadfastness of purpose, and great personal worth, he will ever hold an honored place in our hearts.

On Friday last we were called upon to mourn the death of one of our oldest citizens, Rev. Silas S. Cummings. During the War of the Rebellion he served as chaplain and with the Christian Commission, and he was one of the most highly esteemed members of the Grand Army. His many years' service in the interest of orphaned children endeared him to countless thousands of people.

Again, on yesterday morning, the citizens were saddened by the death of Dr. John F. Couch, a man of very charitable disposition, whose kind acts to the poor of both Somerville and Cambridge were unnumbered. For two years he was City Physician, and a member of our Board of Health, being recognized as one of the most valued men who has served us in such a capacity.

And still again has death been in our midst, bearing away another of our distinguished citizens. Elijah C. Clark, the news of whose death has reached me since the beginning of these ceremonies, has passed away after a most painful illness. He was one of my closest friends. His service in the Civil War in the First Maine Heavy Artillery was conspicuous. But it was as an associate in the City Government and in the State Legislature that I realized so fully his true worth. His loss to Somerville is indeed great.

Gentlemen of the Board of Aldermen :—

I would exhort extreme deliberation in regard to the legislation of important matters. "Haste makes waste," and "Eternal vigilance" are two watchwords by which we may profitably be guided, especially when considering matters involving large expenditures of money. We must be confident at the outset of any new enterprise, that we are to receive in value, dollar for dollar, a full return for all money appropriated and expended.

Therefore, when orders are introduced in your Board, and there is the slightest misunderstanding regarding the true mean-

ing and tenor of the same, any member of the Board will be justified, in fact it will be his imperative duty, to ask that further consideration of the subject matter in hand be postponed, as provided by the Charter, until a full and clear understanding may be obtained. There is nothing gained by hasty legislation. Be sure you are right, then go ahead.

Our City.

The source of Somerville's fair fame needs not to be long sought for. It rests, in general, upon the high tone of her citizenship. In particular, it is traceable to the integrity, the ability, and the strength of purpose of those who have been chosen to serve her in elective and appointive capacities. The men who have preceded the present Executive have been, without exception, chosen from the foremost ranks of our citizens, and have proved themselves altogether worthy of the confidence reposed in their high qualities of character and ability. The City Council has generally been a school for these men, and they have had as colleagues many men of equal ability and fitness with themselves. The various executive boards of the City have always been constituted of men of especial fitness and talent. Many of them have devoted themselves for years, out of mere love for their work, to its advancement. Nor would I overlook the officials and clerks of the City—the men and women who perform the work that keeps the municipal wheels of progress in motion, for I do not believe that any city of the Commonwealth has a more conscientious and able corps of workers than has Somerville.

“Comparisons are odious,” and so I forbear to mention by name any of those who have served us in the past, or are doing so in the present, but I wish simply, in a collective way, to pay this tribute of “honor to whom honor is due.”

We have here a city whose every rod of soil literally teems with historic interest. Hardly a Massachusetts town, save Plymouth and Boston, and, therefore, hardly a town in the country, is more worthy of notice for its Colonial interest than is Somerville, as the latter years have known these four square miles of old Charlestown. Here was the magnificent residence and extensive “Ten Hills Farm” of Colonial Governor Winthrop.

Here is Prospect Hill, near the very brow of which we are at this moment assembled, whose summit is now crowned by a park

of rare beauty, which is a fitting mark for this justly famous site—the scene of the raising of the first American flag, and also, later in the Revolution, the camping ground of Burgoyne's British soldiery. We are now, at this late day, fulfilling a prediction, made some fifty years after the Revolution by a visitor, who observed that "the extensive view from this hill, the walk on the ancient ramparts, and the site of the various stations occupied by the American army, will render this hill at a future period a favorite resort." Here on our Central Hill was the French redoubt of our allies. On Winter Hill the Hessians once were encamped.

No mention of historic Somerville is complete, if the Old Powder House be not included, to which no less an authority than Samuel Adams Drake pays this tribute:—

"By far the most remarkable object to be seen in the vicinity of Boston is the Old Powder House, which stands on a little eminence hard by the road leading from Winter Hill to Arlington—formerly the old stage road to Keene, N. H. . . . It is the only really antique ruin we can boast of in Massachusetts; and for solitary picturesqueness, in all New England, only its fellow, the Old Mill at Newport, can rival it." . . . "There is not the smallest doubt," says he, "that Washington has often dismounted" here; "or that Knox came here"; or that "Sullivan, in whose command it was, watched over it with anxious care."

Coming down to a later period, Somerville possesses, in her little Somerville-avenue cemetery, what is said to be the first stone ever erected to the memory of Union soldiers—the little marble shaft reared during the War of the Rebellion in remembrance of the boys of the Somerville Light Infantry. Proud, indeed, am I to bear the same family name as that of one which is here chiseled, sad though it is to recall this brother's death in a rebel prison pen. The sons of Somerville were true in this crisis to the traditions of the fathers.

Somerville is a city of convenient and beautiful location.

"A city set upon the hills,
 For all to see, like ancient Rome;
 The one our classic memory thrills,
 The other speaks to us of home.

"The one is old, and sad, and gray,
 The other is so bright and young,
 It seems as if 'twas in a day
 Our city into being sprung.

“It stretches north, and east, and west,—
The world is lying at our feet ;
Each one believes his view the best,
And makes the harmony complete.”

Its parks—Broadway, which superseded a most unsightly locality of cheap tenements and huts ; Nathan Tufts, or Powder House, so historic, and so beautiful in both the natural and the artificial that City Forester Doogue, of Boston, has awarded it special praise ; Central Hill, historic, also, and completing, with the public buildings, a picture that pleases every eye ; Lincoln, which affords a restful breathing ground for a somewhat congested district ; and Prospect Hill, which, as do some of the others, will attract by its beauty and history alike ; all these acres of “necessary luxuries,” if I may be pardoned the ambiguity, together with that winding way, eighty feet in width, which is destined to become the most beautiful of streets—Powder House Boulevard—and which, when connected with the Mystic Valley Parkway at West Medford, will furnish a “sandpapered” drive from West Somerville to Winchester—all these beauty spots, I say, place Somerville in almost an enviable position among the suburban cities, and prove that she is contributing her full share toward supplementing the truly magnificent work of the Metropolitan Park Commission.

In the matter of growth, Somerville's career has been remarkable, if not phenomenal. In the whole sixty years of its existence, the gain in population has averaged 1,000 per year. In 1842, the year of the Town's incorporation, there were not many more than 1,000 souls within its borders ; the census of 1900 shows that we were then over 61,000 in number. From a farming town, whose fertile acres were dotted here and there with houses, and whose rangeways were traversed as much by cattle and sheep as by people, we have grown to be a compact community of 65,000 people, 11,000 dwellings, and ninety miles of streets. With an annual increase of 300 dwellings, it is safe to say our population is gaining at the rate of about 2,000 per year. Our expansion in the last decade has more resembled that of a “boom” town of the Western frontier than that of staid New England.

While Somerville, like other suburbs, is often regarded as a “bedroom for Boston,” there are many who both labor and sleep

within her confines. They are the thousands who are witnesses that Somerville is not to be lightly regarded as a manufacturing city.

Those higher attributes, morality and religion, certainly have here been sown in good ground. The comparatively small police force necessary to keep order testifies to this; the thirty and more churches tell of it; our "banner" no-license record is alike a cause and a result of this fact; and our numerous and altogether worthy charitable enterprises are silent, yet moving, undercurrents of it.

I always somehow feel a thrill of pride and satisfaction in rehearsing upon every proper occasion the praises of Somerville. Not that our City needs, for a moment, anyone to stand sponsor for her, for, viewed from any point, Somerville will bear comparison with almost any city, and when considered from all sides, she, in my judgment, fairly towers above nearly all others.

Altogether, I know that, upon reflection, you will agree with me that Somerville stands "second to none," and that we may, in simple justice, devoid alike of false pride and false modesty, proclaim her virtues.

"Surely in toil or fray,
 * * * * *
 Comfort it is to say,
 'Of no mean city am I.'"

REPORT OF THE CITY TREASURER AND COLLECTOR OF TAXES.

Treasurer's Office, January 15, 1903.

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

Gentlemen,—The undersigned presents herewith the thirty-first 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, 1902.

Public Property.

The value of the public property of the city December 31, 1901, was \$3,509,116.82. The property acquired during the year was as follows:—

City Hall Annex Improvement	\$655 02
City Hall Portico	1,332 32
Morse School, Sanitary Improvement	1,859 00
Schoolhouse in Ward 1 (Clark Bennett School)	35,604 59
Schoolhouse in Ward 7 (Morrison Avenue School)	7,801 45
Land on Prospect Hill	17,288 70
Prospect Hill Park	18,587 16
Water Works Extension	\$16,139 92
Listed 1901	6,000 00
	10,139 92

Total amount of property acquired during the year \$93,268 16
 Making the value of the public property December 31, 1902, as per Table A, \$3,602,384.98.

Funded Debt.

The funded debt December 31, 1901, as per Table B of the last annual report, was \$1,461,000.

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

Public Buildings Construction:—	
Schoolhouse in Ward One	\$8,000 00
Schoolhouse in Ward Seven	34,000 00
Sewers Construction	25,000 00
Public Grounds:—	
Glen Street Addition	800 00
Athletic Field in Ward Seven	1,000 00
Amount carried forward	\$68,800 00

Amount brought forward	\$68,800 00
Land on Prospect Hill for Park Purposes	13,500 00
Prospect Hill Park	8,000 00
Sidewalks Construction	16,000 00
Highways:—	
Paved Gutters and Crossings	19,000 00
Construction Munroe Street and Stone Avenue	5,500 00
Electrical Department, Steam Fire Alarm Whistle	200 00
Renewal of Funded Debt	17,000 00
Commonwealth of Massachusetts, Metropolitan Park Assessment	27,000 00
	<hr/>
Total amount of appropriations on Funded Debt account	\$175,000 00

To provide for the above-mentioned appropriations, the following bonds were issued, viz.:—

City Loan Bonds Nos. 2894 to 2903, payable 1903, interest 3½ per cent.	\$10,000 00
City Loan Bonds Nos. 2904 to 2913, payable 1904, interest 3½ per cent.	10,000 00
City Loan Bonds Nos. 2914 to 2923, payable 1905, interest 3½ per cent.	10,000 00
City Loan Bonds Nos. 2924 to 2933, payable 1906, interest 3½ per cent.	10,000 00
City Loan Bonds Nos. 2934 to 2942, payable 1907, interest 3½ per cent.	9,000 00
City Loan Bonds Nos. 2943 to 2951, payable 1908, interest 3 ½ per cent.	9,000 00
City Loan Bonds Nos. 2952 to 2960, payable 1909, interest 3½ per cent.	9,000 00
City Loan Bonds Nos. 2961 to 2969, payable 1910, interest 3½ per cent.	9,000 00
City Loan Bonds Nos. 2970 to 2978, payable 1911, interest 3½ per cent.	9,000 00
City Loan Bonds Nos. 2979 to 2987, payable 1912, interest 3½ per cent.	9,000 00
City Loan Bonds Nos. 2988 to 2990, payable 1913, interest 3½ per cent.	3,000 00
City Loan Bonds Nos. 2991 to 2993, payable 1914, interest 3½ per cent.	3,000 00
City Loan Bonds Nos. 2994 to 2996, payable 1915, interest 3½ per cent.	3,000 00
City Loan Bonds Nos. 2997 to 2999, payable 1916, interest 3½ per cent.	3,000 00
City Loan Bonds Nos. 3000 to 3002, payable 1917, interest 3½ per cent.	3,000 00
City Loan Bonds Nos. 3003 to 3005, payable 1918, interest 3½ per cent.	3,000 00
City Loan Bonds, Nos. 3006 to 3008, payable 1919, interest 3½ per cent.	3,000 00
City Loan Bonds Nos. 3009 to 3011, payable 1920, interest 3½ per cent.	3,000 00
City Loan Bonds Nos. 3012 to 3014, payable 1921, interest 3½ per cent.	3,000 00
	<hr/>
Amount carried forward	\$121,000 00

Amount brought forward	\$121,000 00
City Loan Bonds Nos. 3015 to 3016, payable 1922, interest 3½ per cent.	2,000 00
Sewer Loan Bonds Nos. 254 to 278, payable 1903 to 1927, \$1,000 annually, interest 3½ per cent.	25,000 00
Metropolitan Park Assessment Loan Bonds Nos. 1 to 27, payable 1903 to 1929, \$1,000 annually, interest 3½ per cent.	27,000 00
	<hr/>
Total amount of bonds issued in 1902	\$175,000 00

The following bonds became due and were paid during the year, viz.:—

City Loan Bonds Nos. 1647 to 1655, interest 4 per cent.	\$9,000 00
City Loan Bonds Nos. 1846 to 1863, interest 4 per cent.	18,000 00
City Loan Bonds Nos. 2107 to 2115, interest 4 per cent.	9,000 00
City Loan Bonds Nos. 2267 to 2275, interest 4 per cent.	9,000 00
City Loan Bonds Nos. 2397 to 2406, interest 4 per cent.	10,000 00
City Loan Bonds Nos. 2532 to 2539, interest 4 per cent.	8,000 00
City Loan Bonds Nos. 2638 to 2649, interest 3½ per cent.	12,000 00
City Loan Bonds Nos. 2778 to 2785, interest 3½ per cent.	8,000 00
City Loan Bonds Nos. 1212 to 1214, interest 4 per cent.	3,000 00
City Loan Bonds Nos. 1517 to 1546, interest 4½ per cent.	30,000 00
Sewer Loan Bond No. 61, interest 4 per cent.	1,000 00
Sewer Loan Bond No. 178, interest 4 per cent.	1,000 00
Sewer Loan Bond No. 202, interest 4 per cent.	1,000 00
Sewer Loan Bond No. 224, interest 3½ per cent.	1,000 00
Sewer Loan Bond No. 44, interest 4½ per cent.	1,000.00
Sewer Loan Bonds Nos. 98 to 101, interest 4 per cent.	4,000 00
Paving Loan Bonds Nos. 46 to 50, interest 4 per cent.	5,000 00
Water Loan Bonds Nos. 220 to 226, interest 4 per cent.	7,000 00
Water Loan Bonds Nos. 229 to 238, interest 4 per cent.	10,000 00
Water Loan Bonds Nos. 347 to 348, interest 4 per cent.	2,000 00
Water Loan Bonds Nos. 420 to 421, interest 4 per cent.	2,000 00
Water Loan Bonds Nos. 469 to 475, interest 4 per cent.	7,000 00
Water Loan Bond No. b453, interest 4 per cent.	1,000 00
	<hr/>
Total amount of bonds paid during the year	\$159,000 00

Leaving the net funded debt December 31, 1902, as per Table B, \$1,477,000, classified as follows:—

City Loan Bonds bearing interest at 3½ per cent.	\$359,000 00
City Loan Bonds bearing interest at 4 per cent.	672,000 00
City Loan Bonds bearing interest at 4½ per cent.	35,000 00
City Loan Sewer Bonds bearing interest at 3½ per cent.	54,000 00
City Loan Sewer Bonds bearing interest at 4 per cent.	125,000 00
City Loan Sewer Bonds bearing interest at 4½ per cent.	9,000 00
City Loan Paving Bonds bearing interest at 4 per cent.	50,000 00
Water Loan Bonds bearing interest at 4 per cent.	136,000 00
Water Loan Bonds bearing interest at 5½ per cent.	10,000 00
Metropolitan Park Assessment Loan Bonds bearing interest at 3½ per cent.	27,000 00
	<hr/>
Amount carried forward	\$1,477,000 00

Amount brought forward		\$1,477,000 00
Total Funded Debt, City Loan	\$1,066,000 00	
Total Funded Debt, Water Loan	146,000 00	
Total Funded Debt, Paving Loan (outside legal limit)	50,000 00	
Total Funded Debt, Sewer Loan (outside legal limit)	188,000 00	
Total Funded Debt, Metropolitan Park Assessment Loan (outside legal limit)	27,000 00	
	<hr/>	\$1,477,000 00

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 \$55,558,300, and the rate of taxation was \$16.40 on each \$1,000 valuation, as follows:—

Real Estate, valuation	\$49,697,500 00	
Personal Estate, valuation	5,860,800 00	
	<hr/>	
Total valuation	\$55,558,300 00	
At a rate of \$16.40 on \$1,000 valuation		\$911,156 12
Polls, 18,022 at \$2.00		36,044 00
Street Watering		17,335 68
		<hr/>
Total amount of tax levy		\$964,535 80
Borrowed on Funded Debt account to provide for the cost of public improvements and renewals of debt		175,000 00
Water Works Income		215,010 79
National Bank and Corporation Taxes, applied to Police		33,795 89
Court fees, fines, etc., applied to Police		5,155 00
County of Middlesex, dog licenses, applied to Public Library		3,230 95
Excess and Deficiency account, applied to Public Build- ings Construction, City Hall Annex Improvement		600 00
Excess and Deficiency account, applied to Highways Maintenance		6,374 75
Street Railway Tax for the year 1902, applied to High- ways Construction		10,000 00
Street Railway Tax for the year 1902, applied to High- ways Maintenance		36,406 28
Street Railway Tax for the year 1902, applied to Side- walks Maintenance		6,000 00
		<hr/>
Total amount of resources		\$1,456,109 46

Appropriations from Funded Debt and from Income.

Balances overdrawn :—

Highways, Boston-avenue Bridge	\$706 86	
Highways, Paved Gutters and Crossings	9,382 27	
Sidewalks Construction	1,525 09	
	<hr/>	\$11,614 22
Amount carried forward		\$11,614 22

Amount brought forward \$11,614 22

Balances unused and in process :—

Electrical Department, Steam Fire Alarm Whistle	\$500 00	
Highways, Middlesex-avenue Bridge	109 63	
Highways, Paving Washington Street	212 46	
Joseph F. Wilson Memorial	2,375 00	
Prospect Hill Park	1 34	
Public Buildings Construction, Schoolhouse in Ward One	290 93	
Public Buildings Construction, Schoolhouse in Ward Seven	24,515 05	
Public Grounds, Glen Street Addition	800 00	
Public Grounds, Land on Prospect Hill	131 60	
Sewers Construction	4,288 29	
		33,224 30

Balance of appropriations from Funded Debt and from Income, \$21,610 08

Cash.

Balance on hand January 1, 1902	\$24,333 60	
Total cash receipts for the year 1902	2,149,768 00	
		\$2,174,101 60
Total cash disbursements for the year 1902	2,146,923 98	
		\$27,177 62
Balance in the treasury December 31, 1902		\$27,177 62
Deposits in banks	\$23,523 30	
Cash on hand	3,654 33	
		\$27,177 63

Assets and Liabilities.

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

Commonwealth of Massachusetts, balance due	\$14,303 00	
Taxes uncollected	311,863 26	
Highway Betterment Assessments uncollected	5,078 73	
Sewer Assessments uncollected	5,061 79	
Sidewalk Assessments uncollected	6,294 02	
Metered Water Charges uncollected	14,189 92	
Real Estate Liens	2,140 00	
Cash in treasury	27,177 62	
		\$386,108 34

Unfunded liabilities:---

Coupons unpaid	\$25,942 50	
Overplus on Tax Sales	118 13	
Isaac Pitman Fund, Income, Art	16 56	
Isaac Pitman Fund, Income, Poetry	48 63	
Sundry Persons	474 21	
Temporary Loans	340,000 00	
		366,600 03

Excess of available assets over unfunded liabilities . . . \$19,508 31

Balance Sheet.

DEBIT.	
Public Property	\$3,602,384 98
Excess of available assets	19,508 31
Deficit of appropriations from tax levy	2,101 77
	\$3,623,995 06
CREDIT.	
Excess of appropriations from Funded Debt	\$21,610 08
Present Funded Debt	1,477,000 00
	\$1,498,610 08
Property and Debt Balance or Municipal Capital	2,125,384 98
	\$3,623,995 06

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

Respectfully submitted,

JAMES F. BEARD,
Treasurer and Collector of Taxes.

APPENDIX TO TREASURER AND COLLECTOR'S REPORT.

TABLE A.—PUBLIC PROPERTY DECEMBER 31, 1902.

Central Hill land (13 acres, 5,032 feet)	.	.	\$270,000 00
City Hall	.	.	\$35,332 32
Furniture	.	.	10,000 00
			<hr/>
			45,332 32
Public Library building	.	.	42,000 00
Public Library	.	.	25,000 00
			<hr/>
			67,000 00
City Hall Annex	.	.	20,655 02
Albion A. Perry Schoolhouse, Washington street, land (46,080 feet) and building	.	.	36,000 00
Furniture	.	.	1,000 00
Books	.	.	530 00
			<hr/>
			37,530 00
Bennett Schoolhouse, land (20,000 feet) and building	.	.	9,500 00
Bingham Schoolhouse, land (21,424 feet) and building	.	.	30,800 00
Furniture	.	.	1,400 00
Books	.	.	1,100 00
			<hr/>
			33,300 00
Burns Schoolhouse, land (16,080 feet) and building	.	.	33,300 00
Furniture	.	.	1,300 00
Books	.	.	1,000 00
			<hr/>
			35,600 00
Charles G. Pope Schoolhouse, land (27,236 feet) and building	.	.	78,600 00
Furniture	.	.	2,250 00
Books	.	.	2,600 00
			<hr/>
			83,450 00
Cummings Schoolhouse, land (11,300 feet) and building	.	.	11,200 00
Furniture	.	.	650 00
Books	.	.	500 00
			<hr/>
			12,350 00
Davis Schoolhouse, land (30,155 feet) and building	.	.	22,000 00
Furniture	.	.	650 00
Books	.	.	400 00
			<hr/>
			23,050 00
Edgerly Schoolhouse, land (24,000 feet) and building	.	.	42,000 00
Furniture	.	.	2,250 00
Books	.	.	2,800 00
			<hr/>
			47,050 00
Amount carried forward	.	.	<hr/>
			\$684,817 34

Amount brought forward		\$684,817 34
English High Schoolhouse	134,000 00	
Furniture	3,600 00	
Philosophical and manual training apparatus	8,200 00	
Books	12,000 00	
	<hr/>	157,800 00
Forster Schoolhouse and Annex, land (30,632 feet) and buildings	82,000 00	
Furniture	3,350 00	
Books	4,100 00	
	<hr/>	89,450 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 W. Durell Schoolhouse, land (13,883 feet) and building	19,000 00	
Furniture	650 00	
Books	500 00	
	<hr/>	20,150 00
Highland Schoolhouse, land (23,260 feet) and building	58,000 00	
Furniture	2,250 00	
Books	2,800 00	
	<hr/>	63,050 00
Jacob T. Glines Schoolhouse, land (28,800 feet) and building	78,200 00	
Furniture	2,600 00	
Books	2,100 00	
	<hr/>	82,900 00
Latin High Schoolhouse	60,000 00	
Furniture	2,000 00	
Philosophical apparatus	500 00	
Books	3,300 00	
	<hr/>	65,800 00
Lincoln Schoolhouse, land (17,662 feet) and building	17,500 00	
Furniture	650 00	
Books	500 00	
	<hr/>	18,650 00
Luther V. Bell Schoolhouse, land (22,262 feet) and building	43,000 00	
Furniture	2,250 00	
Books	2,400 00	
	<hr/>	47,650 00
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
Morse Schoolhouse, land (29,000 feet) and building	45,859 00	
Furniture	2,250 00	
Books	2,800 00	
	<hr/>	50,909 00
Amount carried forward		\$1,371,181 98

APPENDIX TO TREASURER AND COLLECTOR'S REPORT. 47

Amount brought forward		\$1,371,181 98	
Morrison-avenue Schoolhouse, land (21,650 feet) and building			7,801 45
O. S. Knapp Schoolhouse, land (24,517 feet) and building	48,000 00		
Furniture	2,250 00		
Books	3,000 00		
	<hr/>		53,250 00
Prescott Schoolhouse, land (22,000 feet) and building	64,000 00		
Furniture	2,250 00		
Books	2,700 00		
	<hr/>		68,950 00
Prospect-hill Schoolhouse, land (23,733 feet) and building	15,000 00		
Furniture	1,000 00		
Books	475 00		
	<hr/>		16,475 00
Benjamin G. Brown Schoolhouse, land (20,093 feet) and building	38,400 00		
Furniture	1,290 16		
Books	700 00		
	<hr/>		40,390 16
Sanford Hanscom Schoolhouse, land (12,756 feet) and building	48,500 00		
Furniture	1,000 00		
Books	500 00		
	<hr/>		50,000 00
Clark W. Bennett Schoolhouse, land (12,000 feet) and building	56,765 77		
Furniture	650 00		
Books	300 00		
	<hr/>		57,715 77
William H. Hodgkins Schoolhouse, land (35,034 feet) and building	69,300 00		
Furniture	2,250 00		
Books	2,300 00		
	<hr/>		73,850 00
City Stables, dwelling houses and school-house and 462,623 feet of land	84,000 00		
Equipments for highway repairs	21,690 00		
Watering carts and sheds	5,000 00		
	<hr/>		110,690 00
No. 1 Fire Station, land (8,937 feet) and building	33,200 00		
Engine No. 2 and apparatus	4,000 00		
Hose wagon No. 1 and apparatus	1,500 00		
Furniture	400 00		
	<hr/>		39,100 00
No. 2 Fire Station, land (5,500 feet) and building	10,400 00		
Furniture	400 00		
Hose wagon No. 2 and apparatus	1,500 00		
	<hr/>		12,300 00
No. 3 Fire Station, land (5,000 feet) and building	10,000 00		
Furniture	400 00		
Hose wagon No. 3 and apparatus	1,500 00		
Hook and ladder truck and apparatus	3,400 00		
	<hr/>		15,300 00
Amount carried forward		\$1,917,004 36	

Amount brought forward		\$1,917,004 36
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	4,850 00	
	<hr/>	23,050 00
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		36,100 00
Police Station, land (15,225 feet) and building	54,000 00	
Furniture	3,000 00	
	<hr/>	57,000 00
City Home, Broadway, land (421,648 feet) and buildings	29,400 00	
Furniture	1,426 09	
	<hr/>	30,826 09
City Home, land adjacent (9,422 feet)	1,600 00	
(74,593 feet)	13,500 00	
	<hr/>	15,100 00
Water Works		801,830 14
Prospect street, land (7,918 feet) and building		6,800 00
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 (289,140 square feet)		63,200 00
Prospect-hill Park (87,056 feet)		64,675 86
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
Walnut Hill, 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)		15,000 00
	<hr/>	
Amount carried forward		\$3,560,584 98

Amount brought forward	\$3,560,584 98
Gravel land in Wakefield (about 1 1-3 acres)	5,000 00
Gravel land rear North street (about 5 43-100 acres)	4,000 00
Oliver street, land (50,000 feet)	18,000 00
Whipple street, land (15,240 feet)	3,000 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) and storehouse	2,300 00
Somerville avenue, land (305 feet)	300 00
Broadway, junction Main street, land	900 00
	<hr/>
Total amount of public property	\$3,602,384 98

TABLE B.—FUNDED DEBT DECEMBER 31, 1902.
City Loan Bonds.

DATE.	Number of Bonds.	Rate per cent. of Interest.	When due.	Denomination.	Amount.
July 1, 1894	1,656 to 1,664	4	July 1, 1903	\$1,000	\$9,000
July 1, 1895	1,864 to 1,881	4	July 1, 1903	1,000	18,000
July 1, 1896	2,116 to 2,123	4	July 1, 1903	1,000	8,000
July 1, 1897	2,276 to 2,284	4	July 1, 1903	1,000	9,000
July 1, 1898	2,407 to 2,416	4	July 1, 1903	1,000	10,000
July 1, 1899	2,540 to 2,547	4	July 1, 1903	1,000	8,000
July 2, 1900	2,650 to 2,661	3½	July 1, 1903	1,000	12,000
July 1, 1901	2,786 to 2,793	3½	July 1, 1903	1,000	8,000
July 1, 1902	2,894 to 2,903	3½	July 1, 1903	1,000	10,000
October 1, 1891	1,215 to 1,217	4	Oct. 1, 1903	1,000	3,000
October 1, 1893	1,547 to 1,581	4½	Oct. 1, 1903	1,000	35,000
July 1, 1894	1,665 to 1,673	4	July 1, 1904	1,000	9,000
July 1, 1895	1,882 to 1,899	4	July 1, 1904	1,000	18,000
July 1, 1896	2,124 to 2,131	4	July 1, 1904	1,000	8,000
July 1, 1897	2,285 to 2,293	4	July 1, 1904	1,000	9,000
July 1, 1898	2,417 to 2,426	4	July 1, 1904	1,000	10,000
July 1, 1899	2,548 to 2,555	4	July 1, 1904	1,000	8,000
July 2, 1900	2,662 to 2,663	3½	July 1, 1904	1,000	12,000
July 1, 1901	2,794 to 2,801	3½	July 1, 1904	1,000	8,000
July 1, 1902	2,904 to 2,913	3½	July 1, 1904	1,000	10,000
October 1, 1891	1,218 to 1,220	4	Oct. 1, 1904	1,000	3,000
July 1, 1894	1,674 to 1,679	4	July 1, 1905	1,000	6,000
July 1, 1895	1,900 to 1,917	4	July 1, 1905	1,000	18,000
July 1, 1896	2,132 to 2,139	4	July 1, 1905	1,000	8,000
July 1, 1897	2,294 to 2,302	4	July 1, 1905	1,000	9,000
July 1, 1898	2,427 to 2,436	4	July 1, 1905	1,000	10,000
July 1, 1899	2,556 to 2,563	4	July 1, 1905	1,000	8,000
July 2, 1900	2,674 to 2,685	3½	July 1, 1905	1,000	12,000
July 1, 1901	2,802 to 2,809	3½	July 1, 1905	1,000	8,000
	Amount	carried	forward	. . .	\$304,000

CITY LOAN BONDS.—Continued.

DATE.	Number of Bonds.	Rate per cent. of Interest.	When Due.	Denomination.	Amount.
	Amount	brought forward			\$304,000
July 1, 1902	2,914 to 2,923	3½	July 1, 1905	\$1,000	10,000
October 1, 1891	1,221 to 1,223	4	Oct. 1, 1905	1,000	3,000
July 1, 1894	1,680 to 1,685	4	July 1, 1906	1,000	6,000
July 1, 1895	1,918 to 1,932	4	July 1, 1906	1,000	15,000
July 1, 1896	2,140 to 2,147	4	July 1, 1906	1,000	8,000
July 1, 1897	2,303 to 2,311	4	July 1, 1906	1,000	9,000
July 1, 1898	2,437 to 2,446	4	July 1, 1906	1,000	10,000
July 1, 1899	2,564 to 2,570	4	July 1, 1906	1,000	7,000
July 2, 1900	2,686 to 2,695	3½	July 1, 1906	1,000	10,000
July 1, 1901	2,810 to 2,817	3½	July 1, 1906	1,000	8,000
July 1, 1902	2,924 to 2,933	3½	July 1, 1906	1,000	10,000
July 1, 1894	1,686 to 1,691	4	July 1, 1907	1,000	6,000
July 1, 1895	1,933 to 1,947	4	July 1, 1907	1,000	15,000
July 1, 1896	2,148 to 2,155	4	July 1, 1907	1,000	8,000
July 1, 1897	2,312 to 2,320	4	July 1, 1907	1,000	9,000
July 1, 1898	2,447 to 2,456	4	July 1, 1907	1,000	10,000
July 1, 1899	2,571 to 2,577	4	July 1, 1907	1,000	7,000
July 2, 1900	2,696 to 2,705	3½	July 1, 1907	1,000	10,000
July 1, 1901	2,818 to 2,825	3½	July 1, 1907	1,000	8,000
July 1, 1902	2,934 to 2,942	3½	July 1, 1907	1,000	9,000
July 1, 1894	1,692 to 1,697	4	July 1, 1908	1,000	6,000
July 1, 1895	1,948 to 1,962	4	July 1, 1908	1,000	15,000
July 1, 1896	2,156 to 2,163	4	July 1, 1908	1,000	8,000
July 1, 1897	2,321 to 2,325	4	July 1, 1908	1,000	5,000
July 1, 1898	2,457 to 2,465	4	July 1, 1908	1,000	9,000
July 1, 1899	2,578 to 2,584	4	July 1, 1908	1,000	7,000
July 2, 1900	2,706 to 2,715	3½	July 1, 1908	1,000	10,000
July 1, 1901	2,826 to 2,832	3½	July 1, 1908	1,000	7,000
July 1, 1902	2,943 to 2,951	3½	July 1, 1908	1,000	9,000
	Amount	carried forward			\$558,000

CITY LOAN BONDS.—Continued.

DATE.	Number of Bonds.	Rate per cent. of Interest.	When due.	Denomination.	Amount.
	Amount brought forward				\$558,000
July 1, 1894	1,698 to 1,703	4	July 1, 1909	\$1,000	6,000
July 1, 1895	1,963 to 1,976	4	July 1, 1909	1,000	14,000
July 1, 1896	2,164 to 2,171	4	July 1, 1909	1,000	8,000
July 1, 1897	2,326 to 2,330	4	July 1, 1909	1,000	5,000
July 1, 1898	2,466 to 2,470	4	July 1, 1909	1,000	5,000
July 1, 1899	2,585 to 2,591	4	July 1, 1909	1,000	7,000
July 2, 1900	2,716 to 2,725	3½	July 1, 1909	1,000	10,000
July 1, 1901	2,833 to 2,839	3½	July 1, 1909	1,000	7,000
July 1, 1902	2,952 to 2,960	3½	July 1, 1909	1,000	9,000
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 2,179	4	July 1, 1910	1,000	8,000
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	2,726 to 2,735	3½	July 1, 1910	1,000	10,000
July 1, 1901	2,840 to 2,846	3½	July 1, 1910	1,000	7,000
July 1, 1902	2,961 to 2,969	3½	July 1, 1910	1,000	9,000
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	2,970 to 2,978	3½	July 1, 1911	1,000	9,000
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
	Amount carried forward				\$787,000

CITY LOAN BONDS.—Continued.

DATE.	Number of Bonds.	Rate per cent. of Interest.	When due.	Denomination.	Amount.
	Amount	brought	forward		\$787,000
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 2,987	3½	July 1, 1912	1,000	9,000
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
July 1, 1901	2,858 to 2,861	3½	July 1, 1913	1,000	4,000
July 1, 1902	2,988 to 2,990	3½	July 1, 1913	1,000	3,000
July 1, 1894	1,728 to 1,733	4	July 1, 1914	1,000	6,000
July 1, 1895	2,032 to 2,044	4	July 1, 1914	1,000	13,000
July 1, 1896	2,202 to 2,208	4	July 1, 1914	1,000	7,000
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, 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
	Amount	carried	forward		\$954,000

CITY LOAN BONDS.—Concluded.

DATE.	Number of Bonds.	Rate per cent. of Interest.	When due.	Denomination.	Amount.
	Amount	brought forward			\$954,000
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, 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 2,761	3½	July 1, 1916	1,000	4,000
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
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, 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, 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 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, 1901	2,890 to 2,893	3½	July 1, 1921	1,000	4,000
July 1, 1901	3,012 to 3,014	3½	July 1, 1921	1,000	3,000
July 1, 1901	3,015 to 3,016	3½	July 1, 1922	1,000	2,000
	Total amount	of City	Loan Bonds	. . . . .	\$1,066,000

Sewer Loan Bonds.

DATE.	Number of Bonds.	Rate per cent. of Interest.	When due.	Denomination.	Amount.
July 1, 1894	62	4	July 1, 1903	\$1,000	\$1,000
July 1, 1897	179	4	July 1, 1903	1,000	1,000
July 1, 1898	203	4	July 1, 1903	1,000	1,000
July 1, 1901	225	3½	July 1, 1903	1,000	1,000
July 1, 1902	254	3½	July 1, 1903	1,000	1,000
October 1, 1893	45	4½	Oct. 1, 1903	1,000	1,000
July 1, 1894	63	4	July 1, 1904	1,000	1,000
July 1, 1897	180	4	July 1, 1904	1,000	1,000
July 1, 1898	204	4	July 1, 1904	1,000	1,000
July 1, 1901	226	3½	July 1, 1904	1,000	1,000
July 1, 1902	255	3½	July 1, 1904	1,000	1,000
October 1, 1893	46	4½	Oct. 1, 1904	1,000	1,000
July 1, 1894	64	4	July 1, 1905	1,000	1,000
July 1, 1897	181	4	July 1, 1905	1,000	1,000
July 1, 1898	205	4	July 1, 1905	1,000	1,000
July 1, 1901	227	3½	July 1, 1905	1,000	1,000
July 1, 1902	256	3½	July 1, 1905	1,000	1,000
October 1, 1893	47	4½	Oct. 1, 1905	1,000	1,000
July 1, 1894	65	4	July 1, 1906	1,000	1,000
July 1, 1897	182	4	July 1, 1906	1,000	1,000
July 1, 1898	206	4	July 1, 1906	1,000	1,000
July 1, 1901	228	3½	July 1, 1906	1,000	1,000
July 1, 1902	257	3½	July 1, 1906	1,000	1,000
October 1, 1893	48	4½	Oct. 1, 1906	1,000	1,000
July 1, 1894	66	4	July 1, 1907	1,000	1,000
July 1, 1897	183	4	July 1, 1907	1,000	1,000
July 1, 1898	207	4	July 1, 1907	1,000	1,000
July 1, 1901	229	3½	July 1, 1907	1,000	1,000
July 1, 1902	258	3½	July 1, 1907	1,000	1,000
October 1, 1893	49	4½	Oct. 1, 1907	1,000	1,000
July 1, 1894	67	4	July 1, 1908	1,000	1,000
	Amount	carried	forward . .	. . .	\$31,000

SEWER LOAN BONDS.—Continued.

DATE.	Number of Bonds.	Rate per cent. of Interest.	When due.	Denomination.	Amount.
	Amount	brought	forward . .	. . . .	\$31,000
July 1, 1897	184	4	July 1, 1908	\$1,000	1,000
July 1, 1893	208	4	July 1, 1908	1,000	1,000
July 1, 1901	230	3½	July 1, 1908	1,000	1,000
July 1, 1902	259	3½	July 1, 1908	1,000	1,000
October 1, 1893	50	4½	Oct. 1, 1908	1,000	1,000
July 1, 1894	68	4	July 1, 1909	1,000	1,000
July 1, 1897	185	4	July 1, 1909	1,000	1,000
July 1, 1898	209	4	July 1, 1909	1,000	1,000
July 1, 1901	231	3½	July 1, 1909	1,000	1,000
July 1, 1902	260	3½	July 1, 1909	1,000	1,000
October 1, 1893	51	4½	Oct. 1, 1909	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	261	3½	July 1, 1910	1,000	1,000
October 1, 1893	52	4½	Oct. 1, 1910	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	262	3½	July 1, 1911	1,000	1,000
October 1, 1893	53	4½	Oct. 1, 1911	1,000	1,000
July 1, 1894	71	4	July 1, 1912	1,000	1,000
July 1, 1897	188	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	263	3½	July 1, 1912	1,000	1,000
July 1, 1894	72	4	July 1, 1913	1,000	1,000
	Amount	carried	forward .	. . . .	\$60,000

SEWER LOAN BONDS.—Continued.

DATE.	Number of Bonds.	Rate per cent. of Interest.	When due.	Denomination.	Amount.
	Amount brought forward				\$60,000
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, 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, 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, 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, 1897	193	4	July 1, 1917	1,000	1,000
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, 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, 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
	Amount carried forward				\$89,000

SEWER LOAN BONDS.—Continued.

DATE.	Number of Bonds.	Rate per cent. of Interest.	When due.	Denomination.	Amount.
	Amount	brought forward			\$89,000
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, 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, 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
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, 1901	246	3½	July 1, 1924	1,000	1,000
July 1, 1902	275	3½	July 1, 1924	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, 1901	248	3½	July 1, 1926	1,000	1,000
July 1, 1902	277	3½	July 1, 1926	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, 1901	250	3½	July 1, 1928	1,000	1,000
July 1, 1901	251	3½	July 1, 1929	1,000	1,000
July 1, 1901	252	3½	July 1, 1930	1,000	1,000
July 1, 1901	253	3½	July 1, 1931	1,000	1,000
Total amount	of Sewer Loan	Bonds	under debt	limit .	\$116,000

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	102 to 105	4	July 1, 1903	\$1,000	\$4,000
July 1, 1895	106 to 109	4	July 1, 1904	1,000	4,000
July 1, 1895	110 to 113	4	July 1, 1905	1,000	4,000
July 1, 1895	114 to 116	4	July 1, 1906	1,000	3,000
July 1, 1895	117 to 119	4	July 1, 1907	1,000	3,000
July 1, 1895	120 to 122	4	July 1, 1908	1,000	3,000
July 1, 1895	123 to 125	4	July 1, 1909	1,000	3,000
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	138 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 . .	\$72,000

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.	Denomi- nation.	Amount.
October 1, 1892	51 to 55	4	Oct. 1, 1903	\$1,000	\$5,000
October 1, 1892	56 to 60	4	Oct. 1, 1904	1,000	5,000
October 1, 1892	61 to 65	4	Oct. 1, 1905	1,000	5,000
October 1, 1892	66 to 70	4	Oct. 1, 1906	1,000	5,000
October 1, 1892	71 to 75	4	Oct. 1, 1907	1,000	5,000
October 1, 1892	76 to 80	4	Oct. 1, 1908	1,000	5,000
October 1, 1892	81 to 85	4	Oct. 1, 1909	1,000	5,000
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 . . .	. . .	\$50,000

Water Loan Bonds.

DATE.	Number of Bonds.	Rate per cent. of Interest.	When due.	Denomination.	Amount.
July 1, 1886	239 to 256	4	July 1, 1903	\$1,000	\$18,000
July 1, 1896	6454	4	July 1, 1903	1,000	1,000
October 1, 1889	349 to 350	4	Oct. 1, 1903	1,000	2,000
October 1, 1890	448 to 449	4	Oct. 1, 1903	1,000	2,000
July 1, 1886	257 to 266	4	July 1, 1904	1,000	10,000
July 1, 1896	6455	4	July 1, 1904	1,000	1,000
October 1, 1889	351 to 352	4	Oct. 1, 1904	1,000	2,000
October 1, 1890	450 to 451	4	Oct. 1, 1904	1,000	2,000
July 1, 1896	6456	4	July 1, 1905	1,000	1,000
October 1, 1889	353 to 355	4	Oct. 1, 1905	1,000	3,000
October 1, 1890	452 to 453	4	Oct. 1, 1905	1,000	2,000
July 1, 1876	30 to 31	5½	July 1, 1906	5,000	10,000
July 1, 1896	6457	4	July 1, 1906	1,000	1,000
October 1, 1889	356 to 358	4	Oct. 1, 1906	1,000	3,000
October 1, 1890	454 to 455	4	Oct. 1, 1906	1,000	2,000
July 1, 1886	267 to 276	4	July 1, 1907	1,000	10,000
July 1, 1888	291	4	July 1, 1907	1,000	1,000
July 1, 1896	6458	4	July 1, 1907	1,000	1,000
October 1, 1889	359 to 361	4	Oct. 1, 1907	1,000	3,000
October 1, 1890	456 to 457	4	Oct. 1, 1907	1,000	2,000
July 1, 1888	292	4	July 1, 1908	1,000	1,000
July 1, 1896	6459	4	July 1, 1908	1,000	1,000
October 1, 1889	362 to 364	4	Oct. 1, 1908	1,000	3,000
October 1, 1890	458 to 459	4	Oct. 1, 1908	1,000	2,000
July 1, 1888	293	4	July 1, 1909	1,000	1,000
October 1, 1889	365 to 367	4	Oct. 1, 1909	1,000	3,000
October 1, 1890	423 to 424	4	Oct. 1, 1909	1,000	2,000
July 1, 1888	294	4	July 1, 1910	1,000	1,000
October 1, 1889	368 to 370	4	Oct. 1, 1910	1,000	3,000
October 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
October 1, 1889	371 to 373	4	Oct. 1, 1911	1,000	3,000
	Amount	carried	forward . .	. . .	\$100,000

WATER LOAN BONDS —Concluded.

DATE.	Number of Bonds.	Rate per cent. of Interest.	When due.	Denomination.	Amount.
	Amount	brought	forward		\$100,000
October 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
October 1, 1889	374 to 376	4	Oct. 1, 1912	1,000	3,000
October 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
October 1, 1889	377 to 379	4	Oct. 1, 1913	1,000	3,000
October 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
October 1, 1889	380 to 382	4	Oct. 1, 1914	1,000	3,000
October 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
October 1, 1889	383 to 384	4	Oct. 1, 1915	1,000	2,000
October 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
October 1, 1889	385 to 386	4	Oct. 1, 1916	1,000	2,000
October 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
October 1, 1889	387 to 388	4	Oct. 1, 1917	1,000	2,000
October 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
October 1, 1889	389 to 390	4	Oct. 1, 1918	1,000	2,000
October 1, 1890	442 to 443	4	Oct. 1, 1918	1,000	2,000
October 1, 1889	391 to 392	4	Oct. 1, 1919	1,000	2,000
October 1, 1890	444 to 445	4	Oct. 1, 1919	1,000	2,000
October 1, 1890	446 to 447	4	Oct. 1, 1920	1,000	2,000
	Total amount	of	Water Loan	Bonds .	\$146,000

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.
July 1, 1902	1	3½	July 1, 1903	\$1,000	\$1,000
July 1, 1902	2	3½	July 1, 1904	1,000	1,000
July 1, 1902	3	3½	July 1, 1905	1,000	1,000
July 1, 1902	4	3½	July 1, 1906	1,000	1,000
July 1, 1902	5	3½	July 1, 1907	1,000	1,000
July 1, 1902	6	3½	July 1, 1908	1,000	1,000
July 1, 1902	7	3½	July 1, 1909	1,000	1,000
July 1, 1902	8	3½	July 1, 1910	1,000	1,000
July 1, 1902	9	3½	July 1, 1911	1,000	1,000
July 1, 1902	10	3½	July 1, 1912	1,000	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
Total amount	of Metropolitan	Park As	essment Loan	Bonds	\$27,000

Recapitulation.

City Loan Bonds	\$1,066,000 00	
Sewer Loan Bonds	116,000 00	
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Total amount of Funded Debt within the limit provided by law		\$1,182,000 00
Sewer Loan Bonds, issued under Chapter 357, Acts of 1895	\$72,000 00	
City Loan Paving Bonds, issued under Chapter 153, Acts of 1892	50,000 00	
Metropolitan Park Assessment Loan Bonds, issued under Chapter 325, Acts of 1902	27,000 00	
	<hr/>	
Total amount of Funded Debt outside of the limit allowed by law, issued under special Acts		149,000 00
Water Loan Bonds		146,000 00
		<hr/>
Total amount of Funded Debt		\$1,477,000 00

TABLE C.—STATEMENT OF ACCOUNTS, SHOWING APPROPRIATIONS, EXPENDITURES, ETC., TO DECEMBER 31, 1902.

Assessors.

CREDIT.		
Appropriations, from Taxes, 1902		\$10,050 00
DEBIT.		
Cash, paid Albert B. Fales, salary as chairman of the board of assessors	\$1,800 00	
Benjamin F. Thompson, assessor	800 00	
Nathan H. Reed, assessor	800 00	
Harry A. True, assessor	800 00	
Jesse J. Underhill, assessor	800 00	
Sewall M. Rich, assistant assessor	250 00	
Fred B. Clapp, assistant assessor	250 00	
William Henry Smith, assistant assessor	250 00	
James Wilson, assistant assessor	250 00	
Gertrude G. Kendall, first assistant clerk	700 00	
car fares	3 10	
Jennie L. Jones, second assistant clerk	600 00	
car fares	21 00	
Mabel E. Hall, third assistant clerk	444 02	
Laura E. Peavey, clerical services	168 00	
Aunita N. Fales, clerical services	155 34	
Bessie L. L. Crosby, clerical services	132 00	
Florence H. Plympton, clerical services	126 67	
Lillian Leavitt, clerical services	90 67	
Theodore H. Locke, clerical services	38 00	
Charles B. Palmer, clerical services	54 00	
Raymond A. Farr, clerical services	54 00	
George H. Crosby, clerical services	50 00	
Somerville Post-office, stamps	48 00	
Commonwealth of Massachusetts, book	6 00	
James Wilson, stationery	11 90	
Somerville Journal Co., printing and advertising	793 03	
Thomas Groom & Co., stationery	3 75	
Pneumatic Hand Stamp Co., stamps	6 62	
W. A. Greenough & Co., directory	3 00	
Samuel Ward Co., department books	179 21	
New England Telephone & Telegraph Co., rentals and tolls	67 46	
M. E. Youngjohn, stationery	1 50	
Smith Premier Typewriter Co., supplies	22 05	
Gilman Express Co., expressing	25	
American Express Co., expressing	15	
McGrath & Woodley, books	17 00	
William L. Julian, advertising	17 25	
Carter's Ink Co., stationery	38	
Yawman & Erbe Mfg. Co., stationery	14 20	
Joseph Gridley, lunch	8 00	
	\$9,836 55	
Excess and Deficiency, balance to credit of account	213 45	
	\$10,050 00	

Cash.

CREDIT.

Payments as follows:—

Assessors	\$9,836 55
City Auditor	700 75
City Clerk	7,894 94
City Engineer	12,413 93
City Messenger	1,999 15
City Solicitor	2,152 93
City Treasurer	14,282 14
Clerk of Committees and Departments	4,009 10
Contingent Fund	3,508 49
County of Middlesex	54,994 82
Commonwealth of Massachusetts	96,163 16
Coupons Unpaid	57,792 50
Election Expenses:—	
City Clerk	648 87
Commissioner of Public Buildings	658 93
Pay of Election Officers	1,604 00
Registrars of Voters	1,559 58
Electrical Department	7,294 94
Executive Department	3,733 50
Fire Department	63,031 19
Funded Debt	159,000 00
Health Department	56,410 46
Highways:—	
Construction	25,516 13
Construction Munroe Street and Stone-Avenue Extension	6,539 34
Maintenance	81,100 84
Paved Gutters and Crossings	24,251 39
Removing Brown-tail Moths	6,092 07
Shade Trees	252 68
Watering Streets	17,770 28
Inspection of Buildings	4,673 85
Interest	17,107 69
Military Aid	1,221 00
Overlay and Abatement	269 95
Police	66,530 65
Powder House Boulevard	35 43
Printing and Stationery	3,079 01
Prospect Hill Park	18,587 16
Public Buildings Construction:—	
City Hall Annex Improvement	655 02
City Hall Portico	1,332 32
Morse Schoolhouse, Sanitary Improvement	1,859 00
Schoolhouse in Ward One	35,593 46
Schoolhouse in Ward Seven	7,801 45
Public Buildings Maintenance:—	
Armory	280 00
City Hall	3,368 10
City Hall Annex	939 03
Fire Department	5,608 61
Health	372 16
Highways	190 52
Police	2,925 15
Public Grounds	21 78
Amount carried forward	\$893,664 00

Amount brought forward	\$893,664 00
Public Library	4,177 59
Schoolhouses	47,043 16
Sewer Department	49 14
Support of Poor	871 41
Water	133 95
Public Grounds	10,681 51
Public Grounds, Athletic Apparatus	11 45
Public Grounds, Athletic Field in Ward Seven	3,246 05
Public Grounds, Land on Prospect Hill	17,148 78
Public Library	18,589 79
Public Library, Isaac Pitman Fund, Income, Art	162 35
Public Library, Isaac Pitman Fund, Income, Poetry	37 12
Real Estate Liens	26 43
School Contingent	24,185 75
School Teachers' Salaries	229,410 47
Sealer of Weights and Measures	1,382 65
Sewers, Construction	35,419 89
Sewers, Maintenance	10,691 37
Sidewalks, Construction	33,074 81
Sidewalks, Maintenance	7,483 10
Soldiers' Burials	315 00
Soldiers' Relief	17,981 05
Somerville Hospital	5,000 00
State Aid	13,410 50
Street Lights	62,539 47
Sundry Persons	135 99
Support of Poor, City Home	7,396 64
Support of Poor, Miscellaneous	28,667 04
Temporary Loans	610,000 00
Water Maintenance	47,621 90
Water Works, Abatements on Water Charges	225 70
Water Works Extension	16,139 92
Balance to debit of account, 1903	27,177 62
	<hr/>
	\$2,174,101 60

DEBIT.

Balance from 1901	\$24,333 60
Receipts as follows:—	
City Clerk	1,746 95
City Engineer	549 00
City Solicitor	50 00
City Treasurer	6,344 01
Commonwealth of Massachusetts	2,180 56
Contingent Fund	588 34
Electrical Department	55 90
Fire Department	502 10
Funded Debt	175,000 00
Health Department	2,896 98
Highway Betterment Assessments	2,367 04
Highways:—	
Construction	3,221 96
Maintenance	29,100 16
Middlesex-avenue Bridge	109 63
Paved Gutters and Crossings	1,226 06
Removal Brown-tail Moths	448 85
	<hr/>
Amounts carried forward	\$250,721 14
	\$2,174,101 60

Amounts brought forward	\$250,721 14	\$2,174,101 60
Watering Streets	230 06	
Inspection of Buildings	54 50	
Interest	15,003 17	
Joseph F. Wilson Memorial	2,375 00	
Military Aid	36 00	
Metered Water Charges	13,443 57	
Overlay and Abatement	19 20	
Police	5,779 51	
Powder House Boulevard	32 33	
Prospect Hill Park	3,088 50	
Public Buildings Maintenance:—		
Highways	142 00	
Police	600 00	
Public Library	4 00	
Schoolhouses	73 00	
Public Grounds	1,212 00	
Public Library	3,962 59	
Isaac Pitman Fund, Income, Art	160 00	
Isaac Pitman Fund, Income, Poetry	40 00	
Reduction of Funded Debt	3,284 75	
Real Estate Liens	3,938 96	
School Contingent	177 50	
Sealer of Weights and Measures	368 46	
Sewer Assessments	1,587 25	
Sewers, Construction	189 92	
Maintenance	195 60	
Sidewalk Assessments	15,702 70	
Sidewalks, Construction	483 81	
Maintenance	18 00	
Soldiers' Relief	151 46	
State Aid	25 00	
Street Lights	54 00	
Sundry Persons	180 64	
Support of Poor, City Home	2,808 81	
Miscellaneous	6,851 45	
Taxes	974,907 71	
Temporary Loans	650,000 00	
Water Maintenance	12,535 88	
Water Service Assessments	3,575 80	
Water Works Income	200,087 33	
	<hr/>	<hr/>
		\$2,174,101 60

City Auditor.

CREDIT.

Appropriations, from Taxes, 1902	\$725 00
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DEBIT.

Cash, paid Charles S. Robertson, salary as auditor	\$700 00
disbursements	75
	<hr/>
	\$700 75
Excess and Deficiency, balance to credit of account	24 25
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	<hr/>
	\$725 00

City Clerk.

CREDIT.

Appropriations, from Taxes, 1902		\$6,350 00
Cash, received of George I. Vincent, City Clerk:—		
Recording mortgages	\$437 00	
Dog licenses	309 20	
Marriage certificates	343 50	
Licenses for billiards and pool	106 00	
Licenses for amusements	44 00	
Licenses for street musicians	14 00	
Copies of records	41 25	
Junk licenses	255 00	
Licenses for slaughtering	5 00	
Licenses for private detectives	20 00	
Liquor licenses	29 00	
Licenses for sale of fireworks	52 00	
Licenses for intelligence offices	24 00	
Auctioneers' licenses	42 00	
License to keep second-hand shop	25 00	
	<hr/>	1,746 95
		<hr/>
		\$8,096 95

DEBIT.

Cash, paid George I. Vincent, salary as city clerk	\$2,700 00	
Frederic W. Cook, assistant city clerk . disbursements	1,400 00 25 90	
Clara B. Snow, first assistant	700 00	
Edith A. Woodman, second assistant . car fares	600 00 1 35	
Mary A. Sleeper, third assistant	500 00	
Alice M. Vincent, fourth assistant	450 00	
Elizabeth S. Webster, census of births	62 30	
Clara Z. Elliot, census of births	37 70	
Charles E. Davis, census of births	31 20	
John F. Kennard, census of births	24 20	
Theodore H. Locke, census of births	22 30	
Seth Mason, census of births	41 50	
Albert C. Aldrich, return of births	5 75	
Edward E. Allen, return of births	1 25	
Winfield H. Ames, return of births	1 00	
Albert August, return of births	2 00	
George G. Averill, return of births	2 00	
William H. Bailey, return of births	1 25	
Frank E. Bateman, return of births	2 25	
C. E. Bedell, return of births	2 00	
William A. Bell, return of births	5 50	
Anthony W. Bowman, return of births	50	
Thomas J. Broderick, return of births	50	
William G. Brousseau, return of births	75	
Giles W. Bryant, return of births	4 75	
Herbert E. Buffum, return of births	2 25	
Lewis N. Bump, return of births	3 50	
Charles S. Cahill, return of births	7 75	
George S. Cahill, return of births	1 25	
Edward A. Carpenter, return of births	50	
	<hr/>	
Amounts carried forward	\$6,641 20	\$8,096 95

Amounts brought forward	\$6,641 20	\$8,096 95
Frank F. Carr, return of births	1 00	
Alphonso H. Carvill, return of births	3 25	
W. Morrill Colby, return of births	2 00	
John F. Couch, return of births	4 75	
John M. Crocker, return of births	1 00	
Joseph H. Cunningham, return of births	1 50	
Mary B. Currier, return of births	2 25	
Henry F. Curtis, return of births	2 75	
Horatio S. Card, return of births	25	
Eugene A. Darling, return of births	1 25	
Nathan J. Davis, return of births	2 50	
Roland A. Davis, return of births	75	
Alvah B. Dearborn, return of births	5 75	
William F. Donahue, return of births	50	
A. J. Donnelly, return of births	1 75	
Augustus W. Dudley, return of births	2 75	
Thomas M. Durell, return of births	2 75	
John E. Dwyer, return of births	75	
Charles C. Ellis, return of births	50	
John F. Fair, return of births	75	
Douglass S. Flewelling, return of births	3 25	
John L. Flynn, return of births	3 25	
P. J. Finnigan, return of births	1 50	
A. Ward Follett, return of births	5 25	
A. Waldo Forbush, return of births	2 00	
Arthur A. Gibson, return of births	21 00	
John A. Gregg, return of births	15 00	
Henry C. Hache, return of births	15 75	
William P. Hammond, return of births	50	
Herbert A. Hands, return of births	1 00	
Sanford Hanscom, return of births	1 00	
W. E. Harvey, return of births	50	
Mrs. S. Hasenfus, return of births	50	
William J. Hatchett, return of births	7 25	
John M. Homan, return of births	50	
George F. Hughes, Jr., return of births	3 50	
P. F. Kelleher, return of births	75	
Edwin S. Kimpton, return of births	1 25	
S. R. Lancaster, return of births	1 50	
Robert L. Lane, return of births	2 25	
Forrest Leavitt, return of births	1 25	
Wesley T. Lee, return of births	50	
J. S. Lockhart, return of births	50	
Charles F. Maguire, return of births	14 00	
George C. Mahoney, return of births	8 25	
Horace P. Makechnie, return of births	1 50	
Julia A. Marshall, return of births	50	
J. E. McDermott, return of births	50	
James A. McDonald, return of births	75	
W. J. McDonald, return of births	75	
Herbert B. McIntire, return of births	1 00	
J. Robert McKenzie, return of births	75	
Arthur E. Merrill, return of births	3 25	
Edward J. Meyer, return of births	2 25	
George A. Miles, return of births	10 00	
A. Moll, return of births	4 00	
Charles E. Mongan, return of births	19 25	
Frank L. Morse, return of births	3 25	
Amounts carried forward	\$6,839 70	\$8,096 95

Amounts brought forward	\$6,839 70	\$8,096 95
Frank L. S. Newton, return of births	3 00	
Albert L. Norris, return of births	75	
John F. O'Brien, return of births	75	
Catherine O'Connor, return of births	3 25	
Louis P. O'Donnell, return of births	12 75	
George E. Osgood, return of births	4 50	
T. J. Partridge, return of births	1 00	
W. F. Patterson, return of births	1 75	
H. McDonald Peggs, return of births	4 50	
Arthur R. Perry, return of births	9 50	
Eugenie M. Phillips, return of births	4 25	
Ernest D. Pillsbury, return of births	3 75	
Edwin A. Sanborn, return of births	50	
Margaret M. Sanford, return of births	50	
Frederick G. Smith, return of births	14 25	
Betty Suber, return of births	1 00	
Anna B. Taylor, return of births	1 25	
F. W. Taylor, return of births	1 50	
J. S. Thompson, return of births	1 50	
Harmon S. Trueman, return of births	5 00	
Waldo H. Tyler, return of births	1 00	
Charles J. Walsh, return of births	5 25	
Walter J. Webb, return of births	75	
Roswell Wetherbee, return of births	50	
Horace C. White, return of births	1 25	
M. W. White, return of births	14 50	
George W. W. Whiting, return of births	10 25	
Ray S. Wilder, return of births	50	
Reuben Willis, return of births	2 75	
Nelson M. Wood, return of births	2 25	
John Bryant's Sons, reporting deaths	19 25	
H. Dwight Bisbee, reporting deaths	25	
W. A. Flaherty & Son, reporting deaths	34 75	
W. A. Frink, reporting deaths	16 00	
David Fudge & Son, reporting deaths	31 00	
C. H. Lockhart, reporting deaths	9 00	
Alfred E. Mann, reporting deaths	11 50	
E. H. Marsh & Son, reporting deaths	16 00	
P. H. Rafferty, reporting deaths	20 75	
Francis M. Wilson, reporting deaths	30 75	
Somerville Post-office, stamps	47 00	
Thomas Groom & Co., books and stationery	116 40	
McGrath & Woodley, books and stationery	162 00	
S. Ward & Co., books and stationery	30 48	
Smith Premier Typewriter Co., supplies	5 48	
Thorpe & Martin, repairing typewriter	1 60	
Yawman & Erbe Mfg. Co., cards	10 85	
Fred Macy Co., cards	2 66	
Somerville Journal Co., printing and advertising	234 10	
W. A. Greenough & Co., directory	3 00	
Sampson, Murdock & Co., directory	6 00	
Robert S. Robson Co., stamps	17 10	
Benjamin F. Allen, rubber stamps	11 22	
John Donnelly & Sons, posting lists	6 00	
Amounts carried forward	\$7,797 09	\$8,096 95

Amounts brought forward	\$7,797 09	\$8,096 95
T. H. Ball, mortgage blanks	2 51	
Pemberton Law Stationery Co., forms	25	
Hobbs & Warren Co., forms	1 50	
G. H. Dickerman, box	5 75	
J. D. Bartley, book rests	4 50	
Carter's Ink Co., ink	1 13	
New England Telephone & Telegraph Co., rentals and tolls	69 12	
American Express Co., expressing	12 79	
Gilman Express Co., expressing	30	
	<hr/>	
	\$7,894 94	
Excess and Deficiency, balance to credit of account	202 01	
	<hr/>	
		\$8,096 95
		<hr/> <hr/>

City Engineer.

CREDIT.

Appropriations, from Taxes, 1902		\$11,900 00
Cash, received of Christopher G. Ross, et al., plans	\$8 00	
Abutters on Fairlee street, plan	8 00	
Abutters on Winter street, plan	8 00	
Niles Brothers, plan	5 00	
Isadore F. Hathaway, et al., plan	8 00	
William H. Smith, et al., plan	8 00	
Abutters on Veazie street, plan	8 00	
Abutters on Fenwick street, plan	5 00	
Abutters on Bedford street, plan	5 00	
Abutters on Homer square, plan	8 00	
Abutters on Charles street, plan	5 00	
Edward Coliten, et al., plan	10 00	
Trustees Tufts College, et al., plan	15 00	
Abutters on Maple and Jackson streets, plan	10 00	
Abutters on Vine street, plan	8 00	
Prospect Hill Park, engineering services	85 00	
Sewers, Construction, engineering ser- vices	345 00	
	<hr/>	
		549 00
		<hr/>
		\$12,449 00

DEBIT.

Cash, paid Ernest W. Bailey, salary as city engineer	\$2,800 00	
Engineer's Assistants	9,022 06	
Engineer's Assistants, car fares	229 07	
Thomas Groom & Co., stationery	50 70	
Library Bureau, cards	1 15	
Wadsworth, Howland, & Co., pencils, etc.	38 20	
Somerville Post-office, postage stamps	12 50	
George E. Moss, paper	1 90	
Spalding Print Paper Co., paper	75	
Sprague & Hathaway Co., card mounts	40	
	<hr/>	
Amounts carried forward	\$12,156 73	\$12,449 00

APPENDIX TO TREASURER AND COLLECTOR'S REPORT. 73

Amounts brought forward	\$12,156 73	\$12,449 00
Nichols Eng. & Contracting Co., steel tape	3 75	
George H. Walker & Co., maps	25 00	
"Municipal Journal and Engineer," subscription	6 00	
Frost & Adams Co., crayons	75	
George O. W. Servis, photographs	3 00	
S. & R. J. Lombard, posts	50 00	
Whitney & Snow, hardware	29 48	
W. P. Rice, stakes	32 90	
H. Wood, repairing tools	1 00	
C. L. Berger & Sons, repairing instruments	2 80	
J. H. Brooks, dry goods	2 60	
I. H. Brown Moulding Co., lumber and sawing	5 97	
Waldo Brothers, cement	1 23	
New England Telephone & Telegraph Co., rentals and tolls	49 34	
American Express Co., expressing	75	
E. R. Perham, expressing	15	
Sewers, Maintenance Account, setting stone bounds	42 48	
	<hr/>	
	\$12,413 93	
Excess and Deficiency, balance to credit of account	35 07	
	<hr/>	
		<u>\$12,449 00</u>

City Messenger.

CREDIT.

Appropriations, from Taxes, 1902	\$2,000 00
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DEBIT.

Cash, paid Jairus Mann, salary as city messenger	\$1,500 00
disbursements	51 80
William Buckley, horseshoeing	26 00
F. J. Stanley, board of horse	136 00
sleigh	20 00
S. C. & A. L. Jameson, board of horse	134 00
repairing sleigh	1 50
D. J. Bennett, harness work	22 40
Charles L. Underhill, repairs	10 20
L. H. Brown, carriage hire	91 00
William Kirkland, carriage hire	5 00
Thomas Groom & Co., stationery	1 25
	<hr/>
	\$1,999 15

Excess and Deficiency, balance to credit of account	85
	<hr/>
	<u>\$2,000 00</u>

City Solicitor.

CREDIT.

Appropriations, from Taxes, 1902		\$2,300 00
Cash, received of Frank W. Kaan, city solicitor, examination of title		50 00
		<hr/>
		\$2,350 00

DEBIT.

Cash, paid Frank W. Kaan, salary as city solicitor	\$1,800 00	
office rent	150 00	
supplies	76 93	
Dennis Kelley, salary as claim agent	100 00	
Charles D. Elliot, plan	6 00	
Arthur R. Perry, M. D., services at court	20 00	
	<hr/>	
	\$2,152 93	
Excess and Deficiency, balance to credit of account	197 07	
	<hr/>	
		<u>\$2,350 00</u>

City Treasurer.

CREDIT.

Appropriations, from Taxes, 1902		\$9,000 00
Amounts charged to Real Estate Liens, sundry costs on taxes	\$22 65	
Amount charged to Commonwealth of Massachusetts, fees for collecting National Bank Tax	12 01	
	<hr/>	
		34 66
Cash, received of sundry persons, costs on taxes and assessments		6,344 01
		<hr/>
		\$15,378 67

DEBIT.

Cash, paid James F. Beard, salary as city treasurer	\$3,000 00	
Charles L. Ellis, deputy collector of taxes	1,200 00	
disbursements	14 90	
Beulah M. Peirce, first assistant	1,000 00	
Louise B. McLaughlin, second assistant	700 00	
Florence M. Grow, third assistant	600 00	
Marion C. Kendall, fourth assistant	500 00	
Winnifred P. Briggs, clerical services	276 01	
Susan L. Briggs, clerical services	249 34	
Lilla A. Johnson, clerical services	158 68	
Inez M. Felt, clerical services	146 68	
Amy L. Hamlet, clerical services	40 00	
C. P. Sanborn, fees for collecting delinquent taxes	517 50	
Theodore H. Locke, fees for collecting delinquent taxes	305 00	
	<hr/>	
Amounts carried forward	\$8,708 11	\$15,378 67

Amounts brought forward	\$8,708 11	\$15,378 67
F. W. Hopkins, fees for collecting delinquent taxes	247 50	
Charles E. Davis, fees for collecting delinquent taxes	214 50	
Malcolm E. Sturtevant, fees for collecting delinquent taxes	107 00	
John J. Kenney, fees for collecting delinquent taxes	22 85	
Charles I. Shepard, fees for collecting delinquent taxes	19 50	
American Surety Co. of New York, treasurer's bond	160 00	
Little, Brown, & Co., book	7 00	
McGrath & Woodley, books	23 00	
Sampson, Murdock & Co., directory	6 00	
W. A. Greenough & Co., directories	6 00	
Miller & Shaw, repairing coupon cutter	4 09	
Somerville Journal Co., printing and advertising	3,604 00	
Webcowit Press, printing	321 75	
H. C. Dimond & Co., stamp	45	
Thomas Groom & Co., stationery	299 73	
Nathan Sawyer & Co., stationery	41 50	
Somerville National Bank, clearing house charges	2 96	
National Security Bank, clearing house charges	1 34	
Bunker Hill National Bank, clearing house charges	24	
John Donnelly & Sons, posting	58 00	
S. H. Libby, services as auctioneer	71 10	
Edwin O. Childs, recording documents	27 75	
Dennison Mfg. Co., bill straps	80	
Carter's Ink Co., ink and ribbon	6 75	
Library Bureau, card system	17 00	
Bufford Sons Engraving Co., bonds	200 00	
Smith Premier Typewriter Co., repairs	11 35	
Yale & Towne Mfg. Co., cleaning time lock	15 00	
G. A. Smith, sharpening erasers	25	
New England Telephone & Telegraph Co., rentals and tolls	75 47	
E. R. Perham, expressing	15	
American Express Co., expressing	75	
American Pneumatic Service Co., expressing	25	
	<hr/>	
	\$14,282 14	
Excess and Deficiency, balance to credit of account	1,096 53	
	<hr/>	
		\$15,378 67
		<hr/>

Clerk of Committees and Departments.

CREDIT.

Appropriations, from Taxes, 1902	\$4,000 00
Highways Construction, amount transferred	100 00
	<hr/>
	\$4,100 00
	<hr/>
Amount carried forward	\$4,100 00

Amount brought forward		\$4,100 00
DEBIT.		
Cash, paid William P. Mitchell, salary as clerk of committees and departments	\$2,000 00	
Howard E. Wemyss, assistant	700 00	
Lucia A. Manning, assistant	600 00	
Nannee M. Sargent, assistant	500 00	
Thomas Groom & Co., books and stationery	66 42	
Smith Premier Typewriter Co., supplies	28 64	
Somerville Post-office, postage	86 00	
W. A. Greenough & Co., directory	3 00	
Webcowit Press, printing	15 75	
A. C. Libby & Sons, stationery	9 14	
E. R. Perham, expressing	15	
	\$4,009 10	
Excess and Deficiency, balance to credit of account	90 90	
		\$4,100 00

Contagious Disease Hospital and Land Contiguous to City Home.

CREDIT.		
Balance from 1901		\$641 37
DEBIT.		
Public Buildings Construction, City Hall Portico account, amount transferred		\$641 37

Contingent Fund.

CREDIT.		
Appropriations, from Taxes, 1902		\$3,800 00
Cash, received of Fulton O'Brien, fees for weighing	\$56 66	
Sundry persons, licenses to peddle	250 00	
Sundry persons, druggists' licenses	29 00	
Highways, Shade Trees account, labor	252 68	
	588 34	
		\$4,388 34
DEBIT.		
Cash, paid J. G. Anthoine, rent of hall	\$20 00	
C. M. Blake, papers	6 00	
L. H. Brown, carriage hire	47 00	
Eugene Mead, carriage hire	5 00	
George E. Lowell, carriage hire	22 00	
J. H. Thompson, carriage hire	12 00	
E. F. Hicks, lunches	155 00	
McCarthy & Bucknam, dinners	10 00	
B. A. Prince, collations	32 00	
M. A. Mann, services	5 00	
H. D. Padelford, postage stamps	12 00	
Somerville Post-office, postage stamps	76 00	
J. H. Cummings, ringing bell	5 00	
J. V. Lawrence, ringing bell	8 00	
	\$415 00	
Amounts carried forward		\$4,388 34

Amounts brought forward	\$415 00	\$4,388 34
J. Howard Colbath, ringing bell	8 00	
George W. Littlefield, ringing bell	8 00	
Asbury Strahan, ringing bell	6 00	
E. A. Maynard, ringing bell	8 00	
George Stephens, Jr., ringing chimes	12 00	
Whitney & Snow, hardware	51 20	
J. A. Durell, paper, etc.	3 60	
W. E. Plumer & Co., paper	2 50	
F. Dooris, repairing tools	2 64	
Company M, Eighth Regiment, Infantry, M. V. M., appropriation for rifle practice	250 00	
Company K, Eighth Regiment, Infantry, M. V. M., appropriation for rifle practice	250 00	
H. H. Russell, decorations	15 00	
Spanish War Veteran Association, con- tribution for observance of Memorial day	25 00	
Willard C. Kinsley Post, 139, G. A. R., contribution for observance of Memo- rial day	400 00	
Belmont Hill Nurseries, shade trees	148 00	
D. H. B. Hooper, tree guards	52 68	
Joseph E. Gallagher, setting memorial tablets	29 88	
S. Henry Hadley, rehearsals	50 00	
Masten & Wells Fireworks Mfg. Co., fireworks	450 00	
Boston Cadet Band, music	250 00	
Stafford Balloon Co., balloon ascension	150 00	
Frank McGrath, games	24 80	
Leo S. Greenough, services at games	5 00	
A. F. Sampson, services at games	5 00	
Harris P. Tibbetts, labor on band stand	34 50	
John P. Fiske, use of chairs	9 00	
Bliss, Fabyan Co., cloth	8 60	
G. E. Elliott, turkeys	146 96	
Burbeck Brothers, turkeys	134 42	
M. L. King, turkeys	129 80	
L. W. Manning, turkeys	127 38	
F. W. & W. Higgins, turkeys	119 40	
William Osborne, serving notices	2 50	
State of Massachusetts, 25 per cent. of liquor licenses	7 25	
Arthur C. Gordon, painting signs	12 00	
Laborers	64 50	
Sewers Maintenance account, setting tablets	89 88	
	<hr/>	
	\$3,508 49	
Highways, Shade Trees account, amount transferred	500 00	
Electrical Department, Steam Fire Alarm Whistle, amount transferred	300 00	
	<hr/>	
	\$4,308 49	
Excess and Deficiency, balance to credit of account	79 85	
	<hr/>	
		\$4,388 34

County of Middlesex.

CREDIT.	
Appropriations, from Taxes, 1902	\$54,994 82
DEBIT.	
Cash, paid County Tax	\$54,994 82
	<u><u> </u></u>

Coupons Unpaid.

CREDIT.	
Balance of coupons unpaid January 1, 1902	\$25,265 00
Coupons maturing April 1, 1902:—	
City Loan, \$12,000 six months at 4 per cent.	\$240 00
City Loan, \$65,000 six months at 4½ per cent.	1,462 50
Paving Loan, \$55,000 six months at 4 per cent.	1,100 00
Sewer Loan, \$10,000 six months at 4½ per cent.	225 00
Water Loan, \$91,000 six months at 4 per cent.	1,820 00
	<u> </u>
	4,847 50
Coupons maturing July 1, 1902:—	
City Loan, \$256,000 six months at 3½ per cent.	\$4,480 00
City Loan, \$726,000 six months at 4 per cent.	14,520 00
Sewer Loan, \$30,000 six months at 3½ per cent.	525 00
Sewer Loan, \$132,000 six months at 4 per cent.	2,640 00
Water Loan, \$74,000 six months at 4 per cent.	1,480 00
Water Loan, \$10,000 six months at 5½ per cent.	275 00
	<u> </u>
	23,920 00
Coupons maturing October 1, 1902:—	
City Loan, \$12,000 six months at 4 per cent.	\$240 00
City Loan, \$65,000 six months at 4½ per cent.	1,462 50
Paving Loan, \$55,000 six months at 4 per cent.	1,100 00
Sewer Loan, \$10,000 six months at 4½ per cent.	225 00
Water Loan, \$91,000 six months at 4 per cent.	1,820 00
	<u> </u>
	4,847 50
Coupons maturing January 1, 1903:—	
City Loan, \$359,000 six months at 3½ per cent.	\$6,282 50
City Loan, \$663,000 six months at 4 per cent.	13,260 00
Sewer Loan, \$54,000 six months at 3½ per cent.	945 00
	<u> </u>
Amounts carried forward	\$20,487 50
	<u><u> </u></u>
	\$58,880 00

Amounts brought forward	\$20,487 50	\$58,880 00
Sewer Loan, \$125,000 six months at 4 per cent.	2,500 00	
Water Loan, \$56,000 six months at 4 per cent.	1,120 00	
Water Loan, \$10,000 six months at 5½ per cent.	275 00	
Metropolitan Park Assessment Loan, \$27,000 six months at 3½ per cent.	472 50	
	<hr/>	24,855 00
		<hr/>
		\$83,735 00

DEBIT.

Coupons paid	\$57,792 50	
Coupons of 1902 unpaid	25,942 50	
	<hr/>	\$83,735 00
		<hr/>

Election Expenses, City Clerk.

CREDIT.

Appropriations, from Taxes, 1902		\$700 00
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DEBIT.

Cash, paid Somerville Journal Co., printing and advertising	\$414 66	
William L. Julian, advertising	53 00	
Thomas Groom & Co., supplies	5 93	
B. F. Allen, seals	7 25	
Samuel Ward Co., stationery	23 51	
James Bartley, candles	72	
Robert S. Robson, repairing boxes	26 50	
Eugene Mead, carriage hire	59 00	
L. H. Brown, carriage hire	58 00	
American Express Co., expressing	30	
	<hr/>	\$648 87
Excess and Deficiency, balance to credit of account	51 13	
	<hr/>	\$700 00
		<hr/>

Election Expenses, Commissioner of Public Buildings.

CREDIT.

Appropriations, from Taxes, 1902		\$700 00
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DEBIT.

Cash, paid Harris P. Tibbetts, cleaning and repairing bill boards	\$552 15	
C. W. Stevens, carpentering	15 30	
H. W. Covell, putting up lantern	14 22	
Odd Fellows Building Association, rent of hall	30 00	
Simon Connor & Co., rent of hall	30 00	
Warren E. Locke, rent of hall	16 00	
John F. O'Brien, oil	1 26	
	<hr/>	\$658 93
Excess and Deficiency, balance to credit of account	41 07	
	<hr/>	\$700 00
		<hr/>

Election Expenses, Pay of Election Officers.

CREDIT.

Appropriations, from Taxes, 1902	\$1,600 00
Excess and Deficiency, balance to debit of account	4 00
	<hr/>
	\$1,604 00

DEBIT.

Cash, paid election officers	\$1,604 00
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Election Expenses, Registrars of Voters.

CREDIT.

Appropriations, from Taxes, 1902	\$1,500 00
Excess and Deficiency, balance to debit of account	59 58
	<hr/>
	\$1,559 58

DEBIT.

Cash, paid Charles P. Lincoln, salary as registrar	\$200 00
Charles E. Parks, salary as registrar	200 00
Levi F. S. Davis, salary as registrar	200 00
George I. Vincent, salary as registrar	200 00
Charles G. Brett, clerical services	30 00
Frederic W. Cook, clerical services	30 00
George E. Davis, clerical services	12 00
F. E. Merrill, clerical services	27 00
Herbert I. Loughton, clerical services	24 00
William P. Mitchell, clerical services	3 00
McGrath & Woodley, precinct books	49 50
Thomas Groom & Co., binding lists	6 00
Somerville Journal Co., printing voting lists, etc.	455 21
The Fred Macy Co., card index	73 50
William L. Julian, advertising	49 37
	<hr/>
	\$1,559 58
	<hr/> <hr/>

Electrical Department.

CREDIT.

Appropriations, from Taxes, 1902	\$7,500 00
Cash, received of George H. Streeter, cutting wires	\$8 00
Richard H. Sturtevant, cutting wires	6 00
Western Electric Co., wire returned	22 50
John J. McCarthy, labor, etc.	19 40
	<hr/>
	55 90
	<hr/>
	\$7,555 90

DEBIT.

Cash, paid Edward Backus, salary as superintendent of electric lights and lines	\$1,300 00
disbursements	8 40
Laborers	3,576 93
	<hr/>
Amounts carried forward	\$4,885 33
	<hr/>
	\$7,555 90

Amounts brought forward	\$4,885 33	\$7,555 90
W. E. Decrow, electrical supplies	970 24	
T. W. Gleeson, electrical supplies	58 50	
Electric Gas Lighting Co., electrical supplies	420 73	
Pettingell-Andrews Co., electrical supplies	114 93	
Chandler & Farquhar, electrical supplies	9 94	
Somerville Electric Light Co., electrical supplies	5 00	
Western Electric Co., wire	231 00	
D. J. Bennett, brushes, etc.	20 10	
George F. Hughes, oil	70	
F. W. Kimball, cleats	15 26	
John T. Sellon, glasses	10 13	
Whitney & Snow, hardware	2 63	
Underhill Hardware Co., hardware	25 14	
W. E. Plumer & Co., hardware	13 37	
Boston Bolt Co., screws	7 69	
I. H. Wiley & Co., varnish	12 85	
J. A. Kiley, repairing wagon	49 70	
Fellows & Co., ladder	1 20	
Charles L. Underhill, iron	1 00	
Charles E. Perry & Co., rag paper	30 57	
H. Wood, sharpening saws	40	
W. H. Bullard, castor oil	30	
I. H. Brown Moulding Co., lumber	11 50	
Sage's Trunk Depot, bag	4 50	
Hill & Holt, repairing	15 00	
Robert Josselyn, gloves	5 62	
Thomas Groom & Co., books and stationery	3 73	
Somerville Journal Co., printing	49 20	
Somerville Post-office, stamps	4 00	
American Express Co., expressing	1 60	
George T. Day, expressing	12 83	
Gilman Express Co., expressing	25	
Fire Department, board of horses	300 00	
	<hr/>	
	\$7,294 94	
Excess and Deficiency, balance to credit of account	260 96	
	<hr/>	
		<u>\$7,555 90</u>

Electrical Department, Steam Fire Alarm Whistle.

CREDIT.

Appropriations, from Funded Debt, 1902	\$200 00
Contingent Fund, amount transferred	300 00
	<hr/>
	\$500 00

DEBIT.

Balance to credit of account, 1903	<u>\$500 00</u>
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Excess and Deficiency.

CREDIT.

Balance from 1901	\$6,974 75
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DEBIT.

Public Buildings Construction, City Hall Annex Improvement, amount trans- ferred	\$600 00
Highways Maintenance, amount transferred	6,374 75
	\$6,974 75

CREDIT.

Assessors, balance of 1902 account	\$213 45
City Auditor, balance of 1902 account	24 25
City Clerk, balance of 1902 account	202 01
City Engineer, balance of 1902 account	35 07
City Messenger, balance of 1902 account	85
City Solicitor, balance of 1902 account	197 07
City Treasurer, balance of 1902 account	1,096 53
Clerk of Committees and Departments, balance of 1902 account	90 90
Contingent Fund, balance of 1902 account	79 85
Election Expenses:—	
City Clerk, balance of 1902 account	51 13
Commissioner of Public Buildings, balance of 1902 ac- count	41 07
Electrical Department, balance of 1902 account	260 96
Executive Department, balance of 1902 account	66 50
Fire Department, balance of 1902 account	200 91
Highways Maintenance, balance of 1902 account	1,770 81
Highways, Shade Trees, balance of 1902 account	247 32
Inspection of Buildings, balance of 1902 account	80 65
Police, balance of 1902 account	6,044 75
Printing and Stationery, balance of 1902 account	120 99
Public Buildings Maintenance:—	
Armory, balance of 1902 account	420 00
City Hall, balance of 1902 account	131 90
Health, balance of 1902 account	127 84
Highways, balance of 1902 account	351 48
Police, balance of 1902 account	1,074 85
Public Grounds, balance of 1902 account	28 22
Sewers, balance of 1902 account	86
Public Grounds, balance of 1902 account	30 49
Public Library, balance of 1902 account	93 55
Reduction of Funded Debt, balance of 1902 account	12,147 99
Sealer of Weights and Measures, balance of 1902 account	85 81
Sewers Maintenance, balance of 1902 account	4 23
Street Lights, balance of 1902 account	514 53
Support of Poor, Miscellaneous, balance of 1902 account	359 09
	\$26,195 91
Balance to debit of account, 1903	2,101 77
	\$28,297 68
Amount carried forward	

Amount brought forward \$28,297 68

DEBIT.

Election Expenses:—

Pay of Election Officers, balance of 1902 account \$4 00

Registrars of Voters, balance of 1902 account 59 58

Health Department, balance of 1902 account 699 02

Highways:—

Construction, balance of 1902 account 4,324 45

Construction Munroe Street and Stone Avenue, balance of 1902 account 242 38

Removal Brown-tail Moths, balance of 1902 account 2,130 09

Watering Streets, balance of 1902 account 204 54

Interest, balance of 1902 account 1,651 47

Military Aid, balance of 1902 account 232 50

Overlay and Abatement 4,589 97

Public Buildings Maintenance:—

City Hall Annex, balance of 1902 account 189 03

Fire Department, balance of 1902 account 1,808 61

Public Library, balance of 1902 account 673 59

Schoolhouses, balance of 1902 account 1,470 16

Support of Poor, balance of 1902 account 371 41

Water Department, balance of 1902 account 33 95

School Contingent, balance of 1902 account 3,008 25

School Teachers' Salaries, balance of 1902 account 1,410 47

Sidewalks Maintenance, balance of 1902 account 3,176 79

Soldiers' Relief, balance of 1902 account 1,829 59

Support of Poor, City Home, balance of 1902 account 187 83

\$28,297 68

Executive Department.

CREDIT.

Appropriations, from Taxes, 1902 \$3,800 00

DEBIT.

Cash, paid Hon. Edward Glines, salary as mayor \$2,500 00

Fred E. Warren, secretary to the mayor 1,099 96

disbursements 1 05

Somerville Post-office, stamps 4 00

A. C. Libby & Sons, stationery 12 82

Samuel Ward Co., stationery 5 77

Somerville Journal Co., printing 30 35

Little, Brown & Co., books 7 20

W. A. Greenough & Co., directory 3 00

Wagner Typewriter Co., supplies 1 00

New England Telephone & Telegraph Co., rentals and tolls 68 35

\$3,733 50

Excess and Deficiency, balance to credit of account 66 50

\$3,800 00

Fire Department.

CREDIT.

Appropriations, from Taxes, 1902		\$39,800 00
Water Works Income, amount transferred		22,000 00
Highways Construction, amount transferred		930 00
Cash, received of Boston Elevated Railway Co., damage to apparatus	\$177 10	
E. Teel & Co., old wheels	25 00	
Electrical Department, board of horses	300 00	
		<hr/>
		502 10
		<hr/>
		\$63,232 10

DEBIT.

Cash, paid James R. Hopkins, salary as chief engineer	\$1,800 00	
disbursements	53 00	
Nathaniel C. Barker, assistant engineer	1,200 00	
Permanent firemen and substitutes	33,472 16	
Steamer Co. No. 1, callmen	1,485 00	
Steamer Co. No. 2, callmen	1,485 50	
Steamer Co. No. 4, callmen	1,428 05	
Hose Co. No. 2, callmen	1,512 25	
Hose Co. No. 3, callmen	1,355 42	
Hose Co. No. 5, callmen	1,537 46	
Hose Co. No. 6, callmen	1,014 83	
Hose Co. No. 7, callmen	779 73	
Hook & Ladder Co. No. 1, callmen	1,950 19	
Hook & Ladder Co. No. 2, callmen	1,934 50	
J. B. Rufer, horseshoeing	258 15	
I. B. Walker, horseshoeing	194 18	
W. H. Richardson, horseshoeing	166 10	
M. E. Crouse, horseshoeing	165 17	
Edward O'Brien, horseshoeing	134 76	
William Buckley, horseshoeing	54 19	
I. W. Hamilton, horseshoeing	49 42	
J. H. Thompson, horseshoeing	46 20	
George & Ireland, horseshoeing	23 60	
I. L. Roberts, horseshoeing	1 30	
F. J. Stanley, clipping horse	5 00	
Mrs. M. E. Calvert, washing	170 89	
Mrs. I. C. Jackson, washing	96 29	
Mrs. W. Loveland, washing	56 50	
Mrs. Samuel H. Stevens, washing	52 25	
A. M. Spike, washing	31 49	
Mrs. E. F. Trefren, washing	36 13	
Archibald Wheel Co., wagon hubs	76 50	
H. O. Austin, harnesses	12 70	
F. D. & J. W. Bartlett, bit holders	30 00	
D. J. Bennett, harness work	156 60	
Harry A. Glazier, hangers	19 50	
S. D. Hicks & Son, brake shoes	33 00	
Hill & Hill, harness and repairs	55 27	
Spalding Co., harness work	24 60	
Myer, Abrams & Co., harness work	205 75	
D. McDonald, harness work	27 85	
William T. Henderson, repairing wagons	34 00	
		<hr/>
Amounts carried forward	\$53,225 48	\$63,232 10

Amounts brought forward	\$53,225 48	\$63,232 10
Dr. F. A. Dallen, horse dentistry	67 00	
John G. Lesure, horse medicine	13 70	
C. H. Paine, horse medicine	10 00	
Grover & Berry, horse medicine	3 70	
George E. Grover, horse medicine	65	
C. S. Lombard & Co., horse medicine	25	
Ame & Co., horse food	18 00	
Charles R. Simpson, veterinary services	128 25	
Welch & Hall, horse	115 60	
Henry S. Harris & Son, clipping machine	12 25	
Proctor Brothers, hay and grain	1,709 63	
Lord & Webster, hay and grain	960 43	
Nathan Tufts & Sons, hay and grain	938 72	
Fulton O'Brion, hay and grain	673 43	
George W. Ladd, hay and grain	241 60	
Hobart S. Palmer, hay and grain	205 09	
A. Fitch & Co., hay and grain	117 75	
F. C. Dinsmore, hay and grain	75 50	
J. A. Marsh, hay and grain	42 26	
J. A. Kiley, repairing wagons	185 50	
Welch, Dwyer & Grady, repairing wagons	137 95	
Hale & Mayhew Co., repairing wagons	93 70	
Otto A. Meyer Co., repairing wagons	8 30	
Joseph Palmer, repairing wagons	4 00	
L. A. Wright, repairing wagons	2 40	
Charles E. Berry, repairing apparatus	306 54	
E. Teel & Co., repairing apparatus	177 10	
William Campbell & Co., repairing ap- paratus	69 00	
Edward Kendall & Sons, repairing appa- ratus	50 19	
Crosby Steam Gage & Valve Co., re- pairing apparatus	1 65	
Cornelius Callahan, repairing hose	94 33	
Boston Woven Hose & Rubber Co., re- pairing hose	93 35	
American Fire Engine Co., apparatus	550 85	
The Cornelius Callahan Co., apparatus	180 15	
Knight & Thomas, apparatus	44 00	
John F. Crafts, apparatus	25 25	
New England Fire Supply Co., apparatus	10 00	
Charles T. Holloway & Co., apparatus	25	
Henry K. Barnes, hose	750 83	
Gutta Percha & Rubber Mfg. Co., hose	150 00	
Combination Ladder & Rhode Island Coupling Co., hose	110 00	
Frank E. Fitts Mfg. & Supply Co., hose	46 90	
S. F. Hayward & Co., hose	42 50	
R. Dreyer, oil	96 03	
J. Bartley, oil and salt	1 50	
Eastern Drug Co., chemicals	72 87	
J. Wesley Edmonds, polish	21 60	
P. Sutherland & Co., polish	17 98	
Glaister Mfg. Co., polish	9 60	
H. D. Padelford, drugs	2 00	
Mrs. C. H. Weston, liniment	1 25	
Amounts carried forward	\$61,916 86	\$63,232 10

Amounts brought forward	\$61,916 86	\$63,232 10
Mathieson Alkali Works, soda	23 52	
J. E. Phipps, grease	6 30	
W. H. Bullard, soap, sawdust, etc.	33 75	
Carr Chemical Co, disinfectant	6 00	
Elias Lathrop, ointment	8 00	
L. A. Wright, hardware	47 05	
Whitney & Snow, hardware	35 40	
Underhill Hardware Co., hardware	13 47	
E. S. Sparrow & Co., hardware	8 80	
W. E. Plumer & Co., hardware	6 85	
J. A. Durell, hardware	3 87	
Fellows & Co., hardware	1 75	
W. L. Snow Co., hardware	78	
W. G. Hallock, dusters and brushes	41 50	
W. A. Haskell, brooms and mops	26 50	
Leander Barber, brooms	15 00	
Nu-Broom Co., brooms	9 00	
Milwaukee Dustless Brush Co., brushes	10 20	
R. L. Leaned, brushes	9 00	
George F. Hughes, painting	1 55	
C. N. Perkins & Co., repairs	3 50	
George E. Wyman, repairing clock	1 00	
F. D. Weld & Co., ladder and shavings	6 50	
C. W. H. Moulton & Co., ladder and hooks	56 75	
C. H. Whall & Co., jack	24 00	
Oliver Whyte & Co., basket	8 00	
Joseph Breck & Sons Corporation, grindstone	5 00	
Scrannage Brothers, sockets	2 67	
Clara B. Lipsett, tool chest and tools	40 00	
Chandler & Farquhar, tools	2 00	
C. F. Hovey & Co., sheets and cases	28 80	
E. D. Hewins, coal bags	16 80	
Scovill Mfg. Co., buttons	20 25	
The Boston Regalia Co., insignia	15 66	
E. P. Gleason Mfg. Co., fire hats	6 25	
Mitchell Mfg. Co., badges	15 08	
Davidson Rubber Co., mouth pieces	3 00	
The New Departure Bell Co., bell	20 00	
M. F. Underwood, electrical supplies	15 50	
Union Glass Co., lantern globes	5 60	
Woodhouse Mfg. Co., lanterns	8 00	
Fred W. Farrar, repairing clocks	5 50	
Andrew J. Morse & Son, hydrant gates and repairing	23 75	
Fresh Pond Ice Co., ice	29 50	
Cambridge Ice Co., ice	26 20	
Winter Hill Ice Co., ice	6 50	
Boston Ice Co., ice	6 00	
New England Telephone & Telegraph Co., rentals and tolls	226 65	
Charlestown Gas & Electric Co., gas	6 40	
Somerville Journal Co., printing	52 50	
F. W. Barry, Beale & Co., stationery	47 65	
H. A. Shepard & Co., stationery	75	
W. A. Greenough & Co., directory	3 00	
Amounts carried forward	\$62,963 91	\$63,232 10

APPENDIX TO TREASURER AND COLLECTOR'S REPORT. 87

Amounts brought forward	\$62,963 91	\$63,232 10
Little, Brown & Co., Revised Laws	7 00	
Somerville Post-office, stamps	6 00	
A. J. Whittemore, photographs	4 00	
Rufer & Creamer, use of horse	3 00	
George E. Lowell, carriage hire	10 00	
L. H. Brown, carriage hire	10 00	
Eugene Mead, carriage hire	10 00	
American Express Co., expressing	6 20	
George T. Day, expressing	3 89	
Glines & Co., expressing	3 49	
Gilman Express Co., expressing	2 00	
E. R. Perham, expressing	1 70	

\$63,031 19

Excess and Deficiency, balance to credit of account 200 91

\$63,232 10

Funded Debt.

CREDIT.

Balance from 1901	\$1,461,000 00
Cash, received from sale of City Loan Bonds Nos. 2894 to 3016	123,000 00
Sewer Loan Bonds Nos. 254 to 278	25,000 00
Metropolitan Park Assessment Loan Bonds Nos. 1 to 27	27,000 00
	<u>\$1,636,000 00</u>

DEBIT.

Cash, paid Sundry Persons:—

City Loan Bonds Nos. 1647 to 1655	\$9,000 00
City Loan Bonds Nos. 1846 to 1863	18,000 00
City Loan Bonds Nos. 2107 to 2115	9,000 00
City Loan Bonds Nos. 2267 to 2275	9,000 00
City Loan Bonds Nos. 2397 to 2406	10,000 00
City Loan Bonds Nos. 2532 to 2539	8,000 00
City Loan Bonds Nos. 2638 to 2649	12,000 00
City Loan Bonds Nos. 2778 to 2785	8,000 00
City Loan Bonds Nos. 1212 to 1214	3,000 00
City Loan Bonds Nos. 1517 to 1546	30,000 00
Sewer Loan Bond No. 61	1,000 00
Sewer Loan Bond No. 178	1,000 00
Sewer Loan Bond No. 202	1,000 00
Sewer Loan Bond No. 224	1,000 00
Sewer Loan Bond No. 44	1,000 00
Sewer Loan Bonds Nos. 98 to 101	4,000 00
Paving Loan Bonds Nos. 46 to 50	5,000 00
Water Loan Bonds Nos. 220 to 226	7,000 00
Water Loan Bonds Nos. 229 to 238	10,000 00
Water Loan Bonds Nos. 347 to 348	2,000 00
Water Loan Bonds Nos. 420 to 421	2,000 00
Water Loan Bonds Nos. 469 to 475	7,000 00
Water Loan Bond No. b453	1,000 00

\$159,000 00

Balance to credit of account of 1903 1,477,000 00

\$1,636,000 00

Health Department.

CREDIT.

Appropriations, from Taxes, 1902		\$44,500 00
Amount charged Commonwealth of Massachusetts, ex- pense of contagious diseases		814 46
Water Works Income, amount transferred		7,500 00
Cash, received of William P. Mitchell, clerk, permits to keep swine, etc.	\$72 00	
J. E. Richardson, milk inspector's fees	139 48	
Hannibal S. Pond, offal	1,100 00	
Freeman L. Lowell, incubator	12 50	
Everett Board of Health, use of am- bulance	50 00	
City of Medford, use of ambulance	30 00	
City of Gloucester, medical attendance at Contagious Hospital	205 00	
Town of Andover, medical attendance at Contagious Hospital	498 00	
Town of Arlington, medical attendance at Contagious Hospital	765 00	
George F. McKenna, horse	25 00	
	<hr/>	2,896 98
		<hr/>
		\$55,711 44
Excess and Deficiency, balance to debit of account		699 02
		<hr/>
		\$56,410 46

DEBIT.

Cash, paid Caleb A. Page, salary as inspec- tor	\$1,200 00	
disbursements	30 90	
Sundry Persons, burying dead animals	116 00	
George W. S. Huse, salary as superin- tendent	99 11	
Edgar T. Mayhew, salary as superin- tendent	800 89	
Julius E. Richardson, salary as milk in- spector	649 96	
disbursements	1 85	
Charles M. Berry, salary as inspector of animals and provisions	700 00	
fumigating, etc.	114 45	
Freeman L. Lowell, salary as bacteri- ologist	233 33	
Laborers	27,060 67	
John Kennedy, labor	5 00	
Ira Doughty, labor	61 25	
Arthur M. Berry, labor	22 88	
E. T. Benson, repairing regenerator	24 00	
Melvin & Badger, formaldehyde	67 55	
Harvard Co-operative Society, supplies	16 71	
William C. Wright, serum tubes	37 90	
H. E. Wright & Sons, evaporator	8 00	
M. F. Underwood, repairing motor	75	
Thomas Groom & Co., books and sta- tionery	94 18	
	<hr/>	
Amounts carried forward	\$31,345 38	\$56,410 46

Amounts brought forward	\$31,345 38	\$56,410 46
Somerville Post-office, postage and rent of box	68 00	
New England Telephone & Telegraph Co., rentals and tolls	143 23	
Somerville Journal Co., printing	191 26	
Citizen Press, printing	1 50	
Webcowit Press, printing	7 50	
H. C. Dimond & Co., numbering machine, etc.	10 45	
Blickensderfer Typewriter Co., rent of machine	4 00	
William L. Julian, advertising	44 25	
Samuel Ward Co., books	11 00	
Library Bureau, cards	152 70	
F. E. Barton, clerical work	49 75	
Dr. F. C. Martin, vaccine points	239 50	
Frederick Stearns & Co., vaccine points	215 00	
Thomas Metcalf & Co., vaccine points	145 83	
New England Vaccine Co., vaccine points	60 00	
Codman & Shurtleff, vaccine points	55 00	
C. H. Goldthwaite & Co., vaccine points	18 60	
C. S. Lombard, vaccination shields, etc.	10 95	
Dr. C. E. Bedell, vaccinations	644 21	
Dr. W. M. Colby, vaccinations	314 75	
Dr. John F. Couch, vaccinations	194 50	
Dr. Henry F. Curtis, vaccinations	350 00	
Dr. Henry C. Hache, vaccinations	203 50	
Dr. H. P. Makechnie, vaccinations	155 50	
Dr. Edward J. Meyer, vaccinations	90 00	
Dr. L. P. O'Donnell, vaccinations	712 50	
Dr. George E. Osgood, vaccinations	120 50	
Dr. Ernest D. Pillsbury, vaccinations	252 00	
Dr. Francis Shaw, vaccinations	696 20	
Dr. C. H. Tozier, vaccinations	41 00	
Dr. M. W. White, vaccinations	292 50	
Dr. Frank E. Bateman, vaccinations	100 00	
Dr. Douglass S. Flewelling, vaccinations	100 00	
Dr. A. Ward Follett, vaccinations	100 00	
Dr. Charles E. Mongan, vaccinations	100 00	
Dr. Charles F. Maguire, vaccinations	111 00	
Dr. Freeman L. Lowell, vaccinations	87 00	
Dr. J. H. Dennen, vaccinations	696 20	
Dr. George F. Hughes, Jr., vaccinations	485 60	
Dr. L. H. Pote, vaccinations	578 00	
Dr. Herbert K. Stiles, vaccinations	498 16	
Roy C. Burckes, janitor's services	14 00	
E. P. Cook, janitor's services	14 00	
F. S. Dickinson, janitor's services	14 00	
W. B. Higgins, janitor's services	14 00	
G. A. McGonnigle, janitor's services	29 75	
N. L. Pennock, janitor's services	14 00	
J. C. Sampson, janitor's services	14 00	
Albert C. Taylor, janitor's services	14 00	
John F. O'Brien, janitor's services	14 33	
Alfred Shiner, janitor's services	14 25	
Solshine Mfg. Co., polish	2 00	
E. S. Sparrow & Co., polish	50	
Amounts carried forward	\$39,855 85	\$56,410 46

Amounts brought forward	\$39,855 85	\$56,410 46
Milton H. Plummer, drugs	186 03	
Frederick W. Gay, drugs	85	
Marshall-street Pharmacy, drugs	1 35	
R. G. Perkins, drugs	256 83	
Herbert E. Bowman, drugs	6 65	
Eastern Drug Co., acid	2 70	
Eimer & Amend, chemicals	1 20	
Fox, Fultz, & Co., bottles	2 50	
R. T. Brown & Co., stencils	3 25	
J. Durell, tools and hardware	145 10	
Howe & Flint, stove, etc.	12 65	
T. H. Naughton, plumbing	2 64	
William S. Howe & Co., repairing pump	1 50	
Whitney & Snow, hardware	45 16	
W. E. Plumer & Co., hardware	2 15	
Fellows & Co., ladder	4 86	
John Fisher & Co., offal tubs	10 80	
T. Allen, use of team	96 75	
G. F. McKenna, use of team	36 00	
J. H. Fannon, use of team	27 00	
W. J. McCarthy, use of team	20 00	
M. P. Canfield, use of team	3 00	
Hale & Mayhew Co., ash carts, etc.	823 55	
I. B. Walker, horseshoeing and repairing	196 44	
Welch & Hall, horses	928 83	
B. S. Walker, bay horse	185 00	
C. R. Simpson, veterinary services	112 50	
Caldwell's Stable, use of horse for am- bulance	64 50	
Proctor Brothers, hay and grain	3,841 66	
Lord & Webster, hay and grain	416 51	
C. L. Underhill, repairing tools	45 70	
D. J. Bennett, harness work	657 26	
Edward O'Brien, horseshoeing	209 39	
M. E. Crouse, horseshoeing	86 26	
I. B. Walker, horseshoeing	63 33	
George McDormand, horseshoeing	54 75	
I. L. Roberts, horseshoeing	31 00	
William Buckley, horseshoeing	25 50	
American Express Co., expressing	4 45	
Gilman Express Co., expressing	1 00	
E. R. Perham, expressing	15	
Leonard H. Pote, M. D., professional services	175 00	
J. H. Dennen, M. D., professional ser- vices	1,371 00	
G. W. Gale, M. D., professional services	40 00	
Thomas T. Perkins, M. D., professional services	27 85	
Mary E. Ayer, nursing at Contagious Hospital	1,758 57	
Harriet A. Kimball, nursing at Conta- gious Hospital	511 25	
Clinton I. Prouty, nursing at Con- tagious Hospital	350 00	
Hattie Goodrow, nursing at Contagious Hospital	90 00	
Henry A. Wheeler & Co., tents and fly	90 50	
Amounts carried forward	\$52,886 77	\$56,410 46

Amounts brought forward	\$52,886 77	\$56,410 46
P. H. Rafferty, burials	38 00	
A. E. Mann, burials	35 00	
Howe & Flint, lighting vaccination stations	56 36	
Somerville Electric Light Co., setting poles	30 92	
C. H. Goldthwaite, operating gown	1 75	
Emma J. Smith, gas at laboratory	9 00	
Wellington-Wild Coal Co., fuel	9 75	
Highland Coal Co., fuel	3 10	
Frank A. Teele, fuel	48 38	
Cambridge Ice Co., ice	70	
Union Square Furniture Co., furniture	342 20	
John L. Crafts, clothing	16 28	
J. H. Brooks, dry goods	162 18	
Beckwith Brothers, groceries	52 39	
W. B. Seller & Co., groceries	29 14	
Medford-street Market, groceries	27 14	
Russell & Co., groceries	1,475 96	
F. E. Cheney & Co., groceries	38 31	
J. A. Brady, groceries	6 50	
D. A. McKay, groceries	12 33	
Edward Coliten, groceries	85 63	
T. A. Cunningham, groceries	40 37	
R. M. Sturtevant & Co., groceries and provisions	24 79	
Copithorne Brothers, groceries and provisions	16 04	
James Harris, groceries and provisions	9 63	
W. C. Short, groceries and provisions	16 82	
Charles S. Butters, groceries and provisions	68 55	
W. H. Guscott, groceries and provisions	20 61	
Henry A. Wason, groceries and provisions	20 22	
M. D. Lewis, groceries and provisions	28 54	
A. E. Robie, groceries and provisions	19 44	
Toothaker Brothers, milk	7 32	
Margaret Gorevan, rent	15 00	
Dudley A. Dorr, rent	80 00	
Frank A. Teele, rent	25 50	
George H. Sallaway, rent	11 00	
George F. Matthews, carpentering	30 48	
Arthur C. Gordon, signs and stakes	4 00	
John S. Clary Lumber Co., lumber	18 49	
William H. Waller, special officer at Contagious Hospital	192 25	
Water Maintenance account, water service at Contagious Hospital	393 62	
	<hr/>	<hr/> <hr/>
		\$56,410 46

Highway Betterment Assessments.

CREDIT.

Cash, received of sundry persons	\$2,367 04
Balance to debit of account, 1903	5,078 73
	<hr/>
Amount carried forward	\$7,445 77

Amount brought forward		\$7,445 77
	DEBIT.	
Balance from 1901		\$62 45
Highways, Construction, assess- ments levied as follows:—		
Hall street	\$284 88	
Columbia street	606 00	
Edmands street	271 71	
Lowell street	1,464 82	
Mansfield street	492 07	
Morrison avenue	1,015 07	
Windsor road	487 74	
Sycamore street	209 48	
Columbus avenue	95 98	
Conwell street	171 59	
Fosket street	553 75	
Gilman terrace	229 16	
Hammond street	377 58	
Powder House terrace	326 53	
		6,586 36
Highways, Construction Munroe Street and Stone Avenue, assess- ments levied		796 96
		<u>\$7,445 77</u>

Highways, Boston Avenue Bridge.

	CREDIT.	
Balance to debit of account, 1903		\$706 86
	DEBIT.	
Balance from 1901		<u>\$706 86</u>

Highways, Construction.

	CREDIT.	
Balance from 1901		\$963 36
Appropriations, from Taxes, 1902		2,350 00
Amount charged to Commonwealth of Massachusetts, street railway tax (part appropriated)		10,000 00
Amount charged Highway Betterment Assessments, as- sessment levied		6,586 36
Cash, received of Highways, Construction of Munroe Street and Stone Avenue account, labor	\$3,175 16	
Highways Maintenance account, stone	46 80	
		3,221 96
		<u>\$23,121 68</u>
Excess and Deficiency, balance to debit of account		4,324 45
		<u>\$27,446 13</u>
	DEBIT.	
Cash, paid laborers	\$10,493 01	
J. H. Cressey, broken stone	708 94	
		<u>\$11,201 95</u>
Amounts carried forward		<u>\$27,446 13</u>

Amounts brought forward	\$11,201 95	\$27,446 13
Mass. Broken Stone Co., stone	909 66	
Waltham Trap Rock Co., broken stone	951 93	
William J. McCarthy, stone	51 00	
J. Buttimer, ballast	63 00	
R. M. Sturtevant & Co., use of teams	24 00	
J. H. Fannon, teaming stone	81 44	
Dennis C. Mahoney, taking of land	120 30	
F. C. Ayer, lumber	29 03	
Thomas Groom & Co., books and stationery	6 00	
Middlesex Registry of Deeds, recording documents	75 70	
Somerville Journal Co., advertising	288 50	
William L. Julian, advertising	12 00	
McGrath & Woodley, printing	5 00	
George O. W. Servis, photographs	1 00	
Highways Maintenance account, ballast and crushed stone	11,617 12	
Prospect Hill Park, filling	78 50	
	<hr/>	
	\$25,516 13	
Clerk of Committees and Departments account, amount transferred	\$100 00	
Fire Department, amount transferred	930 00	
Inspection of Buildings, amount transferred	200 00	
Public Buildings Maintenance, Armory, amount transferred	400 00	
Support of Poor, Miscellaneous account, amount transferred	300 00	
	<hr/>	
		<u>\$27,446 13</u>

Highways, Construction Munroe Street and Stone Avenue Extension.

CREDIT.

Appropriations from Funded Debt, 1902	\$5,500 00
Amount charged Highway Betterment Assessments, assessments levied	796 96
	<hr/>
	\$6,296 96
Excess and Deficiency, balance to debit of account	242 38
	<hr/>
	\$6,539 34

DEBIT.

Cash, paid S. & R. J. Lombard, edgestones	\$122 43
Highways Construction account, use of city teams and materials	3,175 16
Highways Maintenance account, use of city teams and labor	241 75
Prospect Hill Park account, removing materials, etc.	3,000 00
	<hr/>
	\$6,539 34

Highways, Maintenance.

CREDIT.

Balance from 1901		\$11,291 66
Excess and Deficiency account, amount transferred . . .		6,374 75
Amount charged Commonwealth of Massachusetts, street railway tax, additional return for 1901 less adjustment of 1900		41 40
Amount charged Commonwealth of Massachusetts, street railway tax (part appropriated)		28,371 24
Amount charged Commonwealth of Massachusetts, Boston Elevated Railway tax (part appropriated)		7,993 64
Cash, received of Theodore H. Locke, crushed stone	\$1 05	
S. Adams Clark, street cleaning	5 00	
W. F. Noble, driveway	17 18	
Charles Moore, crushed stone	50	
George F. McKenna, driveway	9 75	
Boston Elevated Railway Co., crushed stone	11 65	
Fred Estever, teaming coal	6 80	
J. W. Russell, manure	92 50	
J. R. Marston, old horse	75 00	
Daniel Hickey, saddles	10 00	
A. M. Prescott, horses	165 00	
T. F. Reardon, old horses	90 00	
Charles R. Bunker, crushed stone	2 44	
Martin W. Carr & Co., crushed stone	8 81	
Patrick Connors, ballast	10 00	
E. B. Coffin, ballast	3 25	
George H. Pendergast, bricks	25 02	
John Silk, stone	19 80	
W. J. McCarthy, stone	500 00	
Thomas Allen, stone	16 31	
Ellis & Buswell, stone	11 21	
Warren Bros., stone and cinders	38 14	
Elbridge G. Davis, bricks	16 50	
Antonio F. Burmann, driveway	11 94	
James Cottor, driveway	27 00	
O. L. Story, driveway	5 00	
Henry Green, driveway	7 00	
Leander P. Augusta, et al., driveway	13 00	
George W. Bentley, driveway	11 25	
Moses Smith, driveway	11 88	
George H. Streeter, driveway	12 00	
T. C. Connor, driveway	9 25	
T. Allen, error in bill	137 70	
Horatio Harrington, error in pay roll	10 00	
Somerville Electric Light Co., labor drilling	6 00	
William J. Griffith, discontinuing driveway	6 00	
Paul A. Seckendorf, discontinuing driveway	6 00	
William G. Nash, bags	4 00	
Charles E. Bedell, iron post	2 50	
Highways Construction account, stock	11,617 12	
Amounts carried forward	\$13,033 55	\$54,072 69

Amounts brought forward	\$13,033 55	\$54,072 69
Highways, Construction Munroe Street and Stone Avenue Extension account, labor and materials	241 75	
Highways, Paved Gutters and Crossings account, paving blocks	5,549 32	
Highways, Removing Brown-tail Moths account, labor	5,942 97	
Highways, Watering Streets account, use of city teams	12 90	
Powder House Boulevard account, labor	35 43	
Prospect Hill Park account, labor	7 50	
Public Buildings Maintenance, Fire Department account, use of city teams	373 67	
Public Buildings Maintenance, School-houses account, repairs	248 25	
Public Grounds account, stone	16 87	
Sidewalks Construction account, edge-stones	2,353 48	
Sidewalks Maintenance account, city teams	936 09	
Sewers Construction account, labor, etc.	335 25	
	<hr/>	29,087 03
		<hr/>
		\$83,159 72

DEBIT.

Cash, paid laborers' pay-rolls	\$44,858 73	
John P. Prichard, salary as superintendent of streets	2,000 00	
disbursements	15 51	
Eugene Mead, board of superintendent's horse	261 79	
Charles I. Bucknam, services	425 00	
Florence E. Barton, typewriting	10 00	
Dr. G. L. Walton, professional services	25 00	
Dr. A. R. Perry, professional services	53 00	
Elizabeth Sullivan, compensation for damages	350 00	
Jane F. Smith, settlement of claim	100 00	
Joseph D. Sutton, settlement of claim	300 00	
Margaret Sullivan, settlement of claim	35 00	
Town of Wakefield, taxes	70 44	
Middlesex Registry of Deeds, recording plans	5 30	
Thomas Groom & Co., books and stationery	64 00	
A. C. Libbey & Sons, stationery, etc.	15 57	
Somerville Journal Co., printing	85 40	
Somerville Post-office, postage	20 00	
Lawrence Mitchell, photographs	50	
George O. W. Servis, photographs	1 50	
David Bruce, field glasses	7 25	
Ashton Valve Co., gage glasses	90	
H. H. I. Smith, books	4 26	
William L. Julian, advertising	4 25	
New England Telephone & Telegraph Co., rentals and tolls	49 95	
Heirs Jesse Simpson, rent of land	30 00	
	<hr/>	
Amounts carried forward	\$48,793 35	\$83,159 72

Amounts brought forward	\$48,793 35	\$83,159 72
City of Medford, maintenance Middlesex- avenue bridge	358 01	
Suffolk Engraving & Electrotyping Co., half-tone views	38 85	
Phillips Co., twelve letters	4 20	
George F. Hughes, paint stock	2 50	
T. A. Sallaway, paint and supplies	16 17	
I. H. Wiley & Co., paint and supplies	28 76	
Warren Brothers Co., dipper	2 00	
J. A. Durell, hardware	46	
Whitney & Snow, hardware	259 00	
W. E. Plumer & Co., hardware and tools	245 49	
E. S. Sparrow & Co., hardware and tools	160 25	
Underhill Hardware Co., tools	28 10	
Herbert Wood, sharpening saws, etc.	17 75	
Jarvis Engineering Co., machinery	77 40	
Brown & Wales, tubes	13 02	
W. L. Snow, tubes	45	
Fred C. Gifford, repairing tools	47 60	
John W. Harmon, repairing tools	7 75	
A. W. Isele & Son, tools	77 00	
S. H. Davis & Co., tools	4 22	
Perrin, Seamans, & Co., tools	183 11	
Joseph Breck & Sons Corp., tools	87 73	
Boston Bolt Co., bolts, screws, etc.	15 51	
Braman, Dow, & Co., pipe unions	51 78	
Crosby Steam Gage & Valve Co., re- pairing gages	2 25	
Chadwick Boston Lead Co., metal	34 82	
Dodge, Haley, & Co., wire and steel	104 98	
Boston Bamboo Co., poles	8 28	
Birch Brothers, labor on pump	1 00	
Charlestown Stove Co., pipe for forge	75	
P. Lacy, building wall	90 21	
W. G. Nash, lime and cement	66 20	
Bowker Chemical Co., creosote	75	
T. O'Keefe, sand	553 50	
T. Allen, granolithic walk	153 00	
William J. McCarthy, stone	146 33	
C. W. Dolloff, stone	250 00	
Frank Buttimer, stone	1,146 68	
Thomas E. Owens, stone	5 07	
J. F. Dwyer, stone	1,241 68	
Michael Leahy, stone	12 81	
William H. Lennox, stone	1,010 30	
Mrs. Shean, stone	14 67	
John M. Riley, stone	731 98	
J. H. Cressey, stone	54 09	
Edward McCann, stone	11 80	
John Turner & Co., stone	222 64	
Waltham Trap Rock Co., stone	346 70	
James Burr, stone	5 00	
H. G. Kennedy, stone	348 88	
Mass. Broken Stone Co., stone	439 01	
J. H. Fannon, sand and stone	590 22	
S. & R. J. Lombard, paving blocks	1,005 74	
Ellis & Buswell, crushed stone	645 87	
Amounts carried forward	\$59,765 67	\$83,159 72

Amounts brought forward	\$59,765 67	\$83,159 72
J. Buttimer, gravel	20 00	
Eastern Paving Brick Co., bricks	420 75	
Waldo Brothers, bricks	9 50	
Ferris Brick Co., bricks	120 44	
Estate of John N. Ball, wagon	80 00	
Hale & Mayhew Co., repairing wagons	421 15	
Joseph Palmer, repairing wagons	4 50	
Welch, Dwyer, & Grady, repairing wagons	28 00	
A. M. Wood Co., repairing carts	682 84	
E. A. Gillett & Sons, sleigh shaft	75	
A. Taylor, buggy	162 50	
Fresh Pond Ice Co., whiffletrees	10 00	
L. A. Wright, repairing buggy	30 75	
Morgan & Bond, harnesses	796 99	
D. McDonald, harness work	39 95	
Trustees of Tufts College, collar	2 00	
George A. Noyes & Co., harness supplies	5 00	
Edward O'Brien, horseshoeing	229 38	
George McDormand, horseshoeing	19 51	
William Buckley, horseshoeing	1 51	
I. W. Hamilton, horseshoeing	75	
Gilmore Smith Co., hay and grain	865 90	
Lord & Webster, hay and grain	2,227 90	
Nathan Tufts & Son, hay and grain	3,696 65	
Proctor Brothers, hay and grain	197 10	
William H. Hitchings, veterinary services	18 00	
C. H. Paine, horse medicine	5 00	
J. N. Marston, horses	410 00	
Welch & Hall, horses	400 00	
R. M. Sturtevant & Co., horses	400 00	
William Buckley, horse	275 00	
Bennett & Taylor, horse	175 00	
I. B. Walker, repairing scraper	3 13	
Charles A. Claffin & Co., repairing roller	138 22	
Julian D'Este Co., repairing roller	9 30	
O. S. Kelley Co., repairing roller	9 00	
A. J. Wilkinson & Co., repairing roller	95	
Farrell Foundry Machine Co., repairing crusher	267 20	
Walter W. Field, repairing crusher	94 38	
Roberts Iron Works Co., repairing crusher	12 26	
Charles E. Berry, repairing crusher	1 00	
Good Roads Machinery Co., repairing road machine	64 75	
Ames Plow Co., plows	32 90	
Buffalo Pitts Co., road rollers	3,510 25	
William C. Oastler, broom for sweeper	22 50	
Charles Hvass, brooms	9 00	
Steel Clad Reversible Broom Co., brooms	5 88	
Henry C. Holt Co., lacings	2 00	
W. A. Wood Co., oil	17 40	
Electric Gas Lighting Co., supplies	13 58	
Union Square Furniture Co., oil heater	3 50	
Wellington-Wild Coal Co., fuel	1,862 79	
Frank Hervey, powder and fuse	73 42	
Amounts carried forward	\$77,675 90	\$83,159 72

Amounts brought forward	\$77,675 90	\$83,159 72
D. A. McKay, ginger, etc.	4 50	
Highland Coal Co., cement	62 00	
F. D. Weld & Co., ladders	74 63	
Fellows & Co., ladders	33 86	
Thomas Hollis Co., drugs	17 00	
American Steam Packing Co., packing	26 93	
W. B. Mullen, sand	1,322 40	
F. C. Ayer, lumber	243 46	
T. E. Littlefield, lumber	5 36	
W. L. Waugh, lumber and labor	14 35	
George W. Gale Lumber Co., cedar posts	15 00	
Boston Belting Co., hose	76 99	
Boston Coupling Co., hydrant connections	3 80	
Barber Asphalt Paving Co., repairing asphalt	12 76	
M. F. Underwood, lock work	60	
John P. Squire & Co., salt	2 28	
Cling Surface Mfg. Co., polish	8 75	
Union Glass Co., lanterns and globes	18 25	
Bowker Insecticide Co., syringe, etc.	7 25	
H. E. Bowman, medicine	23 05	
J. W. Howard, plants	10 55	
Armstrong Brothers, soil pipe	7 00	
L. H. Brown, carriage hire	15 00	
George E. Lowell, carriage hire	10 00	
Eugene Mead, carriage hire	10 00	
C. J. Miers, use of teams	58 50	
George W. Prichard, teaming	63 11	
Boston & Maine Railroad, freight	31 25	
Bucknam & McCarthy, dinners	19 30	
City of Somerville, sidewalk assessment	33 16	
Highways Construction account, stone	46 80	
Highways. Paved Gutters and Crossings account, paving blocks	1,142 36	
Sidewalks Construction account, bricks	4 69	
	<hr/>	
	\$81,100 84	
Amount credited to Commonwealth of Massachusetts, readjustment of street railway tax	288 07	
	<hr/>	
	\$81,388 91	
Excess and Deficiency, balance to credit of account	1,770 81	
	<hr/>	
		\$83,159 72
		<hr/> <hr/>

Highways, Middlesex Avenue Bridge.

CREDIT.

Cash, received of City of Medford, proceeds of sale of draw-tender's house, etc. \$109 63

DEBIT.

Balance to credit of account, 1903 \$109 63

Highways, Paved Gutters and Crossings.

CREDIT.

Appropriations, from Funded Debt, 1902		\$19,000 00
Cash, received of W. G. Nash, bags	\$13 20	
Highways Maintenance account, paving stock	1,142 36	
Highways, Watering Streets account, paving blocks	70 50	
	<hr/>	1,226 06
		<hr/>
		\$20,226 06
Balance to debit of account, 1903		9,382 27
		<hr/>
		\$29,608 33

DEBIT.

Balance from 1901	\$5,356 94	
Cash, paid laborers	7,591 01	
Thomas Groom & Co, books and stationery	6 00	
T. Allen, concrete crossings	909 33	
W. G. Nash, cement	85 80	
Warren Brothers Co., pitch	131 70	
Charlestown Gas & Electric Co., coal tar	113 75	
C. W. Dolloff, paving blocks	5,929 57	
S. & R. J. Lombard, paving blocks	1,905 45	
John M. Riley, paving blocks	1,342 02	
J. H. Fannon, paving blocks	6 70	
John Turner & Co., paving blocks	7 65	
Coleman Brothers, paving blocks	673 09	
Highway Maintenance account, paving blocks	5,549 32	
	<hr/>	\$29,608 33
		<hr/>

Highways, Paving Cross Street.

CREDIT.

Balance from 1901		\$1,900 80
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DEBIT.

Highways, Paving Davis Square account, amount transferred	\$316 80	
Sidewalks Construction account, amount transferred	1,584 00	
	<hr/>	\$1,900 80
		<hr/>

Highways, Paving Davis Square.

CREDIT.

Highways, Paving Cross Street account, amount transferred		\$316 80
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DEBIT.

Balance from 1901		\$316 80
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Highways, Paving Washington Street.

CREDIT.	
Balance from 1901	\$212 46
DEBIT.	
Balance to credit of account, 1903	\$212 46

Highways, Removing Brown-Tail Moths.

CREDIT.	
Appropriations, from Taxes, 1902	\$3,500 00
Cash, received of sundry persons, labor removing moths	\$424 23
Public Buildings Maintenance, School-houses account, labor removing moths	37 75
	461 98
	\$3,961 98
Excess and Deficiency, balance to debit of account	2,130 09
	\$6,092 07
DEBIT.	
Cash, paid laborers	\$118 00
Somerville Journal Co., printing and stationery	15 10
Somerville Post-office, postage	16 00
Highways, Maintenance account, labor, printing, etc.	5,942 97
	\$6,092 07

Highways, Shade Trees.

CREDIT.	
Contingent Fund account, amount transferred	\$500 00
DEBIT.	
Cash, paid Contingent Fund account, trees, tree-guards, and labor (setting)	\$252 68
Excess and Deficiency, balance to credit of account	247 32
	\$500 00

Highways, Watering Streets.

CREDIT.	
Taxes, assessments levied	\$17,335 68
Cash, received of abutters	\$148 18
M. W. Carr & Co., watering driveway	12 00
Fresh Pond Ice Co., bill previously paid	10 00
W. J. Blaisdell, error in pay-roll	4 00
Murphy Varnish Co., express charges	1 88
Sundry persons, insuring	54 00
	230 06
Amount carried forward	\$17,565 74

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Amount brought forward	\$17,565 74
Excess and Deficiency, balance to debit of account	204 54
	<hr/>
	\$17,770 28

DEBIT.

Cash, paid laborers	\$532 00	
Charles I. Bucknam, overseeing disbursements	595 00	
C. R. Bowlby, watering	607 50	
C. P. Brann, watering	600 00	
Frank Buttimer, watering	103 75	
D. J. Caldwell, watering	607 50	
George W. Cummings, watering	466 41	
Ernest A. Dodge, watering	517 50	
C. T. Garland, watering	547 50	
Henry J. Holland, watering	481 16	
William Libbey, watering	517 50	
George E. Lowell, watering	607 50	
J. A. Marsh, watering	600 00	
Henry J. McAvoy, watering	525 00	
George F. McKenna, watering	607 50	
A. M. Prescott, watering	613 50	
George W. Prichard, watering	607 50	
D. M. Smith, watering	600 00	
R. M. Sturtevant, watering	551 25	
Benjamin Thomas, watering	607 50	
J. H. Thompson, watering	440 00	
W. M. Thacher, watering	585 00	
E. E. Whitehouse, watering	566 25	
Jeremiah Buttimer, watering	340 00	
T. F. Crimmings, watering	422 26	
J. F. Elkins, watering	425 00	
James H. Hoar, Jr., watering	425 00	
Ellen McAvoy, watering	425 00	
M. W. Patten, watering	425 00	
P. Shannon, watering	457 99	
J. L. & H. K. Potter, repairing carts	1,565 14	
Walter W. Field, repairing carts	16 60	
Hale & Mayhew Co., repairing carts	56 00	
Joseph Palmer, repairing carts	60 42	
I. B. Walker, repairing carts	13 15	
L. A. Wright, repairing carts	5 75	
American Steam Packing Co., Asbesto metallic	1 12	
Dodge, Haley, & Co., steel	40	
Murphy Varnish Co., paint, etc.	302 38	
A. M. Wood Co., poles and lumber	38 74	
Charles A. Claflin & Co., flax packing	4 88	
Boston Woven Hose & Rubber Co., clamps	27	
Fresh Pond Ice Co., whiffletrees	10 00	
Hutchinson & Gethin, water spouts	18 35	
Edward O'Brien, horseshoeing	16 75	
Fulton O'Brien, hay	1 90	
B. Thomas, teaming	10 50	
Elizabeth F. Glover, overpaid watering Glover circle	2 00	
	<hr/>	
Amounts carried forward	\$17,531 89	\$17,770 28

Amounts brought forward	\$17,531 89	\$17,770 28
Charles S. Robertson, insurance	45 00	
Lillian E. Leavitt, clerical services	85 33	
A. L. Haskell, books and pencils	66	
Somerville Post-office, postage	8 75	
Somerville Journal Co., stationery	3 25	
S. Ward Co., book	12 00	
Highways Maintenance account, use of teams	12 90	
Highways, Paved Gutters and Crossings account, paving blocks	70 50	
	<hr/>	<hr/> <hr/>
		\$17,770 28

Inspection of Buildings.

CREDIT.

Appropriations, from Taxes, 1902	\$4,500 00
Highways Construction account, amount transferred	200 00
Cash, received of Frederick C. Fuller, plumbers' licenses	54 50
	<hr/>
	\$4,754 50

DEBIT.

Cash, paid Frederick C. Fuller, salary as commissioner of public buildings	\$1,900 00
Walter T. Littlefield, assistant commis- sioner of public buildings	1,400 00
Duncan C. Greene, inspector of plumbing Somerville Journal Co., printing	1,200 00
A. C. Libbey & Sons, stationery	35 10
R. M. Starbuck, books	3 55
R. M. Starbuck, books	13 75
Wadsworth, Howland, & Co., supplies	1 57
W. A. Greenough & Co., directory	3 00
New England Telephone & Telegraph Co., rentals and tolls	67 97
George E. Lowell, hacks	18 00
D. W. Crocker, use of landau	10 00
John C. Fowler, dinners	13 30
Hutchinson & Gethin, gasolene furnace	7 61
	<hr/>
	\$4,673 85
Excess and Deficiency, balance to credit of account	80 65
	<hr/>
	\$4,754 50

Interest.

CREDIT.

Appropriations, from Taxes, 1902	\$45,500 00
Water Works Income, amount transferred	6,622 00
Amount charged to Real Estate Liens, interest	11 05
Cash, received of sundry persons	15,003 17
	<hr/>
	\$67,136 22
Excess and Deficiency, balance to debit of account	1,651 47
	<hr/>
	\$68,787 69

APPENDIX TO TREASURER AND COLLECTOR'S REPORT. 103

DEBIT.		
Coupons maturing April 1, 1902	\$3,027 50	
Coupons maturing July 1, 1902	22,165 00	
Coupons maturing October 1, 1902	3,027 50	
Coupons maturing January 1, 1902	23,460 00	
		\$51,680 00
Cash, paid interest on Temporary Loans:—		
On note No. 501, \$50,000 two months, twenty-one days, at 3¼ per cent.	\$416 25	
On note No. 502, \$100,000 eight months, at 3.6 per cent.	2,387 78	
On note No. 517, \$100,000 six months, two days, at 3.7 per cent.	1,870 56	
On note No. 524, \$50,000 seven months, two days, at 3¾ per cent. (discount)	1,104 17	
On note No. 518, \$100,000 nine months, at 3.4 per cent.	2,550 00	
On notes Nos. 519-522, \$25,000 each, ten months, at 3.4 per cent.	2,833 33	
On note No. 525, \$100,000 six months, at 3.65 per cent.	1,835 14	
On notes Nos. 531-538, \$100,000 six months, at 4.96 per cent. (discount)	2,480 00	
On note No. 526, \$10,000 six months, at 3½ per cent.	175 00	
On note No. 523, \$50,000 ten months, two days, at 3.47 per cent.	1,455 46	
		\$17,107 69
		\$68,787 69

Joseph F. Wilson Memorial.

CREDIT.		
Received from Trustees under the will of Joseph F. Wilson		\$2,375 00
DEBIT.		
Balance to credit of account, 1903		\$2,375 00
		\$2,375 00

Massachusetts, Commonwealth of.

CREDIT.		
State Tax		\$26,250 00
National Bank Tax		1,196 05
Metropolitan Parks Loan Sinking Fund, 1900	\$4,305 59	
Interest on Parks, 1900	7,981 87	
Interest on Boulevards, 1900	1,597 12	
Cost of Maintaining Parks, 1900	3,072 72	
Cost of Maintaining Boulevards, 1900	781 20	
Cost of Maintaining Nantasket, 1900	221 20	
		17,959 70
Amount carried forward		\$45,405 75

Amount brought forward		\$45,405 75
Metropolitan Parks Loan Sinking Fund, 1901	\$4,423 28	
Interest on Parks, 1901	8,001 59	
Interest on Boulevards, 1901	1,608 97	
Cost of Maintaining Parks, 1901	4,199 38	
Cost of Maintaining Boulevards, 1901	1,049 41	
Cost of Maintaining Nantasket, 1901	510 46	
		19,793 09
Metropolitan Parks Loan Sinking Fund, 1902	\$4,781 04	
Interest on Parks, 1902	8,428 79	
Interest on Boulevards, 1902	1,766 38	
Cost of Maintaining Parks, 1902	4,594 95	
Cost of Maintaining Boulevards, 1902	1,394 24	
Cost of Maintaining Nantasket, 1902	510 46	
		21,475 86
Interest on Deferred Metropolitan Park Payments		1,687 54
Metropolitan Sewer Loan Sinking Fund, North Metropolitan System, 1902	\$6,433 71	
Interest on, 1902	23,485 38	
Cost of Maintenance, 1902	15,241 16	
		45,160 25
Metropolitan Water Loan Sinking Fund, 1902	\$19,014 85	
Interest on, 1902	30,427 40	
Cost of Maintenance, 1902	12,955 64	
		62,397 89
Readjustment of Street Railway Tax, 1901		288 07
Cash		2,180 56
		<u>\$198,389 01</u>

DEBIT.

Balance from 1901	\$13,015 00	
Corporation Taxes, 1901	2,308 59	
Corporation Taxes, 1902	26,431 50	
National Bank Tax, 1901	118 64	
National Bank Tax, 1902	4,937 16	
Armory Rents	700 00	
Street Railway Tax, 1901	41 40	
Street Railway Tax, 1902	44,371 24	
Boston Elevated Railway Tax, 1902	7,993 64	
Temporary Support of State Paupers	554 68	
Burial of State Paupers	20 00	
Expense of Contagious Diseases	814 46	
Water Receipts, 1901	59 89	
Water Receipts, 1902	847 64	
Collecting National Bank Tax	12 01	
Cash	96,163 16	
		<u>\$198,389 01</u>
State Aid, 1902		\$13,385 50
Soldiers' Burials, 1902		315 00
Military Aid, 1902		602 50
		<u>\$14,303 00</u>
Balance to debit of account, 1903		<u>14,303 00</u>

\$27,000 of Metropolitan Park Assessments was provided for by borrowing on Funded Debt, by authority of Chapter 225, Acts of 1892.

Metered Water Charges.

CREDIT.	
Water Works, Abatements on Water Charges, abatements	\$134 50
Cash, received of sundry water takers	13,443 57
	<hr/>
	\$13,578 07
Balance to debit of account, 1903	14,189 92
	<hr/>
	\$27,767 99
DEBIT.	
Balance from 1901	\$13,755 31
Water Works Income, meter rates for last quarter of 1902, payable 1903	13,891 78
Water Works Income, water bills un- collected	120 90
	<hr/>
	\$27,767 99
	<hr/> <hr/>

Military Aid.

CREDIT.	
Appropriations, from Taxes, 1902	\$350 00
Commonwealth of Massachusetts	602 50
Cash, received of sundry persons, money not called for	36 00
	<hr/>
	\$988 50
Excess and Deficiency, balance to debit of account	232 50
	<hr/>
	\$1,221 00
DEBIT.	
Cash, paid sundry persons as per pay-rolls	\$1,221 00
	<hr/> <hr/>

Overlay and Abatement.

CREDIT.	
Balance from 1901	\$4,637 11
Taxes, amount of overlay from assessors' warrant	9,107 81
Amount of assessors' supplementary warrants	434 88
Cash, taxes previously abated	17 20
	<hr/>
	\$14,197 00
Excess and Deficiency, balance to debit of account	4,589 97
	<hr/>
	\$18,786 97
DEBIT.	
Taxes, amount of abatements	\$18,519 02
Cash, paid Frank E. Powers, tax of 1901 re- funded	2 00
Mary Callahan, tax of 1901 refunded	14 31
	<hr/>
Amounts carried forward	\$18,535 33
	<hr/> <hr/>
	\$18,786 97

Amounts brought forward	\$18,535 33	\$18,786 97
David and Ellen Hennessey, tax of 1902 refunded	8 20	
Matthew McGarry, tax of 1902 refunded	2 00	
Patrick S. Cleary, tax of 1902 refunded	11 48	
Trustees Tufts College, tax of 1902 refunded	221 40	
Eleanor A. Scott, tax of 1902 refunded	6 56	
Charles W. Goodrich, tax of 1902 refunded	2 00	
	<hr/>	<hr/> <hr/>
		\$18,786 97

Overplus on Tax Sales.

CREDIT.		
Balance from 1901		\$118 13
DEBIT.		
Balance to credit of account, 1903		118 13
		<hr/> <hr/>

Police.

CREDIT.		
Appropriations, from Taxes, 1902		\$33,000 00
Appropriations, from corporation tax for 1901 credited by Commonwealth of Massachusetts		2,308 59
Appropriations, from national bank tax for 1901 credited by Commonwealth of Massachusetts		118 64
Appropriations, from corporation tax for 1902 credited by Commonwealth of Massachusetts		26,431 50
Appropriations, from national bank tax for 1902 credited by Commonwealth of Massachusetts		4,937 16
Cash, received of John R. Fairbairn, Master of House of Correction, fines	\$575 00	
Herbert A. Chapin, clerk of the courts, fines	4,580 00	
Sundry persons, cloth for uniforms	624 51	
	<hr/>	5,779 51
		<hr/> <hr/>
		\$72,575 40
DEBIT.		
Cash, paid Melville C. Parkhurst, chief lock-up keeper	\$1,900 00	
Robert R. Perry, captain	1,500 00	
Dennis Kelley, lieutenant	1,290 61	
Eugene A. Carter, lieutenant	1,287 70	
Edward McGarr, sergeant	1,200 00	
Christopher C. Cavanagh, sergeant	1,200 00	
Charles E. Woodman, sergeant	1,200 00	
George H. Carleton, inspector	1,127 95	
Phineas W. Skinner, patrolman	1,089 00	
John Hafford, patrolman	939 00	
Albion L. Staples, patrolman	1,095 00	
George W. Bean, patrolman	553 50	
George W. Bean, retired (half pay)	268 50	
	<hr/>	<hr/> <hr/>
Amounts carried forward	\$14,751 26	\$72,575 40

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Amounts brought forward	\$14,751 26	\$72,575 40
John E. Fuller, patrolman	1,095 00	
Edward M. Carter, patrolman	1,095 00	
George L. Smith, patrolman	1,092 00	
Francis A. Perkins, patrolman	1,095 00	
William H. Johnston, patrolman	1,095 00	
Charles S. Thrasher, patrolman	678 00	
Arthur E. Keating, patrolman	1,095 00	
John G. Knight, patrolman	756 00	
Jacob W. Skinner, patrolman	1,095 00	
Theodore E. Heron, patrolman	1,095 00	
David A. Bolton, patrolman	1,089 00	
James M. Harmon, patrolman	1,086 00	
Michael T. Kennedy, patrolman	1,095 00	
Ira S. Carlton, patrolman	1,095 00	
Charles W. Stevens, patrolman	1,095 00	
Ezra A. Dodge, patrolman	1,095 00	
Eugene H. Gammon, patrolman	1,074 00	
James J. Pollard, patrolman	1,095 00	
Daniel G. Simons, patrolman	1,113 00	
Samuel Burns, patrolman	1,095 00	
Frederick H. Googins, patrolman	1,095 00	
Jotham Chisholm, patrolman	1,095 00	
William J. Davidson, patrolman	1,095 00	
Elmer E. Drew, patrolman	690 00	
John A. Dadmun, patrolman	1,095 00	
Eugene A. Woodsum, patrolman	1,095 00	
George L. Rice, patrolman	1,095 00	
Myron S. Gott, patrolman	1,074 75	
John A. Ray, patrolman	1,062 75	
Herbert Hilton, patrolman	1,074 75	
Charles W. Reick, patrolman	1,044 75	
Charles E. Byrnes, patrolman	984 00	
Thomas Damery, patrolman	984 00	
Frank C. Hopkins, patrolman	984 00	
Charles W. Allen, patrolman	954 50	
Hudson M. Howe, patrolman	907 50	
Frederic J. Balcom, patrolman	912 50	
Ernest S. Goff, patrolman	912 50	
Sanford S. Lewis, patrolman	912 50	
Frank H. Graves, patrolman	912 50	
Henry A. Sudbey, reserve patrolman	902 50	
Harry L. Allen, reserve patrolman	900 00	
Martin Sharry, reserve patrolman	844 25	
James M. Lynch, reserve patrolman	285 00	
William J. Sutherland, reserve patrolman	570 00	
Harvey R. Fuller, reserve patrolman	555 00	
Thomas F. McNamara, reserve patrolman	552 50	
Lewis F. Arnold, reserve patrolman	230 00	
Charles S. Johnston, reserve patrolman	222 50	
George E. Reece, reserve patrolman	230 00	
Judson W. Oliver, driver	912 50	
Edward E. Ware, driver	821 25	
Edward Lowman, driver	80 00	
Frederick G. Jones, driver	207 00	
Martin E. Driscoll, driver	20 25	
Patrick H. Ryan, special patrolman	138 75	
Amounts carried forward	\$63,326 76	\$72,575 40

Amounts brought forward	\$63,326 76	\$72,575 40
John H. Kelley, special patrolman	11 25	
Frank C. Downer, special patrolman	117 50	
Edmund J. Keane, special patrolman	26 00	
William G. Penny, special patrolman	26 00	
Henry Y. Gilson, special patrolman	26 00	
William F. Waller, special patrolman	26 00	
Frank A. Brown, special patrolman	32 00	
Walter M. Thacher, special patrolman	22 00	
John E. Baptiste, special patrolman	4 00	
Sundry persons, police duty at polls	144 00	
Dennis Kelley, disbursements	25 95	
Eugene A. Carter, disbursements	174 47	
George H. Carleton, disbursements	36 16	
F. W. Hopkins, disbursements	75 96	
Lemuel Snow, disbursements	12 60	
Thomas Damery, disbursements	1 30	
Charles W. Reick, disbursements	95	
Sanford S. Lewis, disbursements	3 55	
A. E. Keating, disbursements	3 29	
John A. Ray, disbursements	1 52	
J. A. Marsh, hay and grain	251 17	
C. H. Paine, horse medicine	2 00	
Ira L. Roberts, horseshoeing	74 50	
Spalding Harness Co., repairs	11 40	
Union Square Carriage & Wagon Co., repairs	8 60	
Charles Waugh & Co., repairing ambu- lance, etc.	212 10	
Stephen D. McPhee, labor	20 00	
Lawrence L. Peirce, veterinary services	8 00	
Henry F. Curtis, professional services	2 00	
C. E. Bushee, medicine case	6 36	
Mary A. Staples, matron	12 50	
Gertrude A. Bauer, matron	235 00	
Idella Taylor, washing	45 15	
Ray's Laundry, washing	4 00	
American Towel Supply Co., towels	48 00	
Mrs. William McEachern, feeding pris- oners	36 00	
E. B. West, crackers	1 30	
Thomas Groom & Co., stationery	96 70	
Little, Brown, & Co., law books	37 75	
W. A. Greenough & Co., directories	9 00	
C. M. Blake, newspapers	14 60	
Somerville Journal Co., printing	27 25	
Henry Barrett, photographs	53 00	
New England Telephone & Telegraph Co., rentals and tolls	205 15	
Beck Duplicator Co., ribbon	1 00	
Neostyle Co., copying machine and sup- plies	58 55	
Aymar & Bradlee, paper	1 45	
Wagner Typewriter Co., ribbon	2 00	
Hobbs & Warren Co., envelopes	1 00	
M. L. Vinal, envelopes	3 10	
J. H. Brooks, dry goods	2 50	
Roderick Cameron, cloth for uniforms	251 03	
Amounts carried forward	\$65,839 42	\$72,575 40

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Amounts brought forward	\$65,839 42	\$72,575 40
M. J. Connor, cloth for uniforms	234 41	
Gordon Clasp Co., belt buckles	37 50	
D. J. Bennett, repairing belts	16 00	
Allen Brothers, badges, etc.	18 25	
Raphael Masstrangialo, badges, etc.	139 57	
Mitchell Mfg. Co., badges	12 00	
Bent & Bush, captains' wreaths	14 00	
Scoville Mfg. Co., buttons	30 38	
Iver Johnson Co., revolvers	74 26	
Whitney & Snow, hardware	39 76	
H. Wood, repairs	1 15	
Howe & Flint, repairs	25	
F. W. Farrar, repairing clocks	1 50	
Fresh Pond Ice Co., ice	35 00	
L. H. Brown, carriage hire	25 50	
Charles W. Dailey, carriage	6 00	
M. G. Staples, teaming	50	
Thorpe's Express, expressing	2 15	
American Express Co., expressing	2 05	
E. R. Perham, expressing	1 00	
	<hr/>	
	\$66,530 65	
Excess and Deficiency, balance to credit of account	6,044 75	
	<hr/>	
		\$72,575 40
		<hr/> <hr/>

Powder-House Boulevard.

CREDIT.

Balance from 1901	\$3 10
Cash, received of Sidewalks Construction account, circles	32 33
	<hr/>
	\$35 43

DEBIT.

Cash, paid Highways Maintenance account, rolling	\$35 43
	<hr/> <hr/>

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

CREDIT.

Appropriations, from Taxes, 1902	\$3,200 00
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DEBIT.

Cash, paid Thomas Groom & Co., stationery	\$16 60
Little, Brown & Co., revised laws	7 00
Somerville Journal Co, printing annual reports, etc.	2,955 26
G. H. Walker & Co., maps	100 00
E. R. Perham, express	15
	<hr/>
	\$3,079 01

Excess and Deficiency, balance to credit of account	120 99
	<hr/>

\$3,200 00

Property and Debt Balance.

CREDIT.

Balance from 1901		\$2,048,116 82
Public Property, property acquired in 1902		93,268 16
Reduction of Funded Debt, bonds paid		142,000 00
Renewal of Funded Debt, bonds paid		17,000 00
		<hr/>
		\$2,300,384 98

DEBIT.

Appropriations, amount borrowed on		
Funded Debt account	\$175,000 00	
Balance to credit of account, 1903	2,125,384 98	
	<hr/>	\$2,300,384 98
		<hr/>

Prospect Hill Park (Construction).

CREDIT.

Balance from 1901		\$7,500 00
Appropriations, from Funded Debt, 1902		8,000 00
Cash, received of Highways, Construction		
Munroe Street and Stone Avenue ac-		
count, removing material	\$3,000 00	
Highways Construction account, filling	78 50	
Charles M. Berry, old house	10 00	
	<hr/>	3,088 50
		<hr/>
		\$18,588 50

DEBIT.

Cash, paid T. F. Crimmings and John F.		
Elkins, on account of contract	\$13,612 88	
S. & R. J. Lombard, edgestones	1,336 87	
Waldo Brothers, cement	494 47	
Thomas Allen, concreting	517 82	
George R. Dugad & Co., labor	22 40	
Arthur C. Gordon, painting fence	14 00	
Wilbur P. Rice, stakes	12 25	
F. C. Ayer, lumber	73 56	
George A. Walker, signs	9 00	
Whitney & Snow, hardware	122 11	
I. H. Brown Moulding Co., sawing	57	
Fulton O'Brion, grain	27 41	
C. W. Stevens, labor and materials	139 98	
I. B. Walker, rods	8 20	
T. F. McGann & Sons Co., iron fence	718 75	
Somerville Journal Co., advertising	2 00	
Ernest W. Bowditch, services	100 00	
James Tevlin, teaming	57 39	
E. J. Lyons, delivering granite	412 00	
W. J. McCarthy, teaming	200 00	
Laborers	21 00	
City of Somerville, water services	89 00	
City Engineer's account, services	85 00	
Highways Maintenance account, crushed		
stone	7 50	
Public Grounds account, labor	503 00	
	<hr/>	\$18,587 16
Balance to credit of account, 1903	1 34	
	<hr/>	<hr/>

\$18,588 50

Public Buildings Construction, City Hall Annex Improvement.

CREDIT.

Excess and Deficiency account, amount transferred . . .	\$600 00
Public Library Addition account, amount transferred . . .	55 02
	<hr/>
	\$655 02

DEBIT.

Cash, paid C. W. Stevens, on account of contract	\$610 00
Howe & Flint, steamfitting	22 09
Armstrong Brothers, plumbing	18 60
Electric Gas Lighting Co., electrical supplies	4 33
	<hr/>
	\$655 02
	<hr/> <hr/>

Public Buildings Construction, City Hall Portico.

CREDIT.

Contagious Disease Hospital account, amount transferred . . .	\$641 37
Public Library Addition account, amount transferred . . .	858 63
	<hr/>
	\$1,500 00

DEBIT.

Cash, paid G. F. Matthews, on account of contract constructing portico	\$1,238 00
copper gutter and connecting	46 81
extra work	46 12
B. L. Makepeace, blue prints	1 39
	<hr/>
	\$1,332 32
Public Buildings Construction, Schoolhouse in Ward Seven account, amount transferred	167 68
	<hr/>
	\$1,500 00
	<hr/> <hr/>

Public Buildings Construction, Morse School Sanitary Improvement.

CREDIT.

Public Buildings Construction, Schoolhouse in Ward Seven account, amount transferred	\$2,000 00
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DEBIT.

Cash, paid Armstrong Brothers, on account of contract	\$1,859 00
Public Buildings Construction, Schoolhouse in Ward Seven account, amount transferred	141 00
	<hr/>
	\$2,000 00
	<hr/> <hr/>

**Public Buildings Construction, Schoolhouse in
Ward One.**

CREDIT.		
Balance from 1901		\$27,488 82
Appropriations, from Funded Debt, 1902		8,000 00
Public Library Addition account, amount transferred		406 70
		<u>\$35,895 52</u>
DEBIT.		
Cash, paid George M. Davis & Son, on account of contract	\$27,100 00	
Alexander Duncan & Co., on account of contract	5,139 00	
Armstrong Brothers, contract for plumbing	2,075 00	
Joseph R. Doherty, partial purchase of land	133 33	
Knott & Co., gas fixtures	53 88	
B. L. Makepeace, blue prints	4 00	
George W. Manning, repairing flag staff	14 50	
William Cullan, labor	12 00	
I. B. Walker, iron work	2 15	
Chandler Adjustable Chair & Desk Works, furniture	996 19	
Somerville Journal Co., printing	6 00	
Glines & Co., expressing	57 41	
City of Somerville, taxes of 1901	11 13	
	<u>\$35,604 59</u>	
Balance to credit of account, 1903	290 93	<u>\$35,895 52</u>

**Public Buildings Construction, Schoolhouse in
Ward Seven.**

CREDIT.		
Appropriations, from Funded Debt, 1902		\$34,000 00
Public Buildings Construction, City Hall Portico account, amount transferred		167 68
Public Buildings Construction, Morse School Sanitary Improvement account, amount transferred		141 00
Public Buildings Construction, Shed at City Home account, amount transferred		7 82
		<u>\$34,316 50</u>
DEBIT.		
Cash, paid Frederick C. Alexander, on account of contract	\$4,246 50	
Jacob Fottler & Warren M. Draper, land on Morrison avenue	3,500 00	
B. L. Makepeace, blue prints	18 60	
Slade & Crawford, copies of specifications	27 00	
Wadsworth, Howland, & Co., stationery	9 20	
	<u>\$7,801 30</u>	
Amounts carried forward	\$7,801 30	<u>\$34,316 50</u>

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Amounts brought forward	\$7,801 30	\$34,316 50
Glines & Co., expressing	15	
	<hr/>	
	\$7,801 45	
Public Buildings Construction, Morse School Sanitary Improvement account, amount transferred	2,000 00	
	<hr/>	
	\$9,801 45	
Balance to credit of account, 1903	24,515 05	
	<hr/>	
		<u>\$34,316 50</u>

Public Buildings Construction, Shed at City Home.

CREDIT.		
Balance from 1901		\$7 82
DEBIT.		
Public Buildings Construction, Schoolhouse in Ward Seven account, amount transferred		\$7 82
		<hr/>
		<hr/>

Public Buildings Maintenance, Armory.

CREDIT.		
Highways Construction account, amount transferred		\$400 00
Amount allowed by Commonwealth of Massachusetts, armory rent		300 00
		<hr/>
		\$700 00
DEBIT.		
Cash, paid James W. Colgan, rent of hall	\$150 00	
George E. Jacobs, rent of hall	115 00	
Martin H. Hathaway, rent of hall	15 00	
	<hr/>	
	\$280 00	
Excess and Deficiency, balance to credit of account	420 00	
	<hr/>	
		<u>\$700 00</u>

Public Buildings Maintenance, City Hall.

CREDIT.		
Appropriations, from Taxes, 1902		\$3,500 00
DEBIT.		
Cash, paid Irwin G. Felt, janitor	\$804 00	
George H. Griffin, night janitor	840 00	
W. B. Higgins, substitute janitor	28 00	
John Kelley, substitute janitor	30 00	
Luther T. Allen, shade	2 50	
A. E. Googins, floor oil	1 00	
E. Schuebeler, cheese cloth	4 05	
L. E. Clayton, cheese cloth	50	
	<hr/>	
Amounts carried forward	\$1,710 05	<u>\$3,500 00</u>

Amounts brought forward	\$1,710 05	\$3,500 00
James Bartley, soap, etc.	3 45	
Lawler & Freeto, soap, paper, etc.	3 70	
Shepard, Clark, & Co., supplies	26 20	
Mrs. A. H. Wood, repairing flag	2 00	
Somerville Electric Light Co., lighting	806 87	
fan motors and supplies	50 22	
Electric Gas Lighting Co., supplies	13 07	
Cambridge Gas Light Co., lighting	1 00	
M. F. Underwood, electrical supplies	5 50	
Herbert Wood, lock work	5 85	
Wellington-Wild Coal Co., fuel	375 56	
Thomas McNee, roofing	5 35	
H. P. Tibbetts, carpentering	44 53	
G. F. Matthews, carpentering	19 86	
B. E. Higgins, mason work	15 50	
Damon Safe & Iron Works, labor on safe	5 00	
Underhill Hardware Co., setting glass, etc.	15 01	
Whitney & Snow, hardware	12 35	
W. E. Plumer & Co., hardware	27 67	
W. J. Fermoye, painting and glazing	35 25	
W. S. Howe, plumbing	26 76	
H. W. Covell, plumbing	11 65	
A. A. Sanborn, steamfitting	9 30	
Howe & Flint, repairing	1 95	
William Hall & Co., repairing	5 00	
F. W. Farrar, repairing clock	6 00	
W. F. Flemming, cane seats	8 50	
Derby Desk Co., cane seats	14 50	
W. B. Badger & Co., desk	34 20	
Jones, McDuffee, & Stratton, water cooler	5 50	
Union Square Furniture Co, tumblers	50	
F. T. Lord Polish Co., brass polish	6 25	
M. A. Mann, laundering	24 00	
W. J. McCarthy, gravel	30 00	
	<hr/>	
	\$3,368 10	
Excess and Deficiency, balance to credit of account	131 90	
	<hr/>	
		\$3,500 00
		<hr/> <hr/>

Public Buildings Maintenance, City Hall Annex.

CREDIT.

Appropriations, from Taxes, 1902	\$750 00
Excess and Deficiency, balance to debit of account	189 03
	<hr/>
	\$939 03

DEBIT.

Cash, paid James H. Chase, janitor	\$420 00
W. F. Flemming, repairing furniture	3 00
Higgin Mfg. Co., screens	21 85
H. A. Wheeler & Co., awnings	38 50
Electric Gas Lighting Co., supplies	9 09
Somerville Electric Light Co., lighting	41 23
	<hr/>
Amounts carried forward	\$533 67
	\$939 03

Amounts brought forward	\$533 67	\$939 03
M. F. Underwood, electric work	3 50	
Wellington-Wild Coal Co., fuel	194 37	
C. L. Underhill, repairs	1 25	
F. W. Farrar, repairing clocks	3 00	
Hartford Steam Boiler Inspection & Insurance Co., insurance	50 00	
A. A. Sanborn, steamfitting	18 62	
C. W. Stevens, plastering and sink	42 31	
Underhill Hardware Co., hardware	6 05	
F. C. Ayer, lumber	8 23	
G. F. Matthews, carpentering	17 11	
Thomas McNea, roofing	25 40	
Armstrong Brothers, plumbing	14 27	
D. P. Bucknam, repairing fire box	8 10	
Jarvis Engineering Co., grates	12 40	
H. Wood, keys	40	
Glines & Co., expressing	35	
	<hr/>	<hr/> <hr/>
		\$939 03

Public Buildings Maintenance, Fire Department.

CREDIT.

Appropriations, from Taxes, 1902	\$3,800 00
Excess and Deficiency, balance to debit of account	1,808 61
	<hr/>
	\$5,608 61

DEBIT.

Cash, paid Cambridge Gas Light Co., gas	\$178 30
Charlestown Gas & Electric Co., gas	43 32
Somerville Electric Light Co., lighting	820 19
Electric Gas Lighting Co., supplies	8 93
Wellington-Wild Coal Co., fuel	1,297 03
Braman, Dow & Co., steamfitting	10 81
Edward Kendall & Sons, steamfitting	6 49
J. A. Durell, repairing	122 05
Howe & Flint, repairing	25 81
W. J. Kennedy, plumbing	18 05
W. L. Snow & Co., plumbing	10 86
G. H. Maynard, plumbing	4 80
W. S. Howe, plumbing	442 89
Armstrong Brothers, plumbing	11 54
Hutchinson & Gethin, gas fitting	14 43
S. D. Hicks & Son, repairing boiler	7 90
L. A. Wright, plates	4 00
J. B. Rufer, iron work	2 50
W. E. Plumer & Co., hardware	18 60
E. S. Sparrow & Co., hardware	64 02
Underhill Hardware Co., hardware	122 57
Whitney & Snow, hardware	3 00
W. J. Fermoyle, varnishing	8 70
F. E. Cushing, painting	266 25
G. H. Crosby, painting	13 75
George F. Hughes, painting	9 11
J. H. Pattee, painting and glazing	152 00
G. F. Matthews, carpentering	357 15
	<hr/>
Amounts carried forward	\$4,045 05
	<hr/> <hr/>
	\$5,608 61

Amounts brought forward	\$4,045 05	\$5,608 61
G. D. B. Robinson, carpentering	49 02	
H. P. Tibbetts, carpentering	196 25	
J. F. Walker, carpentering	20 62	
Lynn Stall Co., repairing floors	31 30	
W. A. Snow & Co., stall floors	55 20	
William T. Henderson, repairing stable	30 00	
C. L. Underhill, iron work	10 00	
R. W. Doe, furnace work	7 70	
William S. Howe & Co., grate	2 00	
Thomas McNee, roofing	145 80	
Pattee Co., repairing ceiling	7 25	
Thomas Dowd, tinting ceilings	25 00	
George A. Darrah, plastering	111 35	
C. F. Hovey & Co., crash	57 21	
Union Square Furniture Co., furniture and bedding	290 60	
W. B. Badger & Co., desk	15 00	
William F. Eccles, mattresses	19 50	
Marshall-street Pharmacy, drugs	60	
W. H. Bullard, soap, etc.	4 75	
F. E. Fitts Mfg. & Supply Co., brushes	2 62	
H. Wood, keys	20	
F. W. Kimball, trap doors	10 00	
George W. Manning, labor on flag staff	41 75	
F. C. Ayer, lumber	4 87	
Gilman Express Co., expressing	1 50	
City of Somerville, highway assessment	49 80	
Highways Maintenance account, paving driveway	373 67	
	<hr/>	<hr/>
		\$5,608 61

Public Buildings Maintenance, Health Department.

CREDIT.

Appropriations, from Taxes, 1902	\$500 00
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DEBIT.

Cash, paid Arthur W. Berry, carpentering	\$131 71
Thomas McNee, repairing roof	11 85
H. S. Angus & Son, lumber	76 30
F. C. Ayer, lumber	8 32
W. L. Snow Co., plumbing	41 30
Somerville Electric Light Co., lighting	72 50
Electric Gas Lighting Co., supplies	2 37
Wellington-Wild Coal Co., fuel	27 81
	<hr/>
	\$372 16

Excess and Deficiency, balance to credit of account	127 84
	<hr/>

\$500 00

Public Buildings Maintenance, Highways.

CREDIT.

Appropriations, from Taxes, 1902	\$400 00
Cash, received of Thomas Ormond, rent	\$78 00
	<hr/>

Amounts carried forward	\$78 00	\$400 00
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Amounts brought forward	\$78 00	\$400 00
Arthur Murley, rent	64 00	
	<hr/>	142 00
		<hr/>
		\$542 00

DEBIT.

Cash, paid Somerville Electric Light Co., lighting	\$103 59	
John Stackpole, carpentering	78 41	
Underhill Hardware Co., glass	8 52	
	<hr/>	
	\$190 52	
Excess and Deficiency, balance to credit of account	351 48	
	<hr/>	
		\$542 00
		<hr/> <hr/>

Public Buildings Maintenance, Police.

CREDIT.

Appropriations, from Taxes, 1902	\$3,000 00
Amount allowed by Commonwealth of Massachusetts, armory rent	400 00
Cash, received of J. O. Hayden, county treasurer, rent of court room	600 00
	<hr/>
	\$4,000 00

DEBIT.

Cash, paid Frank Miller, services as janitor	\$850 00	
A. Robinson, night janitor	204 00	
Edwin B. Price, janitor	58 00	
M. P. Canfield, care of grounds	13 75	
Cambridge Gas Light Co., gas	492 00	
Somerville Electric Light Co., lighting	216 67	
Electric Gas Lighting Co., supplies	21	
Gas Consumers' Association, gas regula- tion	24 00	
Wellington-Wild Coal Co., fuel	470 93	
H. W. Covell, plumbing	7 40	
Howe & Flint, plumbing	78 48	
W. S. Howe, plumbing	11 09	
W. E. Plumer & Co., hardware	9 75	
Whitney & Snow, hardware	50 56	
G. D. B. Robinson, putting on windows	26 77	
C. A. Slager, setting glass	3 25	
G. M. Fortin, setting glass	3 15	
I. B. Walker, repairs	5 25	
Union Square Furniture Co., furniture	13 25	
A. C. Lyman, repairing furniture	23 89	
Derby Desk Co., repairing platform	19 25	
W. B. Badger & Co., desks	90 00	
Gutta Percha & Rubber Mfg. Co., mat- ting	57 12	
Flynn Brothers, repairing chair	2 00	
C. W. Lerner & Co., disinfectant	75 00	
G. W. Manning, trucks	10 78	
	<hr/>	
Amounts carried forward	\$2,816 55	\$4,000 00

Amounts brought forward	\$2,816 55	\$4,000 00
Mrs. A. H. Wood, mending flag	2 00	
H. Wood, sharpening mower	1 25	
A. F. McMillan, furnace work	27 54	
A. A. Sanborn, steam fitting	6 90	
Andrews & Andrews, asbestos covering	70 91	
	<hr/>	
	\$2,925 15	
Excess and Deficiency, balance to credit of account	1,074 85	
	<hr/>	
		<u>\$4,000 00</u>

Public Buildings Maintenance, Public Grounds.

CREDIT.

Appropriations, from Taxes, 1902		\$50 00
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DEBIT.

Cash, paid Wellington-Wild Coal Co., fuel	\$21 78	
Excess and Deficiency, balance to credit of account	28 22	
	<hr/>	
		<u>\$50 00</u>

Public Buildings Maintenance, Public Library.

CREDIT.

Appropriations, from Taxes, 1902		\$3,500 00
Cash, received of W. S. Howe, old junk		4 00

		<hr/>
		\$3,504 00
Excess and Deficiency, balance to debit of account		673 59

\$4,177 59

DEBIT.

Cash, paid Charles A. Southwick, services as janitor	\$1,000 00	
Charles A. Southwick, Jr., services as janitor	26 00	
Alice M. Thornton, labor	134 00	
Cambridge Gas Light Co., gas	81 40	
Electric Gas Lighting Co., supplies	37 91	
Somerville Electric Light Co., lighting	1,751 97	
M. F. Underwood, electric work	4 12	
H. G. White, electric work	28 66	
Wellington-Wild Coal Co., fuel	463 23	
Union Glass Co., globe	1 50	
Derby Desk Co., furniture	4 25	
Paine Furniture Co., furniture	6 50	
Doten-Dunton Desk Co., chair	5 50	
W. F. Flemming, repairing furniture	6 00	
Howe & Flint, gas fitting	16 16	
W. E. Plumer & Co., hardware	50	
Underhill Hardware Co., hardware	39 58	
Whitney & Snow, hardware	75	
G. H. Maynard, plumbing	1 55	
	<hr/>	
Amounts carried forward	\$3,609 58	<u>\$4,177 59</u>

Amounts brought forward	\$3,609 58	\$4,177 59
A. H. Hines, mason work	6 85	
A. A. Sanborn, steam fitting	5 90	
G. F. Matthews, carpentering	393 26	
Thomas McNee, roofing	25 40	
G. A. Walker, painting	6 60	
D. P. Bucknam, repairing fire box	7 50	
Hartford Steam Boiler Inspection & In- surance Co., insurance	50 00	
H. A. Wheeler & Co., awnings	50 00	
Providence Ideal Ventilating Co., venti- lators	15 30	
Gutta Percha & Rubber Co., mat	7 20	
	<hr/>	<hr/>
		\$4,177 59

Public Buildings Maintenance, Schoolhouses.

CREDIT.

Appropriations, from Taxes, 1902		\$45,500 00
Cash, received of J. W. Pitcher, old shed	\$15 00	
N. H. Reed & Son, old iron	58 00	
	<hr/>	<hr/>
		73 00
		<hr/>
		\$45,573 00
Excess and Deficiency, balance to debit of account		1,470 16
		<hr/>
		\$47,043 16

DEBIT.

Cash, paid janitors' salaries	\$20,776 88	
John H. Adcock, plumbing	28 23	
Edwin Connell, plumbing	11 91	
J. E. Parsons, plumbing	12 61	
G. H. Maynard, plumbing	15 70	
H. W. Covell, plumbing	63 56	
W. S. Howe, furnace work and plumbing	782 95	
W. L. Snow Co., plumbing and hardware	117 97	
E. S. Sparrow & Co., hardware	26 41	
Underhill Hardware Co., hardware	255 56	
W. E. Plumer & Co., hardware	257 51	
Whitney & Snow, hardware	353 91	
T. A. Sallaway, hardware	15 85	
J. E. Bell, slating	219 49	
Thomas McNee, roofing	1,137 21	
E. Horne, mason work	3 85	
F. C. Alexander, mason work	102 65	
A. H. Hines, mason work	1 35	
D. P. Bucknam, mason work	276 55	
Arthur W. Berry, fence	110 57	
C. W. Stevens, repairing fence	141 89	
T. Allen, concreting	12 00	
J. H. Fannon, concreting	504 25	
Charles E. Berry, making rake	6 45	
Howe & Flint, furnace work	127 89	
William S. Howe & Co., furnace work	21 64	
J. W. Johnson, furnace work	26 25	
A. F. McMillan, furnace work	137 00	
	<hr/>	<hr/>
Amounts carried forward	\$25,548 09	\$47,043 16

Amounts brought forward	\$25,548 09	\$47,043 16
J. B. Rufer, iron work	2 35	
I. B. Walker, iron work	21 73	
J. H. Thompson, iron work	1 00	
D. P. Bucknam, repairing fire box	72 20	
Barbour, Stockwell Co., castings	75	
Boston Feather Duster Co., dusters	129 36	
Charles A. Austin Brush Co., dusters	17 60	
Murphy, Leavens Co., brushes	52 35	
W. G. Hallock, brushes	34 00	
R. C. Burckes, setting glass	6 25	
F. H. Hilling, setting glass	6 60	
F. N. Smith, setting glass	10 50	
J. Q. Twombly, setting glass	4 15	
J. F. Berton, setting glass	10 35	
J. T. Crosby, setting glass	18 00	
John T. Sellon, setting glass	9 85	
J. B. Boynton, setting glass	17 55	
B. E. Ellsworth & Co., setting glass	8 40	
A. C. Gordon, setting glass	26 55	
Boston Steam Pump Repair & Supply Co., repairing pump	92 50	
Knowles Steam Pump Works, repairing pump	18 26	
Bradlee & Chatman, steam fitting	58 69	
Isaac Coffin & Co., steam fitting	211 09	
A. A. Sanborn, steam fitting	455 33	
Falls Rivet & Machine Co., supplies	50	
Hutchinson & Gethin, repairing hinge, etc.	4 35	
Charlestown Gas & Electric Co., gas	293 66	
Cambridge Gas Light Co., gas	610 20	
Electric Gas Lighting Co., supplies	150 99	
Gas Consumers' Association, gas regu- lation	40 00	
Somerville Electric Light Co., lighting	825 32	
rent of fans	60 00	
motor, etc.	708 06	
Chandler Adjustable Chair & Desk Works, furniture	1,111 20	
George S. Perry & Co., furniture	29 40	
Derby Desk Co., furniture	221 35	
Herwood Brothers & Wakefield Co., fur- niture	108 06	
Kenney Brothers & Wolkins, furniture	24 00	
Allen, Totman Co., furniture	79 50	
W. B. Badger & Co., furniture	18 23	
W. F. Flemming, repairing furniture	58 80	
Union Square Furniture Co., furniture moving	206 24	
D. L. Wood, furniture moving	89 40	
M. G. Staples, furniture moving	4 00	
J. A. Durell, gas fitting	288 92	
Knott & Co., gas fitting	42 12	
Alexander Duncan & Co, steam fitting	161 18	
Fred W. Farrar, clock work	78 70	
David W. Skinner, clock work	23 00	
Moulton C. Libbey, clock work	13 00	
Herbert Wood, keys and sharpening tools	27 85	
Amounts carried forward	\$32,111 53	\$47,043 16

Amounts brought forward	\$32,111 53	\$47,043 16
M. F. Underwood, keys	50 99	
James Young, labor	5 60	
A. J. Wilkinson & Co., sawed brass	44	
W. J. Fermoyle, painting and glazing	129 95	
N. L. Pennock, painting	13 00	
Driscoll & Jones, painting	46 10	
Henry H. Mayville, painting	22 50	
G. A. Walker, painting	141 35	
Allen Shade Holder Co., shade holders	23 50	
Luther T. Allen, shades	219 40	
M. L. King, oil	48	
C. E. Delano, oil	55	
Russell & Co., oil	1 32	
P. Sutherland & Co., oil and waste	89 69	
Sanitas Co., disinfectant	52 00	
Thomas Groom & Co., books and stationery	10 75	
A. T. Thompson & Co., rheostats	24 00	
S. H. Couch Co., phone	5 50	
Warren Hallett, carpentering	791 00	
G. F. Matthews, carpentering	537 69	
Harris P. Tibbetts, carpentering	217 77	
A. M. Waining, carpentering	208 75	
Arthur W. Berry, carpentering	17 05	
George M. Davis & Son, contract	119 00	
M. Harrington, salt	60	
Joseph K. James, cleaning material	6 00	
Lever Brothers (Limited), soap powder	26 63	
Lawler & Freeto, soap	1 21	
Hartford Steam Boiler Inspection & Insurance Co., insurance	50 00	
Wellington-Wild Coal Co., fuel	10,711 00	
North Packing & Provision Co., ashes	15 00	
E. S. Kearney, saw dust	22 25	
W. H. Bullard, oil and barrels	3 60	
F. A. Higgins, jars	6 25	
F. F. Goodnow & Co., ladder	1 50	
Dodge, Haley & Co., bolts	1 01	
John M. Woods Co., lumber	84 12	
F. C. Ayer, lumber	12 82	
I. H. Brown Moulding Co., moulding	10 38	
Henry K. Barnes, making belt	4 93	
Cutter, Wood & Stevens Co., pulley	4 20	
Blodgett Brothers & Co., electric work	17 62	
Johnson Electric Service Co., heat regulating	73 55	
Frank O. Johnson, gas supplies	65 34	
New England Roller Grate Co., grates	144 00	
Continental Grate Co., grates	56 00	
Braman, Dow & Co., water gauge	2 50	
D. McIntire, loam	2 50	
Patrick Bowden, care of grounds	242 50	
Patrick Burke, grading	50 00	
John Silk, sods	5 50	
George S. Miller, labor	3 00	
John Kelley, labor	3 50	
George W. Manning, splicing halliards, etc.	69 87	
Amounts carried forward	<u>\$46,537 29</u>	<u>\$47,043 16</u>

Amounts brought forward	\$46,537 29	\$47,043 16
Mrs. A. H. Wood, repairing flags	3 50	
Sarah A. Durgan, flags	18 00	
Henry A. Wheeler & Co., ensigns	6 00	
George F. Hughes, staining	30 05	
George S. Miller, whitening	25 50	
E. O. Arnold & Co., carpet cleaning	27 99	
Gracey & Potter, carpet cleaning	2 70	
George F. Hurn & Co., carpet cleaning	15 04	
S. H. Whitcomb, carpet cleaning	2 00	
Glines & Co., expressing	6 30	
Highways Maintenance account, teaming coal and grading	248 25	
Highways, Removing Brown-tail Moths account, labor removing moths	37 75	
Water Maintenance account, replacing service	82 79	
	<hr/>	<hr/> <hr/>
		\$47,043 16

Public Buildings Maintenance, Sewer Department.

CREDIT.		
Appropriations, from Taxes, 1902		\$50 00
DEBIT.		
Cash, paid F. C. Ayer, lumber	\$18 12	
H. N. Johnson, carpentering	11 87	
Wellington-Wild Coal Co., fuel	19 00	
W. L. Snow Co., twine	15	
	<hr/>	
	\$49 14	
Excess and Deficiency, balance to credit of account	86	
	<hr/>	<hr/> <hr/>
		\$50 00

Public Buildings Maintenance, Support of Poor.

CREDIT.		
Appropriations, from Taxes, 1902		\$500 00
Excess and Deficiency, balance to debit of account		371 41
		<hr/>
		\$871 41
DEBIT.		
Cash, paid Somerville Electric Light Co., lighting	\$221 18	
supplies	90	
Cambridge Gas Light Co., gas	11 00	
Wellington-Wild Coal Co., fuel	100 43	
M. F. Underwood, electric work	1 37	
E. S. Sparrow & Co., hardware	1 00	
Howe & Flint, plumbing	81 55	
C. W. Cahalan, plumbing	220 00	
W. S. Howe, plumbing	1 30	
W. L. Snow Co., repairing boiler	23 94	
Highland Coal Co., cement	2 40	
Harris P. Tibbetts, carpentering	47 14	
John Stackpole, fence	140 36	
Frederick G. Jones, painting	18 84	
	<hr/>	<hr/> <hr/>
		\$871 41

Public Buildings Maintenance, Water Department.

CREDIT.

Appropriations, from Taxes, 1902		\$100 00
Excess and Deficiency, balance to debit of account		33 95
		<hr/>
		\$133 95

DEBIT.

Cash, paid Somerville Electric Light Co., lighting	\$76 14	
supplies	1 70	
Arthur W. Berry, carpentering	1 60	
G. F. Matthews, carpentering	48 00	
J. P. Wahlstrom & Son, setting glass	2 50	
William S. Howe, dippers	16	
W. L. Snow Co., paint	3 85	
	<hr/>	
		\$133 95
		<hr/> <hr/>

Public Grounds.

CREDIT.

Appropriations, from Taxes, 1902		\$9,500 00
Cash, received of Boston Elevated Railway Co., maintenance Broadway parkway, 1900 . . . \$50 00		
Maintenance Broadway park- way, 1901 50 00		
	<hr/>	\$100 00
Prospect Hill Park account, labor	503 00	
Public Grounds, Athletic Apparatus ac- count, rings, bolts, etc.	9 95	
Public Grounds, Athletic Field in Ward Seven account, labor	599 05	
	<hr/>	1,212 00
		<hr/>
		\$10,712 00

DEBIT.

Cash, paid laborers	\$7,185 29	
J. A. Durell, hardware	29 44	
Whitney & Snow, hardware	225 31	
Underhill Hardware Co., hardware	56 40	
E. S. Sparrow & Co., hardware	77 75	
Bliss Brothers, hardware	2 77	
W. E. Plumer & Co., hardware	6 17	
H. L. Frost & Co., labor destroying brown-tail moths	77 50	
P. Burke, grading and sodding	54 94	
The Gutta Percha & Rubber Mfg. Co., hose	11 00	
J. W. Howard, plants and labor	1,123 29	
F. C. Ayer, lumber	171 36	
C. W. Stevens, lumber	160 00	
Thomas Allen, concreting	23 85	
James Tevlin, teaming	189 00	
G. F. McKenna, teaming	55 00	
McCarthy & Gill, labor and teaming	345 09	
G. W. Prichard, use of horse	110 00	
	<hr/>	
Amounts carried forward	\$9,904 16	\$10,712 00

Amounts brought forward	\$9,904 16	\$10,712 00
Warren Brothers Co., rent of steam roller	70 00	
I. K. Kimball & Co., settee slats	12 00	
M. D. Jones & Co., settees	41 00	
Waldo Brothers, tiles, etc.	18 40	
American Net & Twine Co., back stop net	1 50	
Highland Coal Co., lime	1 90	
H. W. Covell, plumbing	7 10	
Mrs. A. H. Wood, repairing flags	4 00	
G. W. Manning, labor	52 25	
Charles E. Berry, labor, etc.	11 05	
T. F. Crimmings, plowing	28 00	
H. Wood, repairing tools	36 60	
I. B. Walker, repairing tools	20 55	
L. A. Wright, repairing tools	4 60	
F. Dooris, repairing tools	8 75	
C. L. Underhill, repairing tools	3 75	
George O. W. Servis, photographs	11 00	
Spalding Mfg. Co., ladder	10 29	
Wright & Ditson, athletic goods	13 50	
A. Goldstein, boots and repairs	7 30	
George G. Page Box Co., sawdust	2 00	
New England Dressed Meat & Wool Co., ashes	6 25	
W. H. Berton, painting	52 80	
J. F. Berton, painting	11 55	
Z. E. Cliff, lumber, etc.	16 08	
Belding Brothers, fence	46 10	
D. J. Bennett, harness work	15 75	
William T. Henderson, brace, hook and chain	3 25	
George E. Lowell, carriage hire	7 00	
Bucknam & McCarthy, suppers for committee	17 50	
J. H. Thompson, use of brake	15 00	
Hobart S. Palmer, grain	2 01	
G. A. Walker, signs	21 00	
Leopold Morse & Co., suit and cap, etc.	39 45	
Gilman Express Co., expressing	50	
American Express Co., expressing	45	
City of Somerville, water service pipe	140 25	
Highways Maintenance account, crushed stone	16 87	

\$10,681 51

Excess and Deficiency, balance to credit of account 30 49

\$10,712 00

Public Grounds, Athletic Apparatus.

CREDIT.

Balance from 1902 \$11 45

DEBIT.

Cash, paid I. B. Walker, iron work \$1 50
 Public Grounds account, rings, bolts, etc. 9 95

\$11 45

Public Grounds, Athletic Field in Ward Seven.

CREDIT.		
Balance from 1902		\$2,246 05
Appropriations, from Funded Debt, 1902		1,000 00
		<u>\$3,246 05</u>
DEBIT.		
Cash, paid McCarthy & Gill, grading	\$765 80	
Clarence W. Stevens, fence and labor	1,132 20	
grand stand	124 28	
gates	40 74	
F. C. Ayer, lumber	429 11	
J. F. Berton, painting	38 30	
Thomas H. Naughton, plumbing	66 62	
E. S. Sparrow & Co., hardware	49 95	
Public Grounds account, labor, materials, etc.	599 05	
		<u>\$3,246 05</u>

Public Grounds, Glen Street Addition.

CREDIT.		
Appropriations, from Funded Debt, 1902		\$800 00
DEBIT.		
Balance to credit of account, 1903		\$800 00
		<u>\$800 00</u>

Public Grounds, Land for Park Purposes.

CREDIT.		
Balance from 1901		\$240 30
DEBIT.		
Public Grounds, Land on Prospect Hill account, amount transferred		\$240 30
		<u>\$240 30</u>

Public Grounds, Land on Prospect Hill for Park Purposes.

CREDIT.		
Balance from 1901		\$3,680 00
Apropiations, from Funded Debt, 1902		13,500 00
Public Grounds, Land for Park Purposes account, amount transferred		240 30
		<u>\$17,420 30</u>
DEBIT.		
Cash, paid John Stackpole, estimate taking land	\$10 00	
Mary E. Jones, land and building	13,500 00	
taxes on same, 1901	143 18	
John W. Vinal, damages	1,280 51	
Philip Eberle, damages	2,215 09	
City of Somerville, taxes of 1901 assessed to Lydia E. Hutchinson	139 92	
	<u>\$17,288 70</u>	
Balance to credit of account, 1903	131 60	
		<u>\$17,420 30</u>

Public Library.

CREDIT.

Balance from 1901		\$220 75
Appropriations, from Taxes, 1902		14,500 00
Cash, received of county treasurer, return on amount received of the city for dog licenses in 1901	\$3,230 95	
Sam Walter Foss, librarian, fines	716 89	
A. L. Cadwell, money not called for	4 75	
E. B. Hall & Co., bill previously paid	10 00	
	<hr/>	3,962 59
		<hr/>
		\$18,683 34

DEBIT.

Cash, paid Sam Walter Foss, salary as li- brarian	\$2,500 00	
disbursements	79 09	
Adele Smith, assistant librarian	700 00	
F. Mabel Norcross, cataloguer	600 00	
Esther M. Mayhew, assistant cataloguer	528 20	
Anna L. Stone, assistant	500 00	
Mary J. Warren, assistant	500 00	
Mabel E. Bunker, assistant	583 20	
Mary S. Woodman, assistant	500 00	
Edith B. Hayes, assistant	500 00	
Florence D. Hurter, assistant	408 34	
Bessie L. Duddy, assistant	383 34	
Nellie M. Whipple, assistant	266 64	
Alice W. Sears, assistant	150 12	
Charles F. Shepard, assistant	154 60	
Gardner Stacy, assistant	256 21	
David Countway, assistant	139 31	
Joseph Story, assistant	107 85	
Charles A. Perry, assistant	56 58	
George Manchester, assistant	4 30	
Stuart Dean, assistant	23 30	
N. J. Bartlett & Co., books	41 00	
E. M. Berlin, books	1 35	
Oliver Ditson Co., music books	203 45	
Dodd, Mead & Co., books	31 60	
E. P. Dutton, books	2 68	
W. A. Greenough & Co., directories	6 00	
E. B. Hall & Co., books	50 00	
William B Harrison, books	3 50	
H. S. Inman, books	40 00	
Charles E. Lauriat Co., books	189 31	
Lee & Shepard, books	34 62	
Little, Brown & Co., books	3,077 78	
George E. Littlefield, books	102 90	
Macmillan Co., books	43 23	
National Conference of Charities & Cor- rection, books	1 25	
National Education Association, books	2 00	
F. A. Ober, books	3 80	
G. T. Ridlon, books	5 00	
George Routledge & Son, books	1 62	
Charles Scribner's Sons, books	67 58	
	<hr/>	
Amounts carried forward	\$12,849 75	\$18,683 34

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Amounts brought forward	\$12,849 75	\$18,683 34
Samuel Austen, books	9 26	
Mrs. E. S. Brooks, books	48 62	
D. C. Heath & Co., books	3 28	
C. F. Libbie & Co., books	108 85	
Methodist Book Concern, books	1 46	
John Moore, books	7 25	
G. P. Putnam's Sons, books	10 98	
Architectural Reproduction, books	2 50	
O. N. Babcock, books	9 00	
A. S. Clark, books	33 00	
Desmond Publishing Co., books	252 00	
C. H. Engle, books	1 08	
R. B. Graham, books	6 62	
Francis P. Harper, books	9 00	
Charles C. Haskell, books	2 25	
Hinds & Noble, books	5 60	
Henry R. Johnson, books	1 50	
J. Mallman, books	5 00	
Fleming H. Revell Co., books	94	
Frederick Starr, books	14 25	
Virtue Co., books	17 50	
A. Wessells Co., books	2 41	
James H. West, books	90	
H. W. Wilson, books	13 00	
Charles L. Woodward, books	22 00	
P. W. Ziegler & Co., books	4 13	
Longmans, Green, & Co., books	26 08	
Emma L. Orcutt, books	1 00	
Publishers' Weekly, books	12 25	
Silver, Burdett & Co., books	1 67	
J. R. Aldrich, books	1 50	
D. Appleton & Co., books	9 08	
Burnham Antique Book Store, books	5 50	
W. B. Clarke Co., books	5 50	
Essex Publishing Co., books	71 00	
Goodspeed's Book Shop, books	14 00	
Houghton, Mifflin & Co., books	120 10	
Sampson, Murdock Co., books	6 00	
William H. Abbott, books	2 00	
C. W. Bardeen, books	13	
Buffalo Public Library, books	31	
Henry T. Coates & Co., books	6 03	
Engineering News Publishing Co., books	4 00	
T. T. Fryer, books	84 55	
Ginn & Co., books	42 81	
George F. Lasher, books	2 50	
John Wiley & Sons, books	7 62	
J. Q. Adams & Co., books	12 50	
Bay State Co., books	28 00	
W. R. Bradford, books	6 30	
Cumulative Index Co., books	5 00	
G. F. Garland, books	7 30	
Harper & Brothers, books	38 95	
Journal Publishing Co., books	4 00	
Robert & Linn Luce, books	1 50	
Cora E. McDevitt, books	3 62	
Joseph McDonough, books	3 20	
Amounts carried forward	\$13,976 13	\$18,683 34

Amounts brought forward	\$13,976 13	\$18,683 34
W. F. Morrill, books	15 00	
Joel Munsell's Sons, books	6 53	
Sibley & Ducker, books	5 00	
Soule Art Co., books	5 00	
E. Van Nostrand, books	2 59	
Hardy, Pratt & Co., books	56 70	
E. & J. B. Young & Co., books	1 04	
American Academy Political and Social Science, books	6 50	
John F. Brooks, books	2 00	
Cathedral Library Association, books	1 14	
Chemical Publishing Co., books	3 62	
Cedric Chivers, books	114 49	
Charles D. Craigie, books	50	
A. B. Cross, books	2 50	
Harper Brothers, books	34 50	
S. F. McLane, books	16 25	
New Amsterdam Book Co., books	2 58	
L. C. Page & Co., books	1 08	
L. S. Richards, books	1 50	
D. Van Nostrand, books	7 18	
A. E. Vaughn, books	4 00	
Balch Brothers, books	2 60	
Thomas Y. Crowell & Co., books	15 04	
Funk & Wagnalls Co., books	1 60	
Frederick W. Bailey, books	10 00	
Ihling Brothers & Everard, books	3 75	
Burrows Brothers Co., books	255 50	
Old Corner Book Store, books	8 11	
Arthur H. Clark Co., books	8 00	
Cupples & Schoenhof, books	5 50	
Henry Holt & Co., books	2 68	
A. C. McClurg & Co., books	5 83	
J. D. Millet Co., books	42 00	
George H. Rigby, books	12 50	
R. O. Sherwood, books	60	
D. Stirling, books	6 50	
American Library Co, books	12 00	
Bates & Guild Co., books	26 60	
Congdon & Britnell, books	2 25	
Index Publishing Co., books	1 50	
Oxford University Press, books	3 87	
C. F. Taylor, books	1 00	
A. E. Walsh, books	17 22	
Louis Weiss & Co., books	5 00	
W. A. Wilde Co., books	18 34	
"The Times," books	37 50	
James T. White & Co., books	88 00	
Johns Hopkins Press, books	1 00	
S. Louise Chandler, agency	32 70	
Abby A. Cross, agency	12 38	
S. A. Riker, agency	19 31	
James Wilson, agency	43 13	
Mrs. I. E. Wadsworth, agency	45 55	
Arthur Hughes, agency	4 93	
David Farquhar, binding books	1,548 19	
B. F. Humphrey Binding Co., binding books	193 97	
Amounts carried forward	\$16,760 48	\$18,683 34

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Amounts brought forward	\$16,760 48	\$18,683 34
J. B. H. Longfellow, binding books	36 00	
Lucy H. Greenlaw, periodicals	6 50	
William H. Guild & Co., periodicals	377 14	
"The Club Woman," periodicals	2 00	
Medford Historical Society, periodicals	1 00	
George Murphy, periodicals	4 84	
Metaphysical Publishing Co., periodicals	1 00	
Photo Era Publishing Co., periodicals	3 00	
Bates & Guild Co., periodicals	45	
Treasury Magazine of Religious Thought, periodical	2 00	
Topsfield Historical Society, periodical	92	
George T. Bailey, periodicals	53 08	
C. M. Blake, periodicals	6 00	
Perry Pictures Co., periodical	2 10	
Reprint Co., periodical	2 50	
H. W. Wilson, periodical	1 00	
Somerville Historical Society, periodicals	2 00	
F. A. Draper, periodical	1 00	
Times Printing Co., periodical	1 75	
M. H. Brazier, periodical	1 00	
Anti-Cigarette League, periodical	50	
Journal of Pedagogy, periodical	3 00	
George E. Whitaker, periodical	1 25	
American Book Co., periodicals	43 40	
Boston Book Co., periodicals	169 50	
Thomas Groom & Co., stationery	70 87	
Somerville Post-office, postage	40 00	
Library Bulletin Co., postage	72 64	
New England Telephone & Telegraph Co., rentals and tolls	84 75	
Hammond Typewriter Co., supplies	4 00	
Frederick B. King, printing	17 25	
Somerville Journal Co., printing	86 85	
Webcowit Press, printing	33 75	
Library Bureau, supplies	73 55	
A. L. A. Publishing Board, cards	2 53	
Olin S. Davis, pockets	40 00	
Dennison Mfg. Co., supplies	1 31	
Library of Congress, cards	50 00	
C. A. Southwick, labor, etc.	86 68	
G. F. Matthews, repairs	53 32	
M. F. Underwood, repairs	10 15	
E. O. Arnold & Co., repairs	1 12	
J. D. Bartley, furnishing	4 50	
William R. Bradford, bas relief	10 00	
Underwood & Underwood, pictures	10 80	
Library Art Club, pictures	5 00	
Cosmos Picture Co., pictures	10	
Taylor's Express Co., expressing	109 75	
E. R. Perham, expressing	107 58	
Gilman Express Co., expressing	103 00	
American Express Co., expressing	26 73	
Glines & Co., expressing	15	
	<hr/>	
	\$18,589 79	
Excess and Deficiency, balance to credit of account	93 55	
	<hr/>	
		\$18,683 34

Public Library Addition.

	CREDIT.	
Balance from 1901		\$1,320 35
	DEBIT.	
Public Buildings Construction, City Hall Portico account, amount transferred	\$858 63	
Public Buildings Construction, City Hall Annex Improvement account, amount transferred	55 02	
Public Buildings Construction, School- house in Ward Seven account, amount transferred	406 70	
	<hr/>	<u>\$1,320 35</u>

Public Library, Isaac Pitman Fund, Art.

	CREDIT.	
Amount held in trust, income to be used for art		\$4,000 00
	DEBIT.	
Balance to credit of account, 1903		<u>\$4,000 00</u>

Public Library, Isaac Pitman Fund, Poetry.

	CREDIT.	
Amount held in trust, income to be used for poetry		\$1,000 00
	DEBIT.	
Balance to credit of account, 1903		<u>\$1,000 00</u>

Public Library, Isaac Pitman Fund, Income, Art.

	CREDIT.	
Balance from 1901		\$18 91
Cash, income from invested funds		160 00
		<hr/>
		\$178 91
	DEBIT.	
Cash, paid Underwood & Underwood, pic- tures	\$55 48	
Cosmos Picture Co., pictures	3 08	
American Architect & Building News Co., books	45 00	
A. W. Elson & Co., books	15 00	
Damrell & Upham, books	15 50	
Little, Brown & Co., books	11 04	
Cora E. McDevitt, books	9 00	
T. T. Fryer, books	7 50	
Charles E. Lauriat, books	75	
	<hr/>	
	\$162 35	
Balance to credit of account, 1903	16 56	
	<hr/>	<u>\$178 91</u>

Public Library, Isaac Pitman Fund, Income, Poetry.

CREDIT.		
Balance from 1901		\$45 75
Cash, income from invested funds		40 00
		<hr/>
		\$85 75
DEBIT.		
Cash, paid Little, Brown & Co., books	\$21 27	
Cora E. McDevitt, books	10 00	
Congdon & Britnell, books	3 50	
Houghton, Mifflin & Co., books	1 35	
Cora C. Boss, books	1 00	
	<hr/>	
	\$37 12	
Balance to credit of account, 1903	48 63	
	<hr/>	
		<u>\$85 75</u>

Public Library, Isaac Pitman Fund, Investment Account.

CREDIT.		
Balance to debit of account, 1903		\$5,000 00
DEBIT.		
Balance from 1901 (West End Railway bonds, par value)		\$5,000 00
		<hr/> <hr/>

Public Property.

CREDIT.		
Balance to debit of account, 1903		\$3,602,384 98
DEBIT.		
Property and Debt Balance, property acquired in 1902	\$93,268 16	
Balance from 1901	3,509,116 82	
	<hr/>	
		<u>\$3,602,384 98</u>

Real Estate Liens.

CREDIT.		
Cash, received of Great White Spirit Co., lien on real estate redeemed		\$3,775 34
George W. Moore, lien on real estate redeemed		92 17
Walter A. Rice, lien on real estate redeemed		71 45
		<hr/>
		\$3,938 96
Balance to debit of account, 1903		2,140 00
		<hr/>
		\$6,078 96
DEBIT.		
Balance from 1901	\$4,489 05	
Taxes, 1900, Florence E. Walker	9 28	
Walter A. Rice	71 45	
	<hr/>	
	80 73	
Amounts carried forward	\$4,569 78	<u>\$6,078 96</u>

Amounts brought forward	\$4,569 78	\$6,078 96
1900, George W. Moore	92 17	
1901, James Charlton . . . \$9 54		
George A. Richards . . . 1 59		
City of Cambridge . . . 324 36		
Sarah B. Thompson . . . 12 72		
R. B. Thompson . . . 30 21		
	<hr/>	
	378 42	
1898, City of Cambridge . \$408 12		
1899, City of Cambridge . . 306 44		
1900, City of Cambridge . . 297 60		
	<hr/>	
	1,012 16	
1898, Florence E. Walker . \$13 41		
1899, Florence E. Walker . . 13 02		
	<hr/>	
	26 43	
	<hr/>	
		<u>\$6,078 96</u>

Reduction of Funded Debt.

CREDIT.

Balance from 1901	\$11,175 93
Appropriations, from Taxes, 1902	88,500 00
Water Works Income, amount appropriated	51,187 31
Cash, received of Dennett, Crane & Blanchard, premium on bonds	3,284 75
	<hr/>
	\$154,147 99

DEBIT.

Property and Debt Balance, amount of Funded Debt maturing in 1902 . . . \$159,000 00	
Less amount renewed . . . 17,000 00	
	<hr/>
	\$142,000 00
Excess and Deficiency, balance to credit of account	12,147 99
	<hr/>
	<u>\$154,147 99</u>

Renewal of Funded Debt.

CREDIT.

Appropriations, from Funded Debt, 1902	\$17,000 00
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DEBIT.

Property and Debt Balance, amount of Funded Debt re- newed in 1902	\$17,000 00
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School Contingent.

CREDIT.

Appropriations, from Taxes, 1902	\$21,000 00
Cash, received of G. A. Southworth, Super- intendent, injury to property	55 00
G. A. Southworth, Superintendent, tui- tion of non-resident pupils	75 00
	<hr/>
Amounts carried forward	\$130 00
	<hr/>
	\$21,000 00

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Amounts brought forward	\$130 00	\$21,000 00
Commonwealth of Massachusetts, tuition of state wards	41 50	
Mrs. W. S. Clark, tuition	6 00	
	<hr/>	177 50
		<hr/>
Excess and Deficiency, balance to debit of account		\$21,177 50
		3,008 25
		<hr/>
		\$24,185 75

DEBIT.

Cash, paid Gordon A. Southworth, salary as superintendent of schools	\$3,000 00	
disbursements	239 85	
Cora S. Fitch, assistant	650 00	
Lemuel H. Snow, truant officer	1,100 00	
board of horse	240 00	
Jairus Mann, truant officer	50 00	
Allyn & Bacon, books	195 70	
American Book Co., books	765 23	
Edward E. Babb & Co., books	698 81	
C. C. Birchard & Co., books	337 50	
Boston School Supply Co., books	79 47	
Ginn & Co., books	1,163 49	
D. C. Heath & Co., books	363 35	
Houghton, Mifflin & Co., books	36 53	
Lothrop Publishing Co., books	51 65	
Thomas R. Shewell & Co., books	19 15	
Sibley & Duckert, books	14 58	
Silver, Burdett & Co., books	1,064 29	
Willard Small, books	13 90	
DeWolfe, Fiske & Co., books	93 98	
Funk & Wagnalls, books	33 60	
Lee & Shepard, books	46 18	
Longmans, Green, & Co., books	43 41	
Rand, McNally & Co., books	579 57	
University Publishing Co., books	93 08	
Werner School Book Co., books	338 88	
Mrs. E. S. Brooks, books	40 00	
W. A. Greenough & Co., books	3 00	
Thompson, Brown & Co., books	7 78	
Essex Publishing Co., books	7 00	
D. Appleton & Co., books	1 15	
Educational Publishing Co., books	195 27	
Emerson School of Oratory, books	7 30	
Hinds & Noble, books	8 90	
Henry Holt & Co., books	84 35	
Charles E. Lauriat & Co., books	55 00	
J. B. Lippincott Co., books	1 80	
Maynard, Merrill & Co., books	284 42	
Munn & Co., books	4 00	
B. H. Sanborn & Co., books	487 06	
Charles Scribner's Sons, books	13 85	
Mary A. Chandler, books	7 50	
Sibley & Co., books	36 46	
Humphrey Book Binding Co., binding books	397 51	
Samuel Ward Co., book covers	2 50	
	<hr/>	
Amounts carried forward	\$12,957 05	\$24,185 75

Amounts brought forward	\$12,957 05	\$24,185 75
Adams, Cushing & Foster, supplies	1,081 50	
J. L. Hammett Co., supplies	1,298 08	
Mitchell Mfg. Co., supplies	9 64	
George S. Perry & Co., supplies	1 25	
Neostyle Co., supplies	60 93	
Morse Co., supplies	6 04	
Heywood Brothers & Wakefield Co., supplies	38 50	
Smith Premier Typewriter Co., supplies	2 00	
Eagle Pencil Co., supplies	3 15	
L. E. Knott Apparatus Co., supplies	220 40	
Cambridge Botanical Supply Co., supplies	15 45	
N. H. Crowell, supplies	42 50	
Mrs. E. T. Curtis, supplies	69 98	
Dame, Stoddard & Co., supplies	6 15	
F. W. Miller & Co., supplies	1 50	
Gilman-square Fish Market, supplies	5 75	
George F. King & Co., supplies	414 75	
Kenney Brothers & Wolkins, supplies	2,036 81	
Central School Supply Co., supplies	255 00	
Edward E. Babb & Co., supplies	90	
Enterprise Mfg. Co., supplies	7 50	
F. S. Webster & Co., supplies	3 00	
Holden Patent Book Cover Co., supplies	9 55	
American Oxygen Association, supplies	2 65	
Joseph Breck & Sons, supplies	3 20	
Dr. A. B. Dearborn, supplies	75 00	
Dennison Mfg. Co., supplies	2 10	
Thorpe & Martin Co., supplies	9 15	
M. L. Vinal, supplies	282 45	
Wyman & Gordon, supplies	5 84	
Cook-Vivian Co., supplies	18 00	
E. S. Daniels, supplies	7 50	
Bunkio Matsuki, supplies	1 50	
Taber-Prang Art Co., supplies	1 50	
William T. Shepard, supplies	5 00	
Wadsworth, Howland & Co., drawing supplies	536 06	
John M. Woods & Co., drawing supplies	147 82	
W. E. Plumer & Co., manual training supplies	232 10	
Whitney & Snow, manual training supplies	6 50	
Eimer & Amend, chemical supplies	67 83	
Thomas Hollis Co., chemical supplies	44 20	
Henry F. Miller & Sons Piano Co., piano	225 00	
E. S. Daniels, piano tuning	12 00	
Oliver Ditson Co., music	95 70	
Hadley's Orchestra, music	260 00	
Clark Mfg. Co., ink	75 50	
Suffolk Ink Co., ink	7 50	
Wagner Typewriter Co, typewriters	367 50	
Benjamin F. Freeman, photographs	5 00	
Harvard University, examination papers	6 00	
Boston Bank Note Co., diplomas	137 45	
H. W. Stone, engrossing	83 50	
Amounts carried forward	\$21,270 93	\$24,185 75

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Amounts brought forward	\$21,270 93	\$24,185 75
G. R. Fisk & Co., ribbon	70 49	
Langley, Burr & Co., ribbon	4 28	
First Methodist Church, rent (for graduation exercises)	150 00	
Nathan C. Schaeffer, address	50 00	
Davis Ice Cream Co., collation	93 80	
James H. Chase, services	10 00	
Howard Lowell & Son, carriage hire	16 00	
W. C. Fickett, services	16 00	
New England Telephone & Telegraph Co., rentals and tolls	170 58	
Somerville Journal Co., printing	893 11	
Citizen Press, printing	272 75	
McGrath & Woodley, printing	9 50	
Stanhope Press, printing	18 63	
William L. Julian, printing	15 00	
Middlesex County Truant School, board Elizabeth S. Webster, taking school census	470 43	
	82 74	
Clara Z. Elliot, taking school census	50 00	
Charles E. Davis, taking school census	67 14	
A. W. Hunking, tuition refunded	28 61	
Charles T. C. Whitcomb, disbursements	20 84	
C. E. Brainard, disbursements	13 29	
A. L. Doe, disbursements	3 91	
H. P. Knight, disbursements	8 28	
M. E. Northup, disbursements	5 23	
F. C. Baldwin, disbursements	6 35	
McKinley Publishing Co., maps	9 83	
Rand, McNally & Co., maps	6 50	
E. D. Sawyer & Co., lumber	183 88	
H. Wood, repairs	2 90	
London's Express, expressing	164 60	
Glines & Co., expressing	15	
	<hr/>	<hr/> <hr/>
		\$24,185 75

School Teachers' Salaries.

CREDIT.

Appropriations, from Taxes, 1902	\$228,000 00
Excess and Deficiency, balance to debit of account	1,410 47
	<hr/>
	\$229,410 47

DEBIT.

Cash, paid salaries as per pay-rolls	\$229,410 47
	<hr/> <hr/>

Sealer of Weights and Measures.

CREDIT.

Appropriations, from Taxes, 1902	\$1,100 00
Cash, received of John H. Dusseault, fees	\$351 36
North Packing & Provision Co., fees	17 10
	<hr/>
	368 46
Amount carried forward	\$1,468 46

Amount brought forward		\$1,468 46
DEBIT.		
Cash, paid John H. Dusseault, salary as sealer of weights and measures	\$900 00	
disbursements	378 20	
Dodge, Haley & Co., drills	15 34	
Globe Gas Light Co., gas furnace	5 00	
R. Woodman Mfg. & Supply Co., brands and seals	11 55	
Underhill Hardware Co., tools	2 65	
Herman Strater & Sons, measures	12 50	
Frost & Adams Co., supplies	5 85	
Electric Gas Lighting Co., bell, etc.	2 08	
A. C. Libby & Sons, books	25 23	
Somerville Journal Co., printing	16 75	
W. A. Greenough & Co., directory	3 00	
Citizen Press, printing	3 00	
E. R. Perham, expressing	1 50	
	<hr/>	
	\$1,382 65	
Excess and Deficiency, balance to credit of account	85 81	
	<hr/>	
		\$1,468 46

Sewer Assessments.

CREDIT.		
Sewers Construction account, abatements		\$52 66
Cash, received of sundry persons		1,587 25
		<hr/>
		\$1,639 91
Balance to debit of account, 1903		5,061 79
		<hr/>
		\$6,701 70
DEBIT.		
Balance from 1901	\$2,878 95	
Sewers Construction account, assessments levied	3,822 75	
	<hr/>	
		\$6,701 70

Sewers, Construction.

CREDIT.		
Balance from 1901		\$10,748 17
Appropriations, from Funded Debt, 1902		25,000 00
Sewer Assessments account, assessments levied		3,822 75
Cash, received of Sarah J. Locke, draining lot	\$81 50	
Commonwealth of Massachusetts, North Metropolitan System, Maintenance, dividend	65	
R. C. Grovestein, part cost of sewer in Harris court	9 03	
George H. Richards, connecting with sewer	20 00	
	<hr/>	
Amounts carried forward	\$111 18	\$39,570 92

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Amounts brought forward	\$111 18	\$39,570 92
New England Vinegar Works, labor	2 00	
Sidewalks Construction account, edge- stones	76 74	
	<hr/>	189 92
		<hr/>
		\$39,760 84

DEBIT.

Cash, paid laborers	\$9,371 06	
Thomas Groom & Co., books	18 75	
Somerville Journal Co., advertising	13 50	
S. & R. J. Lombard, flagging and edge- stones	281 02	
New England Brick Co., bricks	718 50	
Sessions Foundry Co., castings	53 53	
Osgood & Witherly, castings	39 00	
Chelmsford Iron Foundry, beams	121 80	
Thomas Hoey Supply & Mfg. Co., tide gate	577 00	
Somerville Iron Foundry, castings	988 05	
Barbour, Stockwell Co., traps	139 50	
New England Telephone & Telegraph Co., old iron	75 62	
I. B. Walker, step irons	1 75	
J. A. Durell, hardware	2 45	
Whitney & Snow, hardware	25 35	
C. L. Underhill, irons	1 20	
James Tevlin, teaming	863 26	
F. O'Brien, bags	3 00	
Norton & Co., burlap bags	8 43	
J. H. Brooks, cloth	3 90	
Waldo Brothers, pipe	4,213 36	
Edward Kendall & Sons, plate, labor, etc. F. C. Ayer, lumber	5 22	
I. H. Brown Moulding Co., frame	532 71	
M. A. Simpson, sand	27 00	
T. H. Gill, gravel	18 50	
W. J. McCarthy, dynamite, etc.	13 50	
E. O. Childs, recording	22 20	
Commonwealth of Massachusetts, re- cording	8 45	
Boston & Maine Railroad, freight	1 55	
E. W. Danforth, car fares	943 23	
Elizabeth C. Douglas, compensation for damages	9 00	
Mary Mullen, settlement of suit	230 00	
David W. Lewis, grates, etc.	275 00	
Harris P. Tibbetts, carpentering	9 75	
Maurice Buttimer, constructing sewer:— Hanson street	65 38	
Charles A. Kelley, constructing sewer:— Lowell street	51 80	
Somerville avenue	80 66	
Webster avenue	510 43	
Webster avenue, Fitchburg Railroad, easterly	202 21	
Dane street	64 44	
Washington and Franklin streets	126 55	
	850 00	
Amounts carried forward	<hr/>	<hr/>
	\$21,567 61	\$39,760 84

Amounts brought forward	\$21,567 61	\$39,760 84
Fenwick street	225 00	
Boston avenue	385 09	
H. A. Hanscom & Co., constructing Tannery Brook Drain	2,162 20	
Bartholomew Burke, constructing sewer:—		
Meacham street	36 38	
Off Broadway	103 45	
Patrick Burke, constructing sewer:—		
Watson street	216 02	
Powder House Terrace	200 00	
Richard Falvey, constructing sewer:—		
Norfolk street	42 70	
Tremont street	45 87	
Professors row	115 00	
sand	1 00	
Charles A Mongan, constructing sewer in Dane street, east	57 91	
Timothy F. Crimmings, constructing sewer:—		
Poplar street	1,302 02	
Beacon street (Washington to Ivaloo)	2,750 00	
Beacon street (Ivaloo to Sacramento)	2,510 00	
Nicholas Leonard, constructing sewer in Wyatt street and circle	57 51	
William J. McCarthy, constructing sewer:—		
Linwood street	2,500 00	
Pearson avenue	429 03	
City Engineer's account, services	345 00	
Highways Maintenance account, labor	335 25	
Water Maintenance account, pipe	32 85	
Sewer Assessments account, abatements	52 66	
	<hr/>	
	\$35,472 55	
Balance to credit of account, 1903	4,288 29	
	<hr/>	
		\$39,760 84
		<hr/> <hr/>

Sewers, Maintenance.

CREDIT.

Water Works Income, amount appropriated		\$10,500 00
Cash, received of Boston Elevated Railway Co., damage to fire hose	\$25 00	
changing grade, etc.	34 54	
C. White, hose, etc.	3 70	
City Engineer's account, labor	42 48	
Contingent Fund account, labor	89 88	
	<hr/>	
		195 60
		<hr/>
		\$10,695 60

DEBIT.

Cash, paid laborers	\$6,532 60	
The Boston Coupling Co., resetting couplings	4 13	
Somerville Iron Foundry, castings	43 92	
Osgood & Witherly, gates, etc.	62 21	
Barbour, Stockwell Co., grate	6 00	
	<hr/>	
Amounts carried forward	\$6,648 86	\$10,695 60

Amounts brought forward	\$6,648 86	\$10,695 60
John S. Clary, lumber	6 30	
The J. H. Keenan Co., sawing lumber	1 00	
F. C. Ayer, lumber	8 56	
Harris P. Tibbetts, carpentering	1 75	
H. A. Hanscom & Co., repairing fence	25 00	
H. W. Johnson, repairing fences, etc.	46 97	
James F. Davlin, oakum	1 49	
G. W. Ladd, bags	1 20	
M. Norton & Co., bags	1 05	
Fulton O'Brion, bags	64	
J. H. Brooks, dry goods	80	
Jordan Marsh Co., flag	8 00	
Riverside Trunk Co., oil suits	24 00	
Thomas Groom & Co., books	21 75	
New England Telephone & Telegraph Co., rentals and tolls	16 99	
New England Brick Co., bricks	57 00	
Cornelius Callahan Co., repairing hose	3 00	
M. A. Simpson, sand	8 50	
T. Allen, concrete	49 73	
James Tevlin, teaming	3,100 53	
A. Goldstein, repairing boots	1 30	
John F. Linn, rubber boots	35 00	
C. L. Underhill, repairing tools	20 50	
Whitney & Snow, repairing tools	139 06	
H. Wood, repairing tools	8 30	
J. A. Durell, repairing tools	45	
F. Dooris, repairing tools	44 55	
I. B. Walker, repairing tools	12 99	
P. J. Kinneen, repairing tools	2 10	
Waldo Brothers, pipe and cement	88 78	
Highland Coal Co., pipe	3 30	
Edson Mfg. Co., strainer, etc.	17 48	
Simpson Brothers Corporation, relaying stone	14 10	
E. W. Danforth, expenses	5 00	
Frank Reed, Agent, rent of water course	75 00	
George L. Reed, rent of water course	150 00	
Mrs. Susan Swan, lumber, etc.	17 48	
W. L. Snow, hardware	3 82	
The W. L. Snow Co., oil	1 04	
Sidewalks Maintenance account, bricks	18 00	
	<hr/>	
	\$10,691 37	
Excess and Deficiency, balance to credit of account	4 23	
	<hr/>	
		\$10,695 60
		<hr/> <hr/>

Sidewalk Assessments.

CREDIT.

Cash, received of sundry persons	\$15,702 70
Balance to debit of account, 1903	6,294 02
	<hr/>
Amount carried forward	\$21,996 72

Amount brought forward \$21,996 72

DEBIT.

Balance from 1901	\$5,890 62	
Sidewalks Construction account, assessments levied	16,106 10	
		<u>\$21,996 72</u>

Sidewalks, Construction.

CREDIT.

Appropriations, from Funded Debt, 1902		\$16,000 00
Sidewalk Assessments account, assessments levied		16,106 10
Highways, Paving Cross Street account, amount transferred		1,584 00
Cash, received of James Fitzpatrick, bricks	\$14 10	
Thomas E. Cunningham, bricks	9 00	
Joseph K. Warren, sidewalk	15 00	
Alice E. Lake, sidewalk	33 80	
Harriet L. Norton, sidewalk	13 38	
Annie Rosenthal, sidewalk	13 24	
Barbara Smith, sidewalk	25 60	
Lucy E. Burrows, sidewalk	30 20	
Edwin M. Stanton, granolithic walk	99 40	
Knights of Malta, granolithic walk	26 63	
F. W. Parker, edgestones	56 54	
Benjamin B. Hall, edgestones	127 02	
Cosmo Acetta, edgestones	15 21	
Highways Maintenance account, bricks	4 69	
		<u>483 81</u>
		\$34,173 91
Balance to debit of account, 1903		1,525 09
		<u>\$35,699 00</u>

DEBIT.

Balance from 1901	\$2,624 19	
Cash, paid laborers	7,930 44	
S. & R. J. Lombard, edgestones	18,537 10	
Estate of Thomas Casey, bricks	2,366 74	
New England Brick Co., bricks	1,427 49	
Warren Brothers Co., granolithic walk	119 40	
T. Allen, granolithic walk	53 25	
Cosmo Acetta, granolithic walk	6 84	
Thomas Groom & Co., books	25 50	
Somerville Journal Co., printing	145 50	
Highways Maintenance account, city teams and materials	2,353 48	
Powder House Boulevard account, circles	32 33	
Sewers Construction account, edgestones	76 74	
		<u>\$35,699 00</u>

Sidewalks, Maintenance.

CREDIT.

Amount charged to Commonwealth of Massachusetts, Street Railway Tax		\$6,000 00
Amount carried forward		<u>\$6,000 00</u>

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Amount brought forward	\$6,000 00
Cash, received of Sewers Maintenance account, bricks	18 00
	<hr/>
	\$6,018 00
Excess and Deficiency, balance to debit of account	3,176 79
	<hr/>
	\$9,194 79

DEBIT.

Balance from 1901	\$1,711 69
Cash, paid laborers	5,420 01
New England Brick Co., bricks	711 60
Estate of Thomas Casey, bricks	367 90
Patrick Burke, sods	37 50
Somerville Electric Light Co., ashes	10 00
Highways Maintenance account, city teams and materials	936 09
	<hr/>
	\$9,194 79

Soldiers' Burials.

CREDIT.

Amount charged Commonwealth of Massachusetts, soldiers' burials	\$315 00
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DEBIT.

Cash, paid John Bryant & Sons, services as undertakers	\$35 00
Francis M. Wilson, services as undertaker	105 00
George Nichols, services as undertaker	35 00
W. A. Frink, services as undertaker	35 00
J. Henry Hartwell & Son, services as undertakers	35 00
Judson Litchfield, services as undertaker	35 00
Charles J. Winterbottom, services as undertaker	35 00
	<hr/>
	\$315 00

Soldiers' Relief.

CREDIT.

Appropriations, from Taxes, 1902	\$16,000 00
Cash, sundry persons, money not called for	151 46
	<hr/>
	\$16,151 46
Excess and Deficiency, balance to debit of account	1,829 59
	<hr/>
	\$17,981 05

DEBIT.

Cash, paid sundry persons, as per pay-rolls	\$17,412 43
Commonwealth of Massachusetts, board	30 18
Somerville Hospital, board	185 71
Westboro Insane Hospital, board	42 71
Danvers Insane Hospital, board	52 47
Worcester Insane Hospital, board	239 56
Support of Poor, City Home account, board	11 14
Somerville Journal Co., printing	6 85
	<hr/>
	\$17,981 05

Somerville Hospital.

CREDIT.	
Appropriations, from Taxes, 1902	\$5,000 00
DEBIT.	
Cash, paid for support of sick poor	\$5,000 00

State Aid.

CREDIT.	
Amount charged to Commonwealth of Massachusetts, state aid paid in 1902	\$13,385 50
Cash, sundry persons, money not called for	25 00
	<u>\$13,410 50</u>
DEBIT.	
Cash, paid monthly pay-rolls	\$13,410 50

Street Lights.

CREDIT.	
Appropriations, from Taxes, 1902	\$63,000 00
Cash, received of Edwin D. Sibley, et al., lighting West- wood road	54 00
	<u>\$63,054 00</u>
DEBIT.	
Cash, paid Somerville Electric Light Co., lighting	\$62,209 92
moving lamps	61 00
Welsbach Street Lighting Co. of America, lighting	154 75
George E. Lowell, carriage hire	52 00
Jairus Mann, disbursements	28 80
John C. Bauch, suppers	33 00
	<u>\$62,539 47</u>
Excess and Deficiency, balance to credit of account	514 53
	<u><u>\$63,054 00</u></u>

Sundry Persons.

CREDIT.	
Balance from 1901	\$437 51
Cash, sundry persons, amounts to be called for	180 64
	<u>\$618 15</u>
DEBIT.	
Taxes, 1901, assessment 188 Rogers avenue adjusted	\$7 95
	<u>\$7 95</u>
Amounts carried forward	\$618 15

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Amounts brought forward	\$7 95	\$618 15
Cash, paid Anna M. Porter, taxes, 1896, on 44 Webster street	46 79	
Heirs Samuel B. Blethen, annual water charge for 1900 refunded	67 25	
Heirs Robert A. Vinal, land damages	20 00	
Water Works Income account, error in water collections, 1901	1 95	
	<hr/>	
	\$143 94	
Balance to credit of account, 1903	474 21	
	<hr/>	
		\$618 15

Support of Poor, City Home.

CREDIT.

Appropriations, from Taxes, 1902		\$4,400 00
Cash, received of J. Foster Colquhoun, produce	\$2,049 19	
John Wolfe, Jr., & Co., produce	237 97	
Matthew Colquhoun, board	68 00	
Guy Gordon, board	12 00	
Arthur M. Gilman, board	21 00	
Charles L. Jeffrey, board	3 00	
North Packing & Provision Co., hogs	132 33	
David Curran, aid	10 86	
Frank Gregory, money not called for	4 83	
Soldiers' Relief account, board	11 14	
Support of Poor, Miscellaneous account, wood	258 49	
	<hr/>	
		7,208 81
Excess and Deficiency, balance to debit of account		187 83
		<hr/>
		\$7,396 64

DEBIT.

Cash, paid Mr. and Mrs. J. Foster Col- quhoun, services as warden and matron	\$700 00	
J. Foster Colquhoun, disbursements	807 39	
Annie Haggerty, services	208 53	
Nettie Brown, services	16 00	
Frank A. Allen, services	185 00	
Guy Gordon, services	58 33	
F. L. Gregory, services	177 68	
Jordan Marsh Co., dry goods	63 12	
Parke Snow, dry goods	35 93	
Commonwealth of Massachusetts, clothing	4 00	
Massachusetts State Prison, clothing	41 13	
I. C. Earle & Sons, boots and shoes	14 65	
George H. Thompson, boots and shoes	17 50	
Joseph Breck & Sons, farm supplies	73 54	
D. M. Osborne & Co., farm supplies	2 75	
C. J. Bailey & Co., farm supplies	2 00	
H. S. Pond, swill	94 11	
M. Judd & Son, fertilizer	32 91	
Joseph J. Pincus, hose	11 00	
	<hr/>	
Amounts carried forward	\$2,545 57	\$7,396 64

Amounts brought forward	\$2,545 57	\$7,396 64
Charles A. Holmes, bees	8 00	
W. W. Rawson & Co., seeds	11 75	
Schlegel & Fottler Co., seeds	44 55	
F. C. Penny, plants	6 00	
Jackson & Newton, sash	124 85	
C. W. Badger, putty	2 64	
R. McDonald, hot-bed shutters, etc.	200 86	
D. W. Lewis, land tile	64 47	
J. C. H. Snow, fence	155 77	
L. W. Bowen, glazing	21 15	
H. Wood, sharpening saws	1 20	
C. S. Lombard, medicine	26 54	
Reuben Ring & Co., medicine	20 25	
Percy A. Hall, medicine	8 04	
C. W. Lerner & Co., disinfectant	6 50	
Cambridge Ice Co., ice	16 20	
Proctor Brothers, wood	85 20	
Magee Furnace Co., stove repairs	3 75	
I. B. Walker, wagon repairs	75 61	
E. A. Gillett & Sons, wagon supplies	4 75	
Joseph A. Pearson, harness	24 00	
D. J. Bennett, harness repairs	6 75	
Ira L. Roberts, horseshoeing	34 26	
J. B. Rufer, horseshoeing	10 45	
E. B. West & Co., hay and grain	494 00	
teaming	9 50	
Fulton O'Brien, hay and grain	164 89	
J. S. Bradeen Co., hay and grain	44 53	
New England Telephone & Telegraph Co., rentals and tolls	44 10	
Mrs. A. Kelley, papers	4 47	
Charles Gott, papers	2 50	
Thomas Groom & Co., stationery	1 60	
Somerville Journal Co., printing	11 25	
Morris-Ireland Safe Co., safe	35 00	
Electric Gas Lighting Co., supplies	17 21	
H. G. White, electric labor and supplies	5 55	
E. D. Sawyer & Co., lumber	3 05	
Harris P. Tibbetts, carpentering	899 79	
W. E. Plumer & Co., hardware	96 84	
E. S. Sparrow & Co., hardware	19 33	
Highland Coal Co., drain pipe, etc.	7 84	
F. C. Alexander, mason work	110 00	
J. S. Newcomb & Co., groceries	407 64	
Excelsior Creamery, groceries	68 43	
Mrs. Annie Kelley, groceries	37 12	
Ar-Showe & Co., groceries	61 35	
F. J. Hopkins, groceries	66 90	
C. A. Holmes, groceries	8 85	
Henry F. Sander Co., groceries	183 45	
Russell & Co., groceries	64 13	
E. S. Conant & Co., groceries	166 37	
National Biscuit Co., groceries	22 49	
Medford-street Market, groceries	86 87	
John Wolfe, Jr., & Co., groceries	95 29	
Joseph H. White & Sons, groceries	4 60	
Vermont Butter Co., groceries	6 79	
Amounts carried forward	\$6,760 84	\$7,396 64

Amounts brought forward	\$6,760 84	\$7,396 64
Holt & Newson, groceries	11 35	
James Bartley, groceries	83 90	
L. A. Wright & Co., groceries	16 72	
Caswell, Livermore Co., groceries	2 99	
Timothy Sheehan, labor	6 00	
Timothy Mahan, labor	18 00	
John Harkin, labor	54 08	
John Powers, labor	24 15	
Richard Falvey, labor	155 50	
John Mahan, labor	14 75	
Harry Ogleman, labor	6 40	
Eugene Sullivan, labor	10 00	
John J. Mahan, labor	81 75	
Axel V. Neilson, labor	30 00	
William Duke, labor	80 00	
Carrie Emmons, labor	13 06	
John Wanatsky, labor	13 32	
Vincent, Salacky, labor	11 13	
Sprague & Hathaway Co., frames	2 70	
	<hr/>	<hr/>
		\$7,396 64

Support of Poor, Miscellaneous.

CREDIT.

Appropriations, from Taxes, 1902		\$21,300 00
Highways Construction account, amount transferred		300 00
Amount charged Commonwealth of Massachusetts, support of state paupers		477 .19
Amount charged Commonwealth of Massachusetts, temporary support of state paupers		77 49
Amount charged Commonwealth of Massachusetts, burial of state paupers		20 00
Cash, received for support of paupers:—		
Of Commonwealth of Massachusetts	\$1,525 58	
Of City of Boston	811 42	
Of City of Cambridge	632 90	
Of City of Chelsea	29 14	
Of City of Everett	2 50	
Of City of Fall River	153 66	
Of City of Gloucester	3 10	
Of City of Haverhill	6 70	
Of City of Lowell	306 68	
Of City of Lynn	43 65	
Of City of Malden	131 87	
Of City of Marlboro	106 32	
Of City of Newton	36 95	
Of City of Salem	80 00	
Of City of Waltham	110 68	
Of City of Woburn	17 45	
Of City of Worcester	81 13	
Of Town of Andover	16 00	
Of Town of Braintree	28 00	
Of Town of Canton	4 00	
Of Town of Hanover	4 08	
Of Town of Hudson	29 14	
Of Town of Lancaster	15 20	
	<hr/>	<hr/>
Amounts carried forward	\$4,176 15	\$22,174 68

Amounts brought forward	\$4,176 15	\$22,174 68
Of Town of Medfield	20 00	
Of Town of Millbury	17 15	
Of Town of Swampscott	50 65	
Of Town of South Framingham	18 14	
Of Town of Whitman	62 00	
Of Town of Winchester	8 85	
Massachusetts Hospital for Dipso- maniacs	7 43	
Frederick A. P. Fiske, Gdn., aid fur- nished	1,000 00	
Michael Cosgrove, aid furnished	43 18	
Augustus W. Hopkins, aid furnished	231 31	
Frank Dempsey, aid furnished	42 71	
John G. Knight, aid furnished	53 86	
William E. Reid, aid furnished	25 00	
Samuel Rines, aid furnished	127 67	
Charles I. Davis, aid furnished	146 00	
Mrs. R. McG. Taylor, aid furnished	42 71	
Mary Brady, aid furnished	146 00	
Mrs. Ira S. Carlton, Trustee, aid fur- nished	300 00	
Mrs. Stella M. Pelton, aid furnished	3 00	
Mrs. Annie Whipple, aid furnished	329 64	
		6,851 45
		<u>\$29,026 13</u>

DEBIT.

Cash, paid for support of paupers:—		
Commonwealth of Massachusetts	\$795 11	
Worcester Insane Hospital	6,173 34	
Worcester Insane Asylum	641 64	
Medfield Insane Asylum	3,130 40	
Westboro Insane Hospital	1,942 54	
Danvers Insane Hospital	1,180 69	
Taunton Insane Hospital	477 46	
Boston Insane Hospital	169 46	
Massachusetts Hospital for Dipso- maniacs and Inebriates	222 38	
Massachusetts Hospital for Epileptics	686 91	
Boston Observation Hospital	6 43	
Massachusetts School for Feeble- Minded	405 75	
Mrs. Clara Roberts	126 75	
City of Boston	784 15	
City of Cambridge	6 80	
City of Everett	2 00	
City of Gloucester	78	
City of Lawrence	69 86	
City of Malden	52 00	
City of Marlboro	96 00	
City of Newton	3 00	
City of Worcester	43 00	
Town of Attleboro	57 00	
Town of Bridgewater	47 77	
Town of Revere	16 00	
Somerville Hospital, care of sick poor	1,827 56	
		18,964 78
Amounts carried forward	\$18,964 78	<u>\$29,026 13</u>

APPENDIX TO TREASURER AND COLLECTOR'S REPORT. 147

Amounts brought forward	\$18,964 78	\$29,026 13
Ellen Mahoney, cash allowance	84 00	
Mrs. Emma E. Perkins, cash allowance	30 00	
Mary Budreau, board	33 16	
Mary Carroll, board	23 44	
Lottie Reading, board	52 17	
Susan D. Earle, board	19 43	
Kurn Hattin Home, board	100 00	
Bridget Condon, board	148 71	
Mrs. Clara Roberts, board	42 71	
The Children's Mission, board	75 43	
Charles C. Folsom, salary as agent	1,600 00	
disbursements	359 93	
Alvah B. Dearborn, city physician	1,500 00	
services	150 00	
Cora F. Lewis, secretary	600 00	
Laura E. Peavey, clerical services	97 34	
Philip Eberle, boots and shoes	28 95	
F. W. Gilbert, boots and shoes	58 20	
J. H. Brooks, dry goods	41 06	
John L. Crafts, dry goods	14 49	
George F. McKenna, burials	60 00	
W. A. Flaherty, burials	30 00	
David Fudge & Sons, burials	8 00	
C. J. Winterbottom, burials	10 00	
W. E. Moore, burials	15 00	
A. E. Mann, burials	55 00	
John S. McGowan, burials	10 00	
Joseph J. Kelley & Son, burial	15 00	
F. M. Wilson, burial	20 00	
W. F. Flemming, repairing furniture	1 50	
A. C. Gordon, painting	1 84	
Wellington-Wild Coal Co., fuel	355 74	
Frank A. Teele, fuel	15 90	
New England Telephone & Telegraph Co., rentals and tolls	57 35	
George E. Lowell, carriage hire	6 00	
Medford-street Market, groceries	192 00	
M. E. Thomas, groceries	3 06	
J. G. Albee, groceries	18 00	
N. R. Barrows, groceries	73 00	
James Davis, groceries	68 00	
C. L. Stevens, groceries	100 00	
Charles S. Butters, groceries	104 00	
Lawler & Freeto, groceries	205 80	
James Bartley, groceries	328 45	
A. F. Carpenter, groceries	337 64	
R. M. Sturtevant & Co., groceries	560 05	
W. P. Blanchard, groceries	167 97	
C. F. Giles, groceries	351 56	
H. G. Applin, groceries	20 21	
Sawyer & Read, groceries	49 79	
James H. Maguire, groceries	109 00	
D. E. Watson, groceries	120 00	
A. E. Robie, groceries	141 00	
F. L. Card, groceries	93 00	
Duncan McKay, groceries	111 75	
F. E. Cheney Co., groceries	145 00	
Edward Coliten, groceries	73 00	
Amounts carried forward	<u>\$28,057 41</u>	<u>\$29,026 13</u>

Amounts brought forward	\$28,057 41	\$29,026 13
D. J. Lawler, groceries	65 70	
D. A. McKay, groceries	71 50	
M. L. King, groceries	7 50	
E. S. Merriam, medicine	3 35	
Milton H. Plummer, medicine	35 06	
H. S. Garcelon, medicine	1 40	
Bell & Co., medicine	6 75	
The G. F. Harvey Co., medicine	8 05	
Fenelon's Pharmacy, medicine	9 75	
Mrs. Nettie King, nursing	20 00	
Charles W. Dailey, ambulance	5 00	
Thomas Groom & Co., stationery	23 15	
Hooper, Lewis & Co., stationery	3 25	
W. A. Greenough & Co., directory	3 00	
Little, Brown & Co., revised laws	7 00	
Smith Premier Typewriter Co., supplies	11 00	
Somerville Journal Co., printing	32 75	
New England Telephone & Telegraph Co., rentals and tolls	35 43	
Glines & Co., expressing	50	
M. G. Staples, expressing	1 00	
Support of Poor, City Home account, wood	258 49	
	<hr/>	
	\$28,667 04	
Excess and Deficiency, balance to credit of account	359 09	
	<hr/>	
		\$29,026 13
		<hr/> <hr/>

Taxes.

CREDIT.

Cash, received for taxes of 1893	\$22 00	
" " " " 1894	66 00	
" " " " 1895	147 58	
" " " " 1896	184 48	
" " " " 1897	254 22	
" " " " 1898	309 90	
" " " " 1899	607 13	
" " " " 1900	39,897 87	
" " " " 1901	261,357 39	
" " " " 1902	672,061 14	
	<hr/>	
		\$974,907 71
Overlay and Abatement:—		
Abatements on taxes of 1892	\$2 00	
" " " " 1893	66 00	
" " " " 1894	232 00	
" " " " 1895	1,247 14	
" " " " 1896	5,506 24	
" " " " 1897	234 00	
" " " " 1898	486 00	
" " " " 1899	1,576 00	
" " " " 1900	2,487 60	
" " " " 1901	898 20	
" " " " 1902	5,783 84	
	<hr/>	
		18,519 02
		<hr/>
Amount carried forward		\$993,426 73

Amount brought forward	\$993,426 73
Real Estate Liens, titles accrued to the city	1,529 78
Schoolhouse lot, Ward One, taxes, 1901	11 13
Land on Prospect Hill, tax of 1901	139 92
Sundry Persons, assessment 188 Rogers avenue ad- justed	7 95

\$995,115 51

Balance to debit of account, 1903:—

Being uncollected taxes of 1894	\$4 00
“ “ “ “ 1895	12 00
“ “ “ “ 1896	40 78
“ “ “ “ 1897	6,645 61
“ “ “ “ 1898	5,363 83
“ “ “ “ 1899	2,628 78
“ “ “ “ 1900	3,372 81
“ “ “ “ 1901	6,669 75
“ “ “ “ 1902	287,125 70

311,863 26

\$1,306,978 77

DEBIT.

Balance from 1901 \$342,008 09

Appropriations, amounts appro-
priated from current ex-
penses from Taxes of
1902, viz.:—

Assessors	\$10,050 00
City Auditor	725 00
City Clerk	6,350 00
City Engineer	11,900 00
City Messenger	2,000 00
City Solicitor	2,300 00
City Treasurer	9,000 00
Clerk of Committees and De- partments	4,000 00
Contingent Fund	3,800 00
Election Expenses:—	
City Clerk	700 00
Commissioner of Public Buildings	700 00
Pay of Election Officers	1,600 00
Registrars of Voters	1,500 00
Electrical Department	7,500 00
Executive Department	3,800 00
Fire Department	39,800 00
Health Department	44,500 00
Highways:—	
Construction	2,350 00
Removal of Brown-tail Moths	3,500 00
Inspection of Buildings	4,500 00
Interest	45,500 00
Military Aid	350 00
Police	33,000 00
Printing and Stationery	3,200 00

Amounts carried forward	\$242,625 00	\$342,008 09	\$1,306,978 77
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Amounts brought forward	\$242,625 00	\$342,008 09	\$1,306,978 77
Public Buildings Maintenance:—			
City Hall	3,500 00		
City Hall Annex	750 00		
Fire Department	3,800 00		
Health	500 00		
Highways	400 00		
Police	3,000 00		
Public Grounds	50 00		
Public Library	3,500 00		
Schoolhouses	45,500 00		
Sewer	50 00		
Support of Poor	500 00		
Water	100 00		
Public Grounds	9,500 00		
Public Library	14,500 00		
Reduction of Funded Debt	88,500 00		
School Contingent	21,000 00		
School Teachers' Salaries	228,000 00		
Sealer of Weights and Measures	1,100 00		
Soldiers' Relief	16,000 00		
Somerville Hospital	5,000 00		
Street Lights	63,000 00		
Support of Poor:—			
City Home	4,400 00		
Miscellaneous	21,300 00		
		776,575 00	
Commonwealth of Massachusetts, amount assessed for state tax		26,250 00	
Commonwealth of Massachusetts, amount assessed for payment of Metropolitan Sewer assessment, 1902		45,160 25	
Commonwealth of Massachusetts, amount assessed for payment of Metropolitan Park assessment, 1900 to 1902		33,916 19	
Commonwealth of Massachusetts, amount assessed for payment of national bank tax		1,196 05	
County of Middlesex, amount assessed for County Tax		54,994 82	
Street Watering, amount assessed for payment of a proportionate part of costs of watering streets for 1902		17,335 68	
Overlay and Abatement, amount added by the Assessors, including additional warrants		9,542 69	
		<u>9,542 69</u>	<u>\$1,306,978 77</u>

Temporary Loans.

CREDIT.

Balance from 1901			\$300,000 00
Cash, borrowed by authority of the Board of Aldermen on notes as follows:—			
City Note No. 518, nine months, 3.4 per cent.	\$100,000 00		
City Notes Nos. 519-522, ten months, 3.4 per cent.	100,000 00		
Amounts carried forward	\$200,000 00		\$300,000 00

APPENDIX TO TREASURER AND COLLECTOR'S REPORT. 151

Amounts brought forward	\$200,000 00	\$300,000 00
City Note No. 523, ten months, 3.47 per cent.	50,000 00	
City Note No. 524, seven months, discounted at 3¾ per cent.	50,000 00	
City Note No. 525, six months, 3.65 per cent.	100,000 00	
City Note No. 526, six months, 3½ per cent.	10,000 00	
City Note No. 527, seven months, 3¾ per cent.	50,000 00	
City Note No. 528, six months, 3½ per cent.	25,000 00	
City Notes Nos 531-538, six months, discounted at 4.96 per cent.	100,000 00	
City Note No. 539, six months, 4¾ per cent.	15,000 00	
City Note No. 540, seven months, 5 per cent.	50,000 00	
	<hr/>	650,000 00
City Note No. 518, renewed by No. 529, dated October 9, 1902, six months, at 4.75 per cent.		100,000 00
		<hr/>
		\$1,050,000 00

DEBIT.

Cash, paid as follows:—		
City Note No. 501, seven months 3¼ per cent.	\$50,000 00	
City Note No. 502, eight months, 3.6 per cent.	100,000 00	
City Note No. 515, five months, discounted at 4 per cent.	25,000 00	
City Note No. 516, five months, discounted at 4 per cent.	25,000 00	
City Note No. 517, six months, 3.7 per cent.	100,000 00	
City Notes Nos. 519, 520, 521, 522, \$25,000 each, ten months, 3.4 per cent.	100,000 00	
City Note No. 525, six months, 3.65 per cent.	100,000 00	
City Note No. 524, seven months, discounted at 3¾ per cent.	50,000 00	
City Note No. 526, six months, 3½ per cent.	10,000 00	
City Note No. 523, ten months, 3.47 per cent.	50,000 00	
City Note No. 518, renewed by No. 529, dated October 9, 1902, six months, at 4.75 per cent.	100,000 00	
	<hr/>	\$710,000 00
Balance to credit of account, 1903	340,000 00	
	<hr/>	\$1,050,000 00

Water Loan Interest.

CREDIT.

Water Works Income, amount appropriated	\$6,790 00
Amount carried forward	<hr/>
	\$6,790 00

Amount brought forward \$6,790 00

DEBIT.

Coupons maturing April 1, 1902:—		
\$91,000 six months, at 4 per cent.	\$1,820 00	
Coupons maturing July 1, 1902:—		
\$74,000 six months, at 4 per cent.	1,480 00	
\$10,000 six months, at 5½ per cent.	275 00	
Coupons maturing October 1, 1902:—		
\$91,000 six months, at 4 per cent.	1,820 00	
Coupons maturing January 1, 1903:—		
\$56,000 six months, at 4 per cent.	1,120 00	
\$10,000 six months, at 5½ per cent.	275 00	
		\$6,790 00

Water Maintenance.

CREDIT.

Water Works Income, amount appropriated		\$34,480 00
Water Works Extension, amount transferred		8,000 00
Cash, received of sundry persons, costs	\$228 00	
Watson Vidito, fittings	25	
James Hanley, fittings	2 00	
New England Dressed Meat & Wool Co., fittings	7 63	
E. B. Coffin, fittings	5 00	
E. L. White, fittings	1 50	
W. E. Daniels, fittings	1 50	
Daniel McIntire, replacing service	17 24	
I. A. Whitcomb, replacing service	36 47	
Alice T. Fuller, replacing service	19 39	
Max Ruben, iron	211 16	
John J. Morrow, old brass	21 92	
William D. Doris, old iron	1 50	
John McKenna, old iron	109 00	
Boston Elevated Railway Co., testing fire hose	4 00	
Parson Mfg. Co., pipe	18 00	
John Silk, pipe	10 00	
John P. Squire & Co., pipe, etc.	7 87	
Charles M. Berry, old pipe	4 50	
Catherine Fitzgerald, labor	1 50	
Charles I. Teague, labor	1 50	
L. B. Pillsbury, agent, labor	1 00	
Ellis & Buswell, labor	13 09	
W. J. McCarthy, casting	7 86	
Metropolitan Water & Sewerage Board, casting	12 25	
Thomas C. Connor, supply pipe	15 31	
W. L. Miller, supply pipe	27 83	
North Packing & Provision Co., laying pipe	221 34	
Henry W. Dow, manure	10 00	
Neptune Meter Co., difference in price	5 00	
Dudley F. Hunt, et al., deficiency in revenue	24 00	
Commonwealth of Massachusetts, labor	6 19	
Health Department account, laying service pipe for smallpox hospital	393 62	
Amounts carried forward	\$1,447 42	\$42,480 00

Amounts brought forward	\$1,447 42	\$42,480 00
Public Buildings Maintenance, School- houses account, labor	82 79	
Sewers Construction account, pipe	32 85	
Water Works Extension account, stock	10,972 82	
	<hr/>	12,535 88
		<hr/>
		\$55,015 88

DEBIT.

Cash, paid laborers	\$20,531 98	
Frank E. Merrill, salary as water com- missioner	2,300 00	
disbursements	89 69	
Edward M. Shedd, inspector	1,200 00	
Florence E. Barton, first assistant	780 00	
V. Florence Walker, second assistant	600 00	
Hobart S. Palmer, hay and grain	317 48	
G. W. Ladd, hay and grain	231 10	
N. Tufts & Sons, hay and grain	184 51	
Fulton O'Brion, hay and grain	130 73	
Edward O'Brien, horseshoeing	110 01	
J. B. Rufer, horseshoeing	33 00	
W. H. Hitchings, veterinary services	2 00	
C. H. Paine, horse medicine	5 00	
R. M. Sturtevant & Co., horses	100 00	
Charles L. Underhill, repairing wagons	247 83	
Hale & Mayhew Co., repairing wagons	22 15	
Spalding Harness Co., harness work	98 65	
Henry C. Hunt Co., leather	12 50	
F. Dooris, repairing tools	146 16	
I. B. Walker, repairing tools	7 90	
H. Wood, repairing tools	2 60	
F. W. Farrar, clock work	2 00	
Andrew J. Lloyd & Co., charts	3 05	
Perrin, Seamans & Co, tools	105 75	
Underhill Hardware Co., tools	99 95	
Charles A. Clafin & Co., tools	41 50	
Harold L. Bond & Co., tools	41 14	
A. J. Wilkinson & Co., tools	31 22	
Walworth Mfg. Co., tools	25 32	
Julian D'Este & Co., tools	4 00	
W. E. Plumer & Co., hardware	285 99	
New England Oil Co., oil	49 41	
I. H. Wiley & Co., oil	16 69	
Eastern Salt Co., salt	17 20	
Globe Gas Light Co., gasolene	14 20	
Chapman & Soden, pitch	6 50	
Frank Hervey, dynamite	6 90	
Miller & Shaw, machine labor	11 87	
A. W. Chesterton & Co., packing	8 61	
Sewall & Day Cordage Co., packing	38 52	
M. A. Simpson, sand	26 50	
C. F. Merrill, patterns	9 00	
D. Morrison, leather hose	14 60	
Jaques Bros. & Co., plugs	9 40	
American Tube Works, boiler tubes	17 48	
Henry R. Worthington, pump valves	2 25	
	<hr/>	
Amounts carried forward	\$28,042 34	\$55,015 88

Amounts brought forward	\$28,042 34	\$55,015 88
I. G. Marston & Co., hydrant valves	39 15	
Rensselaer Mfg. Co., valves	379 50	
Chapman Valve Mfg. Co., valves	40 40	
R. D. Wood & Co., hydrants	606 56	
Norwood Engineering Co., hydrants, etc.	450 00	
Hersey Mfg. Co., meters	160 75	
Neptune Meter Co., meters	153 85	
National Meter Co., meters	40 00	
Thomson Meter Co., meters	120 00	
Somerville Iron Foundry, castings	161 44	
Osgood & Witherly, castings	780 74	
Builders Iron Foundry, castings	749 07	
Davis & Farnum Mfg. Co., castings	44 10	
Scrannage Brothers, castings	117 33	
J. L. Mott Iron Works, castings	4 75	
City of Cambridge, castings	10 88	
Union Water Meter Co., fittings	881 30	
Peck Bros. & Co., fittings	12 39	
Coffin Valve Co., fittings	70 25	
Sumner & Goodwin Co., fittings	411 74	
A. P. Smith Mfg. Co., fittings	12 60	
Walworth Mfg. Co., fittings	18 20	
Braman, Dow & Co., pipe and fittings	1,024 46	
Chadwick-Boston Lead Co., pipe	229 34	
Lead Lined Iron Pipe Co., pipe	988 81	
U. S. Cast-Iron Pipe & Foundry Co., pipe	8,086 49	
R. D. Wood & Co., pipe	445 72	
Richards & Co., pig lead	1,331 29	
Cornelius Callahan Co., hose, etc.	17 20	
Crosby Steam Gage & Valve Co., repair- ing gages	6 85	
Frederick W. Gow, swivels	13 95	
S. W. Fuller, lumber	167 38	
George W. Gale Lumber Co., lumber	46 11	
I. H. Brown Moulding Co., sawing	25	
F. W. Gilbert, rubber boots	6 15	
Philip Eberle, rubber boots	5 50	
Boston & Albany Railroad Co., labor	2 25	
Boston & Maine Railroad Co., labor	2 12	
freight	804 28	
Barber Asphalt Paving Co., repairing Cross street	4 00	
Wellington-Wild Coal Co., fuel	56 55	
Charles Booth, wood	44 00	
Fresh Pond Ice Co., ice	49 69	
Cambridge Ice Co., ice	40 98	
Winter Hill Ice Co., ice	27 38	
W. L. Snow & Co., paint	3 40	
J. P. Wahlstrom & Son, paint	36 00	
Howe & Flint, tin cups	20	
W. S. Howe, tin cups	3 00	
Waldo Bros., cement	45 29	
Mrs. I. P. Turner, repairing floor	13 75	
Edward Kendall & Sons, repairing boiler	6 37	
Priest, Page & Co., repairing scale	2 60	
J. H. Brooks, flannel, etc.	9 60	
Amounts carried forward	\$46,828 35	\$55,015 88

Amounts brought forward	\$46,828 35	\$55,015 88
Michael Caldon, filling	2 50	
Thomas Casey, brick	8 00	
Sprague & Hathaway Co., framing picture	8 30	
Smith Premier Typewriter Co., supplies	3 82	
Municipal Engineering Co., subscription	2 00	
"Engineering News," subscription	5 00	
"Fire and Water," subscription	3 00	
A. C. Libby & Sons, stationery	1 00	
Thomas Groom & Co., books and stationery	122 85	
E. C. Hartshorn, photographs	2 75	
W. A. Greenough & Co., directory	3 00	
Somerville Journal Co., printing	287 70	
Somerville Post-office, stamps	10 00	
Carter's Ink Co., ink	1 13	
Eliza A. Stone, claim	10 00	
James A. Wilkins, claim	75 00	
Michael Donovan, compensation for damages	24 00	
New England Telephone & Telegraph Co., rentals and tolls	161 40	
H. S. Garcelon, use of telephone	50	
Boston Elevated Railway Co., car tickets	45 00	
American Express Co., expressing	2 30	
Gilman Express Co., expressing	80	
Crimmings & Elkins, teaming	13 50	
	<hr/>	
	\$47,621 90	
Water Works Extension account, amount transferred	700 00	
	<hr/>	
	\$48,321 90	
Water Works Income, balance to credit of account	6,693 98	
	<hr/>	
		\$55,015 88
		<hr/> <hr/>

Water Service Assessments.

CREDIT.

Cash, received of sundry persons, cost of services laid \$3,575 80

DEBIT.

Water Works Extension, amount transferred \$3,575 80

Water Works, Abatements on Water Charges.

CREDIT.

Water Works Income, amount appropriated \$410 00

DEBIT.

Cash, paid sundry persons, money refunded \$225 70

Metered Water Charges, water charges abated 134 50

\$360 20

Water Works Income, balance of appropriation returned 49 80

\$410 00

Water Works Extension.

CREDIT.

Water Works Income, amount appropriated	\$20,000 00
Water Maintenance account, amount transferred	700 00
Water Service Assessments, amount collected for services laid	3,575 80
	<hr/>
	\$24,275 80

DEBIT.

Cash, paid laborers	\$5,167 10
Water Maintenance account, service stock	10,972 82
	<hr/>
	\$16,139 92
Water Maintenance account, amount transferred	8,000 00
	<hr/>
	\$24,139 92
Water Works Income, balance to credit of account	135 88
	<hr/>
	\$24,275 80
	<hr/> <hr/>

Water Works Income.

CREDIT.

Metered Water Charges, water bills uncollected, 1902	\$120 90
Metered Water Charges, last quarter 1902 uncollected	13,891 78
Water Maintenance, balance of appropriation returned	6,693 98
Water Works Extension, balance of appropriation returned	135 88
Water Works, Abatements on Water Charges, balance of appropriation returned	49 80
Commonwealth of Massachusetts, proportion of water receipts:—	
1901, additional	\$59 89
1902	847 64
	<hr/>
	907 53
Cash, received of sundry water takers	200,087 33
	<hr/>
	\$221,887 20

DEBIT.

Water Maintenance, amount appropriated	\$34,480 00
Interest (Sewer), amount appropriated	6,622 00
Interest (Water), amount appropriated	6,790 00
Water Works Extension, amount appropriated	20,000 00
Water Works, Abatements on Water Charges, amount appropriated	410 00
Sewers Maintenance, amount appropriated	10,500 00
Fire Department, amount appropriated	22,000 00
Commonwealth of Massachusetts (Metropolitan Water Assessment), amount appropriated	62,397 89
Health Department, amount appropriated	7,500 00
Reduction of Funded Debt	51,187 31
	<hr/>
	\$221,887 20
	<hr/> <hr/>

Table D.—Balances December 31, 1902.

Cash	\$27,177 62	
Election Expenses:—		
Pay of Election Officers	4 00	
Registrars of Voters	59 58	
Health Department	699 02	
Highway Betterment Assessments	5,078 73	
Highways:—		
Boston-avenue Bridge	706 86	
Construction	4,324 45	
Construction Munroe Street and Stone Avenue	242 38	
Paved Gutters and Crossings	9,382 27	
Removal Brown-tail Moths	2,130 09	
Watering Streets	204 54	
Interest	1,651 47	
Massachusetts, Commonwealth of	14,303 00	
Military Aid	232 50	
Metered Water Charges	14,189 92	
Overlay and Abatement	4,589 97	
Public Buildings Maintenance:—		
City Hall Annex	189 03	
Fire Department	1,808 61	
Public Library	673 59	
Schoolhouses	1,470 16	
Support of Poor	371 41	
Water Department	33 95	
Public Library, Isaac Pitman Investment	5,000 00	
Public Property	3,602,384 98	
Real Estate Liens	2,140 00	
School Contingent	3,008 25	
School Teachers' Salaries	1,410 47	
Sewer Assessments	5,061 79	
Sidewalk Assessments	6,294 02	
Sidewalks Construction	1,525 09	
Maintenance	3,176 79	
Soldiers' Relief	1,829 59	
Support of Poor, City Home	187 83	
Taxes	311,863 26	
Assessors		\$213 45
City Auditor		24 25
City Clerk		202 01
City Engineer		35 07
City Messenger		85
City Solicitor		197 07
City Treasurer		1,096 53
Clerk of Committees and Departments		90 90
Contingent Fund		79 85
Coupons Unpaid		25,942 50
Election Expenses:—		
City Clerk		51 13
Commissioner of Public Buildings		41 07
Electrical Department		260 96
Steam Fire Alarm Whistle		500 00
Executive Department		66 50
Fire Department		200 91
Funded Debt		1,477,000 00
Amounts carried forward	\$4,033,405 22	\$1,506,003 05

Amounts brought forward	\$4,033,405 22	\$1,506,003 05
Highways Maintenance		1,770 81
Middlesex-avenue Bridge		109 63
Paving Washington Street		212 46
Shade Trees		247 32
Inspection of Buildings		80 65
Joseph F. Wilson Memorial		2,375 00
Overplus on Tax Sales		118 13
Police		6,044 75
Printing and Stationery		120 99
Property and Debt Balance		2,125,384 98
Prospect Hill Park		1 34
Public Buildings Construction:—		
Schoolhouse in Ward One		290 93
Schoolhouse in Ward Seven		24,515 05
Public Buildings Maintenance:—		
Armory		420 00
City Hall		131 90
Health Department		127 84
Highways		351 48
Police		1,074 85
Public Grounds		28 22
Sewer Department		86
Public Grounds		30 49
Glen-street Addition		800 00
Land on Prospect Hill		131 60
Public Library		93 55
Isaac Pitman Fund, Art		4,000 00
Isaac Pitman Fund, Poetry		1,000 00
Isaac Pitman Fund, Income, Art		16 56
Isaac Pitman Fund, Income, Poetry		48 63
Reduction of Funded Debt		12,147 99
Sealer of Weights and Measures		85 81
Sewers Construction		4,288 29
Maintenance		4 23
Street Lights		514 53
Support of Poor, Miscellaneous		359 09
Sundry Persons		474 21
Temporary Loans		340,000 00
	<u>\$4,033,405 22</u>	<u>\$4,033,405 22</u>

APPROVAL OF TREASURER'S REPORT.

In Committee on Finance, January 30, 1903.

To the Board of Aldermen of Somerville:—

The Committee on Finance, to which was referred the report of the Treasurer and Collector of Taxes for the year 1902, reports that, in conjunction with the Auditor, it has examined and audited the books and accounts of the Treasurer and Collector of Taxes for the year ending December 31, 1902, and in the manner prescribed by Section 7 of Chapter 4 of the Revised Ordinances of 1900.

In connection with this examination, a careful comparison has been made of the books of the City Auditor, and with the financial statements received from the several committees, boards, and officers of the city, accountable for the use of the city funds. The cash account has been verified by actual count of the cash on hand, and the balances shown to be in the banks of deposit have been confirmed by the officials of the banks.

The committee further reports, as a result of the examination, that no errors were discovered in the accounts and books of the Treasurer and Collector, and recommend that his report be accepted and printed in the Annual Reports of 1902.

JOSEPH S. PIKE,	}	<i>Committee</i>	
WARREN C. DAGGETT,			
FRANK A. NOYES,		}	<i>on</i>
EDWIN N. SIMONDS,			
RALPH A. LANDERS,			
HORACE A. BELCHER,			
CHARLES S. GILMAN,	}	<i>Finance.</i>	

In Board of Aldermen, February 12, 1903. Accepted.

GEORGE I. VINCENT, City Clerk.

REPORT OF THE SCHOOL COMMITTEE.

School Committee Rooms, December 26, 1902.

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.

G. A. SOUTHWORTH,
Secretary of School Board.

SCHOOL COMMITTEE, 1902.

S. NEWTON CUTLER, Chairman
 GEORGE A. MILES, Vice-Chairman

Members.

	Term expires January.
WARD ONE.	
GEORGE S. POOLE, 46 Mt. Vernon street.	1903
S. NEWTON CUTLER, 28 Flint street.	1904
WARD TWO.	
EDWARD J. FLYNN, 273 Washington street.	1903
JOHN H. O'NEIL, 44 Oak street.	1904
WARD THREE.	
DANA W. BENNETT, 41 Putnam street.	1903
GEORGE E. WHITAKER, 75 Walnut street.	1904
WARD FOUR.	
WILLIAM P. JONES, 13-A Maple avenue.	1903
GEORGE W. W. WHITING, 282 Broadway.	1904
WARD FIVE.	
J. WALTER SANBORN, 183 Central street.	1903
QUINCY E. DICKERMAN, 85 Central street.	1904
WARD SIX.	
FRED M. CARR, 12 Westwood road.	1903
FREDERICK A. P. FISKE, 44 Cherry street.	1904
WARD SEVEN.	
HENRIETTA B. H. ATTWOOD, 18 Herbert street.	1903
GEORGE A. MILES, 249 Elm street.	1904

The Committee holds its regular meetings on the last Monday evening of each month, except July, August, and December, at 8.15 o'clock. The last meeting of the year is held on the Friday next preceding the first Monday of January.

Superintendent of Schools,

GORDON A. SOUTHWORTH.

Office: City Hall Annex, Highland avenue.

Residence: 40 Greenville street.

The Superintendent's office will be open from 8 to 12, and from 1.30 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.

Cora S. Fitch, Superintendent's clerk, 273 Medford street.

STANDING COMMITTEES, 1902.

High Schools.—Miles, Cutler, Flynn, Bennett, Whiting, Sanborn, Carr.
LATIN, ENGLISH.

District (or Ward) I.—Poole, Cutler.
PRESCOTT, HANSCOM, DAVIS, BENNETT.

District (or Ward) II.—Flynn, O'Neil.
KNAPP, PERRY, BAXTER.

District (or Ward) III.—Bennett, Whitaker.
POPE, PROSPECT HILL, BELL, CUMMINGS.

District (or Ward) IV.—Jones, Whiting.
EDGERLY, GLINES.

District (or Ward) V.—Sanborn, Dickerman.
FORSTER, BINGHAM.

District (or Ward) VI.—Carr, Fiske.
CARR, MORSE, DURELL, BURNS, BROWN.

District (or Ward) VII.—Mrs. Attwood, Miles.
HIGHLAND, HODGKINS, LINCOLN.

Additional School Accommodations.—Cutler, O'Neil, Bennett, Jones,
Sanborn, Carr, Miles.

Evening Schools.—Dickerman, Bennett, Fiske.

Finance.—Flynn, Poole, Bennett.

Industrial Education.—Carr, O'Neil, Mrs. Attwood.

Music.—Mrs. Attwood, Whitaker, Dickerman.

Private Schools.—Whiting, Flynn, Carr.

Repairs of School Buildings.—O'Neil, Whitaker, Jones.

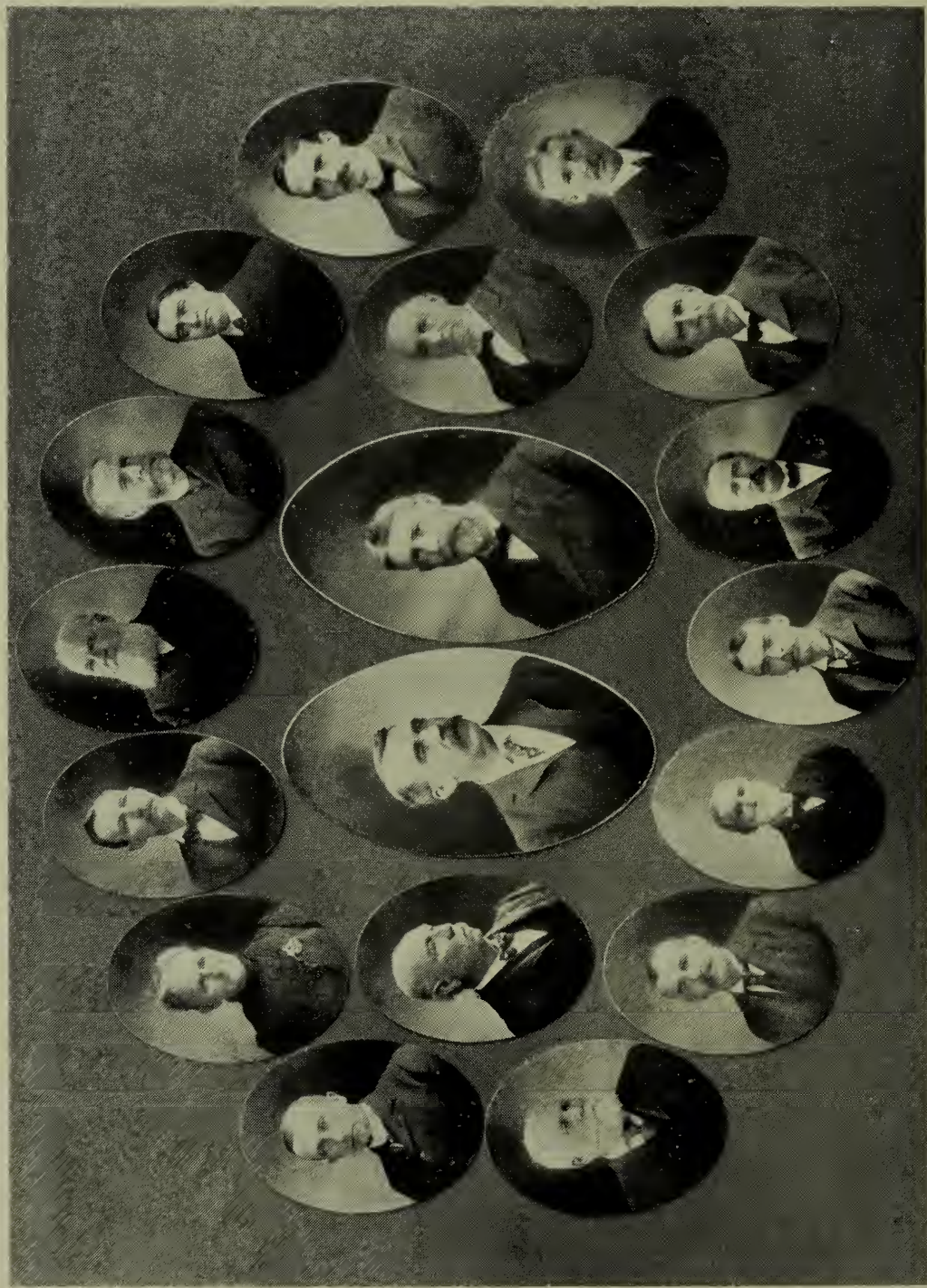
Rules and Regulations.—Jones, O'Neil, Fiske.

Salaries.—Poole, Whiting, Sanborn.

Supplies.—Sanborn, Poole, Miles.

Text-Books and Courses of Study.—Fiske, Cutler, Flynn, Whitaker,
Jones, Dickerman, Mrs. Attwood.

FIRST SCHOOL BOARD OF SOMERVILLE UNDER THE SECOND CHARTER, 1900.



F. A. P. FISKE. MRS. ATTWOOD. G. A. MILES. G. A. SOUTHWORTH. G. S. POOLE. E. J. FLYNN. J. H. O'NEIL.
 JAIRUS MANN. JAMES F. BEARD. S. NEWTON CUTLER. L. H. SNOV.
 M. W. CARR. J. W. SANBORN. Q. E. DICKERMAN. W. P. JONES. G. W. W. WHITING. A. B. DEARBORN. D. W. BENNETT.

REPORT OF THE SUPERINTENDENT OF SCHOOLS.

To the School Committee of Somerville:—

The thirty-first year of the educational life of our city has been a prosperous one, free from any unusual interruptions and distractions that would tend to interfere with the progress and efficiency of the work of the schools.

In considering the year's record, your attention is first of all invited to the following

Summary of Statistics

arranged for ready reference and comparison with that of last year:—

1.—POPULATION OF SOMERVILLE.

United States census, 1890.....	40,117
State census, 1895.....	52,200
United States census, 1900.....	61,643
Estimated population, 1902.....	65,273
Children between five and fifteen, Census returns, 1901.....	10,715
“ “ “ “ “ “ “ “ 1902.....	11,203
Increase	488

2.—SCHOOL BUILDINGS.

	1901.	1902.	Increase.
Number of school buildings.....	25	24	—1
Number of classrooms.....	230	232	2
Valuation of school property.....	\$1,180,047	\$1,237,496	\$57,449

3.—TEACHERS.

	1901.	1902.	Increase.
In high schools.....	44	45	1
In grammar schools.....	132	143	11
In primary schools.....	92	89	—3
In kindergartens	8	8	0
Total in elementary schools.....	232	240	8
Special	7	7	0
Total	239	247	8

4.—ATTENDANCE FOR YEAR.

	1901.	1902.	Increase.
Entire enrollment for the year.....	12,499	13,116	617
Average number belonging.....	9,991	10,402	411
Average number attending.....	9,350	9,733	383
Per cent. of daily attendance.....	93.6	93.5	—0.1
High school graduates.....	153	164	11
Grammar school graduates.....	497	497	0

5. — ATTENDANCE IN DECEMBER.

	1901.	1902.	Increase.
Whole number attending.....	12,296	12,648	352
In private schools.....	1,653	1,679	26
In public schools.....	10,643	10,969	326
In high schools.....	1,071	1,148	77
In elementary schools.....	9,381	9,264	243
In kindergarten.....	191	197	6
In first grade.....	1,502	1,585	83
In second grade.....	1,322	1,266	—56
In third grade.....	1,256	1,232	—24
In fourth grade.....	1,174	1,205	31
In fifth grade.....	1,096	1,183	87
In sixth grade.....	1,038	1,021	—17
In seventh grade.....	826	932	106
In eighth grade.....	616	687	71
In ninth grade.....	542	513	—29

6. — COST OF SCHOOL MAINTENANCE.

	1901.	1902.	Increase.
Salaries of teachers.....	\$221,740.00	\$229,410.00	\$7,670.00
Salaries of officers.....	4,816.00	4,800.00	—16.00
Cost of books and supplies....	18,707.00	19,386.00	679.00
Cost of light.....	1,731.00	1,803.00	72.00
Cost of janitors' services.....	20,078.00	20,859.00	781.00
Cost of fuel.....	13,723.00	10,489.00	—3,234.00
Total cost of day and evening schools	280,796.00	286,747.00	5,951.00
Per capita cost.....	28.10	27.57	—0.53
Cost of high school instruc- tion	47,710.00	50,078.00	2,368.00
Per capita cost.....	47.71	46.63	—1.08

7. — MISCELLANEOUS.

	1901.	1902.	Increase.
Paid for new school buildings	\$49,203.00	\$56,501.00	\$7,298.00
Repairs and permanent improvements	11,000.00	13,079.00	2,079.00
Total school expendi- tures	340,999.00	356,327.00	15,328.00
Valuation of city.....	53,924,200.00	55,485,370.00	1,561,170.00
Per cent. of valuation spent to maintain schools	0.521	0.517	—0.004
Per cent. of valuation spent for all school purposes.	0.632	0.642	0.010

School Buildings. The most notable improvement of the year in our school accommodations is the completion of a new, modern, twelve-room schoolhouse in the southerly part of Ward 1. It is located in the centre of a populous district, whose residents demand for the necessarily short school life of their children the best the city can furnish in the way of both school architecture and instruction. The needs of the district have heretofore been approximately met in two primitive buildings,

erected,—one, forty years ago, and the other, thirty-four,—when Somerville was a town of less than 10,000 inhabitants. The older of these buildings was demolished to make way for the new structure. The other remains on a commodious lot, available, after thorough renovation, as a branch library and reading room, or as a centre for a social settlement under charge of some one of our philanthropic women's clubs or other organizations.

The completion of the new building has also enabled us to dispense with the old Prospect Hill schoolhouse, which has been used by six generations of school children. Somerville was a town of 4,000 people in 1852, when this building was erected to accommodate the Prospect Hill Grammar School, which had outgrown its modest quarters, in what is now Central Square. Two rooms only were at first provided, an addition of four rooms being made in 1865. It was the only grammar school building in its section of the city until 1874. Many of our foremost citizens recall with pleasure their early school life within its walls under the instruction of sturdy teachers, the memories of two of whom will ever be kept green in the names borne by two of our prominent schools. While this building will never again be needed for regular school purposes, it may be remodelled and repaired, and used in part for manual training and cooking schools, and in part as a club-house for boys, who greatly need rooms for reading, exercise, and recreation as substitutes for other places of rendezvous whose influences are far too likely to be injurious.

The new building is of three stories, plain, but substantial in its architecture, and modern in every particular. It contains twelve well-lighted, well-ventilated rooms, besides those for the use of teachers and for the storage of supplies. Toilet rooms for children are provided in the basement, and on the first and second floors. It is, of course, steam-heated by direct and indirect radiation. It is ventilated by the gravity system, each child being furnished with thirty cubic feet of air per minute.

The cost of the building is as follows:—

Additional land purchased.....	\$1,295.34
Construction and furnishings.....	47,459.30
Total	<u>\$48,754.64</u>

On recommendation of the School Committee, the Board of Aldermen unanimously voted to give to the school the name of a gentleman long and closely identified with the educational and financial interests of the town and city. It was therefore named the Clark Bennett School.

Clark Bennett was born in Londonderry, Vt., November 3, 1810. His ancestors were among the early settlers of Groton, Mass. His grandfather, David, early joined the Continental Army, and served in the siege of Boston. Mr. Bennett was the eldest son of nine children.

When he was twenty-one years old, he settled in Somerville, then Charlestown, where for twenty-five years he successfully carried on the

brick business, then a leading industry of the town. Later he followed the insurance business.

Mr. Bennett's actions on all public matters requiring his attention were controlled by a conscientious desire to do right, as well as a full knowledge of the requirements, present and future, of our growing city. The abatement of the Miller's River nuisance, the inauguration of an excellent sewerage system, more especially for West Somerville, the widening and grading of Somerville avenue, and the construction of the public park, all bear witness to his unremitting efforts to place Somerville on a par with her sister cities.

The record of Mr. Bennett's official service includes eleven years on the School Committee, a part of the time its chairman, the town treasurership, and three years' service on the Board of Aldermen.

Mr. Bennett died January 6, 1882.

The Bennett School was named in his honor by vote of the School Board April 8, 1868, and the new school which replaced it was called the Clark Bennett School by vote of the Board of Aldermen January 1, 1902.

Somerville now has twenty-four school buildings, modern in structure, well heated and ventilated, and fairly well adapted to school purposes. Some of the older buildings are still poorly lighted and much need additional windows. One, the Davis, should at once be thoroughly renovated, especially as to its sanitariousness. Three buildings, the English, Hodgkins, and Carr, would be greatly improved by having their walls tinted. It is pleasing to record the fact that our school buildings are being gradually adorned with pictures and other works of art, which are silently, but effectively, developing and stimulating in the children a love for the beautiful. Dingy, discolored walls do not invite decorations. In this connection, we are pleased to acknowledge the gift of one hundred dollars from Mr. George L. Baxter for the adornment of the school which bears his honored name, and the gift of twenty-five dollars from one of our leading women's clubs for the purchase of pictures for the Bennett School. Two schools, the Perry and the Brown, have been provided with pianos through the energy and enterprise of their principals and teachers in securing funds by means of public entertainments.

Additional Accommodations. A Somerville School Report would not be recognized if it did not contain an urgent demand for more schoolhouses. Such omission would show that the growth of the city, so rapid and continuous since its incorporation, had come to an end. Of this there are no present indications. Indeed, judging from all the data available, the increase of population has been greater in 1902 than in any other year of the last five. There are 350 pupils more in the public schools to-day than there were one year ago. There are 861 children now on half-time, and 125 more that are occupying unsuitable rooms. Here, in round numbers, are a thousand children without suitable accommodations for a full school day. To place them under normal school conditions requires at once sixteen schoolrooms. Eight of these are in process of construction. The other eight are yet to be planned and provided for. More-

over, the high schools are struggling with plethoric conditions that greatly interfere with the efficiency of their work. This is the general situation, the importance of which justifies a more detailed statement.

High Schools. The state of affairs at the English School is identical with that of last year. The membership is the same. Two hundred pupils more than the building can accommodate are crowded into lecture hall, laboratories, store-rooms, and corridors. Even clothes closets are utilized as recitation rooms. All departments are cramped for room and their efficiency thus diminished. Desirable extensions of courses are prevented, and the possibilities of the school remain unrealized.

In the Latin School there has been an increase of fifty-four pupils, and each year aggravates the untoward conditions. The full time of eleven instructors,—including the Head Master, who should be given opportunity for supervision,—has been employed. This compels the use of the basement as a recitation room, and exhausts all the teaching facilities in the building. And it does more, for it gives thirty-three pupils to every teacher, where the normal class unit in every well-regulated high school is only twenty-five. The Physics Department still uses the same undesirable quarters below ground, and classes and teachers are still compelled to use two afternoons each week in order to accomplish the required work. The school has reached the limit of its growth in the present building, and its usefulness is greatly impaired by its constrained and deficient accommodations. It is greatly to the credit of the teaching force in each school that their efforts in overcoming the many obstacles in their way are so successful.

The problem is serious and urgent and demands an immediate solution. As to the pressing needs all interested are in hearty agreement. There has been full discussion of the various schemes of relief. One plan after another has been set aside as not feasible or as inadequate, and the conviction has grown to be nearly unanimous that there is but one thing to be done.

This is,—the adoption of a large, comprehensive, harmonious plan that shall provide not only for the present exigency, but for all probable requirements for a reasonable future. Such a plan involves (1) the construction of a building for the Latin School just east of the present one that shall be the counterpart of the present English building; (2) an addition to the northeast part of the English schoolhouse that shall increase its capacity one-third; and (3) a building for the common use of both schools that shall connect the two buildings and contain an adequate assembly hall, science laboratories, drawing-rooms, a gymnasium, and whatever else may be needed to perfect a model plant for high school purposes.

This plan when consummated would bring all departments, classical, English, commercial, science, and industrial training,

under a single administrative head in the interests of unity and economy. It need not be executed in detail at one time, but of necessity must be outlined and agreed upon at the start, that architectural harmony and the greatest utility may be secured. Nor should the expense of the undertaking, which will be unavoidably large, be levied upon present taxpayers alone, but so distributed that future citizens who share its benefits may also have the privilege of sharing its burdens.

Immediate action is imperative, and will surely be welcomed by all who have at heart the educational interests and prosperity of our fair city, whose citizens, while not perhaps opulent, are always openhanded and generous when the welfare and education of its youth are at stake.

Ward One. The wisdom of making the Clark Bennett School one of twelve rooms instead of smaller was justified by the filling of ten of its rooms in September. Another room will be occupied at the opening of another school year.

One hundred children in the first grade of the Prescott are attending on half-time, as has been the case for three years, and as must continue to be the case so long as the Hanscom Kindergarten is maintained, unless additional room is provided. Whether the kindergarten is more valuable as a factor in the education of the children than attendance for a full day during their first primary year, is a two-sided question. There are nearly three hundred first-grade children within the reach of this kindergarten, of whom only one in six can enjoy its advantages. If all of these could receive kindergarten training during their fourth year, a half-day session might suffice for their fifth year, but unfortunately, the children now on half-time are the ones that do not have this training. An addition of two rooms to the Hanscom, provided for in the original plan of the building, would relieve the situation.

Wards Two and Three. There has been no increase in the school population in these wards during the year, according to the census. The sixth room in the Baxter School was occupied in September. It is pleasant to be able to say that the accommodations in these wards are ample for present needs.

Wards Four and Five. All first-grade children in the Edgerly, Glines, and Forster schools are on half-time, and the number in the Bingham is so large as to compel the employment of an assistant. Moreover, two basement rooms in the Forster Annex, never intended for regular school purposes and unsuitable therefor, are in use. Relief for the congestion in these schools can be found in the enlargement of the Bingham school-house and the transfer of pupils. A six-room building, very near the Bingham, is, next to high-school demands, the most urgent need for the year 1903. It should be begun at once, and its construction pushed so that it may be ready for use at the beginning of the next school year.

Wards Six and Seven. These rapidly growing wards, like Wards Three and Four, are considered together because the location of school buildings, without regard to existing ward lines, renders it difficult to do otherwise. At the present time seventeen hundred children in various parts of the city reside in one ward and attend school in another. This must continue to be the case until district boundaries are changed, or present school buildings removed to other localities, both of which contingencies seem remote.

In these wards there are at present eight school buildings, all of which are crowded. In six of them more than five hundred children attend on half-time, in the seventh an extra teacher is employed, and in one an unsuitable basement room is in use. To relieve this congestion an eight-room building is in process of construction on Morrison avenue, in the easterly part of Ward Seven. Upon its completion in September, 1903, it will be at once filled by the transfer of three classes from the Hodgkins, one from the Highland, two from the Brown, and two from the Burns. This provides for no future growth, nor does it relieve in any way the Morse or the Carr schools. Even if we should settle down upon the plan of giving first-grade pupils nothing but half-time schools,—a subject discussed in later pages of this report,—a new building must be provided somewhere in the easterly section of Ward Six at an early day. The Standpipe lot on Lowell street, near Summer, furnishes an admirable location for a primary school. To it all the primary children in the Morse, and two classes in the Carr, could be transferred, leaving the former distinctively a grammar school. This is in accordance with the general plan,—so often advocated in these reports and so generally adopted outside of Somerville,—of using our large buildings for grammar schools, primary classes being excluded and distributed among smaller buildings easily accessible to little children. Opportunities to carry out this plan have been neglected, so that in the immediate future two new grammar school centres are inevitable with an annual outlay of \$2,000, which under the other plan would have been saved. The Brown school furnishes one of these centres. The present building should at once be enlarged by the addition of four rooms, every one of which would be filled in September, 1904.

A recapitulation of our needs for increased schoolhouse accommodations, arranged in order of urgency, shows them to be:—

1. A new Latin building and an addition to the English building so constructed as ultimately to be connected by a third structure common to both.

2. A six-room building in proximity to the Bingham school in Ward Five.

3. A primary building on the Standpipe lot in Ward Six.

4. A four- or six-room enlargement of the Brown school in Ward Six.

5. The addition of two rooms to the Hanscom schoolhouse in Ward One.

School Census. In accordance with statutory requirements, a census of children between five and fifteen years of age was taken in October. As far as Somerville is concerned, this census has no special value, all the essential information being easily obtainable in simpler and more economical ways. It, however, disclosed the following facts:—

The whole number of children between the ages of five and fifteen on the first day of October, 1902, was 11,203, an increase of 488 over the preceding year. Of this increase, Ward One has furnished only twenty, and Ward Four, twenty-seven. The largest growth has been in Ward Five, 213, and in Wards Six and Seven, where the increase has been 136 and 101, respectively. There has been a decrease of two in Ward Two and seven in Ward Three.

On the same date 406 more children were in attendance at the public schools, and 117 at private schools, 523 in all, than in 1901. This difference of thirty-five is probably due to omissions by the census takers, as the school count is reliable. It is safe to say that there has been an increase of 500 school children, ten schoolroomfuls, in the city during the year.

There are 246 children under seven,—the minimum compulsory age,—who are being kept at home by their parents; fifty between seven and fourteen, who do not attend on account of physical infirmities; and eighty-six, fourteen years of age, who are at work,—a total of 390 children in the city between the ages of five and fifteen who are out of school.

Pupils. The schools have kept 185 days, or exactly thirty-seven weeks this year. The loss of fifteen days from the theoretical year has been distributed as follows:—

There were five legal holidays; three days were lost from stormy weather; one day was given to the Middlesex Teachers' Association; and six days were taken in June, at Thanksgiving, and at Christmas in extension of the vacations.

Thirteen thousand, one hundred and sixteen pupils have been enrolled in the public schools in 1902, of whom 2,694 have been connected with the schools for a portion of the year only, making the average membership for the year 10,402, an increase of 411 over the preceding year. Ninety-three and five-tenths per cent. of this number, or 9,728, have been in attendance all the time. This loss of 6 1-2 per cent. is due chiefly to the sickness and quarantine of pupils. Very little time is lost by preventable absence.

There have been 3,335 cases of tardiness, one out of 1,023 chances, and 1,978 dismissals, or one in every 1,822 opportunities.

There have been 272 cases of truancy resulting in a loss of 734 half-days of school time. Only sixty per cent. of these cases have been investigated by the truant officer. Corporal punishment has been administered 328 times.

On the 15th of December, the number of pupils in the schools was as follows:—

In the Latin School.....	370
In the English School.....	778
In the elementary schools.....	9,624
In the kindergartens.....	197
A total of.....	<u>10,969</u>

Adding to this number the 1,679 pupils in private schools, we have 12,648 school children in the city.

Although schools did not open until the second Monday of September, 10 per cent. of the pupils did not enter promptly.

Teachers. There are at the present time in the service of the city as teachers, twenty-six men and 266 women, a total of 292.

Twenty-three teachers have resigned during the year. One of them, Lydia J. Page, of the Cummings school, had been in service thirty-three years. The average term of the service of the other twenty-two was three years, eight months. Thirteen of these left us for more lucrative positions in other cities, seven for marriage, and the remainder for study or other reasons. It is complimentary to the character of our teaching corps to have teachers' colleges, normal schools, and neighboring municipalities that seek the best, supply their needs at our expense. During the last ten years, seventy-three teachers have thus been called away by higher salaries, and the fact that our losses in this direction are this year considerably above the average shows that the supply is kept up and a high standard maintained. It was argued two years ago when a general increase of salaries was made, that it would lead to the retention of our best teachers, but this does not prove to be the case. Our teachers are drawn away by offers of from \$800 to \$1,000, and with these figures we cannot compete. It is not necessarily a disadvantage to lose teachers in this way. The loss comes in failure to make their places good, in replacing the thousand-dollar woman by the three-hundred-dollar kind. We want teachers of superior ability, with aspirations for broader fields and higher pay, rather than those who congratulate themselves upon employment of any sort and settle down contented with dull mediocrity of attainment. Nor is the fact that such teachers serve only a short time an objection to their selection. "Better fifty years of Europe than a cycle of Cathay." They accomplish good work, they elevate the standard, they inspire others, and they often leave behind them fragrant memories and examples for imitation.

It will not be thought invidious to say that the English High School has been signally unfortunate in the loss of three teachers who had been in the school from its beginning, and who had done much to establish their departments on lasting foundations. Miss Anderson in biology, Miss Hitchcock in French, and Miss Dixon in commercial work, will long be gratefully remembered for their unusually efficient service.

To supply the vacant places, twenty-six teachers have been elected during the year, all but two at the maximum salary. Nearly all of them are experienced and successful teachers, and have been called from neighboring cities or towns where they were highly esteemed for excellence of service. They will doubtless maintain our high standard, do for us good work, and in due season leave us for more inviting fields.

Indisputably President Eliot of Harvard stands at the head of American educators. His deliberate utterances should have great weight. Several quotations will be made in this report from an address very recently given, and published in full in "The World's Work" for December, 1902.

Concerning teachers he speaks as follows:—

The next object for additional expenditure is better teachers. Of course, teachers should know well the subjects which they are to teach; but that is by no means sufficient. Every teacher should also know the best methods of teaching his subjects. College professors heretofore have been apt to think that knowledge of the subject to be taught was the sufficient qualification of a teacher; but all colleges, as well as all schools, have suffered immeasurable losses as a result of this delusion. Of course, it is better for a teacher to know his subject without knowing the right method of teaching it, than to acquire a formal method without knowing the subject; because a conscientious teacher, by experimenting on his pupils, may in years acquire a good method at their expense; but teachers who are acquainted at the start with both subject and method are what schools and colleges urgently need. To secure this double proficiency means a greater expenditure on the training of teachers. Under the head of better teachers may best be mentioned certain specific desiderata, such as a larger proportion of women teachers who have been educated at college, and a larger proportion of both men and women who have received a genuine normal school training. All these are expensive desiderata.

Latin School. The membership of this school is now 370, as against 317 a year ago. This increase of pupils was hardly expected, and may, perhaps, in part be attributed to the overcrowding of the neighboring school. An additional instructor, Mr. Hosmer, was engaged at the beginning of the school year in September, on the basis of the old number of pupils. Without the Head Master, whose time should not be spent, as now, wholly in teaching, there are ten teachers to 370 pupils, a class average of thirty-seven to each teacher. This number, compared with the standard high school unit of twenty-five, is unreasonable. It is too large to justify the expectation of the best results. But it can be made no smaller, under existing conditions, for two or three additional teachers could

find no room in which to hear recitations. Until enlarged quarters are furnished, the school will labor under constantly increasing disadvantages.

Without repeating the arguments therefor, occasion is taken to renew the recommendation of former reports concerning the desirability, if not the necessity, of establishing a five years' course for this school. Even if enlarged facilities were furnished, there is not time for college-bound pupils to do more than they are now doing. It is only by dint of the most strenuous application, jeoparding health, that the demands are met. Sessions with fifty pupils are regularly held two afternoons each week with two teachers in physics as the only way of accomplishing requirements. A five years' course would change all this. It would give time for more moderate, and hence more permanent work. It would allow a broadening of the curriculum. Students bound for college could begin their preparation earlier or continue it later. This is an electric age, but undue haste in education is deplorable.

It goes without saying that a five years' course is impossible until a new building is provided, but it should be decided upon at once, that it may enter as a factor into the plans of construction. It would increase the demands for room twenty-five per cent.

The school graduated fifty-six pupils in June, thirty-one of whom entered college, and three, normal schools.

TABLE SHOWING LOSSES OF CLASSES IN LATIN HIGH SCHOOL EACH YEAR SINCE 1896.

MEMBERSHIP.	Class of 1899.	Class of 1900.	Class of 1901.	Class of 1902.	Class of 1903.	Class of 1904.	Class of 1905.	Class of 1906.
December 15, 1st year . . . . .	...	79	89	77	64	103	111	125
“ “ 2nd “	67	67	80	73	47	93	97	...
“ “ 3rd “	63	57	64	64	49	88	...	...
“ “ 4th “	57	53	65	62	60	...	...	...
Graduates	55	48	56	56	...	...	...	...
Loss per cent. 1st year . . . . .	...	15.2	10.1	5.2	26.5	9.7	12.6	...
“ “ 2nd “	6.0	15.0	20.0	12.3	4.3*	5.4	...	...
“ “ 3rd “	9.5	7.0	...	3.1	22.4*	...	...	...
“ “ 4th “	3.5	10.4	13.8	9.7	...	...	...	...
Total . . . . .	...	39.2	37.0	27.3	...	...	...	...

*Gain.

English School. The conditions in this school are nearly identical with those of a year ago. The entering class numbered 268, and the numbers to-day are sixteen more than in December, 1901, 778 as against 762. Whatever has been repeatedly said about the crowded condition of this school could be reiterated here were it necessary. Suffice it to say that the school is sorely handicapped in its work by its congested state. If the school had been a cotton mill, and its dividends dependent upon en-

largement, it would have been doubled in capacity long ago. But dollars and cents, although more influential in controlling action, cannot measure the value of the work of a good school, a value that increases in proportion to the facilities afforded. As surely as improved machinery in a manufactory lessens cost and increases production, so surely do ample accommodations and adequate equipment increase the efficiency and power of a school. A log with Mark Hopkins at one end and a single Garfield at the other is well enough, but with fifty clamoring for a seat on the students' end of the log, even the genius of a Hopkins would be embarrassed, if not overwhelmed.

Allusions have elsewhere been made to losses in the teaching force of this school. The standard is, however, well maintained, and the invention, tact, and determination of principal and teachers have done more than could be expected in overcoming and counteracting the effect of untoward conditions.

The industrial and commercial departments of the school are the most crowded at the present time, and need not only more room, but more instructors. Five additional typewriting machines were supplied in September and have afforded some relief. More and more, students are turning towards that form of education that gives promise of enabling them most quickly to secure self-support. This so-called practical education, as it grows in importance and popular favor, must be given increased attention and enlarged opportunities. Free commercial high schools have come to stay, and doubtless are to be followed by other free technical high schools that shall equip the graduate along different lines for his life work.

The school graduated 108 students in June, of whom eleven entered normal schools, and sixteen technical schools, or the professional department of some college. Of the 164 graduates of both schools, fifty-eight, or thirty-five per cent., are continuing their education at higher institutions.

The number of students in the different departments since September has been as follows:—

	1902.	1901.		1902.	1901.
English	822	800	Mechanical drawing..	247	230
History	709	707	Freehand drawing...	377	424
Mathematics	592	564	Manual training.....	200	175
Science	460	501	Commercial	242	260
Latin	118	116	Stenography	320	282
French	269	237	Elocution	818	777
German	118	99			

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

MEMBERSHIP.		Class of 1899.	Class of 1900.	Class of 1901.	Class of 1902.	Class of 1903.	Class of 1904.	Class of 1905.	Class of 1906.
December 15, 1st year	. . . . .	192	228	211	217	299	246	261	250
"	2nd "	149	163	153	162	221	178	214	...
"	3rd "	121	119	125	135	178	147	...	...
"	4th "	98	97	108	120	151	...	...	...
Graduates	. . . . .	86	83	96	108	...	...	...	...
Loss per cent.	1st year	22.4	24.1	27.5	25.3	26.0	27.2	18.0	...
"	" 2nd "	18.7	27.0	18.0	16.6	19.5	17.4	...	...
"	" 3rd "	19.0	18.5	13.6	11.1	15.2	...	...	...
"	" 4th "	12.2	14.4	11.1	10.0	...	...	...	...
Total	. . . . .	55.2	63.6	54.5	50.2	...	...	...	...

Grammar and Primary Schools. In June, 1902, 497 graduates of grammar schools were given diplomas. Of this number, 350, or seventy per cent., entered the high schools, 235 the English, and 115, the Latin. In December, 1896, this class numbered 958 in the fourth grade. During the six years of passage through the grammar schools, 461, a little short of one-half its members, dropped out, the principal loss of 300 pupils occurring between the sixth and ninth grades. This is but another illustration of the well-known fact that there is a serious loss of pupils about midway of the grammar school course, and it emphasizes the necessity of so shaping the curriculum as to do the best for the large number whose school life necessarily ends at about the age of fourteen. The primary schools supplied 1,189 pupils for the fourth grade of the grammar schools in September last. At the same time, 1,184 children began their school life in the first grade, making, with the 401 that were left behind when the June promotions were made, 1,585 as the membership of the lowest grade. The average age of the children who have never attended school before is five years, eight months.

A careful record for five years shows that twenty-three per cent. of every first grade class is left behind to repeat the work for a second year. This is a smaller percentage than formerly, and when we consider the immaturity of many children, the enforced absence for weeks at a time on account of diseases incident to their early years,—measles, mumps, whooping cough, and scarlet fever,—and the accompanying quarantine, nothing better can be expected. In the grammar grades, the number of the non-promoted is quite uniformly one in every ten, or a little less. There is a careful consideration of every case, and whenever possible, a trial promotion is given. Comparatively few who are sent on in this way fail to maintain themselves fairly well. Pupils that are capable of doing work in advance of their classes are given the opportunity, though considerations of

health and of the best educational interests of the child govern in this, as they should in all such matters.

Kindergartens. Four kindergartens have been maintained during the year in the Hanscom, Bennett, Baxter, and Glines Schools. The cost of instruction has been \$4,010.37, and of supplies, \$165.52. The per capita cost, based on the average membership, has been \$21.86.

The following table shows facts in detail:—

	Hanscom.	Bennett.	Baxter.	Glines.	Total.
Enrollment	103	107	101	102	413
Average Membership	48	52	45	46	191
Average Attendance	42	38	37	39	156
Per cent. Attendance	88.5	72.6	81.5	84.3	81.7
Age	4—8	4—7	4—8	4—8	4—8

Evening Schools. Every year the problem of evening schools with their difficulties confronts us. In arranging for the season of 1901-1902, an effort was made to increase their efficiency, and with the hope also of increasing their power to hold pupils from the beginning to the end of the term. With this object in mind, the pay of evening school teachers was raised that we might be able to command the service of the best available. Probably as efficient a corps was secured as it is possible for us to get under existing conditions. It included several of our grammar school principals, and was made up almost entirely of teachers of long and successful experience.

Moreover, the promise of certificates of attainment for those that should attend regularly during the season, and of diplomas for the completion of two or three years of work was added at the outset as an attraction.

The result of the experiment was, on the whole, disappointing. There was a larger attendance, which might have been expected as a natural increase, but the average per cent. of attendance, as compared with the enrollment, was but two and one-half per cent. more than the preceding season. This shows that something more than superior teachers is needed to hold pupils from start to finish. The aggregate expense of the schools was increased forty-three per cent., while the average attendance increased but twenty-three per cent. There was an increase of fourteen per cent. in the per capita cost per evening.

Notwithstanding what has been said, the evening schools never have accomplished more for their pupils, nor were ever more satisfactory than during the last season. The interest of those who attended and the progress made were very gratifying.

One hundred and sixty-seven certificates were given and one diploma. The closing exercises, at the Bell and Prescott schools especially, were interesting as showing the interest and work of the pupils. Of those receiving certificates, ninety-nine, or sixty per cent., returned to the school in October of this year.

The expense of the evening drawing school was practically the same as for the preceding season, but the attendance was one-fourth larger, so that the per capita cost was diminished \$2.25. Through the courtesy of the City Librarian, a pleasing exhibition of the work of the evening school pupils was made at the Public Library in September.

In connection with the evening school work, a very successful experiment was made in the line of stereopticon lectures. The sum of \$100 was set aside by the Board for this purpose: Seven lectures were given in the English School hall to interested and orderly audiences, composed almost entirely of pupils in attendance at the evening schools. These lectures were instructive as well as entertaining, and were accompanied by music and appropriate readings. The money spent in this direction certainly paid as large a dividend as any that the city has invested.

We are now spending about \$7,000 a year for our evening schools. At the same rate, it would cost us \$35,000 to pay for the maintenance of the Bingham School alone. It certainly behooves us to use every device possible in securing the largest profit from this expenditure. The concentration of all the schools in one school building, if it were feasible, would materially reduce the expense and at the same time increase the general efficiency of the schools. This would also afford us opportunity to do a higher grade of work for which there is a demand. The whole subject is commended to the Board for its careful consideration.

The principal facts with regard to the evening schools are given in the following table:—

EVENING SCHOOLS.

	Elementary.		Drawing.		Total.	
	'00-'01.	'01-'02.	'00-'01.	'01-'02.	'00-'01.	'01-'02.
Enrollment.....	612	700	192	211	804	911
Average Attendance...	192	236	79	99	271	335
Per Cent. of Attendance..	31.2	33.7	41.1	46.9	33.7	36.8
Teachers	22	28	6	6	28	34
Sessions	298	300	48	46	346	346
Cost.....	\$3,809	\$5,452	\$1,433	\$1,424	\$5,212	\$6,876
Cost per Capita.....	19.94	23.10	18.14	14.38	....	....
Cost per Pupil per Evening.....	0.265	0.303	0.378	0.310	....	....

Illiterates. In connection with the evening schools, attention is called to a modification of the statute concerning the

employment of minors, made by the legislature of 1902. The amendment to the law forbids, under penalty, any employment of a person under twenty-one years of age unless he has in his possession a certificate signed by the Superintendent of Schools stating that he can read and write simple English sentences. All persons, whether graduates of our schools or not, are included within the requirement.

The object of the law is to find illiterate minors and enforce their attendance upon evening schools while they are in session. In accordance with the spirit of the law, an agent of the Superintendent was sent to visit all establishments in the city in which minors are employed, and to issue reading and writing certificates to those entitled to them, and to enroll the names of all others for attendance upon the evening schools. In this way, 88 illiterate minors were found, the most of whom are foreigners recently arrived in the country. Employers were furnished with lists and informed of their responsibility under the law to see that illiterate minors in their employ attend evening schools regularly. Employers and employed have all co-operated heartily with the school authorities, and the attendance law has been duly enforced. It is this class that profit most by evening school instruction.

Two hundred and ten regular employment certificates have been issued in 1902 to children between fourteen and sixteen years of age who have left school for work.

Vacation School. Such was the success of the Vacation School last year that the Board unanimously appropriated the same sum,—\$500,—for its maintenance for 1902, and reappointed the same special committee to direct its affairs. The committee consisted of Mrs. Attwood, chairman, and Messrs. Bennett, Jones, Dickerman, and Carr.

The school was opened in the Prospect Hill building July 7, and continued five weeks, closing August 8. Six rooms were occupied by children drawn from the lower seven grades of the schools, one-half of whom attended from 8 to 10 A. M., and the other from 10 to 12. The kindergarten of last year gave place to first grade children.

The plan of work was somewhat similar to that of last year. It was varied chiefly by the introduction of the braiding and weaving of raffia, from which sundry useful and ornamental articles were made. The upper class of boys were occupied exclusively in wood-working: knife, trysquare, compasses, and ruler being the only tools. Both boys and girls in lower grades were given hand work of various kinds,—cardboard construction, drawing, cutting, painting, weaving, raffia work, scrap-book making, and sewing. The exercises were varied by music, reading by teachers, story-telling, and, in the lower classes, by marching and simple games. There were no signs of disorder, interest never flagged, and the attendance was excellent to the end. Two

hundred and five pupils did not miss a session, and fifty-three were absent only once.

The success of the school was attributable to the character and experience of the eight teachers in charge, all of whom belonged to our regular corps, and had taken pains to qualify themselves for the work in hand. These teachers were: H. F. Hathaway, principal; Carrie F. Hathaway, Grace L. Wiggin, Elizabeth M. Collins, Daisy J. Adams, Carrie Armitage, Gertrude Friend, and Emma J. Ellis, assistants.

The cost and attendance of the schools were:—

	1901.	1902.
Appropriation	\$500.00	\$500.00
Paid teachers.....	\$405.00	\$427.50
Paid supplies.....	99.26	123.43
Total	\$504.26	\$550.93
Average attendance.....	317	365
Per capita cost.....	1.59	1.51
Number of classes.....	10	12

As was the case last year, the Vacation School Committee circularized the thirty-two Sabbath schools of the city, inviting them to contribute to a Fresh Air fund for the benefit of stay-at-home children. The following responses were received:—

East Somerville Baptist.....	\$10.36
Franklin-street Congregational.....	10.00
St. Thomas' Parish.....	6.16
St. Catherine's Parish.....	15.00
Sycamore-street Congregational.....	5.00
Highland Congregational.....	5.00
Winter-hill Universalist.....	5.00
Total	\$56.52

With this fund, 1,125 Elevated Railway tickets were bought, to which the company generously added an equal number. These tickets were distributed in localities most needing them, and served to brighten one day at least in a thousand lives.

Vacation schools have passed the experimental stage, and are hereafter to be a factor in the school system of every large city. True, the statute concerning them is permissive rather than mandatory, but it shows the trend by giving them any sort of recognition. One after another, the large cities throughout the land are establishing them, not so much because they are educative, but because they restrain and occupy a class easily led astray through the enforced idleness of the summer months. While our city has relatively few of this class, and while we have not succeeded as yet in getting into the vacation school those who most need its help, still it accomplishes great good, and fully justifies even a larger outlay for its permanent establishment.

Manual Training. It may seem unnecessary to revert again in this report to the subject of manual training. The School Board, however, has three times placed itself on record as favoring compliance with the statute by the introduction of this branch of modern education into our grammar schools. Three times have requests been made by the Board that plants in convenient locations be equipped for cooking and wood-working. The urgent demand for ordinary school uses for the rooms that would otherwise be available, and other causes, have prevented any action in this direction.

The time, however, now seems auspicious for beginning this work. The Prospect Hill school building is now available for the establishment of a plant for both lines of manual training. If anticipated relief comes in Ward Five, the rooms in the Forster Annex, planned for this purpose, may also be occupied. Besides, there will be a suitable room in the new Morrison-avenue building for this work. There is also a good room that may be used at the Brown School.

No discussion of the value of this form of education is here attempted, for the favorable sentiment of the Board has been repeatedly expressed upon that point. The question seems to be one of finance wholly,—each plant established would cost not far from \$1,000, and for teachers, an annual outlay of \$1,600 would be required to give suitable instruction to ninth-grade boys and girls. Experience, the surest test of value, shows that there is no loss in other studies on the part of those who take two hours weekly in shop or kitchen work, and the verdict everywhere is that the investment pays. When once begun, there is no desire to abandon the work.

To quote once more from President Eliot:—

In many scattered places in the United States, perfect demonstration has already been given that manual training and instruction in the mechanical arts and trades are, in the first place, valuable as a means of mental and moral training, and, in the second place, useful for the individual toward obtaining a livelihood, and for the nation toward developing its industries. Accordingly, manual training schools, mechanic arts high schools, and trade schools ought to become habitual parts of the American school system; and normal schools and colleges ought to provide optional instruction in these subjects, since all public school teachers ought to understand them. Such schools are more expensive than schools which do not require mechanical apparatus and the service of good mechanics as instructors; but there can be no doubt that they will repay promptly their cost to the community which maintains them.

Cost of Schools. The cost of maintaining our schools and educating the 10,402 pupils in their average membership has been \$286,747.00, or \$27.57 for each pupil. This does not include money spent in the repairs of schoolhouses or upon new buildings. Of this sum, \$33,151.00 has been expended by the public buildings department for:—

Janitors' salaries.....	\$20,859.00
Fuel	10,489.00
Light	1,803.00

The following shows the expenditure from the school contingent appropriation:—

Officers' salaries.....	\$4,800.00
Books	\$7,162.69
General supplies.....	3,909.90
Laboratory and manual training supplies... ..	1,446.84
Printing	920.14
Graduation expenses.....	1,249.79
Drawing supplies.....	1,203.29
Book binding.....	395.51
Truant officer's horse.....	240.00
Expressage and postage.....	279.11
Board of truants.....	470.43
School census.....	199.88
Telephones	170.58
Miscellaneous	1,737.35
Total for school supplies, etc.....	19,385.51
Amount expended for school contingent.....	\$24,185.51
Estimate of committee.....	23,000.00
Appropriation	21,000.00
Deficiency as compared with appropriation.....	3,185.51
Deficiency as compared with estimate of committee.....	1,185.51
Received for tuition and damage to property.....	177.50
Net deficiency.....	\$1,008.01

This deficiency is caused by unanticipated outlays for maps, typewriters, and books for an unexpected number of new pupils.

The following is the expenditure for teachers' salaries during the year:—

January	\$22,942.23
February	22,716.44
March	22,737.06
April	21,896.38
May	22,070.32
June	22,085.74
August	427.50
September	22,803.49
October	24,054.64
November	23,892.80
December	23,783.87
Total	\$229,410.47
Appropriation and estimate of committee.....	228,000.00
Deficiency	1,410.47

This deficiency is occasioned by unexpected expenditures for new teachers and for evening schools.

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

	1900.	1901.	1902.
Teachers' salaries.....	\$0.799	\$0.790	\$0.800
Administration	0.018	0.017	0.017
Janitors' salaries.....	0.074	0.071	0.073
Heat and light.....	0.048	0.055	0.042
School supplies.....	0.061	0.067	0.068
Total	\$1.000	\$1.000	\$1.000

TABLE SHOWING PER CAPITA COST OF SCHOOLS, 1902.

	High Schools.			Grammar and Primary Schools.			All Schools.		
	1901.	1902.	De-crease.	1901.	1902.	De-crease.	1901.	1902.	De-crease.
Instruction and Supervision . . .	\$47 71	\$46 63	\$1 08	\$19 89	\$19 74	\$0 15	\$22 67	\$22 52	\$0 15
Text-Books and Supplies . . .	5 52	5 10	0 42	1 47	1 49	*0 02	1 87	1 86	0 01
Schoolhouse Expenses . . .	4 99	4 96	0 03	3 40	2 98	0 42	3 56	3 19	0 37
Totals	\$58 22	\$56 69	\$1 53	\$24 76	\$24 21	\$0 55	\$28 10	\$27 57	\$0 53

* Increase.

Instruction in the high schools has cost \$1.08 less per capita than last year, supplies \$0.42 less, and the care of the buildings \$0.03, the total cost being \$1.53 per pupil, \$56.69 as against \$58.22 in 1901.

In the elementary schools, the cost of instruction has lessened \$0.15 per pupil, that of supplies has increased \$0.02, while the care of buildings has been \$0.42 less, a total reduction of \$0.55.

Taking all schools together, instruction has cost \$0.15 less per capita, supplies \$0.01, and schoolhouse expenses \$0.37, a total decrease of \$0.53, a total per capita cost of \$27.57 as against \$28.10 last year. This includes the cost of evening schools.

This lessening of per capita cost in the face of an aggregate increase, is accounted for by an increase of pupils without a proportionate increase of expense.

Per Cent.

Increase in average membership of schools for year.....	4.0
Increase in number of teachers for year.....	3.9
Increase in cost of instruction for year.....	3.3
Increase in cost of supplies for year.....	3.6

The salaries paid at the present time are as follows:—

2 men.....	\$3,000	5 women.....	\$1,000
2 men.....	2,000	20 women.....	900
8 men, 2 women.....	1,900	1 man, 1 woman.....	850
1 man.....	1,800	4 women.....	775
3 men.....	1,700	15 women.....	725
1 man.....	1,600	3 women.....	700
2 men.....	1,550	191 women.....	650

2 men.....	\$1,400	11 women.....	\$600
1 man.....	1,300	1 man 1 woman.....	500
1 man, 2 women.....	1,200	4 women	425
1 man.....	1,100	4 women.....	400
1 woman.....	1,050	2 women.....	275

On this basis, the total salary list at present is \$226,825.

This does not include sums paid for evening and vacation schools and substitutes.

Half-Time Schools. There has been hardly a year during the last decade in which half-time schools for the first grade have not been held in some part of the city. This condition has now prevailed in several schools continuously for three or four years,—long enough to show the effect of the shortened session upon the attainment of pupils in the third and fourth grades. It is safe to say that no losses thus occasioned are perceptible in these grades. In other words, whatever may have been lost in the first grade has been apparently regained in the second and third.

In the half-time schools that have given these results the plan has been to employ two experienced teachers at the maximum salary. The one hundred pupils, more or less, have attended in equal sections of fifty each during either the morning or the afternoon session in alternation, thus giving each child an average daily session of two hours and twenty minutes. One teacher devotes her time uninterruptedly to instruction, while the other is employed in directing and supervising the seat work and general exercises, although when need is urgent with slower children, she sometimes does class work. When there are facilities therefor,—as in the Hodgkins and Carr,—the class that recites is taken to a smaller room, and the second teacher is left alone in the main room.

This plan of half-time schools saves the city no money in salaries, but if it were abolished, eight additional schoolrooms, costing \$40,000, would be at once needed.

Another plan of half-time sessions was tried experimentally by permission of the Board in six schools during the spring term. In all of these schools save one, the number of first-grade pupils did not exceed forty-five. All pupils assembled for the first hour in the morning for music, drawing, writing, and other general class exercises. One-half were then sent home to return in the afternoon to receive the uninterrupted care of the teacher. This plan gives all children three hours of school, and the smaller number for the larger part of the time enables the teacher to instruct without so much distraction of attention in caring for the children who are not reciting. It greatly lightens the work of the teacher, but does not enable her to do more for the children than she could do in an all-day session, if as much.

The plan is disliked by most parents as it requires more time to prepare children for school, and transfers the burden of re-

sponsibility for the children from teacher to parent for two hours daily. Many children are much better off in school than in the street, even if comparatively little is accomplished. Indeed, in some localities half-time schools under the most favorable conditions would be a misfortune. The only justification for this plan is that it gives some children an advantageous extension of their out-door life.

A third half-time plan that has little to commend it, has been forced upon us in two schools. Teachers who have had seventy pupils, none of whom can be transferred to other schools, have divided their classes and taken a part of them in separate half-day sessions. There are too many in the class for all to assemble together at any one time. Under this arrangement, the teacher is obliged to forego all formal attempts to teach music, drawing, elementary science, etc., and to concentrate attention upon reading. The labor of the teacher is rather less than that of one who has forty-five children on full time, but the consciousness of the fact that she cannot teach all that is desired and for which she may be held accountable, occasions unrest and dissatisfaction. Of course, the plan is decidedly objectionable, and should be resorted to only under urgent necessity.

Shortened Courses. This lack of uniformity in the quantity and character of first-grade instruction seems unavoidable until schoolrooms enough are provided, unless by slight modifications of our Elementary Course of Study eight years instead of nine might be made to suffice for the work below the high school. Outside of New England eight years is the general custom. Children enter at five, either with or without kindergarten training,—although one or two states fix the age at six,—and after eight years are ready for the high school. There are in our own state two cities, Lawrence and Quincy, and a score of small towns, that have the eight-year course. In all other cities of New England the nine-year course prevails,—even in addition to the kindergarten. If we should exclude children from the first grade until they are six years old,—as Nashua has just done,—the great majority of children could do the work in eight years for which they now require nine. We make a serious mistake in trying to force an understanding of certain subjects upon children in advance of their natural development. Time is thus lost, to say nothing of injury done the child. The idea that everything taught in the schools must be begun in the lowest grades is pernicious.

Excluding five-year-olds from school would, however, be thought revolutionary, unless kindergarten training should be substituted, but a kindergarten under existing conditions costs fifty per cent. more than a first-grade class. An eight-year course would result in twenty per cent. more grammar school graduates, for many who now leave school at fourteen would

remain a few months longer for the sake of graduating. It would also add twenty per cent. to our High school attendance for the first two years, at least, but it costs more than twice as much to educate a child in the high school as in the grammar school, even if we had the facilities therefor. To be sure, high school students would begin their work a year earlier in most cases. There would be, on the whole, no financial gain, nor any lessening of the demand for additional room by the change.

Either more schoolhouses must be provided, or we must settle upon the plan of half-time sessions in crowded localities as at present. There can be no doubt that, all things considered, it is better to give all children a full-day session the year around with employment commensurate with their unfolding powers. This normal condition we shall ultimately reach.

Medical Inspection. Since the beginning of this report the alarming prevalence of diphtheria in the immediate vicinity of the Morse school has led the Board of Health to close the school during the month of December as a precautionary measure. Probably the trouble neither originated in nor was aggravated by any conditions for which the school could be held responsible. It was doubtless spread by the intercourse of children with other children from infected, but insufficiently quarantined homes. Whatever the causes, it brings public and official attention once more to the need of some frequent medical inspection of schools. President Eliot, in the address heretofore quoted, places as the most urgent present school need, better schoolhouses, that is, schoolhouses made better from a hygienic point of view,—so constructed that all heat and ventilating ducts can be often cleaned and freed from the disease germs that examination shows always infect them; schoolhouses that can be and are kept as pure and clean as a well-regulated hospital. Secondly, even before a plea for better teachers, he places a demand for medical inspection. Here is what he says:—

Next to this improvement in schoolhouses and schoolyards comes improvement in the sanitary control and management of schools. This control requires the services of skillful physicians; and such a physician should be officially connected with every large school. It should be his duty to watch for contagious diseases, to prevent the too-early return to school of children who have suffered from such diseases, to take thought for the eyes of the children, lest they be injured in reading or writing by bad postures or bad light, to advise concerning the rectification of remediable bodily defects in any of the children under his supervision, to give advice at the homes about the diet and sleep of the children whose nutrition is visibly defective, and, in short, to be the protector, counselor, and friend of the children and their parents with regard to health, normal growth, and the preservation of all the senses in good condition. Such medical supervision of school children would be costly, but it would be the most rewarding school expenditure that a community could make, even from the industrial or commercial point of view, since nothing impairs the well-being and productiveness of a community so much as sickness and premature disability or death. As in an individual, so in a nation, health and strength are the foundations of productiveness and prosperity.

Stamp Savings System. At the March meeting of the Board a special committee was appointed to consider the question of Stamp Saving in the schools. After careful inquiry and deliberation, on the recommendation of this committee, the following order was adopted by the Board:—

Ordered: That permission be granted to the Somerville Associated Charities to establish and conduct a system of Stamp Savings in the public schools, in co-operation with the teachers, it being understood that the city shall incur no liability whatever in connection therewith.

In September, agents of the Associated Charities in co-operation with the teachers put the system into operation in all the elementary schools. Briefly stated, the plan is as follows:—

Through some one of the twenty young women who are serving the Association gratuitously as agents, the principals are supplied each week with stamp cards at a cent apiece, and with stamps resembling postal stamps in size in denominations of 25, 10, 5, 3, and one cent each. Card and stamps are sold by class teachers to their pupils before the opening or after the closing of school semi-weekly, or oftener, as may be convenient. All receipts are turned over through principals to collectors once a week. When a child has accumulated at least a dollar's worth of stamps, if he desires it he may transfer his card to the Somerville Savings bank, and become a regular depositor therein. When needed, money in the bank or in the possession of the Association will be returned to him on presentation of the book or card.

The following reproductions will show the character of the Stamp Saving card:—

The

Stamp Saving System

Is under the direction of the following Committee:

REV. CHARLES L. NOYES
NATHAN H. REED

Mrs. MARY G. WHITTING
Rev. W. SHERMAN THOMPSON

Rev. Wm. B. C. MERRY

Dr. CHARLES K. CUTTER
CHARLES S. PHILBRICK
Miss. EMMA S. KEYES

Somerville Savings Bank

UNION SQUARE

Hours: 9 to 1 daily; Saturday, 9 to 12 A. M.

Monday Evening, 7.30 to 8.30

As soon as you have bought stamps, attach them carefully to the card.

When one card is full, buy another.

When your card contains one dollar or more in stamps, you may take it to the Somerville Savings Bank, Union Square, and receive a bank book, showing the same amount deposited in your name; or you may secure the bank book a week later by handing your teacher the card.

When you have another dollar's worth or more of stamps to add to your account in the bank, take your bank book and card to the bank; or your teacher will do this for you.

If you need your money, your teacher will take your card or cards containing your stamps, and a week later give you all the money they represent, but she cannot give you a part of it. If you have a bank book, follow carefully the directions it contains.

Stamp Saving System.

Somerville, Mass.

STAMP DEPOSIT CARD BELONGING TO

NAME _____

SCHOOL _____

TEACHER _____

DATE _____

I exchange this card _____ (date)

for _____

Depositor.

If you lose your card you lose the money it represents.

This card is not transferable.
Price of card, one cent.



\$ 0.44

2 Many a little makes a mickle.

3. Wilful waste brings woful want.

4. Save when you are young to spend when you are old.

5. Take care of the cents and the dollars will take care of themselves.

6. Wisdom saves, folly spends.

7. Pride breakfasted with plenty, but supped with poverty.

8. Youth is the sowing end of the harvest field.

9. Now start a new card or get a bank book.

On the cover of a booklet of wax paper containing the stamps supplied each teacher for one week's sale are the following instructions from the Superintendent of Schools:—

It is assumed that the teachers are interested in whatever promotes the welfare of their pupils, and hence will do all in their power to make this Stamp Saving System successful. They are requested to teach the value of money: (1) In securing the necessities of life; (2) in promoting comfort and convenience; (3) in providing the means of education through books, school, special teachers and travel; (4) in enabling its possessor to help the needy and to make others happy. The child should be shown the difference between thrift and penuriousness; how money may be wasted; how it accumulates at interest; and how it may be made to minister to future needs.

The success of the system has exceeded the expectations of the most sanguine. In all parts of the city, children have been intensely interested in buying stamps, as the following figures will show:—

Total number cards sold, 12 weeks.....	8,474
Stamps sold:—	
First week.....	\$616.19
Second week.....	617.90
Third week.....	688.94
Fourth week.....	789.33
Fifth week.....	737.75
Sixth week.....	694.82
Seventh week.....	598.06
Eighth week.....	657.57
Ninth week.....	558.37
Tenth week.....	785.27
Eleventh week.....	365.58
Twelfth week.....	291.48
	<hr/>
Total amount of stamps sold, 12 weeks.....	\$7,378.39
Number of bank books issued.....	1,000
Amount deposited.....	\$2,289.94
Amount redeemed in cash.....	955.39
Remaining in children's hands.....	4,133.06

This certainly is a remarkable showing for three months. There will doubtless be a falling off in purchases of stamps after a while, but if even one-half as many are sold, the result will satisfy those most interested. If marked success can justify an enterprise, this one is fully justified.

The statutes of the Commonwealth in explicit language make it incumbent upon all teachers of youth, from the President of Harvard University down, to teach the principles and value of the virtues of sobriety, industry, and *frugality*, and the tendency of the opposite vices. Assuredly no more impressive or practical method of teaching frugality could be devised than this Stamp Savings System. The virtues of thrift and economy, a knowledge of the value of money when wisely saved and used, the folly of wastefulness and extravagance, the weakness of petty gratifi-

cations of the appetite, a wise provision for future needs,—all these things, like habits and principles of any sort, must be established in youth, if ever. Moreover, they are so intimately connected with the welfare and happiness of the individual and the community that the schools are justified, not only by statute, but by public policy, in inculcating them.

The chief objection to the co-operation of teachers in the work under discussion has been that it makes an increased demand upon those who are already overburdened. This objection has less and less force as the methods of conducting the work are systematized and simplified. At any rate, the end justifies the means. The altruistic nature of the plan has commended it to teachers, who are ready to do whatever they can for the good of those whose highest interests they are commissioned to promote.

Children's Reading and the Public Library. The chief work of the schools may be expressed in the phrase, they teach us to read. Indeed, some one wisely says, "All that a university or the final highest school does for us is still what the first school began doing, to teach us to read." We learn much by observation, by social intercourse, by experience in the rough and tumble of life, but most of our knowledge of men and things, of the world and its interests, of the history of man and his accomplishments through the ages in science, literature, and art,—all this comes to us through the printed page. We learn to read that we may know, and feel, and think, and strive, and aspire, and achieve, as the best men in all the generations have thought and known and felt and striven and achieved.

Children of all sorts of heredity from all sorts of homes come together in school to have this door of knowledge opened to them—to be taught to read. With the fortunate few, the task is a comparatively simple one. With the many, the process is complex and difficult. Hence we give to it the larger part of our elementary school time. In this work, from the outset, the aim of the teacher is two-fold.

First of all, it is to give the child the power to acquire thought and feeling from the printed page. Vocal expression is the chief evidence that he does this, and this test is constantly applied. The acquisition of thought, however, is a silent process, mental, not vocal, and intelligent sight reading is the ultimate aim. The primary object is not to teach children to read aloud with pleasing effect, for nearly all of their future reading and study is to be done in silence. Correct mental impression is the cause, good oral reading the effect. Reading cannot be in advance of the child's development and knowledge. What is presented to him must be within his mental grasp, or at best, but little above it. His ability to read with understanding must set the pace for his progress in other studies, or, rather, all parts of his school work are so inter-related that they must advance together. We do not expect elementary school pupils to under-

stand or to read Shakespeare and Emerson, and if high school graduates are equal to Carlyle and Browning, we are pleased.

The language and subject matter of the pupils' text-books must be within his comprehension as he reads them. Too often the teacher is obliged to serve as an interpreter between the pupil and his book. The old question that Philip put to the eunuch on the Ethiopian highway, "Understandest thou what thou readest," is constantly on her lips, and to secure this essential desideratum is the great burden of her work in teaching reading.

The second object aimed at by the teacher of reading is to create and develop a desire and a taste for good reading, for good books, for good literature of all sorts, that the child may have through life an unfailing source of information and enjoyment, by which he may be led upward. This involves in the teaching of reading the effort to make him appreciate the beauty and grace of what he reads, to know something of the author, to understand the allusions and the imagery, to feel its influence and its moral uplift. All this is of great importance, and it requires much time and peculiar skill on the part of the teacher. It demands an acquaintance with and an appreciation of the best in literature, a knowledge of the child and his attainments and environment, and the ability to win and direct. This portion of her great task may be in part accomplished by reading to the class in an ideal way selections from what is best and most attractive in literature, and by requiring extracts that may well be remembered forever, to be learned and recited singly and in concert.

In the reading of her pupils, as in all oral school exercises, the good teacher aims constantly to secure clear and pure tones, distinct utterance, proper expression, all the graces of speech. It is a superficial teacher, however, who aims in her teaching of reading solely at the effect it may produce upon the hearer.

Children read better than formerly, not so much because they are better taught, as because they read more, and more of that which is best. This is an age of good books. The dime magazine has replaced the dime novel. Literature, presented in its most attractive forms, adapted to all ages and attainments, everywhere abounds, and is readily accessible to all. Our own public library, under a broad and wise and progressive management, has opened its doors and its shelves and all its privileges to the children of our city. They are welcomed into apartments of their own. Attendants are present to help them in their selections. Special libraries are sent to the school buildings. An able assistant devotes all her time to the school side of the library work, and nothing that teachers or pupils can ask for is lacking. With all these opportunities and inducements, it is little wonder that our children are becoming interested in books, in authors, in literature.

During the year, 6,717 books have been sent from the public library to the schools, and 147 class libraries, containing on the average twenty-five books each, have been placed in the various schoolrooms.

Supervision. The business of a supervisor is to give system, unity, harmony, correctness, life and enthusiasm to some special line of work in which he is an expert, and the teacher comparatively an amateur. Whether supervised or not, the teacher does the work, and is entitled to the greater share of the credit if success is achieved.

In Massachusetts five subjects are taught in the elementary schools exclusively by specialists,—manual training, in forty-nine of the three hundred and fifty-three cities and towns, sewing in forty-one, cooking in twenty, and kindergartening in forty-one. Specialists are employed either because expert instruction is demanded, or because the work is of such a nature that it cannot be done in the regular schoolroom.

Special supervisors are employed in the state in six subjects. Of the 353 towns, 203 employ supervisors of music, 170 have drawing specially supervised, twenty-eight have directors of physical training, twenty employ supervisors of penmanship, in twelve, nature work is under special supervision, and in one city,—Fall River,—a supervisor divides her time among the three departments of reading, language, and physical culture. In all the other cities and towns in the state,—a great majority,—these subjects are taught by the regular teachers with no other supervision than that given by the superintendent or school principals. It will be noticed that of the nine subjects for which either special teachers or supervisors are employed, all are optional except drawing and writing, which are prescribed by statute for all schools, and manual training which is obligatory upon cities of 20,000.

Somerville employs, outside of the high schools, four special teachers, three in sewing and one in music, who give weekly lessons. We also employ three supervisors in music, drawing, and penmanship, two of whom make monthly visits to each class, the third calling every thirteenth school-day.

But the chief element in our supervisory force is thirteen supervising principals of large schools having in charge eighty per cent. of our elementary school population. These are all professional teachers, especially educated for their business and trained by long experience. That they may have time for supervision they are provided with assistants of superior qualifications, who generally teach all but two subjects in the highest grade. Upon these principals the general oversight and discipline of the school as a whole devolve. They attend to the many details connected with a large school. All merely clerical matters they may turn over to their assistants, who have ten

hours weekly to aid the principal in his administration of affairs. The rules require twelve hours of teaching of supervising principals. When this is done and the general duties incident to the management of the school discharged, several hours weekly remain in which their distinctly supervisory work can be done. This work lies outside of music, drawing, and penmanship,—the responsibility in these branches being shifted to the supervisors,—and is confined to the major and more important studies, reading, spelling, numbers, language, geography, and history. Daily visits to the classrooms, now and then a model teaching exercise, kindly criticism of the teacher, helpful suggestions as to methods, frequent oral and written tests of pupils, the harmonizing of the work in the different grades, the stimulating and energizing of pupils and teachers, and the quickening of zeal and enthusiasm,—in all these ways the principal has the opportunity of making his influence felt in the most important directions throughout the entire building.

As has been remarked, this supervision by principals is the most valuable the schools have. It is given by pedagogical experts who are in constant touch with what is going on in the educational world, and who know intimately the pupils and teachers and their needs. It is continuous and not spasmodic; and it is exercised in connection with the most important subjects in the curriculum. It is fortunate for the schools that this efficient form of supervision is available, for, burdened with responsibilities as he is, no superintendent could do a tithe of it. And this naturally leads to the enquiry whether the highest efficiency does not demand a larger administrative force in its school department for a city of 65,000 than for one of 40,000. There has been no change in Somerville during such a period of growth.

How Well Do the Schools Do Their Work? Whether we consider the vital connection between the schools and the welfare of the community, or the large financial outlay that they require, this question is always pertinent. With equal pertinence we may ask a similar question concerning other factors in the great task of raising the people to the ideal levels of right thinking and right living. Is the church doing its work as wisely and as well as it ought? Is the public press so directing its influence that men are led constantly upward in their endeavor? Does the light shed by the public library always illuminate, refine, uplift? Does the home, the mightiest factor in bringing on the millennium, discharge the great duties committed to it in the best possible way? Judging from surface indications, we should answer all these questions affirmatively, but there is much below the surface. The influences that really uplift, and purify, and ennoble, that are gradually raising men to higher levels of thought and action, work within them, and are unseen. So with the work of

the schools. Much that they do is patent and measurable, but their more important and enduring influences can be seen and felt only in the gradual advance of the community in intelligence and virtue.

We may perhaps find a partial answer to our question by learning how the graduates of the schools meet the demands upon them in the stress of business life. A series of questions, recently sent by the State Teachers' Association to leading business and professional men in the city of New York, brought out some interesting information as to certain features of the work of schools in that locality. The replies are equally applicable without doubt to our own vicinity. There was a strong preponderance of evidence to show that boys spell better than formerly, well enough on the whole for practical purposes; that the writing is legible; and that greater accuracy is attained in arithmetic, though there was some criticism as to speed. The majority opinion was largely in favor of teaching boys how to keep accounts accurately; of giving them knowledge of actual business transactions; that studies should be utilitarian as well as cultural; and that even those who enter professional life should be given some commercial training. As to foreign languages, German is given the first place, and Spanish the second; French comes third. There is a strong preference for high school graduates. The more education the employee has the better.

As to the matter of manners and morals, the public school boys are in the main satisfactory as to truthfulness, cleanliness, and ambition, but not wholly so in punctuality, reliability, manners, and ability to understand and follow instructions. They are not frugal in the use of time, and are wasteful of material. Cigarette users are not wanted.

All this is interesting and informing as far as it goes. It discloses a little of what the commercial world demands of the schools, and a little of how the schools are meeting this demand. It covers, however, a comparatively small section of school work and product. It deals with boys only. It shows little of the cultural side of education. It reveals nothing of tastes and mental habits, of desires and powers, of motives and principles that in their development and exercise will enrich and beautify life. It exhibits little of the altruistic, and of those qualities that make good citizens, just, upright, unselfish, loyal. Only the future character and prosperity of the community along the lines of higher and better living can fully show how the schools are now accomplishing the greater tasks laid upon them.

This is a materialistic, a utilitarian age. It is an age when money dominates, when wealth and power are concentrating, when the welfare and happiness of the many are jeopardized by the ambition and selfishness of the few. Without neglecting the practical side of education, let us constantly lay emphasis upon

the higher function of the schools to develop character that shall be beyond corruption; to beget a sense of justice; to cultivate the spirit that regards the rights of others; to give the strength that comes from struggle; to engender a helpful sympathy for the weak and unfortunate; to inspire a willingness to serve even to the point of sacrifice; to awaken a spirit of unvarying loyalty to the right; to make a sense of duty to God and fatherland the motive of conduct, and the desire to be of use in the world, the mainspring of an unselfish life.

The Superintendent extends his grateful acknowledgments to the members of the Board for their courtesy and forbearance, and to supervisors, principals, and teachers for their hearty sympathy and co-operation during another year of service.

G. A. SOUTHWORTH.

December 26, 1902.

In Memoriam.

At the meeting of the Board, held on the 31st of March, 1902, the chairman announced the death of Mr. Martin W. Carr, who had just closed a connection of seventeen years with the Board, and who had for many years been identified with the educational and civic interests of Somerville. The following memorial, after appropriate and eulogistic remarks by various members, was unanimously adopted and entered upon the records of the Board:—

The Somerville School Board, having heard with heartfelt sorrow of the sudden death on the twenty-eighth of March, 1902, of Mr. Martin W. Carr, so recently associated with them, and for seventeen consecutive years a member of the School Committee of this city, desire to express and record their high appreciation of his personal character and public service.

From its beginning in 1829, his life exhibited three prominent traits,—industry, integrity, and a desire to help his fellow-men. The first two of these qualities were constantly manifested in his business career, and carried him through trials and obstacles to success and influence. The last two qualities were conspicuous during his twenty-five years of public service in the city that honors his memory to-day. He served his fellow-citizens faithfully for five years as a member of the City Government, but he will be longest remembered for the uninterrupted and unselfish devotion of seventeen years to the educational interests of the city. His own early struggles gave him a keen appreciation of the value of education, especially of its practical and industrial side. To his earnestness and influence much is due for the present industrial features of our school system. His wisdom in counsel, his sound judgment, his broad views of financial questions, his discretion in selecting and his firmness in sustaining teachers, his sympathy with children, and his tact in management secured for him the confidence of the public, were a power in moulding and directing our public schools, and entitle him to the affectionate regard and gratitude of his fellow-citizens.

His name is to be forever associated with one of the largest of our grammar schools, and his life and character will always furnish an inspiring example for the study and imitation of the thousands of children who may hereafter enjoy its advantages.

To our esteemed associate member, and to the entire family of our departed friend, we extend our tenderest regard and sympathy, with the earnest hope that divine consolation and the golden memories of the past may speedily bring them resignation and peace.

THE FIFTIETH ANNIVERSARY OF THE HIGH SCHOOL.

While the celebration of this anniversary was almost exclusively under the direction of the Alumni of the school rather than the School Committee, it constitutes so important a part of the history of school affairs in the city as to justify a brief account in this official record.

The Somerville High School was opened May 3, 1852. The anniversary exercises, somewhat anticipating that date, occurred April 27, 28, and 29.

At the March meeting of the Board it was voted: That the School Board of Somerville is in hearty sympathy with the plan of the Alumni to celebrate the fiftieth anniversary of the founding of the High School, and will cheerfully co-operate with them; and that a committee of five, of which the president of the Board shall be chairman, be appointed to confer and act with the committee of the High School Alumni Association. The chairman, S. Newton Cutler, appointed Messrs. Flynn, Bennett, Fiske, and Jones to act with himself on this committee. The executive committee of the Alumni were:—

Frank M. Hawes, '68, Chairman.	Miss Clara A. Johnson, '85.
S. Henry O. Hadley, '62.	Mrs. Harriet Wisdom Russell, E., '96.
Miss Frances W. Kaan, '69, Sect'y.	William H. Burgess, E., '97.
Mrs. Emma Prichard Hadley, '75.	Malcolm E. Sturtevant, L., '98.

Post-card invitations were sent to all graduates of the school, large numbers of whom responded either in person or by letter. The anniversary celebration began by a religious service at the First Congregational church (Unitarian), Highland Avenue, Sunday evening, April 27. The following is the programme:—

Ring of the Chimes, from 7.15 to 7.30.
George Stephens, Jr., '87.

Organ Prelude.
Fred A. Reid, '88.

Invocation.
Rev. Charles L. Noyes, of the Winter-hill Congregational Church.

Solo.
Frank E. Doyle, '92.

Reading of the Scriptures.
Rev. Nathan K. Bishop, of Emmanuel Church.

Solo.
Mrs. Jessie Underhill Fletcher, '89.

Prayer.

Rev. George S. Butters, of the First Methodist Episcopal Church

Organ Response.

Address.

Rev. William H. Pierson, Pastor of the Church.

Solo.

Joseph L. Rubel, '88.

Address.

Rev. Elmer H. Capen, D. D., President of Tufts College.

Solo.

Mrs. Beulah Hill Hanscom, '69.

Hymn, written for the occasion. Tune: "Jerusalem the Golden":—

O God, the wise Creator,
Thy boundless love we sing,
And in our adoration
To Thee glad hearts we bring,
Thy smile has ever cheered us;
Thy hand leads year by year;
Why, then, should we thy creatures
Have any cause to fear?

O God, the bounteous Giver,
As thus our song we raise
In notes of exaltation,
In words of gladsome praise,
For home and friends and country,
For wisdom's golden store,
To Thee, who giveth all things,
Be praise forevermore.

O God, the loving Father,
Accept our offering,
This eve of glad reunion,
Which thus to Thee we bring:
The trusting faith of children—
Whate'er the future be—
In love divine enduring
To all eternity.

Benediction.

Organ Postlude.

Miss Winifred M. Chase, '93.

The sermon of the Rev. Mr. Pierson was worthy of being printed in full. The same is true of all the addresses that the Anniversary called forth. We must be contented, however, with brief extracts from each. Mr. Pierson said in closing:—

And though it is but half a century since the doors of this school were opened, its graduates by scores and hundreds are filling honorable and responsible positions in the land,—teachers, writers, mechanics, artists, professional men of every rank and degree,—men managing large manufacturing and mercantile establishments,—one graduate at the head of affairs of the city itself, and others on the floor of the legislature of the Commonwealth, advocating some of the noblest political measures and reforms.

It is a day for congratulation, and for one to bid you "God speed!"

Some of you who are the earliest graduates have done a large part of your life work. You have fought its fiercest battles, borne its heaviest burdens, known its keenest sorrows and disappointments. For you, the stress and strain of existence is in a measure relaxed, and happier and calmer days, we trust, are in store.

But for most of you the battle of life is still to be fought,—its victories to be won. You are still to be brave, patient, and persevering. Whether you are twenty, forty, sixty years of age, you are still the "boys" and "girls"—ardent, earnest, and ambitious to secure by means of your education and discipline the best that life has to bestow.

I am sure you will not wish me to end my sermon without the expression of the common debt of gratitude we feel for the influence and service of the present and past teachers of this school,—men and women of culture and refinement, of kindly natures and courteous manners, whose lives and characters have been a blessing and inspiration to us all. Some of the earlier teachers of this school are dead and gone. Others, who are absent, you remember with gratitude and love. You will want me to mention with courtesy the kind-hearted, genial gentleman who is at the head of the English department. But one name, I am sure, one presence with us still,—the master of the Latin School,—will evoke the special tribute of your love and esteem.

"Honor and reverence and the good repute
That follows faithful service as its fruit,
Be unto him, whom living, we salute."

I must not fail to speak of the faithful men among the living and dead who have stood by the teachers, and to whom this city of Somerville is greatly indebted,—the gentlemen of the School Committee, the worthy and efficient Superintendent, and his venerated and beloved predecessor. All these, with hundreds of our fellow-citizens, rejoice with you in this anniversary, and in all that it signifies.

President Capen spoke at length upon the development of high schools throughout the country, in the state, and especially in our own city. His reference to our own school was in part as follows:—

If we turn now to our own school, whose fiftieth anniversary we are celebrating, it will be no exaggeration to say that it took its place in the beginning in the front rank of the column, and it has kept it there through all the varying movements of the procession. This is the more remarkable because Somerville is neither among the most populous nor the most wealthy of the communities which, for the last fifty years, have maintained high schools. The reasons for this are not difficult to specify.

In the first place, the material for the making of such a school has been and still is of the best possible variety. The people of Somerville have not been, and are not now, as a rule, of the class that are cursed by either poverty or riches. They belong rather to the great upper middle class that are solving the world's problems and doing the world's work. They are of the class who are ambitious for their children, eager to do the most they can for their development, and to give them the most favorable start in life. The majority of them could not afford the expense of sending their children to endowed academies or private schools for instruction, but they could manage to take care of them at a public school near their own homes, and some send those of particular merit and promise forward to the college. This has led them to seek the very best that money could command, both in facilities and in quality of teaching. These conditions, too, have reacted on the product. Children coming from such homes have not only the best possible inheritance, in-

tellectual and moral, but they are the most likely of all to appreciate their privileges, and by industry and ambition alike, to be carried forward to a faithful performance of their tasks. It is the uniform testimony of the authorities of the colleges that have received habitually pupils from the Somerville High School, that none have come to them from any school with better preparation in all the essentials of preliminary training. Speaking for Tufts College, which from the beginning has had a constantly increasing representation from this school, I can say that their training has been eminently satisfactory, and their intellectual and moral quality of the highest. Few, if any, among our students have done more than they to justify the efforts for superior education.

But I should be unfaithful to the demands of this occasion if I failed to give as the chief reason for this position which our High School has maintained throughout, the excellence of its teaching and administration. Certainly it is a most fortunate circumstance that for thirty-five of the fifty years of its existence, or during the entire period of its upbuilding, expansion, and growth, it has had one man at its head; and he a man of rare culture and great executive ability. This man, too, has been assisted by a body of devoted, loyal, capable, and efficient lieutenants, from the accomplished sub-master down through all the grades of service, who in themselves would have given distinction and character to the work of any high school. We cannot afford to withhold this tribute of merited praise in this time of our rejoicing.

The Semi-Centennial exercises proper were held on Monday evening, April 28, at Anthoine Hall. The following is the order of exercises, carried out under the direction of the president of the organization, Frank S. Hartshorn, a member of the first class that graduated, in the presence of an audience of graduates and friends of the school that crowded the hall:—

Orchestra.

Conducted by S. Henry O. Hadley, '62.

Address of Welcome.

Frank S. Hartshorn, '62, Chairman of Organization.

Address, for the City.

His Honor, Mayor Edward Glines, '69.

Song—"Dormi Pure."

Dr. Lon F. Brine, '79.

Address, for the School Committee.

S. Newton Cutler, '73, Chairman of the Board.

Cornet Duet.

Carl E. Merrill, '90, Harry G. Waters, '90.

Address.

Charles W. Eliot, LL.D., President of Harvard University.

Song—"Serenade."

Miss Edith L. Munroe, '87.

Poem, written for the occasion.

Austin M. Works, '01.

Address, for the Graduates and School.

Hon. Franklin E. Huntress, '84.

Violin Solo.

Charles A. Keach, '99.

Singing of the Ode.

His Honor, Mayor Edward Glines, himself a graduate of the school, delivered an eloquent address, reviewing the history of the school, recalling the service of its graduates, and paying glowing tributes to its teachers. He closed as follows:—

We celebrate to-day the close of a half-century of Somerville high school life. Fifty years is a long time; but, like everything that pertains to time, its length or briefness depends upon the view-point from which we observe it. To the youth, such a term of years is an almost incomprehensible period of time; to the old, it is "as a watch in the night," when it is passed. The recent graduate to-night can best measure a half-century by scanning the multitude of hopes and possibilities which stretch along the future's path. The first graduates can only measure it by traversing again, through memory, the path of the years that have gone; by recalling, one after another, the great events which have been the milestones of the world's progress since 1852, or the long chain of happenings, momentous or trifling, which have impressed their own characters or lives.

* * * * *

As the curtain lifts, and we are permitted to peer down the vista of the years, we see—some with a near vision, some far-sightedly—our mates and comrades of other days. Some see the boy who, following his father's lead, joined in the enthusiasm of the presidential campaign of '56, and who four years later cast his first presidential ballot for Abraham Lincoln. Some see the boys who enlisted at the old recruiting stand in Union Square, whose site has just been permanently marked, and the girls who clasped their hands and said "Good-bye,"—and with some it was the last good-bye—as they marched away. Some see the boy who came home with a flag about him for a shroud, and some the boy who went away with chevrons upon his arms, and returned with straps upon his shoulders. Some see those who years ago took Horace Greeley's famous advice, and though they have won fortune, and perhaps fame, in the distant West, have seldom, if ever, returned to their native Somerville. Some see those who, with lives full of promise, were ruthlessly swept away at the very outset of seemingly brilliant careers. And some see those who are perhaps with us to-night in their thoughts, and long to be with us in person; the gold-seeker in the Klondike; the soldier and the teacher in the Philippines; the young man and young woman who are devoting the flower of their lives to the upbuilding of religion and civilization in hitherto uninvaded fields; and those who have, for business, pleasure, or study, sought a temporary home in distant states and lands.

From that first plain school building, whose walls once resounded to the shouts and laughter of the boys and girls of fifty years ago, the work has widened and deepened until an army of eager, earnest, enthusiastic pupils comes from all parts of the city to Central Hill, morning after morning; but the far-reaching effect of this great intellectual influence cannot be estimated. We come here to-day, you and I, as the living testimonials of the splendid value of the training received in the schools of Somerville. We come to our alma mater with the spirit of joy and gratitude within us that it is our alma mater, and we feel a thrill of pride that we have achieved what we have in life largely through the strong and earnest work done here in the days dear to us all. I can truly say that it is the proudest moment of my life when I stand here as the chief executive of my native city and welcome you to the city, remembering that I was a Somerville schoolboy from the first day I entered the primary school until I was graduated from the high school.

In the days of the past many of us came to this spot full of hope and joy, as we entered upon our high school life; a little more serious were the faces as the doors closed for the last time on the school days,

and we went out into life, full of courage, expecting to become conquerors in the great battle for success. How many times when weary with the burden and battle of life we look at the children on their way to school with a song in the heart and a laugh on the lips, and envy them their careless, happy life, and wish we were back again in the dear old time when our books were our heaviest burden, and our reports our greatest trial.

We come back now to the old school home, knowing the full meaning of life's responsibilities, and realizing the value of the lessons taught us here. To-day we seem to have stepped backward, and are again in our schooldays, surrounded by teachers, classmates, school companions. To those who are here to-day, teachers, pupils, and guests, I give you the city's welcome, a welcome from the heart, a welcome true and cordial; and for those who are not with us, those who have gone beyond the gray shadows of life into the eternal brightness, we hold in our hearts sweet and tender thoughts, and for their memory we breathe many a loving word.

The School Board was represented on the programme by its president, S. Newton Cutler, of the class of '73, who spoke in greater part as follows:—

Lord Bacon tells us that he who has wife and children hath given hostages to Fortune, by which, I suppose, he means that in proportion as our treasures multiply, our anxiety concerning them will increase and the possibilities of loss become greater. Yet we are glad to note that, although our high school graduate-family has increased from six in 1862 to 2,129, not counting the many pupils who have taken a partial course, or those who attended prior to 1862,—our hostages have, most of them, not only proved well-deserving, but, as a rule, have received generous treatment at the hands of the capricious goddess. Some of them, indeed, have been permitted to inscribe their names high upon the scroll of fame. It is not mine to speak of these distinguished sons and daughters,—to another has been assigned this delightful task.

I should, however, do justice neither to this occasion nor to my own feelings, were I to fail to honor the man who for five and thirty years has devoted his eminent abilities to the upbuilding of the high school,—the man esteemed and beloved by pupils, teachers, and school committee. Mr. Baxter, I congratulate you upon your life work, an achievement equaled by few, surpassed by none. Ave imperator praeceptorum!

To Miss Fox, also, absent in body, but present, we may be sure, in spirit, we acknowledge our debt of gratitude.

We remember, too, in his enforced absence, him who has made our English High School a model, eulogized by the critics, the Mecca of visiting teachers and of educators throughout New England. Mr. Whitcomb we congratulate upon his phenomenal success, and we wish for him speedily restored health.

And to all the teachers, fourteen of them our own graduates, we tender our acknowledgments and our congratulations, realizing that to them a large measure of credit is due.

Nor would we forget our superintendents. Mr. Davis, grand in his old age, beloved by all; Mr. Meleney, progressive in thought and earnest of purpose; Mr. Southworth, teacher, author, educator, strong in character, and of unsurpassed executive ability. To all of these we are under great obligations.

But my greetings are not in behalf of the present school board alone. "Soldiers," said Napoleon to his army, pointing to the Pyramids of Egypt, "twenty centuries look down upon you." So I say to you: Graduates, the school committees of fifty years look down upon you; they are all interested in your progress; they rejoice in your triumphs.

Did time permit, I should be glad to bring to mind the men and women who have so faithfully and so wisely labored for the schools during the last half-century. I venture, however, merely to give you a few extracts from the records of the committee which may be of interest.

March 24, 1851—Voted, that the committee recommend to the town to purchase a lot of land containing not less than 25,000 feet, west of the church on Church street, or in its immediate vicinity, upon which to erect a building for a High School.

March 31, 1851—Voted, that the committee recommend to the town to erect a substantial, two-story, wooden building of sufficient size to accommodate the high school at a cost not exceeding \$4,800. That the land for the use of the High School be purchased on a credit of five years, interest payable semi-annually.

April 21, 1851—The following communication was received from the Town Clerk:—

To the Rev. A. R. Pope, Chairman of the School Committee,—

Dear Sir: At a meeting of the town of Somerville holden April 7, 1851, it was voted that the School Committee be instructed to purchase a lot of land of not less than 25,000 feet on Church street or in its immediate vicinity, for the establishment of a High School. That the same committee be instructed to erect a suitable building for the High School on the lot to be purchased for the purpose, partly finished and furnished, as necessity may require, at a cost not exceeding \$4,800; and that the Town Treasurer issue his note for the purchase of the land payable in five years, interest payable semi-annually, and to borrow the sum of \$4,000, and give his notes as Treasurer therefor, payable in equal payments of one, two, three, and four years, interest payable semi-annually; and that the Assessors be instructed to place the sum of \$800 in the taxes of the present year for the erection of the building.

(Signed) Respectfully yours,

Charles E. Gilman,
Town Clerk.

June 2, 1851—The School Committee voted unanimously that a committee be appointed to purchase of Mr. Sleeper the lot of land on the corner of Church street (Highland avenue) and Ireland rangeway (School street) for the use of the High School. Messrs. George O. Brastow and I. F. Shepard were appointed said committee.

This same committee, with the addition of Rev. A. R. Pope, the chairman, was also appointed a committee on plans and specifications, and on June 20th reported plans for the High School house.

August 4, 1851—On examining the estimates furnished by the several bidders, it was found that a building with pressed brick front, seventy feet long by fifty feet wide, and thirty feet high, will be of the most suitable style and size for which to contract.

The corner-stone was laid in September, 1851.

March 1, 1852—The following were elected members of the School Committee for the year 1852-1853: Rev. A. R. Pope (chairman), George O. Brastow, Isaac F. Shepard, John K. Hall, Dr. Charles I. Putnam, Jonathan Brown, Jr., and James Hill.

March 5, 1852—Robert Bickford, master of the Prescott Grammar School, was unanimously elected master of the "Somerville Free High School," at a salary of \$900.

The schoolhouse was dedicated fifty years ago to-day, April 28, and opened May 3, sixty-one pupils attending during the first term. For nearly twenty years the school occupied its first building, during which time 853 scholars were admitted.

February 27, 1872—The first Mayor, the Hon. George O. Brastow, and the first School Committee of the newly-established city of Somerville dedicated the second High School house, the present Latin building, and it was occupied March 4 by 150 pupils.

This building now contains about 300 scholars, and, although of sufficient size for immediate needs, is not adapted to modern methods and conditions, and should be replaced by a new edifice with approved arrangements and furnishings.

The opening of the English High School in 1895 is fresh in your memory, and I will not weary you by comment further than to remark that it has already outgrown its quarters, and is in urgent need of additional accommodations.

President Eliot of Harvard gave a brief, but inspiring address, chiefly devoted to answering the question, "How can we make the after-life train us if we are cut off from a systematic education at eighteen?" His allusion to the High School was as follows:—

It is a great pleasure for me to come here and congratulate the city of Somerville on its fifty-year-old High School. It has had a most honorable career.

The English parliament is even now disturbed as to whether it shall establish High Schools. England hasn't any free High Schools over there at all. Somerville started fifty years ago, and has demonstrated the value of secondary education.

I congratulate my friend, Mr. Baxter. The gratitude of the people is worth earning. It is not easily earned. Harvard University is grateful to him. He has sent well-trained pupils there every year for the past thirty-five years. And I can hardly think of any other teacher who has done so much.

The exercises of the evening were brought to a fitting close by the address of Hon. Franklin E. Huntress, of the class of 1884, filled with personal reminiscences and allusions to graduates who have become influential if not famous. He closed as follows:—

I have called attention to only a small fraction of the work of the Somerville High School and of its teachers. What this school and these teachers have done for fifty years for the progress of mankind and civilization could not be told in one evening, no, not in many evenings. The lives of these teachers have been given to a good work, the results of which will be seen when the edifices on Central Hill have crumbled to dust, and perhaps even the name of our fair city forgotten.

The Somerville High School is here to-night, a living, breathing entity—the bricks and stone simply make of the two great building shells, from which the vital spark has at this moment gone.

I have little patience with the citizen who decries expenditures that are as necessary to our educational system as are the tools of his craft to the artisan. I, for one, prefer to incur the risk of being called extravagant, by building large schools, by ample remuneration for our instructors, and by keeping fully abreast of the times. The city cannot make its schools any too good. They should be so good that no private school in the length and breadth of the land can excel them. As graduates we must do more than remain passive,—we must strenuously insist that such privileges are given in full. I do not wish to be understood as encouraging extravagant expenditure,—but rather real economy. Because I know that the educational niggard is a most expensive piece of political machinery for city, state, or nation.

Let us each with all our little strength endeavor to be progressive, to uphold what has been so well created, and in the newness of things, to lay still broader and firmer foundations. The intelligence of the peo-

ple of Somerville will be judged by its schools, and these schools must be second to none!

We are justified in rejoicing to-night, fellow schoolmates, over the benefits and pleasures we derived from our high school days. We have our own duty to perform. We should consecrate ourselves to the endeavor of insuring to those who are following in our footsteps all that was accorded to us.

We should do our share of this work while the opportunity is at hand. The world has recently had a great object lesson on this point in the life and death of the late Cecil Rhodes. Let us profit by this impressive example, and remember that when this great materialist, with the wealth and arms of the mighty English nation at his beck and call, saw, for the first time with his dying eyes, the vanity of earthly riches,—the emptiness of pomp and power, and the lost opportunities while living of uplifting his fellowman, he uttered these pregnant words: "So little done—so much to do!"

At the close of the exercises in the hall, the audience adjourned to the High School buildings, where the following programme brought the Anniversary exercises of the day to a close:—

At the Latin School Building,

Reception to Mr. and Mrs. George L. Baxter.

At the English High School Building,

Reception to Mr. and Mrs. Charles T. C. Whitcomb.

Class Reunions.

Class cheering under the direction of Frank E. Fitts, Jr., L., '99, and Arthur F. Gooding, L., '99.

Collations served in both buildings.

Parting Song, sung at 11.45.

On Tuesday evening, April 29, a "Soiree," largely attended by the younger graduates and their friends, ended the celebration and festivities of three days.

All the Anniversary exercises from beginning to end were admirably planned and executed, and constitute a memorable event in the history of the school and of the city.

ORGANIZATION OF SOMERVILLE SCHOOLS.

Information concerning our schools is frequently sought by citizens or by school men in other localities. Following are the principal facts concerning them. Additional knowledge may be gained from the Rules and Regulations:—

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 12.

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 no exclusively primary school buildings, the ninety-one primary classes being distributed among twenty-two school-houses.

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.

At present the primary classes contain 4,083 pupils, 39 per cent. of whom are in the first grade, 31 per cent. in the second, and 30 per cent. in the third. Average number to a teacher, 47.

Only trained or experienced teachers are employed, the salaries being \$300, \$400, \$500, \$600, or \$650, according to length of service. Normal training is equivalent to a year's experience, and experience in other places is counted in determining salary.

First-grade teachers, with classes numbering fifty, are allowed an assistant, who is paid \$200, \$275, \$350, or \$425, according to years of service.

Grammar Schools. The grammar classes are found chiefly in eleven large buildings, of twelve rooms each. The course covers six years, and includes only those studies which the statute requires, with the addition of music, sewing, and elementary science.

Eleven hundred and six pupils were promoted into the fourth grade in June last, at an average age of 9 years, 4 months. Four hundred and ninety-seven were graduated in June, at an average age of 15 years, 4 months. There are at the present time (December, 1902) 5,541 in the grammar schools.

The salaries of grammar school teachers are the same as those of primary teachers. Masters are paid \$1,900, and their assistants \$725. Other ninth-grade teachers are paid \$700.

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 1902 less than 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. Thirty were thus promoted in 1902.

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 a 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

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

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

Graduates of grammar schools are admitted to either High School on presenting a certificate of qualification signed by a master. All other pupils are admitted by an examination in grammar school studies, given usually on the Saturday 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 are given on later pages of this report.

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

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

The wide range of elective studies is a distinctive feature of the school. The choice of the first year may be one of the following: Latin, French, German, biology (botany and zoology), manual training, and mechanical drawing. To these physics is added for the second year, and chemistry, geology, and astronomy for the third and fourth. After the second year two or more electives may be taken.

During the third and fourth years the student may elect in a business course bookkeeping, commercial arithmetic, commercial law, penmanship, stenography, typewriting; in mathematics, advanced algebra, solid geometry, analytical geometry, and trigonometry; in advanced science, work in botany, zoology, physics, chemistry, and drawing.

Of the fifteen periods of prepared work, the course prescribes ten periods the first year, eleven periods the second year, seven periods the third year, and seven periods the fourth year. The pupil has the privilege of selecting from the list of elective studies subjects whose recitation periods each week, or their equivalents, when added to the required prepared work, shall equal the necessary fifteen periods.

Concerning admission, sessions, etc., see Latin School.

A simple, healthful, inexpensive lunch is served at the recess midway of each 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 not been extended to include grammar schools.

The sub-master in charge of the manual training department is paid \$1,700, and his assistants \$1,550 and \$800.

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

Three special teachers are employed at salaries of \$650, \$650, and \$600.

Music. Weekly 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 for five days' service. The books used are "The Euterpean," "The Cecilian Series of Music and Song," Nos. 2, 3, and 4, and "The Laurel Song Book."

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 thirteen days. She is paid \$900. 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 session into thirds. The English School has a single recess at the end of the third period.

The four lower elementary grades have a five-minute recess midway of each session. The five upper grammar grades have no recess, though no unreasonable physical restraint is placed upon any pupil.

No detention of pupils is allowed at noon, and but a half-hour's detention at the close of the afternoon session, "for willful 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 offense, the approval of the principal being first obtained. Each case must be reported in detail to the Superintendent. There were 270 cases in 1900, 284 in 1901, and 328 in 1902.

Drawing. Two teachers of drawing are employed in the English High School at salaries of \$900 and \$650. 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 are taught 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 pencils are provided in primary grades, and water-colors and brush in grammar grades.

Penmanship. Intermedial slant writing is in use in the elementary schools, the Whitehouse system being used. The supervisor visits each class once in four weeks, and receives \$1,200.

Student Teachers. At the present time one student teacher is employed in the Latin School. She serves without pay, under the direction of the Head Master.

The Public Library. The English School has a working library of 1,000 volumes, but it draws constantly on the public library, located in an adjoining building.

For four years there has been a constant use of the library by school children. Circulating libraries of fresh books are in use in the smaller buildings. Books are delivered and collected each week at the large grammar schools. As far as they can, the teachers aid 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 drawing school for freehand and mechanical work is open in the Latin schoolhouse from October to April, on Tuesday and Thursday evenings, from 7.30 to 9.30. The principal is paid \$6, and assistants \$3 and \$4 an evening.

Elementary evening schools are open in the Prescott, Bell, Forster, 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 statute. Principals receive \$3 or \$4, and assistants \$2.50, \$2, \$1.50, or \$1 each evening.

Truants. The city employs one active truant officer, who is paid \$1,100 and the board of his horse. Truants are sent to the county truant school at North Chelmsford. There are now nine 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 supply agent. His salary is \$3,000, and he is allowed a clerk, who receives \$650. 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 12 and from 1.30 to 5 on school days, and from 8 to 10 on Saturday.

Meetings of Board. 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.

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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	a4	.....	\$62,000	1871	32	
2	English High	b15	.....	137,600	1895	8	
3	Prescott	12	22,000	66,250	1867	36	
4	Knapp	12	24,517	50,250	1889	14	4 rooms added 1894
5	Pope	12	27,236	80,850	1891	12	
6	Bell	12	22,262	45,250	1874	29	
7	Edgerly	12	24,000	44,250	1871	32	{ 4 rooms added 1882 4 rooms added 1892
8	Glines	14	28,800	80,800	1891	12	5 rooms added 1896
9	Forster	20	30,632	85,350	1866	37	6 rooms added 1899
10	Carr	15	20,450	53,800	1898	5	
11	Morse	12	29,000	46,250	1869	34	6 rooms added 1890
12	Highland	12	23,260	60,250	1880	23	4 rooms added 1891
13	Hodgkins	12	35,034	71,550	1896	7	
14	Bennett	12	17,000	54,800	1902	1	
15	Bingham	8	21,424	32,200	1886	17	4 rooms added 1894
16	Burns	8	16,080	34,600	1886	17	4 rooms added 1899
17	Hanscom	6	12,756	49,500	1897	6	
18	Baxter	6	11,000	32,956	1901	2	
19	Perry	6	46,080	37,000	1899	4	
20	Brown	6	20,093	39,690	1901	2	
21	Davis	4	30,155	22,650	1884	19	
22	Cummings	4	11,300	11,850	1884	19	
23	Durell	4	13,883	19,650	1894	9	
24	Lincoln	4	17,662	18,150	1885	18	
	Total	232	.....	\$1,237,496	....	..

(a) Six recitation rooms, a physical laboratory, three teachers' rooms.

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

TABLE 2.—COST OF MAINTAINING SCHOOLS, 1902.

SCHOOLS.	Teachers.	Care.	Supplies.	Total.
Latin High . . .	\$13,464 86	\$1,733 99	\$1,349 85	\$16,548 70
English High . . .	36,613 58	3,596 03	4,126 31	44,335 92
Prescott	11,138 77	1,350 82	829 96	13,319 55
Knapp	10,473 34	1,555 40	1,132 38	13,161 12
Pope	10,518 35	1,443 33	645 17	12,606 85
Bell	10,487 09	1,221 65	724 63	12,433 37
Edgerly	10,506 66	1,286 58	781 22	12,574 46
Glines	12,441 55	1,426 90	659 14	14,527 59
Forster	16,444 08	2,754 80	1,226 76	20,425 64
Carr	13,145 28	2,082 01	859 92	16,087 21
Morse	11,132 76	1,466 32	989 23	13,588 31
Highland	10,698 69	1,459 74	841 20	12,999 63
Hodgkins	11,494 19	1,240 28	833 40	13,567 87
Bingham	6,420 57	973 56	395 52	7,789 65
Burns	6,553 96	991 79	413 70	7,959 45
Bennett	7,880 40	1,397 94	815 44	10,093 78
Hanscom	4,672 45	966 18	405 14	6,043 77
Baxter	4,098 46	840 37	469 42	5,408 25
Perry	3,995 08	888 70	297 18	5,180 96
Brown	4,330 56	1,014 53	233 79	5,578 88
Davis	2,828 45	522 75	152 55	3,503 75
Cummings	2,832 70	595 30	255 17	3,683 17
Durell	2,856 06	743 05	173 06	3,772 17
Lincoln	3,152 97	561 00	323 56	4,037 53
Evening	5,602 11	1,038 26	328 38	6,968 75
Vacation	427 50		123 43	550 93
Totals	\$234,210 47	\$33,151 28	\$19,385 51	\$286,747 26

TABLE 3.—PER CAPITA COST OF MAINTAINING SCHOOLS, 1902.

SCHOOLS.	Teachers.	Care.	Supplies.	Total.
Latin High . . .	\$40 44	\$5 21	\$4 05	\$49 70
English High . . .	49 41	4 85	5 57	59 83
Prescott . . .	20 59	2 50	1 53	24 62
Knapp . . .	21 46	3 19	2 32	26 97
Pope . . .	20 66	2 84	1 27	24 77
Bell . . .	20 05	2 34	1 39	23 78
Edgerly . . .	19 71	2 41	1 47	23 59
Glines . . .	21 45	2 46	1 14	25 05
Forster . . .	19 10	3 20	1 42	23 72
Carr . . .	19 92	3 16	1 46	24 54
Morse . . .	19 53	2 57	1 74	23 84
Highland . . .	18 84	2 57	1 48	22 89
Hodgkins . . .	19 38	2 09	1 41	22 88
Bingham . . .	17 54	2 66	1 08	21 28
Burns . . .	17 76	2 69	1 12	21 57
Bennett . . .	18 89	3 35	1 96	24 20
Hanscom . . .	18 11	1 75	1 57	21 43
Baxter . . .	17 98	3 69	2 06	23 73
Perry . . .	15 67	3 49	1 17	20 33
Brown . . .	15 19	3 56	82	19 57
Davis . . .	16 84	3 11	91	20 86
Cummings . . .	17 92	3 77	1 62	23 31
Durell . . .	14 72	3 83	89	19 44
Lincoln . . .	15 46	3 07	1 59	20 12
High Schools . . .	\$46 63	\$4 96	\$5 10	\$56 69
Gram. and Primary . . .	19 74	2 98	1 49	24 21
All Schools . . .	22 52	3 19	1 86	27 57
Gram. and Prim. with- out Evening Schools and Vacation . . .	19 09	2 87	1 44	23 40
All Schools without Evening Schools and Vacation . . .	21 94	3 09	1 82	26 85

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.
1885	4,904	\$79,506	\$728	\$4,965	\$4000	\$8,449	\$97,648
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

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.
1885	\$16 21	\$1 98	\$1 72	\$19 91	\$24,878,400	.00392
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

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.
1885	\$19,185	\$7,052	\$97,648	\$113,885
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

TABLE 7.—POPULATION AND SCHOOL CENSUS.

POPULATION.					
1842 . . .	1,013	1875 . . .	21,594	1900 . . .	61,634
1850 . . .	3,540	1880 . . .	24,985	1901 . . .	63,000
1860 . . .	8,025	1885 . . .	29,992	1902 . . .	65,273
1865 . . .	9,366	1890 . . .	40,117		
1870 . . .	14,693	1895 . . .	52,200		

SCHOOL CENSUS, 1902.

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

	1902.	1901.	Change.
Ward 1	1,701	1,681	+20
Ward 2	2,436	2,438	-2
Ward 3	936	943	-7
Ward 4	1,037	1,010	+27
Ward 5	1,880	1,667	+213
Ward 6	1,829	1,693	+136
Ward 7	1,384	1,283	+101
Total	11,203	10,715	+488
In public schools	9,378	8,972	+406
In private schools	1,557	1,440	+117
Out of school	390	387	+3
Total at school	11,325	10,799	526

Number of compulsory school age, 7 to 14:—

In public schools, males	3,838	7,795
females	3,857	
In private schools, males	461	1,007
females	546	
Total	8,802	

Number of illiterate minors	111
Children under 7 out of school	246
" between 7 and 14 out on account of sickness	50
" 14 years old at work	86
Total number out of school	390

TABLE 8.—ATTENDANCE OF THE PUBLIC SCHOOLS, 1902.

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.
4	Latin . . .	342	333	322	96.5	316	370	34.0
15	English . . .	801	741	703	94.9	750	778	40.9
12	Prescott . . .	701	541	503	93.0	559	560	46.7
12	Knapp . . .	590	488	462	94.7	506	508	42.3
12	Pope . . .	568	509	482	94.9	489	512	42.7
12	Bell . . .	615	523	502	96.0	537	527	43.6
12	Edgerly . . .	650	533	502	94.2	543	562	46.9
14	Glines . . .	802	580	543	93.8	621	639	42.6
20	Forster . . .	1,005	861	809	94.0	867	923	44.0
15	Carr . . .	753	660	608	92.2	652	721	45.1
12	Morse . . .	743	570	527	93.0	604	585	45.0
12	Highland . . .	683	568	534	93.9	567	603	50.2
13	Hodgkins . . .	731	593	568	95.8	602	601	46.2
8	Bingham . . .	516	366	341	93.3	378	374	46.7
8	Burns . . .	493	369	332	89.9	378	410	51.3
10	Bennett . . .	637	417	367	90.2	431	441	43.0
6	Hanscom . . .	360	258	239	93.4	262	273	45.0
6	Baxter . . .	344	228	204	89.8	209	266	44.3
6	Perry . . .	346	255	241	94.3	276	256	42.6
6	Brown . . .	384	285	264	92.6	282	306	51.0
4	Davis . . .	232	168	156	92.7	166	171	42.7
4	Cummings . . .	224	158	147	92.1	172	165	41.0
4	Durell . . .	271	194	184	94.8	197	195	48.7
4	Lincoln . . .	315	204	194	95.1	190	223	44.6
231	Total . . .	13,116	10,402	9,733	93.5	10,554	10,969	44.6
229	Total for 1901 . . .	12,499	9,991	9,350	93.6	10,058	10,643	45.2

Cases of Tardiness	1900.	1901.	1902.
“ Dismissals	2,759	2,937	3,335
“ Corporal Punishment	1,515	1,746	1,978
“	207	284	228

TABLE 9.—STATISTICS OF HIGH SCHOOLS FOR SCHOOL YEAR, SEPTEMBER 3, 1901, TO JUNE 30, 1902.

	Latin.	English.
Number of teachers	10	34
Number of days school kept	184	185
Number enrolled	334	836
Average number belonging	313.5	738.4
Average daily attendance	301.6	699.5
Per cent. of attendance	96.2	94.7
Tardiness	120	250
Dismissals	173	211
In Class I. September, 1901	114	294
June	110	236
Per cent. of loss	3.5	19.7
In Class II. September, 1901	94	183
June	91	167
Per cent. of loss	3.2	8.7
In Class III. September, 1901	48	193
June	46	172
Per cent. of loss	4.2	10.9
In Class IV. September, 1901	59	124
June	60	114
Per cent. of loss	0	8.1
Special Students, September	5	27
June	4	19
Total, September, 1901	320	821
June	311	697
Per cent. of loss	2.8	15.1
Number of graduates, male	21	39
Number of graduates, female	35	69
Total	56	108
Average age, male	18-8	18-11
Average age, female	18-7	19-1
Number of graduates entering college	31	7*
Number of graduates entering technical schools	0	9
Number of graduates entering normal schools	3	11
Cost of instruction	\$12,583 00	\$35,989 25
Cost of supplies and equipment	837 21	3,969 23
Total cost	13,420 21	39,958 48
Per capita cost of instruction	40 13	48 74
Per capita cost of supplies and equipment	2 67	5 38
Total cost per capita	42 80	54 12

* Or technical schools connected therewith.

TABLE 10.—PUPILS BY GRADES, 1902.

SCHOOL.	GRADE.	TEACHERS.			PUPILS.			Average Age.		Never in School Before.	From Other City Schools.	From Other Schools.
		Men.	Women.		Boys.	Girls.	Total.	Years.	Months.			
			Regular.	Assistants.								
Latin	Thirteenth . . .	.....	.....	.....	26	34	60	18	4	.....	5	3
"	Twelfth . . .	.....	.....	.....	46	42	88	17	0	.....	1	4
"	Eleventh . . .	.....	.....	.....	46	51	97	16	3	.....	2	2
"	Tenth . . .	.....	.....	.....	62	63	125	15	4	.....	119	11
	Total . . .	4	7	.....	180	190	370	..	.....	.....	127	20
English	Special . . .	.....	.....	.....	3	13	16	19	4	.....	4	2
"	Thirteenth . . .	.....	.....	.....	51	100	151	18	6	.....	.....	2
"	Twelfth . . .	.....	.....	.....	40	107	147	17	7	.....	4	4
"	Eleventh . . .	.....	.....	.....	99	115	214	16	6	.....	7	6
"	Tenth . . .	.....	.....	.....	103	147	250	15	8	.....	238	23
	Total . . .	10	24	.....	296	482	778	....	.....	.....	253	37
	Total High School .	14	31	.....	476	672	1,148	....	.....	.....	380	57
Grammar	Ninth . . .	9	16	.....	231	282	513	14	9	.....	14	27
"	Eighth . . .	.....	16	.....	311	376	687	13	11	.....	41	52
"	Seventh . . .	.....	22	.....	441	491	932	13	0	.....	35	62
"	Sixth . . .	.....	24	.....	500	521	1,021	12	1	.....	179	100
"	Fifth . . .	1	23	3	598	585	1,183	10	11	.....	263	128
"	Fourth . . .	.....	29	.....	607	598	1,205	9	10	.....	167	164
	Total Grammar . . .	10	130	3	2,688	2,853	5,541	....	.....	.....	699	533
Primary	Third . . .	.....	25	1	633	599	1,232	8	8	1	156	177
"	Second . . .	.....	29	.....	651	615	1,266	7	6	1	170	189
"	First . . .	.....	33	1	830	755	1,585	6	2	1,184	172	255
	Total Primary . . .	.....	87	2	2,114	1,969	4,083	....	.....	1,186	498	621
	Total Grammar and Primary .	10	217	5	4,802	4,822	9,624	....	.....	1,196	1,197	1,154
	Kindergarten .	.....	4	4	93	104	197	4	8	209	3	.....
	Special Teachers . . .	2	5	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Grand Totals	26	257	9	5,371	5,598	10,969	...	.....	1,395	1,200	1,154

TABLE 11.—PUPILS IN HIGH AND GRAMMAR SCHOOLS.

	High Schools.	Grammar and Primary Schools	Kinder- gartens.	Total.
Annual enrollment	1,143	11,560	413	13,116
Average membership	1,074	9,137	191	10,402
Average attendance	1,025	8,565	156	9,746
Per cent. of attendance	95.4	93.7	81.7	93.5
Number cases of tardiness	377	2,958	...	3,335
Number cases of dismissal	415	1,563	...	1,978
Number cases of punishment . . . . .	...	328	...	328
Membership, January, 1902	1,066	9,294	194	10,554
Membership, December, 1902	1,148	9,624	197	10,969
Average number to a room	37.5	45.3	49.0	44.6

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

SCHOOL.	1898.	1899.	1900.	1901.	1902.	SCHOOL.	1898.	1899.	1900.	1901.	1902.
Prescott	37	53	56	49	69	Glines	65	69	70	70	80
Hanscom	45	57	56	42	41	Forster	42	71	69	80	77
Davis	26	34	27	37	43	Bingham	53	60	65	78	84
Bennett	27	47	41	41	73	Carr	49	52	50	61	44
Baxter . . . . .	.....	.....	.....	34	35	Morse	58	66	64	75	76
Knapp	59	63	73	40	38	Durell	25	46	34	40	44
Perry	15	51	42	48	42	Burns	42	67	64	68	71
Pope	22	37	42	26	37	Highland	43	47	77	44	51
Bell	27	32	43	34	37	Hodgkins	51	60	61	70	61
Cummings	33	37	31	31	39	Lincoln	46	44	33	25	35
Edgerly	26	32	24	36	51	Brown . . . . .	.....	.....	.....	40	56

TABLE 13.—GRAMMAR SCHOOL GRADUATES, 1902.

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 . . .	41	2	35	..	7	2	13	2	20
Knapp . . .	31	5	26	..	3	1	16	1	19
Pope . . .	35	5	30	..	5	3	12	3	17
Bell . . .	48	6	42	..	9	2	31	2	40
Edgerly . . .	46	6	40	2	6	1	21	3	27
Glines . . .	40	3	35	1	5	2	19	3	24
Forster . . .	61	6	51	2	24	3	20	5	44
Carr . . .	51	7	36	3	13	1	14	4	27
Morse . . .	45	7	32	..	9	5	19	5	28
Highland . . .	67	4	63	..	18	1	31	1	49
Hodgkins . . .	32	3	29	..	8	1	17	1	25
Outside . . .	..	..	..	10	..	23	..	33	..
Total . . .	497	54	419	18	107	45	213	63	320

TABLE 14.—TRUANT STATISTICS.

	1897.	1898.	1899.	1900.	1901.	1902.
Number of visits of officer to schools	427	415	538	501	470	435
Absences investigated	342	411	448	470	502	384
Cases of truancy	110	135	158	105	106	163
Truants arrested	10	7	6	6	8	..
Sent to Truant School	8	6	6	4	9	6
Number now in Truant School . . . . .	..	9	7	4	10	9

TABLE 15.—ATTENDANCE IN ELEMENTARY EVENING SCHOOLS, SEASON OF 1901-1902.

		Prescott.	Bell.	Forster.	Highland.	Total.
Enrolled	Male	62	320	85	58	525
	Female	15	84	51	25	175
	Total	77	404	136	83	700
Ave. Membership . .	Male	39	136	32	32	239
	Female	11	36	19	18	84
	Total	50	172	51	50	323
Ave. Attendance . .	Male	29	100	22	23	174
	Female	8	28	12	14	62
	Total	37	128	34	37	236
Per cent. Att. out of No. Belonging . . . .	. . .	74.0	74.4	66.7	74.0	73.1
Per cent. Att. out of Enrollment . . . .	. . .	48.1	31.7	25.0	44.6	33.7
No. of Teachers . .	Male	2	4	2	2	10
	Female	2	12	2	2	18
	Total	4	16	4	4	28
No. of Sessions . .	. . .	74	94	74	58	300
Teachers, cost of . .	. . .	\$541 00	\$2,659 50	\$622 50	\$523 00	\$4,346 00
Janitors and supplies, cost of . . . .	. . .	222 03	525 67	209 21	148 76	1,105 67
	Total	\$763 03	\$3,185 17	\$831 71	\$671 76	\$5,451 67
Cost per pupil per evening . . . .	. . .	\$0 281	\$0 273	\$0 338	\$0 319	\$0 303
Cost per evening . .	. . .	10 40	34 94	11 49	11 80	18 17
Cost per pupil in ave. membership . . . .	. . .	15 26	18 52	16 31	13 43	16 88
Cost per pupil in ave. attendance . . . .	. . .	20 62	24 88	24 46	18 16	23 10

Average attendance: — October 339 November 281
 December 209 January 200 February 147 March 94

TABLE 15 (Concluded).—Evening Drawing School, Season of 1901-1902.

		Industrial.	Freehand.	Total.
Enrolled	Male	149	32	181
	Female	..	30	30
	Total	149	62	211
Ave. Membership	Male	93	17	110
	Female	..	16	16
	Total	93	33	126
Ave. Attendance	Male	79	11	90
	Female	..	9	9
	Total	79	20	99
Per cent. Attendance out of No. Belonging	Male	84.9	64.7	81.8
	Female	..	56.3	56.3
	Total	84.9	60.6	78.6
Per cent. Attendance out of Enrollment	Male	53.0	34.4	49.7
	Female	..	30.0	30.0
	Total	53.0	32.3	46.9
No. of Teachers	Male	4	..	4
	Female	..	2	2
	Total	4	2	6

Cost of Instruction	\$1,081 00
Cost of Supplies, Janitors, and Light	342 80
Total cost	\$1,423 80
Cost per Capita (Average Membership)	11 30
Cost per Capita (Average Attendance)	14 38
Number of Sessions	46
Average Attendance:—	
October	137
November	115
December	112
January	88
February	85
March	74

TABLE 16.—GRAMMAR SCHOOL GRADUATES

FOR A SERIES OF YEARS.

YEAR.	Prescott.	Bell.	Forster.	Morse.	Higghland.	Egerly.	Pope.	Knapp.	Hodgkins.	Glines.	Carr.	Total.	Average Membership of Grammar and Primary Schools.	Per cent. of Average Membership.	Entered High School.	Per cent. entering of those Graduating.
1885	51	73	28	30	29							211	4,584	4.60	155	73.46
1886	60	66	26	23	22							197	4,635	4.25	133	67.51
1887	52	67	28	37	37							221	4,849	4.56	146	66.06
1888	54	64	34	41	50							243	5,109	4.75	156	64.19
1889	59	91	48	42	41							281	5,568	5.04	169	60.14
1890	54	106	45	56	57							318	6,062	5.24	184	57.86
1891	44	73	41	55	44	39						296	6,035	4.90	199	67.23
1892	41	36	75	49	45	49	36					370	6,525	5.67	228	61.62
1893	40	60	48	63	67	46	36	39				398	6,674	5.97	240	60.30
1894	39	29	79	66	68	41	35	32				389	6,600	5.89	253	65.04
1895	36	32	58	63	73	42	36	34				374	6,955	5.37	255	68.18
1896	38	34	72	38	70	46	37	35				370	7,201	5.13	281	76.00
1897	34	39	50	48	41	29	30	35	45	27		368	7,602	4.84	273	74.19
1898	36	43	31	46	36	50	36	28	41	35		382	8,029	4.75	281	73.56
1899	37	50	62	48	49	40	34	34	39	37	38	468	8,351	5.60	345	73.72
1900	36	45	43	31	43	47	44	34	42	36	33	434	8,689	4.99	317	73.00
1901	34	38	70	43	72	47	43	38	41	35	36	497	8,811	5.64	372	74.80
1902	41	48	61	45	67	46	35	31	32	40	51	497	9,328	5.33	350	70.40
	786	994	899	824	911	522	402	368	240	210	158	6,314	119,538	5.29	4,277	67.74

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.
1885	6,276	4,904	4,627	94.4	2,480	0.536
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

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

TABLE 19.—PROMOTIONS FOR SCHOOL YEAR ENDING
JUNE 30, 1902.

GRADE.	On June Promo- tion 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	1,443	1,060	69	314	4	6	1
II	1,318	1,040	104	174	6	2	7
III	1,211	1,015	91	105	3	11	14
IV	1,142	955	104	83	..	3	18
V	1,075	846	116	113	10	4	19
VI	992	773	119	100	..	4	21
VII	741	560	105	76	1	..	22
VIII	574	456	70	48	4	3	13
IX	513	419	54	40	2	..	..
Total	9,009	7,124	832	1,053	30	33	115

Percentage of Promotions for School Year Ending June 30, 1902.

GRADE.	On June Promo- tion 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	73.5	4.9	21.6	0.30	0.42	1.4
II	100	79.0	7.9	13.1	0.45	0.15	6.7
III	100	83.8	7.5	8.7	0.25	0.90	15.4
IV	100	83.6	9.1	7.3	....	0.26	17.3
V	100	78.7	10.8	10.5	0.93	0.37	16.4
VI	100	77.9	12.0	10.1	....	0.40	18.5
VII	100	75.6	14.2	10.2	0.13	....	20.9
VIII	100	79.5	12.2	8.3	0.70	0.52	18.6
IX	100	81.7	10.5	8.2	0.39	....	....
Total	100	79.1	9.2	11.7	0.33	0.36	13.8

TABLE 20.—RESIGNATIONS OF TEACHERS.

SCHOOL.	Teacher.	Resignation Took Effect.	In Service.
Davis . . .	Harriet E. Roxbury,	Jan. 31.	4 yrs. 5 mos.
English High.	Merrill S. Lovering,	Feb. 21.	1 " 6 "
Glines . . .	Mary G. Woodman,	March 28.	2 " 7 "
Hodgkins . .	Berthe M. Mason,	"	7 " 7 "
English High.	Mary P. Anderson,	June 30.	7 "
Perry . . .	Florence M. Marshall,	"	3 "
Edgerly . . .	M. Eva Warren,	"	4 "
Edgerly . . .	Elizabeth M. Wheelock,	"	1 "
Forster . . .	Lucetta Knowles,	"	1 "
Carr	Jennie E. Sutherland,	"	4 "
Hodgkins . .	Ida M. Pettee,	"	3 "
Hodgkins . .	Eva E. Whiting,	"	1 "
Prospect Hill.	Sarah I. Baird Teague,	"	7 "
English High.	Mary P. Hitchcock,	"	7 "
English High.	M. Jessamine Dixon,	"	7 "
Cummings . .	Lydia J. Page,	"	33 "
Carr	Mabel A. Mann,	"	4 "
Glines	Emma E. Norcross,	"	3 "
Forster . . .	Jo Winslow King,	"	3 "
Forster . . .	Fannie E. Jennison,	Oct. 8.	6 " 1 mo.
Highland . .	J. Sherman Richardson,	Dec. 24.	3 mos.
Perry	Mirion H. Milner,	"	3 yrs.
Durell	Maude M. Brackett,	"	3 " 4 mos.

TABLE 21.—TEACHERS ELECTED IN 1902.

SCHOOL.	Teacher.	Coming From	Began Service.	Salary.
Davis	Gertrude D. Goodale,	Malden.	Feb. 10.	\$650
Bingham . . .	Beatrice Kendall,	Somerville.	Sept. 8.	650
Bennett . . .	Bertha M. Martindale,	New Bedford.	"	650
Edgerly . . .	Mary Corry,	Cobleskill, N. Y.	"	725
Edgerly . . .	Maud J. Nickerson,	Melrose.	"	650
Glines	Lilla M. Marble,	Leominster.	"	650
Glines	Zelpha L. Thayer,	Reading.	"	650
Forster . . .	Emma G. Blanchard,	Everett.	"	650
Forster . . .	Rosabelle M. Franklin,	Medford.	"	650
Hodgkins . . .	Catharine A. Burden,	Everett.	"	650
Bennett . . .	Kate B. Gifford,	Everett.	"	650
Edgerly . . .	Naomi E. Stevens,	Melrose.	"	650
Carr	May E. Berry,	Somerville.	"	650
Morse	Abigail P. Hazelton,	Stoneham.	"	650
English High .	Elizabeth Campbell,	Winthrop.	"	900
English High .	Bessie D. Davis,	Somerville.	"	900
Baxter	Elizabeth E. Carr,	Danvers.	"	650
Perry	Helen M. Cogan,	Somerville.	"	400
Cummings . .	Ruth B. Stanley,	Mineville, N. Y.	"	650
Hodgkins . . .	Maude C. Valentine,	Somerville.	"	400
Hodgkins . . .	Lilla E. Mann,	Malden.	"	650
Highland . . .	J. Sherman Richardson,	Beachmont.	Oct. 6.	1,800
Highland . . .	Mary F. Kelley,	Beachmont.	"	650
Forster . . .	Winifred S. Clark,	W. Springfield.	Oct. 27.	650
Highland . . .	Ernest W. Robinson,	Fitchburg.	Jan. 2, '03.	1,800
Durell	Etta C. Rochefort,	Everett.	"	650

TABLE 22.—LEAVE OF ABSENCE OF TEACHERS.

March 31. A. Marion Merrill, for two months.
 April 30. Esther Bailey, for two months.
 May 26. Mary E. Coyle, for one year.
 September 29. George E. Nichols, for nine months.

TABLE 23.—TRANSFER OF TEACHERS.

TEACHERS.	From	To
Gertrude D. Goodale	Davis	Hanscom
P. M. Pigeon	Hanscom	Davis
Annie E. McCarty	Prospect Hill	Clark Bennett
Frances A. Wilder	"	"
Agnes S. Campbell	Bennett	"
Katharine C. Connolly	Prospect Hill	"
Kate L. Wheeler	"	"
Isadore E. Taylor	"	"
Miriam Cavanagh	Bennett	"
Carrie L. Bliss	"	"
Cara M. Johnson	Morse	Burns
Alice T. McNamara	Highland	Lincoln

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.
1885	9	63	48	1	0	10	111	121
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

*Four Kindergartners.

†Two Secretaries.

TABLE 25.—BOOKS AUTHORIZED FOR USE, 1902.

For Grammar and Primary Schools.

"Great Artists" Series.....	Educational Publishing Co.
Arnold Primer.....	Silver, Burdett & Co.
Hawthorne Readers.....	Globe School Book Co.
Graded Literature Readers.....	Maynard, Merrill & Co.
Word Builder, Gage and O'Loughlin.....	B. H. Sanborn & Co.

For High Schools.

Leberecht Huhnchen.....	Seidel
A Text-Book in Physics.....	Wentworth & Hill

TABLE 26.—GRADUATION EXERCISES, 1902.
High Schools.

The graduation exercises of the High Schools occurred on Tuesday evening, June 24, at the First Methodist Episcopal Church, in the presence of a large audience of parents and friends.

A brief address was made by His Honor, Mayor Edward Glines, the formal address to graduates being given by the Hon. Nathan C. Schaeffer, of Harrisburg, Penn.

At the close of the address, the chairman of the School Committee, S. Newton Cutler, presented diplomas to the 164 members of the graduating classes.

The graduation exercises were followed by a reception to the graduates and their parents, given by the School Board, at which about 500 were present.

ORDER OF EXERCISES.

- | | | |
|------------------------------|--|-------------------------|
| Overture. | "Merry Wives of Windsor."
Hadley's Orchestra. | Nicolai |
| 1. Singing. | | |
| | *Chorus, "Come, Gentle Spring" (Seasons). | Haydn |
| 2. Prayer. | Rev. Richard G. Woodbridge. | |
| 3. Address. | His Honor, Mayor Edward Glines. | |
| 4. Singing. | Soli and Chorus, "O Sing to God." | Gounod |
| 5. Address to Graduates. | Hon. Nathan C. Schaeffer,
Superintendent of Public Instruction for State of Pennsylvania. | |
| 6. Singing. | a. Four-part Song, "Easter Hymn."
b. Trio, "Barcarola" (Girls' Voices). | H. K. Hadley
Campana |
| 7. Presentation of Diplomas. | S. Newton Cutler, Chairman of School Board. | |
| 8. Singing. | Kipling's "Recessional."
(Orchestration by S. Henry Hadley.) | Schnecker |

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

LATIN HIGH SCHOOL GRADUATES.

Lillian Henrietta Baldwin.	Mary Elizabeth Grimes.
Helen Almira Barker.	Estella Waters Grove.
Mary Elizabeth Batchelder.	Carolyn Reta Holt.
Alice Burt Berry.	Cora Louise Hull.
Florence Alice Burt.	Ethelyn Louise Jones.
Julia Theresa Connor.	Blanche Isabelle Jouett.
Marion Daniels.	Mildred Fiske Lincoln.
Nellie Gertrude Dearborn.	Gertrude Keene Lord.
May Berneice Garland.	Esther Winnifred Merrill.
Grace Barnes Gilman.	Sara Edith Moses.
Gertrude May Grant.	Edith Florence Mulliken.

Louisa Mabelle Norton.
 Laila Campbell Nye.
 Harriet Amanda Osborne.
 Blanche Lowell Paine.
 Octavia May Perkins.
 Alice Cobleigh Rand.
 Ruth Richards.
 Helen Louise Russell.
 Louise Melbourne Saunders.
 Helen May Starkey.
 Ethel Powis Sturtevant.
 Katharine Ward.
 Harriet Lottie Yelland.
 Harold Aaron Butters.
 Laurence Cain.
 Frank Ellis Currier.
 Chester Otto Fleischner.

Herbert Edmund Fleischner.
 Edward Sanborn French.
 James Joseph Hepburn, Jr.
 William Leaper Mercer, Jr.
 Carle Jewett Merrill.
 John Robert Nichols.
 Arthur Leonard O'Leary.
 Clarence Divoll Proctor.
 George Waldo Proctor.
 Stanley Wellington Roberts.
 Alfred James Saunders.
 Charles Francis Shepard.
 Joseph Marion Story.
 Everett Goldsmith Wentworth.
 Frank Charles Wheeler.
 James Goddard Whiting.
 Arthur Dudley Whitman.

ENGLISH HIGH SCHOOL GRADUATES.

Cora Adams.
 Edith Pearl Austin.
 Hattie May Baker.
 Florence Lillian Bemis.
 Elin Ottilia Bengtson.
 Florence Lillian Black.
 Jennie May Boynton.
 Emily Ruth Burke.
 Ethel Gertrude Cambridge.
 Ethelyn Eastman Carter.
 Janet Caroline Christie.
 Alice Marie Commins.
 Annie Maria Coveny.
 Mabel Gertrude Craig.
 Elizabeth Childs Crocker.
 Elizabeth Givens Crooks.
 Isabel Stafford Daggett.
 Ellen Julia Delay.
 Martha Sylvester Derfus.
 Ella Louise Donahue.
 Mabelle Malinda Durell.
 Hannah Mosher Everett.
 Mary Prescott Felch.
 Julia May Flaherty.
 Dorothy Margaret Franke.
 Julia Ann Frazier.
 Helen Estella Frye.
 Iva Howard Grant.
 Mary Sarah Haggerty.
 Blanche Nathalie Hall.
 Gertrude Maria Hallett.
 Aline Louise Hanscom.
 Ruby Lillian Harrison.
 Laura Hughes.
 Charlotte B. Joscelyn.
 Ida May Kane.
 Grace Ethelind Lamont.
 Elizabeth Blanche Landers.
 Marguerite Lawrence.
 Clara Kenrick Linnell.
 Natalie Louise Loth.
 Eleanor Gertrude Luscomb.

Gertrude Frances McCarthy.
 Henrietta McConnell.
 Isabelle Gertrude McFadden.
 Mildred Alethea Merrill.
 Edith Belle Miller.
 Ethel Beatrice Morris.
 Jennie Clare Moulton.
 Persis Chapin Olney.
 Nellie Augusta Pigott.
 Mabelle Florence Pote.
 Ida Louise Rand.
 Lotta Lucy Russell.
 Eva Martha Sanborn.
 Josephine C. Shea.
 Maude Burbank Simes.
 Laura Mabel Smith.
 Mary Louise Smith.
 Minnie Clyde Stentiford.
 Octavia Annette Stewart.
 Ida Mildred Stodder.
 Adelaide Bertha Tomfohrde.
 Mollie Bond Wellner.
 Ruby Gertrude White.
 Lena Helen Whitney.
 Grace Marston Wing.
 Georgiana Sarah Wright.
 Mabel Bradford Wyman.
 Chester Warren Butterworth.
 Ralph Donald Cleverley.
 Royal Bailey Farnum.
 Clifford George Foskett.
 Frank Martin Gracey.
 Gorham Waller Harris.
 Percival Jerauld Holmes.
 Willis Austin Hubbard.
 Albert Edward Hughes.
 Guy Horton Hunt.
 Harold Blair Lamont.
 Roy Stuart Lanphear.
 Henry Delano Loring.
 Leon John Marsh.
 George Elder Mason.

Pierce Powers McGann.	Ray Elmer Shedd.
Berkeley Wolff Mossman.	Ferdinand Brooks Smith.
Henry Stuart Nolan.	George Smith, Jr.
Thomas Henry O'Connell.	Chester Dean Southworth.
Leslie B. Phillips.	Everett Garfield Stone.
Reuben Parker Prichard.	Percy Harold Underhill.
Fisher Keeler Rice.	Joseph Fremont Wilber.
Clifford Tower Richardson.	Paul Revere Wild.
Charles Alonzo Russ.	Albert Baker Wing.
Milbury Henry Ryder.	Eliot Wingsky.
Walter Butler Sanborn.	Herbert Watson Woodward.
John Henry Savage.	Edwin Arthur Wright.

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, Wednesday evening, June 25, and Thursday evening, June 26, were set apart for the purpose.

Instead of an address to graduates by some prominent gentleman, the graduates entertained the audience by declamations or readings, at least one representative from each school taking part.

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

Order of Exercises June 25.

- S. Newton Cutler, Chairman of the School Board, Presiding.
- | | | |
|---|--|---------------|
| Overture. "Orpheus." | Hadley's Orchestra. | Offenbach |
| 1. Prayer. | Rev. Philip L. Frick. | |
| 2. *Singing. | Chorus, "He Watching Over Israel" (Elijah). | Mendelssohn |
| 3. Composition. | (Reproduction), "Death of the Little Dauphin." | Maurice Winn. |
| 4. Recitation. | "The Schoolmaster's Guests." | Will Carleton |
| | William F. Dolan. | |
| 5. Singing. | Two-part Song (Girls' Voices), "Merry June" (Vocal Polka). | Vincent |
| | (Orchestration by S. Henry Hadley.) | |
| 6. Address to Graduates and Presentation of Diplomas to Prescott and Knapp Graduates. | Dana W. Bennett, Chairman District Committee, Ward 3. | |
| 7. Singing. | Four-part Song, "Night Song." | Rheinberger |
| 8. Reading. | "Edinburgh After Flodden." | Aytoun |
| | Martha H. Mackenzie. | |
| 9. Recitation. | "The Death Disk." | Mark Twain |
| | Vera E. Drew. | |
| 10. Presentation of Diplomas to Edgerly and Glines Graduates. | Dana W. Bennett. | |

11. Singing.
Grand March from "Tannhauser," "Union and Liberty."
Wagner
12. Recitation.
"The Rising in '76."
Ednah A. Whitney. T. Buchanan Read
13. Recitation.
"Making an Orator."
Ina G. Harding. Stephen Crane
14. Presentation of Diplomas to Pope and Bell Graduates.
Dana W. Bennett.
15. Flag Salute.
Graduates.
16. Singing.
Soldiers' Chorus from "Faust."
Gounod
- Each School is represented on the Programme by one of its Graduates.

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

Names of Graduates.

PRESCOTT SCHOOL.

Edna M. Austin.	Ethel E. Kimpton.
Ethel G. Bartlett.	Margaret T. Lawler.
Bertha M. Blenkhorn.	Albert E. Lewis.
Harry L. Bowen.	Ruth H. Littlefield.
Catherine Christian.	Herbert L. Loveless.
Richard J. Clark.	Martha H. W. Mackenzie.
Lillian L. Clinkard.	Albert F. McLean.
Eva L. Conley.	Henry W. Munroe.
Adele E. Crane.	Arthur J. Pettengill.
Lorenzo B. Cresto.	John H. Phillips.
Emma L. Farrel.	Bergen Reynolds.
James A. Flaherty.	Royal S. Roberts.
Carrie M. Fletcher.	Zetta M. Scott.
Edwin A. Freeman.	Lincoln P. Sibley.
Frank H. Holland.	George D. Smith.
Elmer C. Houdlette.	Lena S. Smith
Bertha C. Hutchins.	Lewis Stacey, Jr.
Hugh J. Hughes.	Grace E. Stearns.
Ethel M. Jordan.	Marietta E. Walker.
Amy E. Joy.	Ethel Whitehouse.
Walter G. Kidder.	

KNAPP SCHOOL.

Renah J. Atwood.	Edward H. Jones.
Albert J. Beach.	Annie L. Kiley.
Sarah J. Berglind.	Mary E. Koschwitz.
Magie B. Blake.	William J. Lyons.
Louise H. Craig.	Helen F. Manning.
Margaret L. DeLory.	Eva M. Marchant.
William F. Dolan.	Joseph F. McCabe.
Francis P. Fallon.	Eleanor M. McGuire.
M. Louise Gardham.	Mary E. McIntosh.
L. Philip Garland.	Esther M. Mulliken.
David McF. Gibson.	Sarah D. Roberts.
Walter W. Graustein.	Alice Schuerch.
Edna M. Guild.	Ethelind Schuerch.
Ethel B. Hannam.	John J. Tobin.
Louis J. Harrington.	Georgia C. Wellner.
George Heiderman.	

POPE SCHOOL.

Florence E. Aldridge.	John Francis Manning, Jr.
Eric A. Berglof.	Louise E. Marden.
Frederic C. Bowen.	George F. McClennen.
Helena Theresa Carroll.	Roberta B. McDonald.
Sadie Marie Clerc.	Margaret G. O'Connell.
Lillian F. Dacey.	Irene A. Osborne.
Anson E. Eaton.	Margaret G. Quinn.
Sarah M. Egan.	George B. Sargent.
Mabel E. Fitch.	Charles E. Sherman.
Edith L. Giles.	Mary E. Shoulder.
Gay Gleason.	Maude Luella Tinkham.
William Joseph Halloran.	Henry I. Walker.
Fanny Hopkins.	William John Walsh.
James J. Keaney.	William B. Wells.
M. Catherine Kelly.	Ednah A. Whitney.
Frances Komenda.	Elmar H. Whitney.
George A. List.	Anthony J. Zeigel.
Henry L. Lovering.	

BELL SCHOOL.

Harry A. Atwater.	John R. Lakin.
Lester D. Austin.	Pearl F. LaMoure.
Julia A. Breen.	Maud L. Landers.
William B. Broadhead.	Harold Lewis.
A. Winifred Bruce.	A. Louise Leyland.
Christina E. Buchanan.	Elizabeth MacKenzie.
Margaret E. Buchanan.	Edward E. Mansfield.
George W. Butters.	Agnes G. McKennett.
Chester S. Campbell.	Mabelle G. Moody.
Rebecca E. Clark.	Hattie Morrison.
Lottie B. Cox.	William H. Musgrave.
Chester E. Cuddy.	C. Lesley Nichols.
Lesley O. Cummings.	Joseph O'Donnell.
J. Alfred L. De Noyer.	Floyd J. Pitcher.
Ira Doughty.	Walter C. Rice.
Stella B. P. Ebrecht.	Beatrice Ryder.
Mary A. Fitzgerald.	Carl R. Safford.
Anna L. Glover.	Mabel C. Souther.
Ina G. Harding.	Nellie A. Sullivan.
Margaret E. Hegan.	Annie L. Taylor.
Herbert J. Henderson.	Edmund J. Twohig.
Florence L. Hines.	Millie J. Willis.
Cheston M. Hutchins.	Annie Woodbridge.
Frances C. Jones.	Margaret R. Woodman.

EDGERLY SCHOOL.

Florence S. Adams.	Joseph I. DeAvellar.
Ruby G. Allen.	Annie W. Devlin.
Charlotte C. Austin.	Lewis E. Drake.
Marion E. Bemis.	Charles A. Edson.
Lena M. Bridges.	Gladys E. Edwards.
Edward T. Coleman.	Clifford S. Foster.
Mabel Conover.	G. Henry Gove.
Mary G. Cooper.	Edward L. Grant.
Irving S. Cooper.	Stanley C. Hickok.
Edgar L. Curran.	Henry B. Higgins.
Harold W. Curtis.	Bertha B. Hoyt.
Ruth E. Darling.	Seward T. Jarvis.

Charles H. Keleher.
 Faun G. Kelton.
 Ethel M. Lowell.
 H. Parker Lowell.
 M. Leah Mayberry.
 Mary T. McCarthy.
 Hazel L. Miller.
 Marion L. Morrison.
 Mary A. O'Brien.
 Howard P. Osgood.
 May W. Patterson.

Edna M. Perry.
 Arthur N. Pratt.
 Robert S. Ralston.
 Nellie F. Ray.
 Nellie M. Skinner.
 Ethel F. Stackpole.
 Herbert A. Timmons.
 Charles S. Warren.
 Florence R. West.
 Calla M. Wilson.
 Maurice Winn.

GLINES SCHOOL.

Nelson T. Ash.
 Carlos A. Bailey.
 Francis T. Bailey.
 Crosby F. Baker.
 Edith D. Barber.
 Jessie W. Barnes.
 Sumner A. Barrett.
 Hubert A. Coan.
 Jennie F. Copland.
 Charles H. Center.
 Emma J. Dexter.
 A. Louise Dickson.
 Vera E. Drew.
 Grace A. Driscoll.
 Fred R. Elliott.
 Catherine E. Gallagher.
 Stella M. Hadley.
 Nettie F. Hobbs.
 Arthur Keach.
 Elizabeth F. Leahy.

Alfred F. McKinley.
 Jennie M. McWilliams.
 Albert E. Morrill.
 John C. Nelson.
 Daniel I. Nickerson.
 Alice E. Nickerson.
 Dora E. Nourse.
 Marie T. Peterson.
 Neil B. Philbrick.
 Eleanor Richardson.
 George R. Rideout.
 Sarah L. Rideout.
 Edwin W. Sherman.
 Adalina Smith.
 Harold E. Spofford.
 Ernest A. Wheeler.
 Frances C. Witham.
 Ella G. Witham.
 Roy O. Young.
 Marion A. Youngjohn.

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

Order of Exercises June 26.

- S. Newton Cutler, Chairman of the School Board, Presiding.
- Overture. "Martha." Flotow
Hadley's Orchestra.
1. Prayer. Rev. W. Sherman Thompson.
 2. *Singing.
Chorus, "He Watching Over Israel" (Elijah). Mendelssohn
 3. Recitation.
"Poetic Medley." Elsie S. Greene.
 4. Declamation.
"A Tribute to Massachusetts." H. C. Lodge
Augustus B. Tripp.
 5. Singing.
Two-part Song (Girls' Voices), "Merry June" (Vocal Vincent
Polka).
(Orchestration by S. Henry Hadley.)
 6. Address to Graduates and Presentation of Diplomas to Highland Graduates.
Frederick A. P. Fiske, Member of the School Board, Ward 6.
 7. Singing.
Four-part Song, "Night Song." Rheinberger

8. Swedish Gymnastics. Under direction of Albert L. Newell.
Misses Florence R. Barker, Enid J. Cutter, Sadie V. Flanders, Alta M. Harris, Wynnifred Lawrence, Georgine McConnell, Marie McMillin, Nina Sanders. Masters Erle A. Bishop, Carl H. Burns, Freeman Cushing, Russell E. Freeman, Robert G. Hopkins, Richard A. Keyes, Raymond W. Lillie, James Murray.
9. Recitation. "The Chariot Race" (Ben Hur). Wallace
Fannie D. Thurston.
10. Presentation of Diplomas to Morse and Carr Graduates.
Frederick A. P. Fiske.
11. Singing.
Grand March from "Tannhauser," "Union and Liberty." Wagner
12. Recitation.
"The Fireman's Prayer." Russell H. Conwell
Mae V. Lebert.
13. Recitation.
"How Dot Heard 'The Messiah'." Hezekiah Butterworth
Irma Rita Christopher.
14. Song.
"The Holy City." Adams
(With Orchestral Accompaniment by S. Henry Hadley.)
William R. Anderton.
15. Presentation of Diplomas to Forster and Hodgkins Graduates.
Frederick A. P. Fiske.
16. Flag Salute.
Graduates.
17. Singing.
Soldiers' Chorus from "Faust." Gounod
Each School is represented on the Programme by one or more of its Graduates.

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

Names of Graduates.

FORSTER SCHOOL.

Kenneth P. Armstrong.	Russell E. Freeman.
Florence A. Baldrige.	Lucy E. French.
Florence R. Barker.	Alice M. Fuller.
Erle A. Bishop.	Marie B. Gangwisch.
Katie Brown.	Katherine V. Gannon.
Carl H. Burns.	Gertrude V. Grimes.
Ethel E. Burns.	Alta M. Harris.
Edward M. Buttimer.	Robert G. Hopkins.
Stanley C. Converse.	Hazel P. Hyde.
Grace E. Cousens.	Walter E. Kelley.
Rodney S. Crierie.	Richard E. Keyes.
S. Truman Cushing.	James L. Kilmartin.
Enid J. Cutter.	Winifred R. Kimball.
May F. Dutton.	Mary B. King.
Will Elliott.	Ada C. LaDuke.
Ralph H. Elvedt.	S. Wynnifred Lawrence.
Maria M. Estabrook.	Mae V. Lebert.
Richard O. Fernandez.	Raymond W. Lillie.
Sadie V. Flanders.	Fred A. Lloyd.
Genevieve L. Fosdick.	Lillian M. Lomasney.

Robert L. Macomber.
 Georgine McConnell.
 Frances B. McCrossan.
 Katherine A. McKenna.
 John J. McLaughlin.
 O. Marie McMillin.
 Ellen L. McNally.
 James J. Mooney.
 James A. Murray.
 Albert L. Newell.
 Eleanor C. Preble.

William H. Rogan.
 Julia C. Ronan.
 Herbert S. Sanborn.
 Nina F. Sanders.
 Edith L. Simonds.
 Nellie R. Smith.
 Helen E. Spinney.
 J. Ralph Wedgwood.
 Ernest R. Whitcomb.
 Arthur M. Wilkins.

CARR SCHOOL.

Florence H. Adams.
 Alice V. Ash.
 Bertha Belle Baird.
 James J. Baron.
 Charles Wilder Bell.
 Ida Bianconi.
 Fred Wilson Blaisdell.
 Robert Archer Bowlby.
 Irving F. Carpenter.
 Arthur Clifford Coker.
 Arthur Russell Corwin.
 Lillian A. Corwin.
 John Murray Cox
 Julia Mary Delay.
 Fred Gordon Duncan.
 Gabriel Farrell, Jr.
 Elsie S. Greene.
 John Gill Hall.
 Frederick James Halnan.
 Catherine G. Harper.
 Ruth Whitten Hills.
 Elizabeth Henderson.
 Martha J. Henderson.
 Frank Elmer Holden.
 Frances Holzwasser.
 Elmer Barker Jones.

Mary Elizabeth Keating.
 John Maurice Lamb.
 Margaret W. Marshall.
 Julia Tracy McGarr.
 Florence L. McLean.
 Hazel Estelle McLean.
 Lillian Beatrice McLean.
 Ethel Louise Morehouse.
 William Bryan Moses.
 James A. O'Brien.
 Edward A. Plant.
 Mary Gertrude Purcell.
 Royal Edward Pushee.
 Mark J. Rice.
 Florence Josephine Risdon.
 Henry R. Ryan.
 Charles F. Sharry.
 C. Grace Sherwood.
 A. Clotilda St. Coeur.
 Maud Lillian Symonds.
 Matilda J. Thompson.
 Margie Louise Timmins.
 Clorinda Annie Valente.
 Agathon Widtfeldt.
 George H. Winfield.

MORSE SCHOOL.

John M. Benting.
 Edith F. Berry.
 William H. Berry.
 Ethel F. Binney.
 Marguerite I. Brine.
 Susie L. Brine.
 Joseph L. Brockhouse.
 Irma R. Christopher.
 Robert A. Craft.
 Ethel L. Dawes.
 Bessie F. Dence.
 Du Val Dunne.
 Maria C. Foley.
 William T. Goode.
 Florence L. Grow.
 Marion E. Haliburton.
 Eugenie M. Henderson.
 Helen S. Hopkins.
 Everett W. Ireland.

Grace B. Kendall.
 Fred A. MacDonald.
 Joseph A. Mahoney.
 Chester W. McNeil.
 Frances E. Morang.
 Katie J. Morrison.
 Marion Nolan.
 Florence G. Nye.
 Ernest O'Connor.
 Emmy M. Ohlsson.
 Arnold T. Peterson.
 Emma J. Prouty.
 Alice M. Rice.
 Charles H. Smith.
 Ethel M. Thompson.
 Alice B. Tower.
 Celia L. Towne.
 Bertha Trustenitzer.
 Helen S. Tuttle.

Lillian M. Waddell.
Joseph W. Wass.
Roscoe M. Waterhouse.
Hazel J. West.

Victor R. Weston.
Ruth E. Wood.
Marguerite Woodbury.

HIGHLAND SCHOOL.

William R. Anderton.
F. Nelson Blaser.
Henry S. Boehman.
Minot J. Brown.
Sharlie M. Chandler.
F. Marion Chase.
Bessie G. Connor.
H. Mildred Cowan.
Clarence H. Cummings.
Robert Cronan.
Annie M. Currie.
Myrtie M. Davenport.
Mary E. Derby.
Julia S. Dimock.
Jennie L. Dogherty.
Laurel M. Dupont.
Arthur G. Emerson.
Myron F. Ellis.
Maud L. Fifield.
Malcolm G. Fillmore.
Winfred L. Foster.
Alice S. Grant.
Lester L. Graves.
Rena A. Griffin.
Albert L. Hart.
Florence C. Harvey.
Lillian M. Harvey.
Frederica M. Haskell.
Mabel F. Hayward.
Alice Hunnewell.
Percy L. Jones.
Leo L. LeCain.
Clarence B. Locke.
Lillian E. Lovejoy.

A. Dugalda MacKinnon.
Albertena Marden.
Ernest B. McClure.
George E. Merrifield.
Carl W. Messer.
William Mitchell.
Gladys W. Morash.
Iris D. Morgan.
Harold E. Mulock.
Guy W. North.
Robert F. Pillsbury.
James Prentice.
Charles S. Rice.
Harriet May Richmond.
Forrest P. Rundell.
Frances E. Russell.
Sidney L. Savage.
Sophia Sefranka.
Jennie L. Segee.
Albert F. Stepek.
Bertha Stephens.
Alice M. Sullivan.
Frederick R. Sullivan.
Edna M. Swain.
Henry H. Thornton, Jr.
Fannie D. Thurston.
Florence E. Vello.
Harold K. Vinton.
Herbert D. Warren.
Frances E. Welch.
Thomas A. Welch.
Mildred E. Wright.
Mildred P. Young.

HODGKINS SCHOOL.

Florence M. Armstrong.
Chester L. Babcock.
G. William Bailey.
Charles E. Bardwell.
Clarence E. Briggs.
John L. Davis.
Benjamin L. Dolbear.
Juliana C. Donovan.
Roscoe W. Frost.
Freddell O. Hadley.
Frank S. Hatch.
Rebecca B. Kimball.
Robert M. Knight.
John H. Leavitt.
Charles A. Merrill.
Mildred F. Merrill.

Charlotte A. Norton.
Charles A. Rice.
Lowell F. Richardson.
William H. Ring.
Richard J. Savage.
Katie E. Schick.
I. Robina Smith.
Emily S. Taapken.
Bessie L. Taylor.
Augustus B. Tripp.
Henry A. Van Wart.
Marion R. Van Wart.
William H. Viano.
Maud E. West.
Maude White.
Harriet E. Wilson.

TABLE 28.—ORGANIZATION OF SCHOOL BOARD, 1903.

School Committee.		
S. NEWTON CUTLER,	. . . . .	Chairman
GEORGE A. MILES,	. . . . .	Vice-Chairman
MEMBERS.		
WARD ONE.		
S. NEWTON CUTLER,	28 Flint street.	Term expires January. 1904
GEORGE S. POOLE,	46 Mt. Vernon street.	1905
WARD TWO.		
JOHN H. O'NEIL,	44 Oak street.	1904
EDWARD J. FLYNN,	273 Washington street.	1905
WARD THREE.		
GEORGE E. WHITAKER,	75 Walnut street.	1904
DANA W. BENNETT,	41 Putnam street.	1905
WARD FOUR.		
GEORGE W. W. WHITING,	282 Broadway.	1904
WILLIAM P. JONES,	13-A Maple avenue.	1905
WARD FIVE.		
QUINCY E. DICKERMAN,	85 Central street.	1904
J. WALTER SANBORN,	183 Central street.	1905
WARD SIX.		
FREDERICK A. P. FISKE,	44 Cherry street.	1904
CHARLES H. HOOD,	2 Benton road.	1905
WARD SEVEN.		
GEORGE A. MILES,	249 Elm street.	1904
HENRIETTA B. H. ATTWOOD,	18 Herbert street.	1905

The Committee holds its regular meetings on the last Monday evening of each month, except July, August, and December, at 8.15 o'clock. The last meeting of the year is held on the Friday next preceding the first Monday of January.

Superintendent of Schools,

GORDON A. SOUTHWORTH.

Office: City Hall Annex, Highland avenue.

Residence: 40 Greenville street.

The Superintendent's office will be open from 8 to 12 and from 1.30 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.

Cora S. Fitch, Superintendent's clerk, 273 Medford street.

TABLE 28.—Organization of School Board, 1903.—Concluded.**Standing Committees.**

High Schools.—Whiting, Cutler, Flynn, Bennett, Sanborn, Fiske, Miles.
LATIN, ENGLISH.

District (or Ward) I.—Cutler, Poole.
PRESCOTT, HANSCOM, DAVIS, BENNETT.

District (or Ward) II.—O'Neil, Flynn.
KNAPP, PERRY, BAXTER.

District (or Ward) III.—Whitaker, Bennett.
POPE, BELL, CUMMINGS.

District (or Ward) IV.—Whiting, Jones.
EDGERLY, GLINES.

District (or Ward) V.—Dickerman, Sanborn.
FORSTER, BINGHAM.

District (or Ward) VI.—Fiske, Hood.
CARR, MORSE, DURELL, BURNS, BROWN.

District (or Ward) VII.—Miles, Mrs. Attwood.
HIGHLAND, HODGKINS, LINCOLN.

Additional School Accommodations.—Miles, Poole, O'Neil, Bennett,
Jones, Dickerman, Hood.

Evening Schools.—Dickerman, Bennett, Fiske.

Finance.—Bennett, Sanborn, Hood.

Industrial Education.—O'Neil, Whitaker, Mrs. Attwood.

Music.—Whitaker, Poole, Mrs. Attwood.

Private Schools.—Hood, Flynn, Whiting.

Repairs of School Buildings.—Jones, O'Neil, Hood.

Rules and Regulations.—Cutler, O'Neil, Jones.

Salaries.—Poole, Whiting, Sanborn.

Supplies.—Sanborn, Hood, Miles.

Text-books and Courses of Study.—Fiske, Cutler, Flynn, Whitaker,
Jones, Dickerman, Mrs. Attwood.

Vacation Schools.—Mrs. Attwood, O'Neil, Dickerman.

Note.—The member first named is chairman.

TABLE 29.—TEACHERS IN SERVICE JANUARY, 1903.

NAME.	Residence.	Salary.	Beginning of Service.
LATIN HIGH SCHOOL.			
GEORGE L. BAXTER, Head Master,	27 Warren ave.	\$3,000	1867
Frank M. Hawes, Master,	257 School st.	2,000	1879
Charles T. Murray, Sub-Master,	28 Franklin st.	1,700	1887
George M. Hosmer,	13 Arlington st.	850	1901
Sarah W. Fox,	99 Irving st., Cambridge.	1,200	1868
Frances W. Kaan,	133 Central st.	1,050	1882
Eudora Morey,	195 Huntington ave., Boston.	900	1882
Mrs. Lena Gilbert,	51 Elmwood st.	900	1893
Florence H. Paul,	63 Prescott st.	900	1894
Grace T. Pratt,	62 Waverly st., Roxbury.	900	1901
A. Florence Moulton, Librarian,	54 Putnam st.	650	1900
ENGLISH HIGH SCHOOL.			
CHARLES T. C. WHITCOMB, Head Master,	44 Walnut st.	\$3,000	1895
John A. Avery, Master,	22 Dartmouth st.	2,000	1895
Everett W. Tuttle, Sub-Master,	431 Mass. ave., Boston.	1,700	1895
Harry L. Jones, “	157 Highland ave.	1,550	1896
Howard W. Poor, “	27 Mt. Vernon st., Reading.	1,550	1896
George W. Earle, “	79 Boston st.	1,600	1900
Jonathan Leonard, “	62 Highland ave.	1,300	1901
Harry F. Sears, “	44 Orris st., Melrose Highlands.	1,400	1901
Charles F. Abbott, “	45 Greenville st.	1,400	1901
John M. Jaynes,	34 Putnam st.	800	1902
A. Marion Merrill,	62 Highland ave.	1,200	1895
A. Laura Batt,	62 Highland ave.	900	1895
Esther Bailey,	1172 Massachusetts ave., Arlington.	900	1894
Lucy Ingram,	40 Vinal ave.	900	1895
Carrie A. Marsh,	67 Walnut st.	900	1894
Eda L. Nichols,	66 Putnam st.	1,000	1895
M. Helen Teele,	11 Jason st., Arlington.	900	1895
Clara A. Johnson,	177 Central st.	900	1897
Mary F. Carrick,	271 Medford st.	900	1898
Etta A. Seaver,	40 Vinal ave.	900	1899
Bertha P. Marvel,	13 Greenville st.	900	1899
Hila Helen Small,	232 Highland ave.	900	1899
Harriet E. Tuell,	13 Greenville st.	900	1899
Helen L. Follansbee,	20 Montrose st.	1,000	1900
Elizabeth Campbell,	9 Hamlet st.	900	1902
Grace E. Lord,	133 Massachusetts ave., Cambridge.	750	1902
Bertha P. Chase,	6 Highland ave.	900	1901
Bessie D. Davis,	13 Mt. Vernon st.	900	1900
Helen E. Harding,	18 Russell st., No. Cambridge.	900	1901
Ella D. Gray,	147 Walnut st.	850	1901
Bessie L. Forbes,	92 Orchard st.	650	1899
Susanna B. Harrington,	47 Cedar st.	650	1900
Bertha A. Raymond,	14 Wesley pk.	600	1900
Amy L. Cole, Sec'y and Lib.,	13 Lincoln st.	600	1901

TABLE 29.—Teachers in Service January, 1903.—Continued.

Grade.	NAME.	Residence.	Salary.	Beginning of Service.
PRESCOTT.				
9	SAMUEL A. JOHNSON, Master,	91 Perkins st.	\$1,900	1893
9	Anna M. Bates,	102 Bridge st., Salem.	725	1874
8	Elizabeth M. Warren,	Hotel Hamlet.	650	1897
7	Emma M. Cate,	Winchester	650	1882
7	Abbie A. Anderson,	10 Pearl st.	650	1878
6	Amelia I. Sears,	Melrose Highlands.	650	1873
6	Susie M. Hosmer,	Hotel Hamlet.	650	1899
5	Catherine T. Brown,	61 Myrtle st.	650	1868
4	Clara Taylor,	36 Flint st.	650	1871
3, 4	Elizabeth L. Marvin,	365 Massachusetts ave., Boston.	650	1898
3	Louise E. Pratt,	49 Myrtle st.	650	1889
2	Martha L. Hale,	144 Highland ave.	650	1898
1	Minerva L. Mills,	61 Hall ave.	650	1897
1	Mattie L. Littlefield,	65 Glen st.	650	1897
SANFORD HANSCOM.				
5	LINA F. BATES, Principal,	52 Highland ave.	\$775	1897
4	Gertrude D. Goodale.	101 Pearl st.	650	1902
3	Florence A. Colgate,	92 Glen st.	650	1901
2	Helen G. Frye,	43 Sargent ave.	650	1898
1	Lina E. Dill,	34 Chauncey ave.	650	1897
K'g'n	Caroline Boardman,	74 Walnut st.	600	1897
Ass't	Etta M. Cushing,	3 Thurston st.	425	1896
DAVIS.				
4	MARY A. HOLT, Principal,	72 Boston st.	\$725	1899
3	Phœbe M. Pigeon,	31 Warren ave.	650	1897
2	Carrie T. Lincoln,	41-B Franklin st.	650	1893
1	P. A. Merritt,	96 Oxford st.	650	1885
CLARK BENNETT.				
4	ANNIE E. MCCARTY, Principal.	18 Quincy st.	\$1,000	1880
Ass't	Kate B. Gifford,	30 Berkeley st.	650	1902
4	Frances A. Wilder,	67 Columbus ave.	650	1874
3	Agnes S. Campbell,	24 Warren ave.	650	1899
2	Katharine C. Connolly,	18 Quincy st.	650	1897
2	Kate L. Wheeler,	39 Chester st.	650	1897
1	Isadore E. Taylor,	36 Flint st.	650	1883
1	Bertha M. Martindale,	96 Glen st.	650	1902
1	Miriam Cavanagh,	10 Grand View ave.	650	1893
1	Carrie L. Bliss.	4 Park ave.	650	1870
K'g'n	Caroline G. Baker,	40 Benton road.	600	1895
Ass't	Ida F. Whitney,	68 Gilman st.	425	1899
GEORGE L. BAXTER.				
6	HELEN TINCKER, Principal,	63 Columbus ave.	\$775	1872
5, 4	Catherine E. Sweeney,	633 Broadway.	650	1901
3	Elizabeth E. Carr,	Danvers.	650	1902
2	Agatha G. F. Commins,	24 Hanson st.	500	1901
1	Charlotte Holmes,	10 Putnam st.	650	1899
K'g'n	H. Gertrude Edgerly,	220 Medford st.	600	1897
Ass't	Ethelyn M. Burton,	2 Homer sq.	425	1900

TABLE 29.—Teachers in Service January, 1903.—Continued.

Grade.	NAME.	Residence.	Salary.	Beginning of Service.
	OREN S. KNAPP.			
9	JOHN S. EMERSON, Master,	95 Summer st.	\$1,900	1894
9	Abby C. Hunt,	14 Aldersey st.	725	1873
8	Maude M. Mixer,	37 Walnut st.	650	1902
8	Mary E. Stearns,	40 School st.	650	1889
7	C. B. Parkhurst,	22 Highland ave.	650	1899
7	Mattie J. Connolly,	21 Cutter st.	650	1901
6	Clara B. Sackett,	40 School st.	650	1891
6	Edith Hersey,	151 Washington ave., Chelsea.	650	1899
5	Annie E. Robinson,	20 Webster ave.	650	1876
4	Abbie A. Gurney,	28 Bonner ave.	650	1888
3	L. Gertrude Allen,	230 Washington st.	650	1884
2	Minnie Alice Perry,	16 Pleasant ave.	650	1893
1	Lucia Alger,	28 Bonner ave.	650	1889
	ALBION A. PERRY.			
5	Mrs. M. B. McKusick,	267 Broadway, Arlington.	\$775	1897
4	Irene Vincent,	95-B Prospect st.	500	1903
3	Mary G. Blackwell,	48 Lowell st.	600	1901
2	Helen M. Cogan,	24 Stone ave.	400	1902
2	Grace B. Tibbetts,	226 Pleasant st., Arlington.	650	1890
1	Erminnie A. French,	10 Floyd st., Waltham.	650	1898
	CHARLES G. POPE.			
9	GEORGE M. WADSWORTH, Master,	23 Munroe st.	\$1,900	1891
9	Florence A. Chaney,	Boston.	725	1892
8	Harriet M. Clark,	10 Vernon st., West Medford.	650	1893
7	Alice I. Norcross,	26 Russell ave., Watertown.	650	1885
7	Mildred A. Peck,	9 Prospect Hill ave.	650	1901
6	Blanche G. North,	8 High st.	650	1893
6	Minnie A. Blood,	10 Putnam st.	650	1897
5	Lizzie W. Parkhurst,	22 Highland ave.	650	1885
5	Susan G. Meldrum,	57 Boston st.	650	1896
4	Annie G. Sheridan,	84 Prospect st.	650	1886
3	Lillian C. Albee,	42 Walnut st.	650	1888
2	Florence E. Locke,	Needham.	650	1898
1	Ella M. Robinson,	18 Stickney ave.	650	1899
	LUTHER V. BELL.			
9	HARLAN P. KNIGHT, Master,	37 Stone ave.	\$1,900	1897
9	Alice L. Davis,	40 Vinal ave	725	1895
8	Nellie S. Dickey,	54 Putnam st.	650	1889
7	Ella N. Jones,	99 Summer st	650	1902
7	Grace E. Weeks,	23 Putnam st.	650	1899
6	Mabel T. Totman,	12 Sanborn ave.	650	1892
6	Maribelle Curtis,	23 Putnam st.	650	1895
5	Emma F. Schuch,	25 Tufts st.	650	1874
5	Elizabeth M. Collins,	7 Putnam st.	650	1901
4	Ella H. Bucknam,	10 Putnam st.	650	1897
3	Florence S. Hartshorn,	96 Glen st.	650	1900
2	Martha E. Daniels,	93 Concord ave.	650	1891
1	E. Laurette Schuch,	25 Tufts st.	650	1882

TABLE 29.—Teachers in Service January, 1903.—Continued.

Grade.	NAME.	Residence.	Salary.	Beginning of Service.
CUMMINGS.				
3	FANNIE L. GWYNNE, Principal,	65 School st.	\$725	1886
4	Ruth B. Stanley,	115 Cedar st., Malden.	650	1902
2	Angeline Cann,	Hotel Woodbridge.	650	1897
1	Elizabeth L. Hersey,	Franklin Square House, Boston.	650	1897
EDGERLY.				
9	CHARLES E. BRAINARD, Master,	82 Munroe st.	\$1,900	1889
9	Mary Corry,	144 Highland ave.	725	1902
8	Annie L. Dimpsey,	47 Washington st., Malden.	650	1891
7, 8	Mary E. Richardson,	224 Broadway.	650	1893
7	Mabel C. Mansfield,	224 Broadway.	650	1893
6	Isabelle M. Gray,	23 Webster st	650	1897
6	Maud J. Nickerson,	92 Myrtle st.	650	1902
5	Edith M. Snell,	4 Vine st., Melrose.	650	1900
5	Naomi E. Stevens,	92 Myrtle st.	650	1902
4	J. Louise Smith,	36 Hamilton ave., Lynn.	650	1896
3	Lillian Nealley,	109 Glen st.	650	1882
2	Alice W. Cunningham,	116 Pearl st.	650	1901
1	Martha M. Power,	37 Gleason st., West Medford.	650	1891
JACOB T. GLINES.				
9	MARY E. NORTHUP, Master,	181 Central st.	\$1,900	1878
9	Mary E. Stiles,	181 Central st.	725	1883
8	Nellie E. Briggs,	15 Evergreen ave.	650	1898
7	Mary H. Brownrigg,	15 Evergreen ave.	650	1900
6	Lila M. Marble,	72 Rush st.	650	1902
6	Zelpha L. Thayer,	64 Linden st., Reading.	650	1902
5	Ellen A. Boynton,	220 School st.	650	1891
5	M. Frances Guptill,	56-A Pinckney st.	650	1869
4	Margaret A. Orr,	148 Warren ave., Boston.	650	1891
4	Mary A. Goddard,	9 Winter Hill Circle.	650	1893
3, 2	Anna G. Welch,	324 Main st., Stoneham.	650	1897
3	Florence E. Baxter,	49 Hudson st.	650	1891
2	Flora B. Rice,	201 School st.	650	1895
1	Carrie Armitage,	57 Madison st.	650	1899
1	Belle J. Tiff,	201 School st.	650	1892
K'g'n	Mrs. Etta D. Ellsworth,	112 Newbury st., Boston	600	1897
Ass't	Elsie G. Ashton,	17 Bonner ave.	275	1902
FORSTER.				
9	FRED C. BALDWIN, Master,	63 Sycamore st.	\$1,900	1893
9	Mary E. Bunton,	34 Robinson st.	725	1894
9, 8	Irene S. Nightingale,	14 Court st., Arlington.	700	1895
8	Winifred S. Clark,	19 Montrose st.	650	1902
8	Jessie M. Lockwood,	44 Marshall st.	650	1900
7	Jane Batson,	43 Tennyson st.	650	1900
7	Rosabelle M. Franklin.	43 Newbern ave., Medford.	650	1902
7	Mary C. Strange,	Stoneham.	650	1899
7	A. Gertrude Deane,	14 Stickney ave.	650	1899
6	Elizabeth F. Clement,	29 Kidder ave	650	1884
6	Lucy K. Hatch,	72 Marshall st.	650	1892
6	Emma G. Blanchard	The Prescott, Everett.	650	1902
5	Mary I. Bradish,	55 Logan ave., Medford.	650	1899
4	Elizabeth S. Brown,	72 College ave.	650	1897
4	Maud L. Kent,	18 Maple ave.	650	1893
3	E. Mina Smith,	2 Pembroke st.	650	1896
3	Edith T. Crabtree,	112 Jenny Lind ave.	650	1900
2	Annie S. Gage,	32 Marshall st	650	1883
2	Mabel G. Delano.	108 Cross st.	650	1901
1	Grace Shorey,	23 Forster st.	650	1892
1	Cora J. Demond,	The Prescott, Everett.	650	1900

TABLE 29.—Teachers in Service January, 1903.—Continued.

Grade.	NAME.	Residence.	Salary.	Beginning of Service.
BINGHAM.				
5	HARRY F. HATHAWAY, Principal,	31 Vinal ave.	\$1,100	1890
Ass't	Carrie F. Hathaway,	31 Vinal ave.	400	
4	Elizabeth J. O'Neil,	505 Broadway.	650	1894
3	Harriet F. Ward,	57 Madison st.	650	1895
3	Mabel E. Perry,	187 Central st.	650	1896
2	Beatrice Kendall,	59 Rockland ave., Malden.	500	1900
2	Rose O'Loughlin,	Stoneham.	650	1896
1	Nellie R. Bray,	11 Bradley st.	650	1898
1	Mabel E. Mansir,	77 Albion st.	650	1891
Ass't	Clara L. Griffiths,	39 Ames st.	275	1902
MORSE.				
9	MINA J. WENDELL, Master,	211-A Summer st.	\$1,900	1882
9	Alice E. Jones,	53 Laurel st.	725	1897
8	P. S. Downes,	17 Bradford ter., Everett	650	1872
7	S. Elizabeth Hallowell,	64 Vinal ave.	650	1901
7	Lennie W. Bartlett,	99 Summer st.	650	1893
6	Anna E. Sawyer,	26 Bow st.	650	1872
5	Lizzie E. Hill,	15 Joy st., Boston.	650	1891
4	Anna C. Damon,	53 Laurel st.	650	1879
3, 4	Abigail P. Hazelton,	45 Brastow ave.	650	1902
3	Agnes C. Rice,	20 Spring Hill Terrace.	650	1900
2	Ella P. McLeod,	70 Austin st., Cambridge.	650	1888
2	Ardelle Abbott,	71 Craigie st.	650	1897
1	Alice M. Emerson,	146 Highland ave.	650	1891
1	Grace S. Russell,	1097 Broadway.	650	1900
MARTIN W. CARR.				
9	CHARLES G. HAM, Master,	Watertown.	\$1,900	1898
9	Anne E. Bragdon,	21 Harvard st.	725	1898
8	Jane W. Leeman,	70 Central st.	650	1900
8	Mary E. Barnes,	53 Laurel st.	650	1901
7	May E. Berry,	29 Kidder ave.	650	1902
7	Harriet A. Hills,	1 Hillside pk.	650	1874
6	Marie T. Smith,	87 Orchard st.	650	1898
6	Marion P. Crawford,	53 Laurel st.	650	1897
5	Susie L. Luce,	8 Walter ter.	650	1896
5	Mary A. Haley,	117 Summer st.	650	1867
4	Elizabeth S. Foster,	109 Summer st.	650	1895
5, 4	Grace T. Merritt,	47 Cherry st.	650	1900
3	Florence B. Howland,	39 Boston st.	650	1897
2	Lillian E. Wentworth,	248 Highland ave.	650	1902
2	Ethel F. Morang,	162 Lowell st.	650	1898
1	Gertrude Friend,	33 Wallace st.	650	1893
Ass't	Annie B. Russell,	45 Russell st.	600	1901
GEORGE W. DURELL.				
4	NORA F. BYARD, Principal,	248 Summer st.	\$725	1884
3	Etta C. Rochefort,	23 Wendell st., Cambridge.	650	1903
2	Edith L. Hunnewell,	23 Milton st.	650	1894
1	Mary Winslow,	38 Spring st.	650	1893
BURNS.				
5	LAURA J. BROOKS, Principal,	31 Stevens st., Stoneham.	\$1,000	1883
Ass't	Margaret D. Jack,	112 Perkins st.	400	1899
5	Cara M. Johnson,	364 Harvard st., Cambridge.	650	1897
4	Elizabeth A. Davies,	47 Meacham road.	650	1893
4	Minnie S. Turner,	153 Lowell st.	650	1885
3	A. L. Brown,	281 Summer st.	650	1885
2	Mary E. Lacy,	63 Cherry st.	650	1890
2	Amy W. Woodbury,	65 Sycamore st.	650	1899
1	Alice E. Morang,	162 Lowell st.	650	1893
1	Florence M. Hamlin,	128 Orchard st.	650	1889

TABLE 29.—Teachers in Service January, 1903.—Continued.

Grade.	NAME.	Residence.	Salary.	Beginning of Service.
BENJAMIN G. BROWN.				
6	ANNIE G. SMITH, Principal,	24 Florence st., Malden.	\$6775	1901
5	Grace J. Alexander,	34 Victoria st.	650	1900
4	Edna M. Proctor,	32 West Cedar st., Boston.	650	1901
3	Lucy M. Curtis,	34 Robinson st.	650	1899
2	Alice A. Beckwith,	13 Brastow ave.	650	1897
1	Ida M. Record,	34 Robinson st.	650	1899
HIGHLAND.				
9	*GEORGE E. NICHOLS, Master,	182 Highland ave.	\$1,900	1877
	Ernest W. Robinson, Substitute,	87 Orchard st.	1,800	1903
9	M. Alice Paul,	122 Orchard st.	725	1879
8, 9	S. Adelaide Blood,	Washington st., Ayer.	700	1882
8	Phœbe E. Mathews,	205 School st.	650	1897
7	Grace M. Clark,	10 Vernon st., West Medford.	650	1893
7	Mary F. Kelley,	2 Kenwood st.	650	1902
7	Jennie C. Frazier,	561 Columbus ave., Boston.	650	1887
6	Sarah E. Pray,	28 Quincy st.	650	1878
5	Mary H. Joyce,	76 Boston st.	650	1891
4	Cora B. Wheeler,	39 Chester st.	650	1896
3	Jane M. Taaffe,	159 Morrison ave.	650	1888
2	Katherine E. Hourahan,	12 Grove st.	650	1892
1	Clara G. Hegan,	100 School st.	650	1897
Ass't	Mabel A. Sherman,	2 Campbell park.	425	1902
WM. H. HODGKINS.				
9	ARTHUR L. DOE, Master,	86 Chandler st.	\$1,900	1896
9	Alice M. Winslow,	33 Wallace st.	725	1896
8, 9	Edith W. Emerson,	Arlington.	700	1896
8	Alice S. Hall,	Somerville.	650	1896
7	Lilla E. Mann,	122 Orchard st.	650	1902
7	Jeannette Norris,	131 Crafts st., Newtonville.	650	1902
6	Mrs. Gertrude W. Leighton,	33 Wallace st.	650	1896
6	Flora A. Burgess,	Arlington Heights.	650	1894
5	D. J. Adams,	13 Cottage ave.	650	1901
4	Catharine A. Burden,	38 Barrett st., Malden.	650	1902
3	Katherine M. Fox,	Stoneham.	650	1896
2, 3	Maude C. Valentine,	1098 Broadway.	400	1901
2	Grace H. Morse,	78 Summer st.	650	1900
1	Mrs. Marion I. Noyes,	15 Park ave.	650	1896
1	Almena J. Mansir,	77 Albion st.	650	1899
LINCOLN.				
5	MAY E. SMALL, Principal,	7 Kingston st.	\$725	1900
4	Eliza H. Lunt,	50 Curtis st.	650	1890
3	Charlotte F. Mott,	154 Charles st., Boston.	650	1886
2	Alice T. McNamara,	35 St. James ave., Boston.	650	1895
1	Martha A. Jencks,	102 Orchard st.	650	1899
EVENING SCHOOL PRINCIPALS.				
ALBERT L. WARE, Drawing.				
CHARLES T. MURRAY, Prescott.				
JOHN S. EMERSON, Bell.				
FRED C. BALDWIN, Forster.				
CHARLES E. BRAINARD, Highland.				

* On leave of absence.

TABLE 29.—Teachers in Service January, 1903.—Concluded.

Grade.	NAME.	Residence.	Salary.	Beginning of Service.
	SPECIAL TEACHERS.			
	MUSIC.			
6-1	S. Henry Hadley, Charlotte D. Lawton,	46 Pearl st. 60 Bow st.	\$1,700 900	1869 1898
	DRAWING.			
9-1	Mary L. Patrick,	Newtonville.	\$1,000	1895
	SEWING.			
8-5	Mary L. Boyd,	60 Bartlett st.	\$650	1888
8-5	Emma J. Ellis,	54 Marshall st.	650	1900
8-5	Bertha P. Paul,	23 Monmouth st.	600	1900
	PENMANSHIP.			
9-1	Wm. A. Whitehouse,	94 Summer st.	\$1,200	1895

TABLE 30.—OFFICERS IN SERVICE DECEMBER, 1902.

	NAME.	Residence.	Salary.	Beginning of Service.
	SUPERINTENDENT.			
	Gordon A. Southworth,	40 Greenville st.	\$3,000	1893
	CLERK.			
	Cora S. Fitch,	273 Medford st.	\$650	1901
	TRUANT OFFICERS.			
	Lemuel H. Snow, Jairus Mann,	75 Benton road. 80 Porter st.	\$1,100 50	1886 1872

TABLE 31.—SCHOOL JANITORS, DECEMBER, 1902.

SCHOOL.	Name.	Residence.	Salary.
Latin High, S .	Joseph Young.	51 Oxford St.	\$1,000 00
English High, S	Lewis G. Keene.	54 Prescott St.	1,200 00
Prescott, S, 12 .	George A. McGunnigle.	50 Pearl St.	830 00
Edgerly, S, 12 .	David G. Marston.	20 Everett Ave.	830 00
Davis, F, 4 .	N. L. Pennock.	54 Putnam St.	400 00
Bell, S, 12 .	F. S. Dickinson.	1 Putnam St.	830 00
Cummings, F, 4	William T. Higgins.	82 School St.	380 00
Knapp, S, 13	John C. Sampson.	11 Fountain Ave.	890 00
Pope, F, 12 .	Hiram A. Turner.	16 Gibbens St.	830 00
Bennett, S, 12 .	Daniel T. Campbell.	140 Medford St.	890 00
Forster, S, 13 .	James L. Whitaker.	146-R Sycamore St.	720 00
Forster, S, 13 .	John H. Kelley.	11 Richdale Ave.	900 00
Glines, S, 14	Roy C. Burckes.	249 School St.	950 00
Bingham, S, 8 .	John F. O'Brien.	5 Richardson St.	600 00
Morse, F, 12 .	Charles Gale.	10 Brastow Ave.	830 00
Durell, S, 4 .	Albert C. Taylor.	46 Oxford St.	540 00
Burns, S, 8 .	Charles Gallaway.	160 Hudson St.	600 00
Highland, F, 12	E. P. Cook.	241 Elm St.	830 00
Lincoln, S, 4 .	W. B. Higgins.	82 School St.	480 00
Hodgkins, S, 12	Andrew B. Colesworthy.	33 Simpson Ave.	890 00
Hanscom, S, 6 .	Albert Gilman.	66 Glen St.	600 00
Carr, S, 15 .	James W. Rich.	206 Highland Ave.	1,080 00
Perry, S, 6 .	Henry C. Bradford.	72 Boston St.	600 00
Brown, S, 6 .	John F. Richardson.	23 Appleton St.	600 00
Baxter, S, 6 .	William Winterbottom.	2 Bolton St.	600 00

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.

PUBLIC LIBRARY.

BOARD OF TRUSTEES AND OFFICERS

OF THE SOMERVILLE PUBLIC LIBRARY, YEAR ENDING DECEMBER 31, 1902.

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SAM WALTER FOSS	Secretary.

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Building and Grounds—Viall, Perkins, and Hall.
Administration—Wellington, Soule, and Parker.
Books and Catalogues—West, Viall, Booth, Wellington, Moore, and Hall.
Finance—Perkins, Hall, and Parker.

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SAM WALTER FOSS.

Assistant Librarian.

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Assistant Cataloguer.

ESTHER M. MAYHEW.

Children's Librarian.

ANNA L. STONE.

School Librarian.

EDITH B. HAYES.

Reference and Art Librarian.

MABEL E. BUNKER.

Assistants.

MARY J. WARREN.	ALICE W. SEARS.
MARY S. WOODMAN.	GARDNER STACY.
FLORENCE D. HURTER.	DAVID COUNTWAY.
BESSIE L. DUDDY.	CHARLES A. PERRY.
NELLIE M. WHIPPLE.	F. STUART DEAN.

Janitor.

CHARLES A. SOUTHWICK.

PUBLIC LIBRARY ACCOUNT.

Receipts and Expenditures for 1902.

CREDIT.	
Balance from 1901	\$220 75
Dog tax	3,230 95
Appropriations	14,500 00
Fines, etc.	716 89
A. L. Cadwell (money refunded)	4 75
E. B. Hall	10 00
Total	\$18,683 34

DEBIT.	
Pay Roll for January	\$1,260 19
“ “ “ February	1,196 87
“ “ “ March	1,580 15
“ “ “ April	1,447 87
“ “ “ May	1,420 84
“ “ “ June	1,634 50
“ “ “ July	1,034 03
“ “ “ August	1,226 96
“ “ “ September	1,229 44
“ “ “ October	2,016 61
“ “ “ November	2,358 88
“ “ “ December	2,183 45
Balance	93 55
Total	\$18,683 34

Isaac Pitman Poetry Fund.

CREDIT.	
Balance from 1901	\$85 64
Interest	40 00
Total	\$125 64

DEBIT.	
Books purchased in 1902	\$37 12
Balance carried to 1903	88 52
Total	\$125 64

Isaac Pitman Art Fund.

CREDIT.	
Balance from 1901	\$18 91
Interest	160 00
Total	\$178 91

DEBIT.	
Books and pictures purchased in 1902	\$162 35
Balance carried to 1903	16 56
Total	\$178 91

REPORT OF THE TRUSTEES.

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

The trustees of the Public Library beg to submit herewith their thirtieth annual report.

During the past year the work carried on by the Library has been virtually along the same lines adopted in previous years, but at the same time the continual growth of the various departments has called for new methods, and the Trustees are impressed with the necessity of providing additional room that the reading public may be served to the best advantage.

The Reference Department has developed rapidly during the past year, and is now used very largely by the pupils of the High and Latin Schools. That the Library is so conveniently situate to the school buildings is indeed fortunate as its usefulness is thereby greatly enhanced. The demand for books of reference from this source has very largely increased as the character and numbers of the books in the Library have become more generally known and appreciated by the teachers and scholars. It has been found necessary to duplicate many of the prominent works of reference and even then the demand has not been satisfactorily answered.

The School Department has developed rapidly. A special school librarian now devotes her whole time to the work of the schools, which she visits systematically, co-operating with the teachers in every possible way. A room has been fitted for her work, where books are arranged according to grades, and here she meets and consults with teachers and scholars. The work done by her department is greatly appreciated, and is of great value to the cause of education.

A system of co-operation with the Sunday Schools has been inaugurated. Five churches are already receiving one hundred books each, from the Library, and several more have specified their intention of using the library books at an early date. It looks as if this system might become very generally adopted. This method of service to the Sunday Schools has attracted wide attention, and several other libraries already have signified their intention to adopt a similar system.

The number of vacation cards issued during the summer months showed an increase over last year.

The Cataloguing Department has issued the printed cards furnished by the Library of Congress whenever they have been

procurable. This has resulted in a considerable decrease of labor in that department, and an increased efficiency of service.

Free access to all the books eligible to card holders was instituted in January last. This new departure meets with the universal approval of the public. Perhaps no act of the Public Library has been so popular or caused so much satisfaction to its patrons. The privilege granted was limited for a time, but as it became apparent that the opportunity of handling and examining books at leisure was a pleasure and a great help to the public in making their selections, all of the stack rooms were soon opened to the public.

A complete inventory has recently been taken of all of the books in the Library, by which it appears that less than one-quarter of one per cent. of the whole number of books catalogued are unaccounted for. This is particularly gratifying, as no inventory has been taken for several years, and speaks well for the faithfulness of the employees and the trustworthiness of the public.

Several exhibits of art work done by the scholars of the public schools have at times been on view in the Library. These exhibits attract more attention than any others, and exert a strong educative influence along artistic lines.

The circulation of books for home use continually increases, and the Library still maintains its position in this state as second only to that of Boston in point of circulation.

The Trustees take particular pleasure in again testifying to the value to the Library of our present librarian. He is faithful to the interests of the Library in every department, and ever ready with some new idea to advance its usefulness and increase its circulation.

The new methods and ideas that have been inaugurated are so successful that the Somerville Public Library is becoming known as one of the most progressive and up-to-date libraries in New England.

Respectfully submitted,
CHARLES A. WEST,
President.

December 29, 1902.

REPORT OF THE LIBRARIAN.

To the Trustees of the Somerville Public Library:—

I herewith submit the Librarian's thirtieth annual report. Below is a statement in detail relative to the various departments:—

The Cataloguing Department.

The Cataloguing Department, under the supervision of Miss F. Mabel Norcross, in keeping pace with the growth of the Library finds an increased amount of work. During the past twelve months the Library has purchased from the Library of Congress 8,300 printed cards at a cost of \$58.59. None but author cards can be purchased in this way, and so a considerable amount of work is entailed upon the cataloguing department in the writing in of the subject and title headings, the shelf numbers, etc. In the present state of the service there are many cards that cannot be obtained from the Library of Congress, and many others, which can be obtained, but are obtainable only after considerable delays. A Library desirous of keeping its card catalogue fully abreast of its purchases is sometimes inconvenienced by these delays. But this Library of Congress service is a newly inaugurated system and is steadily developing toward a high state of efficiency. We have availed ourselves of this service to such an extent that we have purchased an extra set of all the cards furnished. This extra set we have laid aside and, in due course of time, we can employ them in some of the agencies. They will serve as a nucleus for a card catalogue similar to the card catalogue now in use at West Somerville. Perhaps such a card catalogue might be established in East Somerville during the coming year. Such a catalogue would, of course, be very incomplete, at first; but it would contain most of the new books—and it is for new books that the majority of the people who consult card catalogues are looking. With free access to the shelves the patrons of the agencies are really more in need of catalogues than are the patrons of the Central Library, who can freely examine the books themselves upon the shelves. Perhaps it would be wise to consider the feasibility of gradually installing card catalogues in all the successful agencies.

Below are the statistics of books withdrawn from the Library, books added to the Library, and books bound by the Library during the year:—

Books Withdrawn.

Number of books worn out	856
“ “ “ lost by general readers	18
“ “ “ “ in schools	25
“ burned on account of infectious exposure	30
	<hr/>
Total number withdrawn	929
Total number of books withdrawn to January, 1902	5,534
“ “ “ “ “ during 1902	929
	<hr/>
Total	6,463

Books Added.

Accession number January 1, 1902	57,692
“ “ January 1, 1903	63,002
Total number of books added during 1902	5,310
Books new to the library	4,227
Duplicates	1,183
Total number withdrawn	6,463
Total number of books in the library	56,539

Binding.

Volumes rebound	3,761
Periodicals bound	165
Paper-covered books bound	75
Pamphlets	39
	<hr/>
Total	4,040

The School Department.

The School Department, under the supervision of Miss Edith B. Hayes, is doing a steadily increasing amount of work. Since the opening of the last school year, Miss Hayes has given nearly her exclusive time to the work. A room has been specially fitted up for her, lined with book-shelves sufficient to accommodate all the books at present demanded by the various school libraries. Since the beginning of the year 6,717 books have been sent to the schools. One hundred and forty-seven of the two hundred and forty teachers in the primary and grammar schools have been supplied with libraries of twenty-five books each. The High Schools have been supplied, with a few unimportant exceptions, with whatever books have been requested by the teachers. These teachers have suggested a large number of excellent books for purchase. Books thus recommended have, of course, been books of a high order and have been unhesitatingly supplied. In July, forty-eight books were sent to the Prospect Hill Summer School.

Miss Hayes has visited each of the twenty-five school buildings twice during the year. In one building, at the request of the principal, she talked with all the children, from the fourth grade through the ninth, and supplied them with lists of good

books suitable to their needs. Lists of books in the Library treating of the subjects studied in school and suitable for the children have been made out and sent to the teachers, whenever they have signified a desire for such lists.

The circulation through school boxes sent to the school has been 2,094. This circulation is now confined to the Morse and Knapp schools.

Miss Hayes is at present employed in making a complete catalogue of all the books contained in the School Department and also upon a graded list of books for children.

The Library has purchased a very large number of books for the school libraries during the past three years. As a consequence we now have a sufficient number of books on hand to supply the demands of the teachers when only twenty-five books are sent to each schoolroom. But twenty-five is an inadequate supply, and I would recommend that we still continue to purchase as many books as ever for this branch of our work, and to begin with the New Year to supply school libraries of forty books to a room. Even this number in many instances would not furnish a book apiece to the pupils.

The Children's Department.

The Children's Department, under the supervision of Miss Anna L. Stone, has been doing excellent work during the past twelve months. Since the opening of the general stack rooms to the public many young people who formerly flocked to the Children's Room have transferred their attention almost entirely to adult books. The maturity of the childish mind in literary matters is much more advanced than we seniors are apt to recognize. And, in fact, it is much better for a child to read books slightly above his comprehension than to stunt his intellect and arrest his development by reading books below his comprehension. Consequently, instead of being depressed we are somewhat elated to learn that the circulation of the Children's Room has decreased rather than increased since the opening of the stacks. The children have taken out more mature books than can be found in the Children's Room, and we feel like congratulating them on graduating from a primary to a higher grade in their intellectual development. The Children's Room is a magnificent adjunct to the Public Library as long as children remain children; but they should not be compelled to wear intellectual short dresses and knickerbockers after their sturdy minds have outgrown them.

The shelving capacity of the Children's Room has been increased more than one-half by the erection of a double-faced stack on the northern side of the room.

The circulation of the Children's Room by months is here subjoined:—

January	7,790
February	8,242
March	9,171
April	10,750
May	8,304
June	5,884
July	4,847
August	4,302
September	4,772
October	6,743
November	8,460
December	7,093
Total	<hr/> 71,444

Of this circulation, 79.05 per cent is fiction and 20.95 per cent other works. This high per cent. of fiction is due to various causes. The children obtain a large proportion of their "other works" from the numerous school libraries that are distributed throughout the city, and come to the Library for the sole purpose of obtaining fiction. Perhaps the term "fiction," at least in its obnoxious sense, ought not to be applied to the harmless story books and fairy tales, which are a natural and wholesome type of youthful reading. The story is well-nigh the only variety of literature that the young child can assimilate.

The Reference and Art Department.

The Reference and Art Department, under the supervision of Miss Mabel E. Bunker, has been increasingly used by the public.

Below is given the monthly attendance for the year:—

January	1,562
February	1,723
March	1,948
April	1,112
May	1,235
June	2,170
July	523
August	486
September	1,204
October	1,460
November	1,487
December	1,115
Total	<hr/> 16,025

There have been during the year seventeen Art exhibits in the Library, as follows: Albrecht Durer, Poster exhibit, Hawaiian Islands, Contemporary Masterpieces of French Art, French Art in Paris, Somerville High School Art work, Somerville Grammar and Primary School Art Work, Raphael, California, Autograph collection, Venice, Somerville Evening School work, Alaska, Greek and Roman Art, Siena, York.

Through the Pitman Art fund we are enabled to buy a considerable number of fine pictures and a few art books. Works of this kind are very expensive and the income from this fund is sufficient to purchase only a small part of what a good Art Department requires. A few excellent pictures of a high order of artistic merit would be a valuable addition to the walls of our Art Room. The Library would not be justified in purchasing such work from the public appropriation; but private generosity might find here an excellent opportunity for its benefactions.

The Americana branch of the Reference Department has not been neglected during the past year, and a considerable sum has been expended upon it. This money has been devoted very largely to the purchase of Maine and New Hampshire town histories.

An increasing amount of our appropriation should be expended upon our Reference Department. It is through this department that the Library finds an opportunity to do exclusively educational work.

It is gratifying to note to what an extent the Reference Room is used by the scholars of the schools.

General Work.

The general work of the Library, under the immediate supervision of Miss Adele Smith, the assistant librarian, has moved forward smoothly and an increased amount of business has been accomplished. Our Vacation Card system has been continued and has been increasingly appreciated by people who spend their vacations out of town. The past summer 274 cards were issued on which 1,371 books were taken out, as against 1,250 of last year. Of this number, 1,150 were fiction and 221 other works.

The general circulation figures of the year are as follows:—

January	23,969
February	24,546
March	33,708
April	23,777
May	22,178
June	24,199
July	16,584
August	15,080
September	20,155
October	21,386
November	24,206
December	27,118
Total	277,106

Last year the circulation was 264,227. Consequently, there has been a net increase of 12,879. Seventy-two and one-half per cent. of the circulation this year has been fiction, and 27½

per cent. other works. Last year our circulation consisted of 73½ per cent. fiction and 26½ per cent. other works.

Below is given our circulation by classes exclusive of fiction :—

General works	6,803
Philosophy	1,077
Religion	1,389
Sociology	1,893
Philology	223
Natural science	2,952
Useful arts	2,559
Fine arts	6,163
Literature	8,933
History	12,762
Children's Room	14,974
Schools, Specials, etc.	16,504
Totals	76,232

Below is the statistical statement of the general work of the year :—

Volumes in library	63,002
“ added	5,310
Delivered for home use	277,075
“ at West Somerville	13,321
“ “ East Somerville	5,421
“ “ South Somerville	3,722
“ “ Magoun square	326
“ “ Beacon street	2,393
“ from Children's Room	71,444
“ at grammar schools	2,341
Volumes out in school library	6,717
“ “ “ Sunday Schools	354
Number of Reference Room visitors	16,025
Art Department, number of photographs	400
Cards issued	3,032
Books covered	1,437
Cash, Fines	\$529 72
“ Books	114 03
“ Finding lists	6 40
“ Telephone	3 20
Total	\$653 35

Free Access.

Beginning with the first day of January, 1902, all the books of the Library intended for circulation have been free of access to the public. No act of the Library has probably ever been received with such favor as this. It is no exaggeration to say that this act has increased the usefulness of the Library two-fold.

Sunday School Libraries.

By a vote of your Board in September the librarian was authorized to loan books to the various Sunday schools of the city

that might be desirous of such service. A letter was accordingly prepared and sent to the pastor of every church in Somerville, offering books to the various Sunday schools of the city up to the number of 100. Already five Sunday schools, the Winter-Hill Congregational, the Winter-Hill Universalist, the Prospect-Hill Congregational, the Union-Square Baptist, and the First Methodist church, have accepted this service. The Sunday schools select excellent books, and through their agency the Library can be instrumental in getting a large number of inspiring, helpful, and really meritorious books before the public. Since the adoption of this Sunday school service by the Somerville Library, several other libraries have adopted a similar service.

House Delivery.

The Library still continues its house delivery of books. If the boy who engages in this work is energetic and possessed of some address he finds the work remunerative. The boys who have sections at some distance from the Library hold their customers permanently. It is difficult, however, to hold customers who live within easy reach of the Library. During the year there have been delivered by our boy carriers books to the number of 7,990.

Binding.

During the year \$1,838.41 were expended for binding. As the Library is increasing at the rate of about 6,000 books a year, as a natural consequence the binding required must naturally increase in like ratio. The folly of a cheap class of binding grows more and more apparent. Books sent out by the publishers, in too many instances are wretchedly bound. These bindings sometimes utterly collapse within a few weeks. Publishers' bindings are frequently so notoriously worthless that an organized refusal to buy such bindings on the part of the libraries of the country might be a wholesome measure. But the Public Library should not imitate the publishers in the cheap nature of its bindings. Strong, durable, and as far as possible artistic bindings should be insisted on. It was thought inexpedient by your Board to establish a bindery of our own at present, in connection with the Library, and the time has not yet arrived, perhaps, when in the interest of economy this bindery should be established. But our expense for binding is sure to increase probably at the rate of about \$400 a year. If this prediction shall be found a true one it will not be many years before such a bindery can be justified on the score of economy.

Inventory.

During the summer months an inventory of the complete Library was taken. This work was a long and arduous one, and

was the first thorough inventory that has been made for a period of several years. As a result of this inventory we discovered that 199 books were missing from the Children's Room, 116 fiction, nineteen picture books, and sixty-four other works. It must be remembered that no inventory of the Children's Room has been taken for a period of three years, and that during that time the collection has been subjected to two removals. From the general Library fifty-nine books have been found missing, twenty-eight fiction and thirty-one other works. The total number of books found missing from the entire Library is 258. When it is considered that the Library contains about 60,000 volumes, with a circulation upwards of 270,000 a year, and that no complete previous inventory has been taken for three years, this number is a remarkably low one.

Gifts.

The Library has received the following donations of books, pamphlets, and periodicals during the past year:—

List of Donations.

	Vols.	Pamph.	Period.
Adams, Mrs. C. B.	1		
Adriance Memorial Library		1	
Agricultural College	1		
Aguilar Free Library Society		2	
American-Irish Historical Society		1	
American Museum of Natural History		2	
Amherst College		1	
Barnard, Charles N.	1		
Bates, Wm. W.		1	
Boston Book Co.			3
Boston Transit Commission	1		
Bostonian Society		1	
Cambridge, Mrs. Lucetta	3	4	
Chase, Wilfrid E.		1	
Chicago and Northwest Railway Co.	1		
Clark, Gordon	1		
Clarke, Col. Albert		1	
Davis, Walter A.	1		
Drake, Mrs. A. C.	2		
Fryer, T. T.	1		
Glines, Hon. Edward	3	1	
Goldsmith, Benjamin W.	5		
Gordon, G. A.		1	
Goss, Ernest C.			187
Haines, A. C.	1		
Harvard University	1	1	
Hayes, Lydia Y.	2		
Herbert, John			40
Henry, W. E.		1	
Home Market Club		2	
Hubbard, Orrin		*91	
Kaan, Frances	8		
Libbey, L. M.	16		
Library of Congress	4	1	
Lincoln, George A.	15	80	
Lowell Textile School		1	
McClure, Phillips & Co.	1		
Makechnie, Horace P.		2	
Massachusetts	22	5	
Massachusetts Abstinence Society		2	
Massachusetts State Library		1	
Metropolitan Water Board	1		
Monotuck Silk Co.	1		
Morill, Ferdo			113
Mount Auburn Cemetery		1	
National Educational Association	1	1	
New England Historical Genealogical Society	1		
New Hampshire Library Commission			2
New York State College of Forestry		4	
New York University		1	
Nickerson, F. R.			400
Carried forward	95	211	745

* Photos .

LIST OF DONATIONS.—Continued.

	Vols.	Pamph.	Period.
Brought forward	95	211	745
Peabody Institute		2	
Perkins Institute		1	
Perry, Charles W.		1	
Piper, James H.	2		
Public Libraries :—			
Arlington (Robbins Library)		1	
Atlanta, Ga. (Carnegie Library)		1	
Baltimore (Enoch Pratt Library)		1	
Boston	2	2	12
Bradford, Pa. (Carnegie Library)		1	
Brockton		1	10
Brookline		1	4
Brooklyn, N. Y.		3	
Cambridge		1	9
Chelsea		1	
Cleveland, Ohio		1	
Clinton (Bigelow Library)		1	
Concord, Mass.		1	
Concord, N. H.		1	
Dayton, Ohio		1	
Detroit, Mich.		2	
Dover, N. H.		1	
Everett (Parlin Library)		1	
Fall River		1	
Fitchburg		1	6
Groton		1	
Hagerstown, Maryland		1	
Hartford, Conn.		1	
Haverhill		1	2
Hyde Park		1	
Jersey City, N. J.		1	1
Lancaster, Mass.		1	
Los Angeles, Cal.		1	
Ludlow, Vt. (Fletcher Library)		1	
Lynn		1	6
Madison, Wis.		1	
Manchester, N. H.		1	8
Medford		1	3
Minneapolis, Minn.		1	
Natick		1	
New Bedford			8
New Haven, Conn.		1	8
Newington, N. H.		1	
Newton	1		
New York City			12
Newark, N. J.		1	6
Niagara Falls		1	
North Adams		1	
Northampton		1	
Northampton (Forbes Library)		1	
Norwich, Conn. (Otis Library)		1	2
Paterson, N. J.		1	
Carried forward	100	263	842

LIST OF DONATIONS. — Concluded.

	Vols.	Pamph.	Period.
Brought forward	100	263	842
Public Libraries (Continued):—			
Philadelphia, Pa.		1	
Pittsburg, Pa. (Carnegie Library)		1	
Portland, Me.		2	
Providence, R. I.		1	12
Quincy (Thos. Crane Library)		1	
St. Louis, Mo.		4	
Salem		1	10
San Francisco, Cal.		1	6
San Jose, Cal.		2	
Scranton		1	
Springfield		1	6
Syracuse, N. Y.		1	
Taunton		1	
Wakefield		1	
Waltham			1
Watertown		1	
Westborough, Mass.		1	
Weymouth (Tufts Library)		2	
Winthrop		1	
Woburn		1	
Putnam, G. P.	1		
St. Louis Mercantile Library Association		1	
Sanborn, F. B.	2		
Simmons College		1	
Smithsonian Institution	4	4	
Smyth, G. H.	1		
Society Prevention Cruelty to Animals	3	1	
Soldiers' Home		1	
Somerville	1		
Southworth, Gordon A.		1	
Sprague, H. B.		1	
Stone, E. A.	2		
Tabor Academy		1	
Tufts College		2	
United States	99	88	
University of Pennsylvania		1	
West, Charles A.	1		
White, James T., & Co.		1	
Wilmington Institute		1	
Wisconsin Free Library Commission		1	
Wyatt, Mary L.	1		
Total	215	393	877

Recommendations.

There is much criticism directed to public libraries on account of the disproportionate amount of fiction circulated by them. It is not easy to reduce the absolute amount of fiction so circulated. But I believe the relative amount can be considerably reduced by a generous purchase of duplicates in the other classes of literature. The time has gone by when a public library should rest satisfied with one copy of a standard work. It should frequently have many copies and make it its business to see that they are circulated. Good books of actual intrinsic merit are not only welcome but eagerly requested by the schools. If fifty copies of a book (not a text-book) are needed by the schools the Library should purchase them—not reluctantly, but with delight. If the various Sunday schools will circulate books that are real literature the Library should see to it that their demands are supplied. Whenever a book can be easily replaced I think it should never be withheld from a public school, a Sunday school, an agency, or a club, simply because we happen to have but one copy on our shelves. Furnish, upon the asking, the single copy to the asker; and hasten to buy another copy, in readiness for the next asker. This method has been largely adopted in connection with our school work for the past three years and already we have a sufficient number of duplicate books to supply the demands made upon us by the teachers. In the ideal Library the same condition of affairs should exist in relation to all readers, of course with the exception of fiction readers. The time will shortly come when it will be a disgrace to a library not to be able to supply its patrons with any of the standard histories, biographies, essays, and poetry, for the reason that none are on the shelves. Only an insignificant fraction of the total current output of books can be purchased by any public library. But the standard books that have been tested, that have survived because they are fittest to survive, are not innumerable, and should be duplicated in a public library to such an extent that the demand for them may be fully supplied. This cannot be done at once; but it should be our aim to do it as soon as the means at our disposal will permit. During the past five years the energies of the Library, and a goodly proportion of its funds, have been directed toward the establishment of many improvements and innovations. Among some of the things accomplished may be mentioned: A new addition to the Library building doubling its capacity, a reference room open at all hours, a newspaper room, a Children's Room, a specially organized School Department, a new complete card catalogue for the general Library, an approximately complete catalogue of all the books purchased since 1895 for the West Somerville branch, a home delivery of books, a system of book delivery to the Sunday schools, a system of free access to all the books of the Library. Thus most of the work planned and the improvements projected five years ago have been accomplished.

The machinery of the Library is fairly complete and in good working condition; and there is but one great aim that I would now urge, and that is, that the Library be made as quickly as possible able to supply all calls made upon it for the really good books in all classes of literature. This, I think, can be done in the space of three years by carefully watching and tabulating the demands of the public, and then promptly duplicating all books of excellence whenever they are called for, and are not found "in." This will take time and considerable money, but it will add tremendously to the efficiency and usefulness of the Library, and will be worth all the time and money it will cost. We have no new and expensive innovations remaining to be put in operation; the improvements we projected have been accomplished. For a time, now, it seems to me, we would do well to concentrate our energies upon the building up of a library that will promptly satisfy the demands of its public as far as all books of real excellence are concerned.

Respectfully submitted,
SAM WALTER FOSS,
Librarian.

REPORT OF THE BOARD OF HEALTH.

OFFICE OF THE BOARD OF HEALTH, }
CITY HALL, January 1, 1903. }

To His Honor, the Mayor, and the Board of Aldermen:—

Gentlemen,—We respectfully submit the following as the twenty-fifth 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, 1902:—

Organization.

ALLEN F. CARPENTER, Chairman.
WILLIAM P. MITCHELL, Clerk.
CALEB A. PAGE, Agent.

Inspector of Animals and Provisions.

CHARLES M. BERRY.

Inspector of Milk.

JULIUS E. RICHARDSON.

Superintendent Collection of Ashes and Offal.

EDGAR T. MAYHEW.

Mr. Alvano T. Nickerson, who served as a member of this Board from 1893, resigned on account of ill health September 1, and Mr. Edmund S. Sparrow was appointed to fill the vacancy September 11, 1902.

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 EACH DISTRICT IN 1902.

(SEE DESCRIPTION OF DISTRICTS IN LATTER PART OF THIS REPORT.)

	I.	II.	III.	IV.	V.	VI.	VII.	VIII.	IX.	X.	Total.
Population (estimated).	7,848	6,153	5,385	6,318	11,937	6,866	7,612	3,657	5,154	4,070	65,000
Barber shops offensive	4	2	2	5	2	2	2	.....	3	.....	22
Cellar damp	5	3	9	8	6	11	7	3	4	8	64
Cesspool offensive	3	1	.....	.....	2	4	3	1	1	2	17
Cow barn offensive	1	.....	1	1	.....	2	1	1	1	1	9
Cows kept without license	8	.....	2	2	3	6	1	1	2	1	26
Drainage defective	13	9	11	8	8	7	7	3	5	7	78
Drainage emptying into cellar	2	2	4	3	1	1	.....	2	1	1	17
Drainage emptying on surface	3	2	1	1	.....	.....	1	.....	1	1	10
Fish offal	2	.....	1	1	2	1	1	.....	.....	1	9
Goats kept without license	4	.....	.....	.....	.....	.....	.....	.....	.....	2	6
Hennery offensive	2	3	2	1	1	5	2	.....	1	2	19
Manure exposed and offensive	2	1	1	2	3	2	1	2	2	3	19
Manure pit defective	3	1	2	1	2	1	3	1	1	2	17
Offal on land	4	3	3	4	2	4	3	2	1	3	29
Offensive odor in and about dwellings	5	2	4	2	2	3	2	1	2	3	26
Pigeons kept in cellar . . . . .	.....	1	.....	1	1	1	.....	.....	.....	1	5
Pigs kept without license	3	1	2	.....	2	1	2	1	1	1	14
Premises dirty	11	10	8	9	8	7	7	5	6	5	76
Privy-vault offensive	2	1	.....	1	1	5	1	1	.....	1	13
Rubbish in cellar	3	.....	1	1	2	4	.....	.....	.....	.....	11
Sewage-gas in house	2	1	2	1	1	2	2	1	1	1	14
Slops thrown on surface	2	1	.....	.....	1	1	.....	.....	.....	1	6
Stable infected with glanders	16	3	4	7	5	6	10	3	1	1	56
Stable and stable premises filthy and offensive	3	1	1	2	2	3	2	2	1	1	18
Stable without drainage	1	1	1	.....	3	2	.....	.....	1	2	11
Stagnant water on surface	2	3	2	2	1	3	1	3	5	3	25
Water-closet defective	11	9	9	8	6	7	5	2	3	4	64
Water-closet offensive	9	5	7	13	4	9	8	2	4	6	67
Water in cellar	2	4	8	3	2	1	1	4	1	1	27
Water under stable	4	1	2	3	2	4	1	.....	.....	2	19
Total	132	71	90	90	75	105	74	41	49	67	794

Number of nuisances abated	794
Number of nuisances referred to Board of 1903	79
Number of nuisances complained of	873
Number of complaints (many covering more than one nuisance)	460
Number of notices mailed	723
Number of notices served by constables	41

In addition to the above, 232 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.—Fifty-six cases of glanders have been reported during the year. Prompt action was taken in every case, and

fifty-one of the horses were killed, five being released from quarantine by order of the Cattle Commissioners.

Permits.

The record of permits to keep cows and swine, to collect grease, and to remove manure is as follows:—

Cows.—Thirty-three applications were received for permits to keep 145 cows. Twenty-two permits to keep seventy-nine cows were granted, and eleven permits were refused.

Swine.—Twenty applications were received for permits to keep thirty-eight swine. Seventeen permits were granted to keep thirty-four swine, and three permits were refused. The fee is one dollar for each swine.

Goats.—Six applications were received for permits to keep seven goats. All were granted. The fee is one dollar for each goat.

Grease.—Eighteen applications were received for permits to collect grease, fifteen of which were granted. The fee is two dollars. Four of the parties licensed reside in Somerville, three in Charlestown, four in Cambridge, two in Boston, one in Malden, and one in Revere.

Manure.—Five permits were issued during the year for the carting of manure through the streets of the city in the daytime, between May 1 and November 1. All permits issued for the removal of manure from the stables in the city in the daytime, or for carting through the streets of the city, remain in force until revoked. No fee is charged for these permits.

Melting and Rendering.—Eight 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.

Peddlers.

One hundred and twenty-two certificates of registration were issued to hawkers and peddlers during the year under the provisions of ordinance No. 27—a decrease of one from the year 1901. One hundred and twenty-one certificates have been renewed during the year. Each peddler is required to present a writing from the Sealer of Weights and Measures, showing that his measures have been properly sealed, before a certificate is issued to him. Peddlers 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 they are kept in a clean condition, and are properly marked with the owner's name and number.

Ashes.

During the past year the ashes have been removed by this department with teams owned and men hired by the city, under a competent superintendent, who also superintends the collection of house offal.

Twenty-one men, with twelve horses, twelve carts, and three wagons for the collection of waste paper, are employed in the work.

The number of loads collected each month during the year was as follows:—

January	. . . . .	3,138
February	. . . . .	2,900
March	. . . . .	3,431
April	. . . . .	2,909
May	. . . . .	2,664
June	. . . . .	1,942
July	. . . . .	2,206
August	. . . . .	2,183
September	. . . . .	1,856
October	. . . . .	2,148
November	. . . . .	2,231
December	. . . . .	2,712
Total	. . . . .	30,320

The collections are made weekly, as follows:—

Monday	. . . . .	in district one.
Tuesday	. . . . .	“ two.
Wednesday	. . . . .	“ three.
Thursday	. . . . .	“ four.
Friday	. . . . .	“ five.
Saturday	. . . . .	“ six.

During the year the districts were re-established, and the following notice was issued:—

CITY OF SOMERVILLE.

Office of the Board of Health.

On and after the twenty-second of September, 1902, the Districts and days for the collection of ashes will be 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 No. 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 No. 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 No. 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 No. 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.

RULES AND REGULATIONS FOR COLLECTION OF ASHES AND OFFAL.

Ashes must be put in suitable receptacles not larger than an ordinary flour barrel, and must be kept free from all other refuse matter.

House offal or garbage must be kept free from all other refuse matter, and in suitable vessels.

All other refuse, such as paper, rags, excelsior, straw, mattresses, old clothes, pasteboard boxes, carpets, etc., must be kept free from ashes and garbage, and placed in suitable packages or barrels to prevent being scattered in handling.

All ashes and refuse matter for removal must be placed on the outer edge of the sidewalk, on or before seven o'clock in the morning of the day when the collection is to be made.

Earth, gravel, bricks, mortar, stones, lime, plaster, cement, concrete, or refuse material from repairs or construction of buildings will not be removed by this department.

The department will remove tree trimmings, vine cuttings, and yard cleanings during the spring and summer months.

Employees of this department are not allowed to enter cellars, cellarways, bulkheads, or areas for the removal of ashes or offal.

Per order of the Board of Health.

House Offal.

The house offal has been collected by the city during the year under the same system that has been employed in the removal of ashes, and which was adopted in both departments in the year 1895.

The force employed consists of twenty men, with ten horses and twelve wagons.

The following table, showing the number of loads collected each month during the year, may be of interest:—

January	547
February	480
March	520
April	510
May	530
June	490
July	522
August	528
September	580
October	571
November	504
December	521
Total	6,303

Stables.

Under the provisions of Chapter 213 of the Acts of the Legislature of 1895, relating to the licensing and regulating of stables in cities, as amended by Chapter 332 of the Acts of 1896, and Section 3 of Chapter 300 of the Acts of 1897, forty petitions for licenses to erect stables were received and disposed of as follows:—

Number granted	18
Number refused	22

Board of Infants.

Six parties have been licensed to care for twelve children, under the provisions of Chapter 318, Acts of 1892.

Deaths.

There were 890 deaths and sixty-seven stillbirths in the city during the year, as specified in the following table, which shows an increase of deaths over the previous year of fifty-nine:—

Deaths at Somerville Hospital during the year	39
Deaths at Home for Aged Poor (Highland avenue)	45
Deaths at City Home	1

DEATHS BY AGES.

AGES.	Total.	Male.	Female.
Under one	183	105	78
One to two	25	13	12
Two to three.	18	10	8
Three to four	11	6	5
Four to five	13	6	7
Five to ten	10	4	6
Ten to fifteen	14	8	6
Fifteen to twenty	18	7	11
Twenty to thirty	59	21	38
Thirty to forty	72	33	39
Forty to fifty	74	38	36
Fifty to sixty	86	40	46
Sixty to seventy	127	76	51
Seventy to eighty	121	59	62
Eighty to ninety	56	23	33
Ninety and over	3	1	2
Total	890	450	440

Of the stillborn, 31 were males and 36 females.

Mortality in Somerville in 1902.

	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Total.
ZYMOTIC DISEASES.													
MIASMATIC.													
Smallpox	1	.....	.....	1	1	1	1	.....	.....	.....	.....	.....	5
Scarlet fever . . . . .	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	1	1	3
Diphtheria	4	.....	.....	1	2	.....	1	1	.....	2	3	5	19
Typhoid fever . . . . .	.....	.....	1	.....	.....	1	1	.....	1	1	.....	1	6
Erysipelas . . . . .	.....	.....	.....	2	1	.....	.....	.....	.....	.....	.....	.....	3
Diarrhœa . . . . .	.....	.....	.....	.....	.....	.....	.....	2	.....	1	1	.....	4
Cholera morbus . . . . .	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	1
Cholera infantum . . . . .	.....	.....	.....	.....	.....	1	2	10	4	4	.....	.....	21
Whooping cough . . . . .	.....	.....	.....	.....	.....	1	1	.....	.....	.....	1	.....	3
Dysentery . . . . .	.....	1	1	.....	.....	2	.....	3	.....	.....	.....	.....	7
La grippe . . . . .	.....	1	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	3
Meningitis	4	2	2	5	.....	5	3	1	1	1	1	2	27
Septicæmia	2	.....	1	1	.....	1	2	.....	.....	.....	.....	.....	7
Rheumatism . . . . .	.....	.....	.....	.....	1	.....	1	.....	.....	.....	1	.....	3
Measles . . . . .	.....	.....	.....	1	1	.....	1	.....	.....	.....	.....	.....	3
CONSTITUTIONAL DISEASES													
DIATHETIC.													
Anæmia	1	.....	2	1	4	1	.....	.....	.....	.....	.....	.....	9
Cancer	3	2	5	2	3	4	4	5	3	3	2	5	41
Tumor	2	1	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	4
Gangrene	1	.....	.....	.....	.....	.....	1	.....	.....	.....	.....	.....	2
Leucocythæmia	1	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	2
TUBERCULAR.													
Tuberculosis	15	16	7	7	5	10	8	7	4	9	5	10	103
Tubercular meningitis . . . . .	.....	1	1	1	1	1	1	1	.....	.....	.....	.....	7
LOCAL DISEASES.													
NERVOUS SYSTEM.													
Apoplexy	5	2	5	4	.....	3	2	4	3	4	4	2	38
Paralysis . . . . .	.....	1	1	1	5	2	3	.....	2	1	2	2	20
Brain diseases	1	.....	2	.....	.....	.....	.....	.....	2	.....	.....	1	6
Convulsions . . . . .	.....	.....	2	.....	.....	1	.....	1	1	1	.....	2	8
Spinal disease . . . . .	.....	.....	.....	.....	1	1	.....	.....	1	.....	.....	.....	3
Hemiplegia . . . . .	.....	2	1	.....	1	.....	.....	.....	.....	.....	1	.....	5
Epilepsy . . . . .	.....	1	1	.....	.....	1	.....	.....	.....	.....	.....	.....	3
Myelitis . . . . .	.....	.....	.....	.....	1	.....	.....	.....	1	.....	.....	1	3
Neuritis . . . . .	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	.....	.....	1
ORGANS OF CIRCULATION.													
Heart disease	6	7	8	5	3	8	5	5	7	4	7	8	73
Aneurism . . . . .	.....	.....	.....	2	1	.....	2	.....	.....	.....	1	.....	6
Angina pectoris . . . . .	.....	1	.....	1	.....	1	.....	.....	.....	1	.....	.....	4
Cyanosis . . . . .	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	.....	1
Hypertrophia . . . . .	.....	.....	.....	.....	1	.....	.....	.....	.....	.....	.....	1	2
RESPIRATORY ORGANS.													
Pneumonia	16	14	14	14	4	8	7	5	3	12	11	18	126
Bronchitis	3	3	3	2	1	.....	2	2	.....	4	4	8	32
Hemorrhage . . . . .	.....	.....	.....	1	2	.....	.....	1	.....	1	1	.....	6
Asthma . . . . .	.....	1	1	.....	1	.....	.....	1	.....	.....	.....	.....	4
Laryngitis . . . . .	.....	1	.....	.....	.....	.....	.....	1	.....	.....	1	.....	3
Pulmonary œdema . . . . .	.....	1	.....	1	1	.....	.....	.....	.....	1	.....	.....	4
Empysema . . . . .	.....	.....	.....	.....	1	1	.....	1	.....	2	.....	.....	5

MORTALITY IN SOMERVILLE IN 1902. — Concluded.

	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Total.
LOCAL DISEASES.													
DIGESTIVE ORGANS.													
Gastritis	3	2	...	2	...	1	3	1	3	2	2	1	20
Peritonitis . . . . .	...	1	1	1	...	3	4	...	...	1	1	2	14
Hepatitis . . . . .	...	...	...	1	...	1	...	...	...	...	1	...	2
Liver disease . . . . .	...	...	...	...	1	1	...	...	...	...	...	1	3
Gastric ulcer . . . . .	...	1	...	...	...	...	...	...	...	...	1	...	2
Enteritis . . . . .	...	...	1	1	...	...	6	5	2	4	2	1	22
Hæmatemesis . . . . .	...	...	...	...	1	...	...	...	...	...	1	...	2
Hernia . . . . .	...	2	1	...	...	...	...	...	...	1	...	1	5
Appendicitis . . . . .	...	...	1	1	...	...	...	2	...	...	3	1	8
Cirrhosis . . . . .	...	1	1	1	...	...	...	...	...	1	1	...	5
GENITO-URINARY ORGANS.													
Bright's disease	1	2	1	1	3	2	2	...	...	1	1	2	16
Diabetes	1	1	1	1	...	...	...	...	...	...	1	...	5
Cystitis . . . . .	...	2	1	...	1	1	...	...	1	...	...	...	6
Nephritis	4	4	4	2	5	2	3	5	1	6	2	4	42
Childbirth . . . . .	...	1	1	...	...	...	...	...	...	1	...	...	3
Eclampsia . . . . .	...	...	...	...	1	...	...	...	...	1	1	...	3
INTEGUMENTARY SYSTEM.													
Abscess	1	...	...	...	...	...	...	1	...	...	...	...	2
Eczema . . . . .	...	...	...	...	...	...	...	1	...	...	...	...	1
Ulcer . . . . .	...	...	...	1	...	...	...	...	...	1	1	...	3
DEVELOPMENTAL DISEASES.													
OF CHILDREN.													
Inanition	3	1	4	1	3	2	2	2	3	4	2	1	28
Premature birth and congenital debility	3	1	2	2	...	...	...	...	5	...	...	...	13
Mal-formation . . . . .	...	...	1	...	...	...	...	...	...	...	...	...	1
OF OLD PEOPLE.													
Old age	3	1	...	...	...	2	3	...	2	1	2	4	18
VIOLENT DEATHS.													
Shock from electric wire . . . . .	...	1	...	...	...	...	...	...	...	...	...	...	1
Railroad	1	1	...	...	...	1	...	...	1	1	1	2	8
Suicide . . . . .	...	...	1	...	...	...	...	1	...	1	...	...	3
Accidental poisoning . . . . .	...	...	1	1	...	...	1	1	...	...	...	...	4
Accidental drowning . . . . .	...	...	...	...	...	...	...	1	...	...	...	...	1
Accidental shooting	1	...	...	...	...	...	...	...	...	...	...	...	1
Burning . . . . .	...	...	...	...	...	...	1	2	...	1	...	...	4
Fracture of hip . . . . .	...	...	...	1	...	...	...	...	...	...	1	...	2
Fracture of skull . . . . .	...	...	...	...	...	...	...	...	1	...	...	...	1
Fracture of spine . . . . .	...	...	...	...	...	...	...	1	...	...	1	...	2
Suffocation . . . . .	...	...	...	1	...	1	...	...	...	...	...	1	3
Total	86	81	80	73	59	70	74	73	55	79	72	88	890
Stillborn	8	8	9	6	7	4	4	5	4	3	5	4	67

Population (estimated) 65,000
 Death rate per thousand 13.7

Social Relations of Decedents.

Married	293
Single	387
Widow	131
Widower	72
Divorced	7
Unknown	—
Total	890

Nativity of Decedents.

Somerville	253
Massachusetts	213
Other New England states	119
Other states	18
Canada	68
England, Scotland, and Wales	26
Ireland	129
Italy	8
Norway and Sweden	17
Russia	8
Other countries	24
Unknown	7
Total	890

Nativity of Parents of Decedents.

	Father.	Mother.
Somerville	17	13
Massachusetts	143	146
Other New England states	154	157
Other states	21	19
Canada and provinces	124	129
England, Scotland, and Wales	54	59
Ireland	266	270
Italy	14	13
Norway and Sweden	15	13
Russia	9	9
Other countries	29	26
Unknown	44	36
Total	890	890

Of the parents of the stillborn, 26 fathers and 27 mothers were natives of the United States, and 41 fathers and 40 mothers were of foreign birth.

Diseases Dangerous to the Public Health.

This Board has adjudged that the diseases known as small-pox, scarlet fever, diphtheria, membranous croup, typhus fever, typhoid fever, chicken-pox, and cholera 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 and all cases of measles coming under their care, and postal cards con-

veniently 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.

Scarlet Fever.—Seventy-eight cases of scarlet fever have been reported during the year, three of which resulted fatally. In 1901 there were one hundred and thirty cases, five of which resulted fatally.

Diphtheria.—Two hundred and twenty-four cases of diphtheria have been reported during the year, nineteen of which were fatal. In 1901 there were three hundred and forty cases, twenty-nine 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.

Typhoid Fever.—Twenty-eight cases of typhoid fever have been reported during the year, six of which have proved fatal. In 1901 there were seventy-eight cases reported, twelve of which were fatal.

Typhus Fever, Cholera.—No cases of typhus fever or cholera have been reported the past year.

Smallpox.—Sixty-two cases of smallpox have been reported during the year, four of which have proved fatal.

Number of houses placarded for various diseases	302
Premises disinfected by agent	429

DISINFECTION.

By special request of attending physicians, the agent has disinfected rooms that have been occupied by patients with consumption, typhoid fever, and cancer. He has also disinfected a large number of library books, and has burned a quantity of infected bedding and other material.

TABLES.

The prevalence of scarlet fever, diphtheria, and typhoid fever in the city during the several months of the year 1902 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 1902.

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 . . .	9	...	...	13	4	3.07	1	...	...
February . . .	7	1	14.3	9	...	...	3	...	...
March . . .	2	...	...	12	...	...	1	1	100
April . . .	6	...	...	16	1	6.2	2	...	...
May . . .	7	...	...	15	2	13.3	2	...	...
June . . .	4	...	...	21	...	...	2	2	100
July . . .	6	...	...	11	1	9.1	...	...	...
August . . .	2	...	...	12	1	8.3	2	...	...
September . . .	8	...	...	15	...	...	3	1	33.3
October . . .	9	...	...	30	2	6.6	5	1	20.0
November . . .	10	1	10.0	36	3	8.3	3	...	...
December . . .	8	1	12.5	34	5	14.7	4	1	25.0
Total . . .	78	3	3.8	224	19	8.5	28	6	21.4

Deaths from Scarlet Fever, Diphtheria and Typhoid Fever in the Last Ten Years.

MONTHS.	SCARLET FEVER.										DIPHTHERIA.										TYPHOID FEVER.									
	1893.	1894.	1895.	1896.	1897.	1898.	1899.	1900.	1901.	1902.	1893.	1894.	1895.	1896.	1897.	1898.	1899.	1900.	1901.	1902.	1893.	1894.	1895.	1896.	1897.	1898.	1899.	1900.	1901.	1902.
January . . .	1	7	8	..	..	..	..	..	..	2	2	4	12	..	2	1	7	10	4	..	2	..	2	..	2	1	..	1	..	
February . . .	..	3	5	..	..	..	..	1	4	1	1	3	1	5	2	..	2	1	4	..	..	..	1	..	..	2	1	1	2	..
March . . .	..	7	2	1	2	..	..	..	1	..	..	4	6	3	4	..	..	5	2	..	..	..	1	1	..	..	..	1	..	1
April . . .	..	3	1	..	2	..	..	2	..	..	2	1	6	5	5	1	..	2	..	1	1	..	..	2	1	2	..	..	..	..
May . . .	..	7	..	..	..	..	..	..	..	..	2	3	4	4	7	1	1	5	3	2	..	2	..	1	1	1	1	..	..	..
June . . .	..	4	..	..	..	..	..	..	..	..	..	1	2	5	1	..	..	3	1	..	..	1	1	2	..	1	..	..	..	1
July . . .	..	4	1	..	2	..	..	..	..	..	..	1	2	5	1	..	..	4	..	1	..	1	..	1	2	..	1	1	1	1
August . . .	..	3	..	1	..	..	..	..	..	..	..	4	3	2	3	3	..	2	1	..	3	1	2	2	2	1	2	1	1	..
September . . .	2	1	..	..	..	..	..	..	..	..	1	..	2	2	7	..	..	9	1	..	2	2	..	6	2	..	2	1	3	1
October . . .	..	3	..	2	..	..	..	1	..	..	1	4	3	1	5	..	1	6	3	2	3	..	4	3	2	1	1	3	1	1
November . . .	9	7	..	..	..	..	2	..	1	..	2	5	4	7	8	2	1	3	2	3	2	2	..	5	1	..	3	2	..	..
December . . .	7	2	..	1	..	..	3	1	..	1	..	1	8	6	1	1	5	4	1	5	2	2	1	1	..	1	3	..	3	1
Total . . .	19	51	17	5	6	0	3	7	5	3	11	28	43	54	44	10	11	49	29	19	13	13	10	26	11	11	15	9	12	6

Public Vaccination.

Public vaccination was begun July 27, and continued until September 24, inclusive, the following physicians being employed: Francis Shaw, W. Morrill Colby, Freeman L. Lowell, and J. Horace Dennen. All school children were required to present themselves for vaccination or show certificates of previous vaccination before returning to school.

Compulsory Vaccination.

By an order of the Board, compulsory vaccination was instituted October 24, and a system of house to house inspection and vaccination was inaugurated, in accordance with the following vote:—

“Voted, that in the opinion of this Board it is necessary for the public health and safety, and the Board hereby orders and requires that all the inhabitants of the City of Somerville who have not been successfully vaccinated since January 1, 1898, shall be vaccinated at the present time.

“Ordered: That all persons who violate the foregoing regulation shall be prosecuted.”

The following are copies of communications forwarded to His Honor the Mayor, and his indorsements thereon:—

City Hall, November 5, 1902.

Hon. Edward Glines, Mayor:—

Dear Sir: The Board of Health, duly assembled this date, appointed, subject to your approval, under Section 44, Title 6, of the new City Charter, the following persons to be employed for the purpose of carrying on the work of house to house vaccination: Dr. J. H. Dennen, Dr. Charles E. Bedell, Dr. Francis Shaw, Dr. Leonard Pote, Dr. George F. Hughes, Dr. Herbert K. Stiles, Dr. Charles F. Maguire, Dr. Frank E. Bateman, Dr. Herbert Cholerton, Dr. Joseph Aspray.

Respectfully submitted,

WILLIAM P. MITCHELL, Clerk.

Mayor's Office, November 5, 1902.

I hereby approve of the employment of the above-named persons.

EDWARD GLINES, Mayor.

City Hall, November 6, 1902.

Hon. Edward Glines, Mayor:—

Dear Sir: The Board of Health, at its meeting held November 5, voted that the compensation to the physicians appointed under that date and approved by your honor, to be employed for the purpose of carrying on house to house vaccination, be at the rate of two dollars (\$2.00) per hour for the time actually employed in the work.

Respectfully submitted,

WILLIAM P. MITCHELL, Clerk.

Mayor's Office, November 6, 1902.

I hereby approve of the rate of compensation for the physicians employed for the purpose of carrying on the work of house to house vaccination.

EDWARD GLINES, Mayor.

Summary of Work to December 31.

	Hours Employed.	Inspections.	Vaccinations
October	262¼	3,320	786
November	858	8,268	1,986
December	872	8,624	1,704
	<hr/> 1,992¼	<hr/> 20,212	<hr/> 4,476

Bacteriological Department.

The work of this department was performed by Dr. Freeman L. Lowell from January 1 to August 1. Pursuant to a vote taken by the Board in July, the department, as thus constituted,

ceased to exist, and the work was continued by the State Board of Health.

By vote of the Board taken in December, a bacteriological laboratory was established at the City Hall, and Dr. Frank L. Morse was elected bacteriologist, at a salary of six hundred dollars a year.

The following circular was sent to the physicians of the city:—

BACTERIOLOGICAL LABORATORY.

OFFICE OF THE BOARD OF HEALTH,
SOMERVILLE, December 23, 1902.

The Board of Health of the City of Somerville announces the establishment of a bacteriological laboratory at the City Hall for the examination of diphtheria cultures, sputum of tuberculosis, and of the blood for typhoid fever and malaria.

The following regulations have been made governing the work of the laboratory:—

HOURS FOR RECEIVING SPECIMENS.

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.

TRANSMISSION OF SPECIMENS.

Outfits for specimens for tuberculosis and diphtheria may be obtained at the laboratory and at the following places:—

Charles H. Crane, 154 Perkins street.

Milton H. Plummer, 25 Union square.

Percy A. Hall, Elm street, near Davis square.

Herbert E. Bowman, Magoun square.

Outfits for typhoid fever and malaria will be supplied from the laboratory only.

After the specimen is collected, it must be taken or sent directly to the laboratory at the City Hall.

REPORTS FROM SPECIMENS.

Early reports from the specimens submitted are of importance chiefly in the diphtheria diagnostic work. Everything else is subordinated to obtaining these results quickly. All positives for diagnosis, and all doubtful or unsatisfactory results where a second examination may be desirable, are reported to the physicians, by telephone whenever possible. Negative results for diagnosis and cultures for release are not reported by telephone except upon request. All results are reported to physicians by mail, whether telephoned or not.

The diphtheria results are usually available by 10 A. M., sputum and typhoid results by 11 A. M., and other examinations by 12 M. Telephone inquiries should not be made before these hours.

RELEASE OF DIPHTHERIA PATIENTS FROM QUARANTINE.

On and after December 29, 1902, this Board requires that two consecutive negative cultures be obtained from patients ill with diphtheria before releasing them from quarantine, the first culture to be taken by the attending physician, the second to be taken by the Board of Health.

Release cultures in all cases must be taken from both the nose and throat.

DISTRIBUTION OF ANTI-TOXIN FOR TREATMENT OF DIPHTHERIA.

Diphtheria anti-toxin will be kept at the laboratory and at the following-named places for free distribution to physicians, or upon their order, for immediate use:—

Charles H. Crane, 154 Perkins street.

Milton H. Plummer, 25 Union square.

Percy A. Hall, Elm street, near Davis square.

Herbert E. Bowman, Magoun square.

Blank forms will be furnished, which physicians are required to fill out and return to this Board as a report of the case for which anti-toxin is used.

ALLEN F. CARPENTER, Chairman,
ALBERT C. ALDRICH, M. D.,
EDMUND S. SPARROW,
Board of Health.

Districts.

The accompanying map shows the boundaries of the ten health districts into which the city was divided by the Board of Health of 1878.

A record has been kept from year to year of the number of deaths, the death rate per thousand, the prevalence of dangerous diseases, and the number of nuisances abated in these several districts, and is continued in the following tables, and in the table near the beginning of this report.

The estimated population in the several districts was originally based on the number of assessed polls in each, and upon the population of the entire city; the ratio of polls to population being presumed to be the same in all the districts. Substantially the same method of estimating the population has been continued, the census of every fifth year being taken as a basis for calculation.

The number of dwellings and of assessed polls May 1, 1902, has been obtained from the assessors' books.

Table of Deaths in Each District During the Last Ten Years.

Districts	I.		II.		III.		IV.		V.		VI.		VII.		VIII.		IX.		X.		Entire City.		
	Number of Deaths.	Rate per 1,000.	Number of Deaths.	Rate per 1,000.	Number of Deaths.	Rate per 1,000.	Number of Deaths.	Rate per 1,000.	Number of Deaths.	Rate per 1,000.	Number of Deaths.	Rate per 1,000.	Number of Deaths.	Rate per 1,000.	Number of Deaths.	Rate per 1,000.	Number of Deaths.	Rate per 1,000.	Number of Deaths.	Rate per 1,000.	Number of Deaths.	Rate per 1,000.	
Area	337 A.	107 A.	93 A.	171 A.	361 A.	285 A.	194 A.	482 A.	174 A.	456 A.	2,660 A.												
Population	7,848	6,153	5,385	6,318	11,937	6,866	7,612	3,657	5,154	4,070	65,000												
Dwellings	1,036	1,041	868	1,023	2,148	1,237	1,307	636	962	833	11,091												
Average in each dwelling	7.5	6.0	6.1	6.1	5.6	5.5	5.8	5.7	5.4	5.0	5.8												
YEAR.																							
1893	161	9	63	94	180	64	72	94	16	20	64	20	14	23	26	9	27	18	790	15			
1894	157	12	86	117	188	70	64	117	21	18	70	13	10	43	37	10	27	11	855	16			
1895	136	14	91	94	184	77	94	17	18	17	77	15	16	29	29	8	40	17	823	16			
1896	155	22	77	105	180	97	105	19	16	16	97	16	13	46	36	9	52	21	924	17			
1897	158	22	80	88	170	15	88	17	15	93	15	82	12	40	29	8	53	18	859	15			
1898	161	23	79	88	194	18	88	17	14	13	18	15	14	28	9	50	12	880	15				
1899	102	14	81	113	155	87	113	19	22	20	87	12	12	34	11	46	11	28	9	801	13		
1900	134	17	87	115	199	82	115	19	20	20	82	13	11	41	12	54	11	51	15	967	16		
1901	133	17	70	67	178	65	67	11	15	15	65	10	9	47	14	58	11	73	20	831	13		
1902	140	18	75	73	184	70	73	12	18	18	70	10	10	53	15	63	12	81	20	890	13		
Average death rate per 1,000 for ten years	19	13	16	17	17	14	12	13	11	12	15	11	13	11	11	16	15	16	15	15	15	15	

Table Showing the Five Principal Causes of Death in Somerville in 1902, with the Number and Rate in Each District.

DISTRICTS.	PNEUMONIA.		TUBERCULOSIS.		HEART DISEASE.		NEPHRITIS.		CANCER.	
	Number of Deaths.	Number per 1,000 of Pop.	Number of Deaths.	Number per 1,000 of Pop.	Number of Deaths.	Number per 1,000 of Pop.	Number of Deaths.	Number per 1,000 of Pop.	Number of Deaths.	Number per 1,000 of Pop.
I.	21	2.68	17	2.17	5	0.64	5	0.64	7	0.89
II.	10	1.62	9	1.46	12	1.95	9	1.46	5	0.81
III.	9	1.67	7	1.29	4	0.74	3	0.56	2	0.38
IV.	10	1.59	14	2.22	3	0.48	3	0.48	3	0.48
V.	20	1.69	24	2.01	19	1.59	4	0.34	7	0.59
VI.	10	1.49	5	0.73	7	1.02	4	0.59	3	0.44
VII.	16	2.11	8	1.06	5	0.66	3	0.39	2	0.27
VIII.	7	1.92	5	1.38	6	1.67	2	0.56	4	1.11
IX.	8	1.55	9	1.74	8	1.55	4	0.78	3	0.58
X.	15	3.69	5	1.23	4	0.98	5	1.23	5	1.23
Total	126	1.94	103	1.59	73	1.13	42	0.65	41	0.63

Table of Scarlet Fever, Diphtheria and Typhoid Fever in Each District in 1902.

DISTRICTS.	SCARLET FEVER.				DIPHTHERIA.				TYPHOID FEVER.			
	Cases Reported.	Deaths.	Cases per 1,000 of Pop.	Deaths per 1,000 of Pop.	Cases Reported.	Deaths.	Cases per 1,000 of Pop.	Deaths per 1,000 of Pop.	Cases Reported.	Deaths.	Cases per 1,000 of Pop.	Deaths per 1,000 of Pop.
I.	15	1	1.92	0.13	14	5	1.79	0.64	4	1	0.51	0.13
II.	8	..	1.32	....	13	..	2.13	....	2	..	0.32	....
III.	11	..	2.13	....	14	..	2.61	....	1	..	0.19	....
IV.	8	..	1.28	....	16	1	2.56	0.16	5	1	0.81	0.16
V.	7	..	0.59	....	50	2	4.11	0.17	6	1	0.54	0.09
VI.	12	2	1.74	0.29	44	6	6.41	0.87	7	2	1.02	0.29
VII.	4	..	0.59	....	23	2	3.02	0.26	1	..	0.13	....
VIII.	2	..	0.56	....	14	1	3.84	0.29	1	..	0.29	....
IX.	4	..	0.78	....	14	1	2.71	0.19	..	..	....	....
X.	7	..	1.72	....	22	1	5.41	0.25	1	1	0.25	0.25
Total	78	3	1.20	0.46	224	19	3.45	0.29	28	6	0.43	0.09

Rates Per Thousand of Population of Cases of Scarlet Fever, Diphtheria and Typhoid Fever Reported, and of Deaths from the Same, in the Last Seven Years.

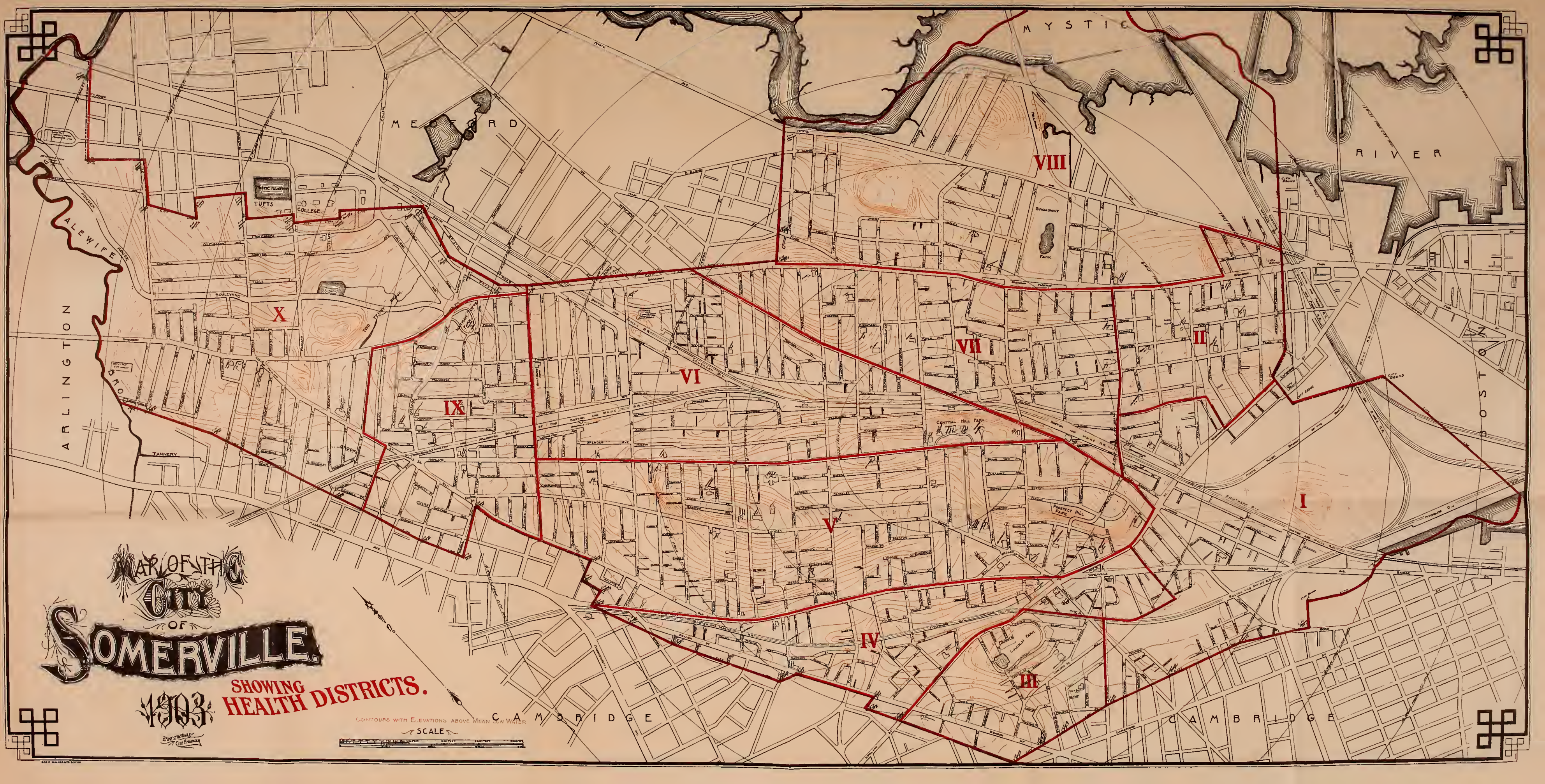
Districts.	1896.			1897.			1898.			1899.			1900.			1901.			1902.			Average for Seven Yrs.				
	Scarlet Fever.	Diphtheria.	Typhoid Fever.	Scarlet Fever.	Diphtheria.	Typhoid Fever.	Scarlet Fever.	Diphtheria.	Typhoid Fever.	Scarlet Fever.	Diphtheria.	Typhoid Fever.	Scarlet Fever.	Diphtheria.	Typhoid Fever.	Scarlet Fever.	Diphtheria.	Typhoid Fever.	Scarlet Fever.	Diphtheria.	Typhoid Fever.	Scarlet Fever.	Diphtheria.	Typhoid Fever.		
I.	{ Cases 1.12	{ Deaths 0.28	{ 11.96 1.40	{ 4.29 8.74 1.39	{ 1.35 1.08 0.40	{ 2.43 0.81	{ 4.69 11.98 1.17	{ 2.29 5.16 0.96	{ 2.13 2.61 0.19	{ 1.92 1.79 0.51	{ 0.13 0.64 0.13	{ 3.44 6.78 0.98	{ 0.98 4.59 0.98	{ 0.03 0.42 0.28	{ 2.39 5.36 0.79	{ 0.09 0.74 0.23	{ 1.83 2.56 0.81	{ 2.67 5.81 1.23	{ 0.07 0.56 0.24	{ 2.06 3.62 0.88	{ 0.04 0.29 0.31	{ 2.46 5.19 1.19	{ 1.88 4.19 0.97	{ 0.08 0.39 0.27	{ 3.47 5.39 0.99	{ 0.06 0.52 0.34
II.	{ Cases 0.72	{ Deaths 1.25	{ 10.73 1.61	{ 3.36 7.07 0.53	{ 0.85 1.36 1.02	{ 2.04 2.04 0.85	{ 1.81 7.09 0.99	{ 2.29 5.16 0.96	{ 2.13 2.61 0.19	{ 1.92 1.79 0.51	{ 0.13 0.64 0.13	{ 3.44 6.78 0.98	{ 0.98 4.59 0.98	{ 0.03 0.42 0.28	{ 2.39 5.36 0.79	{ 0.09 0.74 0.23	{ 1.83 2.56 0.81	{ 2.67 5.81 1.23	{ 0.07 0.56 0.24	{ 2.06 3.62 0.88	{ 0.04 0.29 0.31	{ 2.46 5.19 1.19	{ 1.88 4.19 0.97	{ 0.08 0.39 0.27	{ 3.47 5.39 0.99	{ 0.06 0.52 0.34
III.	{ Cases 1.49	{ Deaths 0.21	{ 5.97 1.07	{ 3.77 6.27 0.42	{ 1.39 2.19 0.36	{ 1.99 5.09 0.39	{ 3.66 10.22 2.12	{ 2.29 5.16 0.96	{ 2.13 2.61 0.19	{ 1.92 1.79 0.51	{ 0.13 0.64 0.13	{ 3.44 6.78 0.98	{ 0.98 4.59 0.98	{ 0.03 0.42 0.28	{ 2.39 5.36 0.79	{ 0.09 0.74 0.23	{ 1.83 2.56 0.81	{ 2.67 5.81 1.23	{ 0.07 0.56 0.24	{ 2.06 3.62 0.88	{ 0.04 0.29 0.31	{ 2.46 5.19 1.19	{ 1.88 4.19 0.97	{ 0.08 0.39 0.27	{ 3.47 5.39 0.99	{ 0.06 0.52 0.34
IV.	{ Cases 2.14	{ Deaths 1.25	{ 7.32 1.97	{ 3.34 3.51 1.04	{ 1.69 1.01 0.84	{ 3.21 3.04 1.01	{ 4.75 15.88 2.13	{ 2.29 5.16 0.96	{ 2.13 2.61 0.19	{ 1.92 1.79 0.51	{ 0.13 0.64 0.13	{ 3.44 6.78 0.98	{ 0.98 4.59 0.98	{ 0.03 0.42 0.28	{ 2.39 5.36 0.79	{ 0.09 0.74 0.23	{ 1.83 2.56 0.81	{ 2.67 5.81 1.23	{ 0.07 0.56 0.24	{ 2.06 3.62 0.88	{ 0.04 0.29 0.31	{ 2.46 5.19 1.19	{ 1.88 4.19 0.97	{ 0.08 0.39 0.27	{ 3.47 5.39 0.99	{ 0.06 0.52 0.34
V.	{ Cases 2.24	{ Deaths 0.72	{ 6.09 1.16	{ 1.42 3.27 0.62	{ 1.38 0.69 1.04	{ 3.31 1.74 0.97	{ 4.13 5.08 0.95	{ 2.29 5.16 0.96	{ 2.13 2.61 0.19	{ 1.92 1.79 0.51	{ 0.13 0.64 0.13	{ 3.44 6.78 0.98	{ 0.98 4.59 0.98	{ 0.03 0.42 0.28	{ 2.39 5.36 0.79	{ 0.09 0.74 0.23	{ 1.83 2.56 0.81	{ 2.67 5.81 1.23	{ 0.07 0.56 0.24	{ 2.06 3.62 0.88	{ 0.04 0.29 0.31	{ 2.46 5.19 1.19	{ 1.88 4.19 0.97	{ 0.08 0.39 0.27	{ 3.47 5.39 0.99	{ 0.06 0.52 0.34
VI.	{ Cases 2.84	{ Deaths 0.67	{ 7.18 1.00	{ 2.71 7.05 0.95	{ 0.93 1.08 0.77	{ 3.59 2.34 1.72	{ 2.55 8.39 0.89	{ 2.29 5.16 0.96	{ 2.13 2.61 0.19	{ 1.92 1.79 0.51	{ 0.13 0.64 0.13	{ 3.44 6.78 0.98	{ 0.98 4.59 0.98	{ 0.03 0.42 0.28	{ 2.39 5.36 0.79	{ 0.09 0.74 0.23	{ 1.83 2.56 0.81	{ 2.67 5.81 1.23	{ 0.07 0.56 0.24	{ 2.06 3.62 0.88	{ 0.04 0.29 0.31	{ 2.46 5.19 1.19	{ 1.88 4.19 0.97	{ 0.08 0.39 0.27	{ 3.47 5.39 0.99	{ 0.06 0.52 0.34
VII.	{ Cases 3.45	{ Deaths 0.15	{ 6.87 1.05	{ 2.01 7.55 1.02	{ 1.14 2.41 0.85	{ 1.54 1.96 2.09	{ 2.73 4.78 0.96	{ 2.29 5.16 0.96	{ 2.13 2.61 0.19	{ 1.92 1.79 0.51	{ 0.13 0.64 0.13	{ 3.44 6.78 0.98	{ 0.98 4.59 0.98	{ 0.03 0.42 0.28	{ 2.39 5.36 0.79	{ 0.09 0.74 0.23	{ 1.83 2.56 0.81	{ 2.67 5.81 1.23	{ 0.07 0.56 0.24	{ 2.06 3.62 0.88	{ 0.04 0.29 0.31	{ 2.46 5.19 1.19	{ 1.88 4.19 0.97	{ 0.08 0.39 0.27	{ 3.47 5.39 0.99	{ 0.06 0.52 0.34
VIII.	{ Cases 8.44	{ Deaths 0.38	{ 11.00 2.93	{ 4.51 4.19 1.61	{ 2.80 1.25 0.62	{ 1.22 2.49	{ 4.53 6.39 0.60	{ 2.29 5.16 0.96	{ 2.13 2.61 0.19	{ 1.92 1.79 0.51	{ 0.13 0.64 0.13	{ 3.44 6.78 0.98	{ 0.98 4.59 0.98	{ 0.03 0.42 0.28	{ 2.39 5.36 0.79	{ 0.09 0.74 0.23	{ 1.83 2.56 0.81	{ 2.67 5.81 1.23	{ 0.07 0.56 0.24	{ 2.06 3.62 0.88	{ 0.04 0.29 0.31	{ 2.46 5.19 1.19	{ 1.88 4.19 0.97	{ 0.08 0.39 0.27	{ 3.47 5.39 0.99	{ 0.06 0.52 0.34
IX.	{ Cases 1.77	{ Deaths 0.25	{ 3.54 2.78	{ 1.69 4.56 0.72	{ 0.70 0.93 1.63	{ 3.95 3.26 2.79	{ 3.71 6.81 1.09	{ 2.29 5.16 0.96	{ 2.13 2.61 0.19	{ 1.92 1.79 0.51	{ 0.13 0.64 0.13	{ 3.44 6.78 0.98	{ 0.98 4.59 0.98	{ 0.03 0.42 0.28	{ 2.39 5.36 0.79	{ 0.09 0.74 0.23	{ 1.83 2.56 0.81	{ 2.67 5.81 1.23	{ 0.07 0.56 0.24	{ 2.06 3.62 0.88	{ 0.04 0.29 0.31	{ 2.46 5.19 1.19	{ 1.88 4.19 0.97	{ 0.08 0.39 0.27	{ 3.47 5.39 0.99	{ 0.06 0.52 0.34
X.	{ Cases 6.43	{ Deaths 0.41	{ 6.03 3.22	{ 1.04 2.43 0.36	{ 1.90 0.32 1.90	{ 1.88 2.19 1.88	{ 5.45 7.75 0.58	{ 2.29 5.16 0.96	{ 2.13 2.61 0.19	{ 1.92 1.79 0.51	{ 0.13 0.64 0.13	{ 3.44 6.78 0.98	{ 0.98 4.59 0.98	{ 0.03 0.42 0.28	{ 2.39 5.36 0.79	{ 0.09 0.74 0.23	{ 1.83 2.56 0.81	{ 2.67 5.81 1.23	{ 0.07 0.56 0.24	{ 2.06 3.62 0.88	{ 0.04 0.29 0.31	{ 2.46 5.19 1.19	{ 1.88 4.19 0.97	{ 0.08 0.39 0.27	{ 3.47 5.39 0.99	{ 0.06 0.52 0.34
City	{ Cases 2.53	{ Deaths 0.09	{ 7.68 1.57	{ 2.72 5.51 0.86	{ 1.33 1.23 0.90	{ 2.62 2.45 1.22	{ 3.73 8.39 1.16	{ 2.29 5.16 0.96	{ 2.13 2.61 0.19	{ 1.92 1.79 0.51	{ 0.13 0.64 0.13	{ 3.44 6.78 0.98	{ 0.98 4.59 0.98	{ 0.03 0.42 0.28	{ 2.39 5.36 0.79	{ 0.09 0.74 0.23	{ 1.83 2.56 0.81	{ 2.67 5.81 1.23	{ 0.07 0.56 0.24	{ 2.06 3.62 0.88	{ 0.04 0.29 0.31	{ 2.46 5.19 1.19	{ 1.88 4.19 0.97	{ 0.08 0.39 0.27	{ 3.47 5.39 0.99	{ 0.06 0.52 0.34

MAP OF THE CITY OF SOMERVILLE.

SHOWING HEALTH DISTRICTS.

1903
ERNEST W. BAILEY
CITY ENGINEER

CONTOURS WITH ELEVATIONS ABOVE MEAN LOW WATER
SCALE



Undertakers.

Under the provisions of Section 7 of Chapter 437 of the Acts of the Legislature for the year 1897, fifteen persons have been duly licensed as undertakers, and three petitions for such licenses refused.

Examiners of Plumbers.

The public statutes provide for a Board of Examiners of Plumbers, consisting of the 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.

Health Department.

CREDIT.		
Appropriation		\$44,500 00
Transfer from Water Works Income		7,500 00
Receipts:—		
Hannibal S. Pond, city offal		1,100 00
Everett Board of Health, use of ambulance		50 00
Medford Board of Health, use of ambulance		30 00
George F. McKenna, horse		25 00
Town of Andover, smallpox case, 1901		498 00
Commonwealth of Massachusetts, smallpox cases		814 46
Town of Arlington, smallpox cases		765 00
City of Gloucester, smallpox case		205 00
Freeman L. Lowell, incubator		12 50
Fees for milk inspector		139 48
Permit fees to keep goats, swine, and to collect grease		72 00
		\$55,711 44
Total credit		
DEBIT.		
Expenditures:—		
Salary of Agent		\$1,200 00
Salary of Superintendent of Collection of Ashes and Offal		900 00
Salary of Inspector of Animals and Provisions		700 00
Salary of Inspector of Milk and Vinegar		649 96
Salary of Bacteriologist		233 33
Collecting ashes		13,918 17
Collecting offal		12,392 00
Stable expenses		818 00
Wagons, sleds, etc.		937 17
Tools, and repairing same		193 73
Harnesses and horse clothing		658 94
		\$32,601 30
Amounts carried forward		\$55,711 44

Amounts brought forward	\$32,601 30	\$55,711 44
Horses and horse doctoring	1,226 33	
Horseshoeing	618 60	
Hay and grain	4,258 17	
Vaccine virus	86 78	
Culture tubes and anti-toxin (expressing)	4 45	
Burying dead animals	116 00	
Books, stationery, printing, and postage .	283 21	
Office expenses, milk inspector	26 50	
Bacteriological laboratory	95 21	
Telephones	143 23	
Public vaccination	4,497 04	
Smallpox cases	7,069 49	
Smallpox hospital	1,234 49	
Compulsory vaccination	3,750 32	
Incidentals	399 34	
	<hr/>	
Total debit		\$56,410 46
		<hr/>
Account overdrawn		\$699 02
		<hr/> <hr/>

ALLEN F. CARPENTER, Chairman,
 ALBERT C. ALDRICH, M. D.,
 EDMUND S. SPARROW,
 Board of Health.

REPORT OF INSPECTOR OF ANIMALS AND PROVISIONS.

Somerville, Mass., January 5, 1903.

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

Gentlemen,—I submit the following report as Inspector of Animals and Provisions for the year ending December 31, 1902.

The following is a statement of the number of animals killed during the year at the five slaughtering establishments in the city: John P. Squire Corporation, Medford street, 568,067 swine; North Packing and Provision Company, Medford street, 595,659 swine; New England Dressed Meat and Wool Company, Medford street, 15,782 cattle, 59,272 calves, 352,077 sheep; Sturtevant & Haley Beef and Supply Company, Somerville avenue, 5,228 cattle; Rachel Gunsenhisser, North street, 166 cattle, 188 calves. Total number of animals slaughtered during the year, 1,596,439.

Thirty-five thousand four hundred and thirty-six cattle, 33,107 sheep, and 272 goats have been quarantined at Somerville before shipment to Europe. Brighton, Watertown, and Somerville are quarantine stations established by the State Board of Agriculture.

There are 187 cows and 83 swine kept in our city for domestic purposes.

Since receiving notice from the State Board of Agriculture in regard to the foot and mouth disease, I have visited all places where cattle are kept, and have found the cattle in good condition.

I have examined 1,017 horses in stables where contagious diseases were reported to exist, and thoroughly cleansed the premises when the reports were well founded. Fifty-two horses were killed for glanders, and three horses were released.

I have made 618 visits to stores and markets, and 653 inspections of peddler carts from which fish, provisions, and produce are sold. There are 347 stores in the city where articles of food are sold.

I have made monthly inspections of all bakeries throughout the city, and have found them in good condition.

I have inspected, condemned, and caused to be destroyed 3,257 pounds fresh beef, 140 pounds corned beef, 1,533 pounds veal, 16 calves, 12 livers, 293 pounds fresh pork, 59 pounds mutton, 425 pounds poultry, 1,004 mackerel, 323 herrings, 758 pounds cod and haddock, 58 pounds halibut, 171 pollock, 12½ dozen smelts, 45 lobsters, 5 pounds sword fish, 50 pounds crabs,

13 pounds eels, $1\frac{1}{2}$ bushels clams, $\frac{1}{2}$ gallon clams, 2 barrels and 1 bushel cabbages, $6\frac{1}{2}$ barrels turnips, 24 bushels potatoes, 5 barrels and 14 bushels vegetables of different kinds, $16\frac{1}{2}$ bushels greens, $6\frac{1}{2}$ bushels tomatoes, 769 bananas, 86 boxes berries, 24 boxes lemons.

As agent of the Society for the Prevention of Cruelty to Animals, I have inspected and investigated complaints in regard to 92 horses and 28 cows, and have killed 15 horses, 32 cats, and 33 dogs, and found homes for 2 dogs.

Respectfully,

CHARLES M. BERRY,
Inspector.

REPORT OF INSPECTOR OF MILK AND VINEGAR.

OFFICE OF INSPECTOR OF MILK AND VINEGAR, }
 January 5, 1903. }

To the Board of Health of Somerville:—

Gentlemen,—I herewith submit my report for the year ending December 31, 1902:—

I have issued 277 licenses and collected and analyzed 611 samples of milk, butter, and vinegar. The inspections have been made in a general way, as I have no chemical apparatus for the purpose, but hope it may be provided this year. As a large amount of imitation butter is being sold in this city, the inspections and analyses should be made in the most thorough manner.

The following is a statement of payments to the City Treasurer, and of fines imposed, which are also paid into the treasury of the city:—

Paid Treasurer.

For milk licenses	\$138 50
For postage stamps	98
	\$139 48
Total	

Fines Imposed.

1 milkman, for using Formaldehyde in milk	\$50 00
1 milkman, milk below standard	25 00
1 milkman, milk below standard	15 00
6 storekeepers, for selling poor milk, \$15.00 each	90 00
1 storekeeper, for selling poor milk	1 00
1 storekeeper, for selling poor milk, placed on file.	
2 storekeepers, for selling milk without a license, \$30.00 each	60 00
1 storekeeper, for selling milk without a license	10 00
	\$271 00
Total	

Making a total of \$410.48 returned to the city through this office.

I have sent out 73 notices where I found milk below the standard, and in most cases there was no further cause for complaint.

Early in December I spent several days investigating our supply of milk, to make sure that none of it was coming from farms infected with the foot and mouth disease, and found that all farms affected were in quarantine. Thanks to the good work

of our state and national officials, the consumers of milk have been fully protected.

I desire to renew my suggestion that more stringent rules in regard to the sale of milk from stores be made and enforced. The milk in a great many of them is handled and kept in a very filthy manner, endangering the health of our citizens, especially in hot weather, when milk is largely used for food.

I also would suggest that the card system for keeping the records of this department be installed, as it is in the other departments of the city.

Samples of milk have been brought into my office by nine citizens, and I have made analyses and reported to them the results. I desire to say that any citizen is invited to submit a sample of milk for analysis, if at any time he has reason to think it is not up to the standard.

My office is open every business day from 7 A. M. to 10 P. M.

Respectfully,

JULIUS E. RICHARDSON,

Inspector of Milk and Vinegar,

310 Broadway, cor. Marshall Street.

Telephone, 21,805 Somerville.

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.

ALVAH B. DEARBORN, 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.

OFFICE OF THE OVERSEERS OF THE POOR, }
Somerville, Mass., December 31, 1902. }

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

Gentlemen,—In accordance with our general custom, we herewith submit to you our report, with itemized tables annexed, showing the work of this department, including Miscellaneous and City Home accounts, for the year 1902:—

Temporary Aid.

We have aided less families and fewer individuals than in the years immediately preceding this. Had it not been for the scarcity of fuel, it would have been a remarkable year, and one long to be remembered as favorable to the poorer people.

Fuel.

The coal famine has been felt largely through the latter part of the year, in some cases undoubtedly causing distress. While we have been asked to furnish coal for many families, the total amount does not equal that given in former years, owing to the fact that it could be obtained in small amounts only. Our orders have all been honored, however, and, with few exceptions, promptly delivered.

We have been able, through the courtesy of His Honor, the Mayor, and the generosity of the Cambridge Gas Light Company, to secure ten tons of coke, five tons being a gift from the company, and five tons purchased at the rate of \$5.00 per ton, our City Home teams delivering the same from the gas works to needy families.

This has been a great help, coming in a time when it was hard to secure coal, even in small quantities.

Hospital.

Again we have found the Somerville Hospital of great value in caring for the sick poor, more cases having been admitted and placed upon city beds than in any previous year. The wisdom of the present system is shown by the fact that we have been able to collect for the care of patients not settled in Somerville more rebates than in any previous year.

Insane.

The city is paying for the support of about the same number of insane persons as in 1901. This is the last year, however, that the city will be obliged to bear this burden, as the law giving state control and support of the insane will become operative in January, 1904. We shall have to pay one-quarter, however, in February of that year.

State Hospital, Tewksbury.

We have given permits during the year to eleven state paupers. The majority of these were sick. Some were drunkards, and others had become burdensome to their friends.

Burials.

The custom of having the members of poor families insured for a small amount for the purpose of having a fine funeral has become so common, even including the smallest children, that there is a movement on foot to have the Legislature of 1903 enact some law regulating the matter.

This, of course, prevents many from coming to the city for aid in the burial of their friends, but, in the long run, they probably ask for more help than they would if the city assisted in the burials. When there are five or eight in a family, it becomes a great burden to keep the assessments paid up. During the year we have assisted in the burial of eighteen persons.

We have assisted poor families to \$3,516.98 in groceries and provisions, and to \$630.13 in wood and coal, also smaller sums in dry goods, boots and shoes, medicine, etc. We have paid public institutions for care of the insane the sum of \$15,832.11.

The following tables will give an idea of the details of the work:—

TABLE NO. 1.**Full Support (During the Year).**

In our City Home (men 20, women 11)	31
In private families	2
In Somerville Hospital	173
In hospitals in other towns and cities for the sick	13
In Massachusetts School for the Feeble-Minded	5
Insane persons in private families	1
Insane persons in hospitals	121

TABLE NO. 2.**Full Support (at present time, December 31, 1902).**

In Somerville City Home (men 13, women 7)	20
Insane in hospitals (we are reimbursed for 9)	97
Insane in private families	1
In hospitals, sane	17

TABLE NO. 3.

Partial Support (Outdoor Relief).

Families	270
Persons aided	1,210
Burials	18
Permits to Tewksbury Almshouse	11

TABLE NO. 4.

Reimbursements.

Commonwealth of Massachusetts	\$2,100 26
City of Boston	811 42
“ “ Cambridge	632 90
“ “ Chelsea	29 14
“ “ Everett	2 50
“ “ Fall River	153 66
“ “ Gloucester	3 10
“ “ Haverhill	6 70
“ “ Lowell	306 68
“ “ Lynn	43 65
“ “ Malden	131 87
“ “ Marlboro	106 32
“ “ Newton	36 95
“ “ Salem	80 00
“ “ Waltham	110 68
“ “ Woburn	17 45
“ “ Worcester	81 13
Town of Andover	16 00
“ “ Braintree	28 00
“ “ Canton	4 00
“ “ Hanover	4 08
“ “ Hudson	29 14
“ “ Lancaster	15 20
“ “ Medfield	20 00
“ “ Millbury	17 15
“ “ South Framingham	18 14
“ “ Swampscott	50 65
“ “ Whitman	62 00
“ “ Winchester	8 85
Guardians, relatives, and individuals	2,491 08
Money refunded	7 43
	<hr/>
	\$7,426 13

TABLE NO. 5.

Somerville Hospital (Patients on City Beds).

Patients having settlement in Somerville	58
Patients having settlement in other cities or towns	34
Patients having no settlement (chargeable to state)	80
Total number of patients sent to Hospital	172
Money paid Hospital by the City for patients settled in Somerville	\$5,000 00
Amount reimbursed to the City and paid to the Hospital for patients not settled in Somerville	1,827 56
	<hr/>
Total paid to the Hospital	\$6,827 56

TABLE NO. 6.

Population and Gross Expenditures, 1883 to 1902, 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

*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	1885 April	1893
Edward B. West, President	1888 to	date
Daniel C. Stillson	1888 April	1892
Hon. Charles G. Pope, Chairman ex-officio	1889	1891
Nathan H. Reed, President	1890 April	1894
Hon. Wm. 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	

TABLE 7.
Expenditures, in Detail, for the Year 1902.

1902.	Dry Goods.	Board.	Groceries.	Towns and Cities.	Boots and Shoes.	Medicine.	Burial.	Salaries.	Fuel.	Sundries.	Public Institutions.	Somerville Hospital.	Total.
January . . .	\$18 00	\$68 00	\$425 14	\$53 55	\$12 70	\$16 13	\$25 00	\$310 00	\$157 73	\$61 22	\$3,585 61	. . .	\$4,733 08
February . . .	5 60	24 00	488 23	480 85	8 00	. . .	33 00	314 00	124 21	109 95	. . .	\$266 66	1,854 50
March . . .	5 75	82 51	297 30	. . .	. . .	. . .	50 00	283 33	76 25	68 70	3,404 54	133 33	4,401 71
April . . .	. . .	98 87	278 52	41 00	16 30	. . .	30 00	283 33	73 95	38 42	266 04	133 33	1,259 76
May . . .	6 50	25 29	161 86	10 00	. . .	25 99	15 00	408 33	. . .	82 28	104 57	133 33	973 15
June . . .	. . .	84 69	233 83	162 00	. . .	6 75	35 00	308 33	3 65	14 14	3,481 71	133 33	4,463 43
July . . .	4 40	38 00	352 32	309 10	7 75	. . .	5 00	308 33	. . .	27 05	42 25	133 33	1,227 53
August . . .	8 00	36 43	237 50	. . .	9 15	. . .	20 00	308 33	. . .	41 43	. . .	133 33	794 17
September . . .	. . .	160 86	263 70	. . .	. . .	. . .	10 00	335 00	. . .	30 71	4,575 99	133 33	5,510 44
October . . .	2 49	33 57	199 28	. . .	22 70	8 05	. . .	321 66	. . .	179 34	144 38	133 33	1,044 80
November . . .	. . .	70 01	323 37	69 86	. . .	. . .	. . .	308 33	148 87	31 44	227 02	133 33	1,312 23
December . . .	2 50	33 57	255 93	52 00	10 55	9 75	. . .	308 37	44 62	14 02	. . .	360 93	1,092 24
Totals . . .	\$53 24	\$755 80	\$3,516 98	\$1,178 36	\$87 15	\$66 67	\$223 00	\$3,797 34	\$630 13	\$698 70	\$15,832 11	\$1,827 56	\$28,667 04

TABLE NO. 8.

Recapitulation (Miscellaneous).

Appropriation	\$21,300 00	
Transfer from Highway account	300 00	
Reimbursements	7,426 13	
	<hr/>	
Total receipts		\$29,026 13
Total expenditures		28,667 04
		<hr/>
Balance unexpended		\$359 09
Net expenditures		\$21,240 91

City Home.

Considering the large amount of repairs and extra outside work which has been done during the past season, we have had a very successful year on the farm.

The crops have been good, and favorable prices have been received, two thousand four hundred and nineteen dollars and forty-nine cents (\$2,419.49) having been realized from the sale of produce and pork.

Two acres of the meadow land which has not been under cultivation for a great many years has been reclaimed and made tillable by laying about nine hundred feet of drain tile.

The amount of produce raised on this land during the past season will practically pay for all the expense incurred in laying the drains.

The old building on the Cook estate has been removed to the rear of the barn yard, connected with the wash house building, and converted into a piggery, which, although small, is a model of its kind, the sanitary conditions of which we consider well nigh perfect. We hope for good results from the piggery during the coming year.

The old foundation walls on the Cook estate have been removed and reserved for future use, the cellars filled in, and the entire lot brought to grade as a lawn from Broadway to the barn, which, when seeded down during the coming spring, will add greatly to the appearance of the grounds.

A new six-foot tight board fence 240 feet long has been built around the barn yard.

The unsightly old hot-bed fence running from Broadway to the barn yard has been removed, leaving the ground free from any obstruction from the Home to North street.

The old manure pit in front of the wash house has been filled in and brought to a level with the adjoining land, and enclosed with a six-foot fence, making a suitable place for two hundred feet of hot beds.

The hen house has been removed to a new location in the barn yard, and put in thorough repair.

The wash house has been enlarged by extending it to the east side of the building, taking in what was formerly used for the storage of prepared wood.

The market wagon stand in the shed has been enclosed by building a partition around the loading platform, thus allowing the market wagon to be loaded at night during the winter months, the heat from the wash house stove protecting the vegetables from freezing.

A cobblestone gutter has been laid on the west side of the barn and wash house; also a brick gutter has been laid on the east side, which will provide proper drainage for the surface water.

A private bath room, with all modern fixtures, has been provided for the Warden's family by the Commissioner of Buildings, which fills a long-felt want.

Recommendations.

We would again recommend, as in our report for 1901, that an addition for men be built as soon as possible, the dormitory being overcrowded, and there being at present no proper place to care for the male sick, or sleeping accommodations for the hired men.

That the barn and outbuildings be painted, as they remain practically in the same condition as when purchased by the city in 1899.

That a fence be built from Alewife brook, along the line of the boulevard and North street, to Broadway, and from the bridge on Broadway to the rear of the City Home building, as a considerable amount of produce is stolen each year, the farm on three sides being unprotected, and open to trespassers during the night.

Products of Farm.

The following is the amount of produce raised on the farm during the past year, but which does not include the vegetables required for use in the Home:—

54,000 roots celery; 26,555 cucumbers; 9,228 heads lettuce; 10,418 bunches of beets; 9,015 bunches of radishes; 5,252 bunches of carrots; 1,508 crook-neck squash; 166½ dozen endive; 270 heads of cabbage; 22 bushels of beets; 42 bushels of carrots; 226 bushels of spinach; 263 bushels of dandelions; 222 bushels of tomatoes; 39 bushels of peas; 42 bushels of beet greens; 10 bushels of turnips; 100 bushels of potatoes; 117 bushels of string beans; 133 bushels of onions; 52 bushels of peppers.

TABLE NO. 1.

Permanent Repairs and Fixtures (City Home).

Repairs on piggery and wash house		
Electric lighting and fence		
Laying drain tile		
		\$1,558 40
Hot bed fence and celery pit boards		101 06
100 hot bed shutters		95 00
100 hot bed sash		110 00
Pole and wheels for market wagon		43 00
Safe		35 00
New harness		24 00
Outside storm windows		20 00
House furnishings		19 65
Filling cellar and grading lawns		271 55
		<hr/>
		\$2,227 66
Living expenses		5,168 98
		<hr/>
Total expenditures		\$7,396 64

TABLE NO. 2.

Reimbursements (City Home).

Commonwealth of Massachusetts (board)	\$10 86
Board of sundry persons, etc.	115 14
Produce, etc.	2,419 49
Wood (for poor families)	258 49
Money not called for	4 83
	<hr/>
	\$2,808 81

TABLE NO. 3.

Number weeks' board	932
Number males admitted during 1902	9
Number females admitted during 1902	6
Number males discharged during 1902	11
Number females discharged during 1902	5
Number males supported during 1902	25
Number females supported during 1902	13
Number died during 1902	1
Number inmates in Home January 1, 1903	20

TABLE NO. 4.

Expenditures (City Home).

For living expenses:—	
Groceries and provisions	\$1,384 19
Salaries and wages	2,081 61
Dry goods and clothing	128 13
Boots and shoes	41 85
Medicine	51 65
Shoeing horses	37 76
Hay and grain	703 50
Telephone	44 10
	<hr/>
Amount carried forward	\$4,472 79

Amount brought forward	\$4,472 79	
Seeds and fertilizers	135 20	
Swill	94 11	
13 cords wood	85 20	
Ice	16 20	
Cash paid by Warden for railroad fares	37 09	
Sundries	328 39	
	<hr/>	\$5,168 98
Credits:—		
Commonwealth of Massachusetts (board)	\$10 86	
Board for sundry persons	115 14	
Produce and pork sold	2,419 49	
Wood (for poor families)	258 49	
Money not called for	4 83	
	<hr/>	2,808 81
Net living expenses		<hr/> \$2,360 17

The following produce remained on hand January 1, 1903: 28,000 roots of celery; 5 bushels of onions.

TABLE NO. 5.

Property at the Somerville City Home January 1, 1903.

Land	\$31,700 00
Buildings	7,900 00
Furnishings, stock, tools, provisions, etc.	6,796 65

TABLE NO. 6.

Recapitulation (City Home).

Appropriation	\$4,400 00
Reimbursements	2,808 81
Total receipts	7,208 81
Total expenditures	7,396 64
Account overdrawn	187 83
Net expenditures	4,587 83

This report, with tables, is respectfully submitted.

E. B. WEST,	} Overseers of the Poor.
A. W. EDMANDS,	
H. E. MERRILL,	

REPORT OF THE CITY PHYSICIAN.

OFFICE OF CITY PHYSICIAN, }
January 1, 1903. }

To His Honor, the Mayor, and the Board of Aldermen:—

Gentlemen,—The following is a summary of the work I have performed during the year ending December 31, 1902:—

Fifteen hundred thirty-nine visits have been made. Six hundred ninety-seven persons were treated at my office. Three hundred thirty-five were vaccinated. Twenty-seven women were attended in childbirth. Seventy-two persons have had teeth extracted. Twenty-seven men were examined for the police force, and nine for permanent men in the fire department.

The year just closed will long be remembered on account of the epidemic of smallpox which has prevailed extensively, not only in Massachusetts, but throughout the country. Dr. Leonard H. Pote, whom I appointed as an assistant December 4, 1901, to attend the smallpox cases, resigned January 27, and Dr. J. H. Dennen was appointed to do the work. It gives me much pleasure to state that Dr. Dennen has been faithful and conscientious in the performance of his duties. The earnest expressions of praise for him that came from the lips of the unfortunates who were under his care is sufficient testimony to the good service he has done.

Seventy cases have been cared for during the year at our smallpox hospital, and one (a child three years of age) was treated at her home. Of the seventy-one cases, sixty-two were taken with the disease in Somerville. Of the others, two were from Medford, two from Cliftondale, and five from Arlington. These persons were either never vaccinated, or vaccinated many years ago,—not a case that had been successfully vaccinated within ten years. As I stated in my report of last year, no fact is better established than that a recent (within ten years) successful vaccination is a perfect protection from smallpox. We have had but one case during this winter.

I renew my recommendation of last year that apparatus for testing the strength of applicants for the police and fire departments be furnished.

Respectfully submitted,

ALVAH B. DEARBORN,
City Physician.

REPORT OF THE CITY ENGINEER.

OFFICE OF THE CITY ENGINEER, }
CITY HALL, SOMERVILLE, January 26, 1903. }

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, 1902, by the departments under my charge and supervision, including Engineering, Sewers, Public Grounds, and other public works, is herewith presented.

ENGINEERING DEPARTMENT.

Statement of Expenses, 1902.

Salary City Engineer (including maintenance of team)	\$2,800 00	
Salaries of assistants	9,022 06	
Stakes, tools, and general supplies (outside work)	76 93	
Draughting materials and office supplies (inside work)	96 15	
Stone bounds for defining street lines	92 48	
Car fares	229 07	
Telephone and incidentals	97 24	
Total expenditure in the department		\$12,413 93
Appropriation	\$11,900 00	
Credit by amount received for making acceptance plans	119 00	
Credit by amount received for inspection services, Sewers and Park construction work	430 00	
		\$12,449 00
Balance unexpended		\$35 07

Classification of Expenditures, Assistants' Salaries.

Sewers—comprising surveys, estimates, profiles, lines, grades, titles, plans, assessments, and all engineering work relating to sewers	\$2,979 73	
Highways—comprising plans, estimates, titles, profiles, lines and grades, and all other engineering relating to the department	928 50	
Amount carried forward	\$3,908 23	

Amount brought forward	\$3,908 23	
Sidewalks—comprising profiles, lines, grades, measurements, titles, costs, and assessments	1,070 49	
Bridges and Subways—comprising surveys, plans, and estimates	79 49	
Water Works—comprising lines, grades, locations of mains, gates, hydrants and services, and other matters relating to water department	263 17	
Public Grounds—comprising surveys, plans, estimates, profiles and grades, including laying out of parks and grounds	214 17	
Public Buildings—comprising surveys, estimates, lines, grades, and other work relating to construction	60 02	
Street Numbering—comprising locations of buildings, plans, and affixing street numbers on houses	362 31	
Street Lines and Grades—comprising establishing of lines, grades, and miscellaneous data given parties for building and grading	215 24	
Middlesex Registry—comprising copying of plans and abstracts from deeds filed, and examination of titles	145 56	
City Survey—comprising lines, angles, and measurements, calculations of traverses, and locations of division lines and buildings	636 89	
Prospect Hill Park—comprising surveys, calculations, taking of land plans, construction plans, profiles, deeds, and general engineering work in laying out and constructing	697 86	
Railway, Telephone, Electric Light and Gas Light Companies—comprising grades, plans, profiles, and office notes, locations of poles and conduits	44 23	
Stone Bounds—locating and setting	140 61	
Office Work—comprising records of all locations, indexing, typewriting, calculations, and general draughting	707 59	
Miscellaneous Work—comprising preliminary surveys, designs, sketches, etc., relating to various schemes for different committees	145 62	
Vacations and Sickness	330 58	
Total		\$9,022 06

Office Records and Value of Instruments.

Number of survey note books, sewer permit books, and deed books	237	
Number of plans, including sewers, highways, parks, house lots, etc.	6,000	
Value of field instruments, tools, and office instruments		\$1,400 00

General Work. The number of assistants employed during the year has varied according to the amount of work, the regular department force being ten and the maximum number employed eighteen.

The office work has been continued on the same general system as in past years, all note books and records of sewers, drains, highway work, water works, etc., have been indexed, all plans of estates in Somerville filed at the Registry of Deeds, East Cambridge, have been copied and indexed and all new plans of work made in the office.

Titles have been examined and abstracts from deeds made at the East Cambridge Registry for the purpose of assessing betterments on the property owners of estates assessable for the construction of new highways, sidewalks, and sewers, and amounts computed and schedules made out for the same.

A number of street names have been changed and new street numbering plans have been made, old plans revised, houses plotted and numbers affixed to buildings throughout the entire city. 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.

During the year the department has made plans and established grades for the acceptance, under the betterment act, of twenty-four new public streets, a total length of 2.65 miles; all of these plans have been copied and filed at the Middlesex Registry as required by law. A portion of these streets have been graded and macadamized and assessments levied.

A plan has been made showing a passageway, and land taken for the same, extending from the Cummings' school lot, on School street, through to Prescott street, about on the extension of Berkeley street; this passageway is for the use of foot passengers only.

A number of plans have been made at the request of the City Solicitor for use in different accident cases and hearings where the city's interests were involved.

Surveys and plans have been made for acquiring land for schoolhouse purposes, and lines and grades given for construction work on new buildings.

A large amount of engineering services has been required in making plans and profiles and laying out and constructing the new park on Prospect Hill.

Lines and grades have been given for setting 35,102 linear feet (6.65 miles) of new edgestone and the resetting of 11,700 feet (2.22 miles) of old edgestone, and measurements taken for computing assessments.

Six thousand four hundred and fifty-eight square yards of new brick sidewalks and eighty square yards of granolithic walk have been laid (about 1.77 miles in length) and 8,610 square yards of old brick sidewalks relaid.

The average cost for the year of setting edgestone has been seventy-nine cents per linear foot and brick walks eighty-eight cents per square yard.

Lines and grades have been given, measurements taken and computations made for the laying out and constructing of new streets, the reconstructing and repairing of old streets.

Lines and grades have been given the Water Department when requested.

Sixteen thousand one hundred and fifty feet of new mains with hydrants and gates have been located; 190 water services located and sketches made showing the buildings, services, gates, etc., for the water office.

A number of stone bounds have been set in concrete at street intersections and angles, for permanently defining street lines, and there are about one hundred more of these bounds that should be set in various parts of the city.

The Cambridge and Charlestown gas, electric light and street railway companies have filed plans showing locations in the city's streets of mains and tracks laid and poles erected, as required by the city ordinances.

The Boston Elevated Street Railway has petitioned the city for a double track location in Mystic and Middlesex avenues, extending from the Boston city line to the Medford city line at Mystic River. The laying of these tracks will necessitate the filling to grade, macadamizing and constructing of these avenues to their full width, sixty-six and sixty feet, respectively.

Bridges, Subways, and Grade Crossings. The old bridge over the Boston and Maine railroad at Sycamore street has been removed, new granite abutments constructed and a modern iron bridge built, giving the city a forty-foot street (including sidewalks) over the railroad. Owing to the delay in obtaining the iron work on this bridge the construction of the bridge over the railroad at School street was postponed, but this will be built the coming year, the railroad company bearing the total expense of constructing these bridges.

When these two bridges are completed, the city and railroad company will no doubt make a satisfactory agreement for the construction of a new highway bridge at Lowell street, a most important cross-town street in the centre of the city.

Plans and estimates have been made for constructing a subway for foot passengers at the Thorndike street crossing at West Somerville, and when all details are agreed upon with the railroad company the time of completion will be short and the cost of construction comparatively small. This structure is to be eight feet wide and seven feet high (inside dimensions), with white enamel brick facing and granite steps at the entrances.

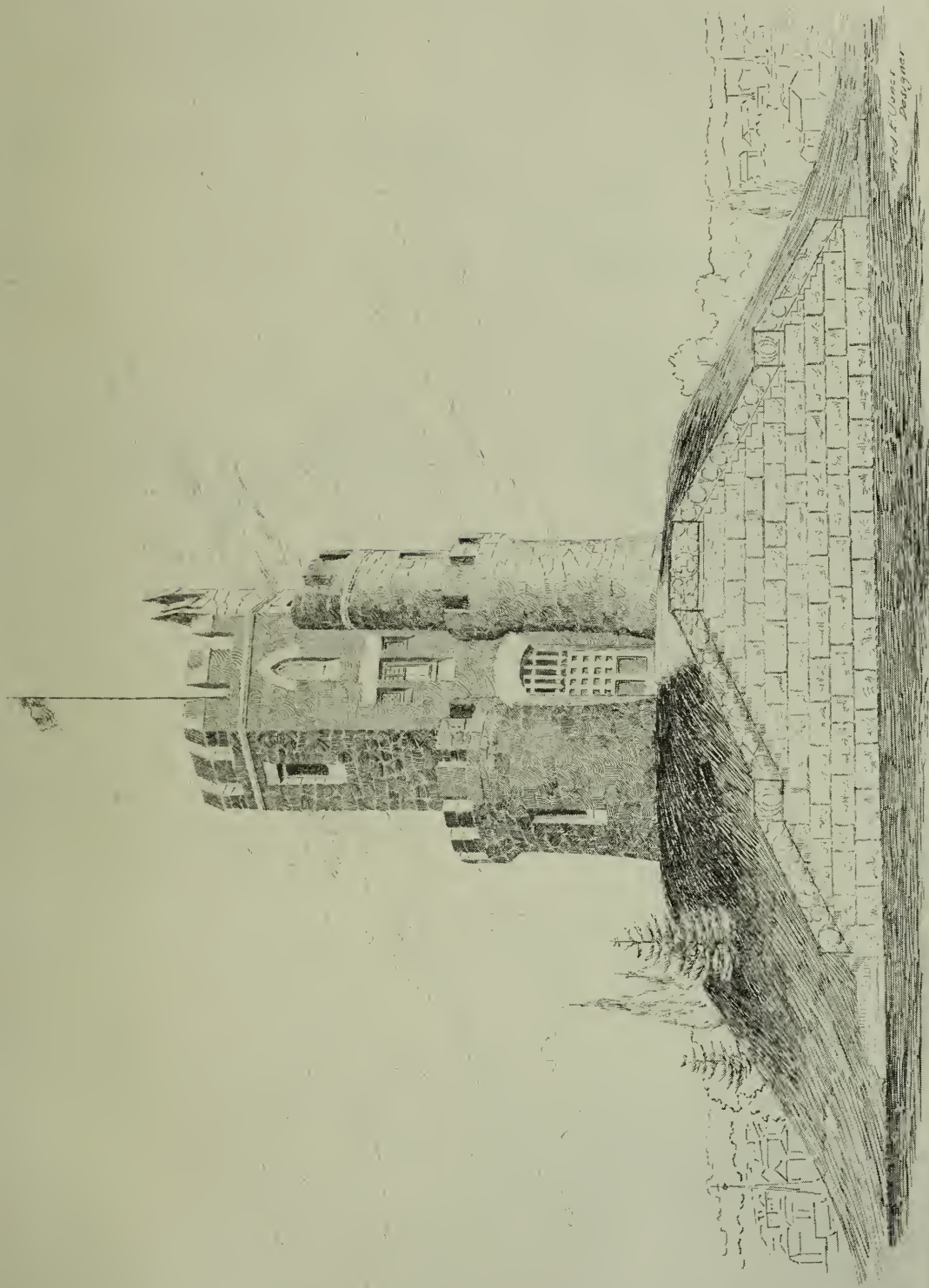
On the Fitchburg division of the Boston and Maine railroad a dangerous crossing exists at Somerville avenue, and its abolition has been a matter of discussion for a number of years past.

The expense to the city for changing this crossing, while large, is small when compared with the total cost and amount of work involved by the railroad companies.

The separation of grades would necessarily extend into the city of Cambridge, and involves the interests of two cities, two steam railroads, one electric railroad, and two large slaughter houses. Some feasible plan must first be agreed upon by the above parties, vitally interested; these two heavy traffic railroad companies, the Fitchburg division of the Boston and Maine railroad and the Grand Junction division of the Boston and Albany railroad, must devise some plan of separating their railroad crossings as well as the cities of Somerville and Cambridge, their respective highway crossings; also at the same time the crossing at Medford street would have to be changed, but the remaining street crossings on the Fitchburg division, seven in number, could be abolished independently of the Somerville avenue and Medford street work.

There are six grade crossings within the city limits on the Lexington and Arlington branch of the Boston and Maine railroad system, but any contemplated change in grade would require the co-operation of the city of Cambridge in the matter, as the abolition of these crossings necessitates a similar change in Cambridge; no definite plan has as yet been adopted.

A new bridge is being constructed by the Metropolitan Park Commission over Mystic river, on the line of the Fells Boulevard and Middlesex avenue, the old bridge to be removed after the completion of the new work. The length of the new pile structure on the Somerville side of the river will be some two hundred feet less than at present, owing to the change in the shore line, requested by our city, so that the mud flats now exposed at low tide may be filled to a proper grade and the banks of the river improved at this locality; it will also give the city more taxable area and property.



THE PROPOSED TOWER ON PROSPECT HILL PARK.

Streets Accepted in 1902 Under the Betterment Act.

NAME OF STREET.	WARD.	FROM	To	Width in Feet.	Length in Feet.
Bedford	2	South st. . . .	Cambridge line	30	165
Bowdoin	2	Fremont ave. . .	Lincoln park . .	40	94
Charles	1	Washington st.	Southeasterly . .	30	166
Dimick	2	Concord ave. . .	Calvin st. . . .	40	957
Fairlee	6	Cherry st. . . .	Northwesterly . .	30	144
Fenwick	5	Heath st.	Jaques st. . . .	40	261
Fountain ave. . .	1	Cross st.	Glen st.	30	578
Henry ave. . . .	6	Highland ave. . .	Lexington ave. . .	40	290
Homer sq.	3	Bonner ave. . . .	Northwesterly . .	30+	200
Kensington ave.	4	Broadway	Blakeley ave. . .	40	455
*Line	2	Washington st.	Southeasterly . .	30	1,727
Maple	1	Poplar st.	Medford st. . . .	30	699
Marion	2	Wyatt st.	Northwesterly . .	40	176
Munroe	3	Boston st.	Near Walnut st.	50	1,214
Pembroke	5	Central st.	Sycamore st. . . .	40	430
Poplar	1	{ Somerville ave.	{ Linwood st. . . .	{ 30	{ 351
		{ Linwood st. . . .	{ Joy st.	{ 35	{ 315
Professors row . .	7	College ave. . . .	Curtis st.	40	2,000
Rogers ave. . . .	6	Morrison ave. . .	Boston ave. . . .	45	1,682
Stone ave. (Ext'n)	3	Columbus ave. . .	Prospect Hill pk.	38	107
Veazie	4	Walnut st.	Bradley st. . . .	35	392
Willoughby . . .	5	Central st.	Sycamore st. . . .	40	427
Wilton	5	Lowell st.	Lawrence st. . . .	35	470
†Windham road . .	3	Washington st.	Columbus ave. . .	40	279
Winter	7	College ave. . . .	Holland st.	30	402
Total . . . . .	. . . . .	. . . . .	( 2.648 miles )	. . . . .	13,981

*Part in Somerville, part in Cambridge; the boundary line running approximately through the centre of the street.

† Name of street changed to Columbus avenue after acceptance.

Length of Accepted Streets in Each Ward.

Ward One	Miles.
Ward Two	8.899
Ward Three	7.623
Ward Four	6.531
Ward Five	8.228
Ward Six	10.453
Ward Seven	10.698
	13.379

Total length of accepted streets in the city . 65.811

**Miles of Edgestone, Brick Sidewalk and Gravel Sidewalk in
Each Ward.**

	Edge- stone.	Brick Sidewalk.	Gravel Sidewalk.
Ward One	15.080	11.532	3.548
Ward Two	10.193	3.940	6.253
Ward Three	12.740	11.159	1.581
Ward Four	12.258	8.307	3.951
Ward Five	14.113	9.274	4.839
Ward Six	17.787	9.034	8.753
Ward Seven	14.924	6.997	7.927
Total miles in the city.....	97.095	*60.243	36.852

*Includes 1.6 miles granolithic and tar concrete walk.

Table of Street Construction.

	Miles.
*Streets paved with granite blocks	2.75
Streets paved with asphalt . . . . .	.66
Streets paved with vitrified bricks (Davis square) . . . . .	.14
**Streets macadamized	60.19
Streets graveled	18.43
Streets unimproved	10.35
Total	92.52

*Also 29 miles (single track) electric railway, granite paved.

**Includes 2.84 miles boulevard.

Table Showing Sidewalks Constructed (not exceeding one-half cost assessed on abutters) and Paved Gutters Laid in Connection Therewith in 1902.

STREET.	WARD.	SIDE.	FROM	To	WIDTH OF SIDEWALK IN FEET.	MATERIALS.		TOTAL COST.	PAVED GUTTERS.	
						Gravel and Edgestones. Lineal feet.	Bricks. Sq. Yards.		Sq. Yards.	Cost.
(1) Appleton	7	Both	Willow ave.	Clifton st.	6.07 } 8.50† }	. . . . .	665.9	\$561 64	. . . . .	. . . . .
Banks	6	Both	Elm st.	Summer st.	6.67	. . . . .	897.6	746 10	. . . . .	. . . . .
Belmont	6	Northwesterly	Highland ave.	Estate of Howard	6.67	. . . . .	353.5	300 08	. . . . .	. . . . .
Burnside avenue	6	Northwesterly	Elm st.	Summer st.	6.67	. . . . .	491.7	419 42	. . . . .	. . . . .
Cedar	5 and 6	{ Southeasterly Northwesterly	Highland ave. Boston and Lowell R. R.	Boston & Lowell R. R. Broadway	6.67	2,248.7	. . . . .	1,791 08	749	\$1,213 45
College ave. & Professors row	7	Westerly	Talbot ave.	Estate of Anthony	10.00	395.8	. . . . .	411 65	176	352 00
Columbia	2	Both	Webster ave.	Cambridge line	6.67	1,604.4	. . . . .	1,189 78	535	732 83
Columbus avenue	3	Both	Angle	Windham road	6.67	183.1	. . . . .	141 25	61	126 92
Conwell	6	Both	Highland ave.	End of street	5.83	727.2	. . . . .	604 60	283	437 25
(2) Curtis	7	Northwesterly	Broadway	Opposite Professors row	6.67	1,325.8	. . . . .	1,107 24	508	452 78
Elston	7	Both	Elm st.	Summer st.	6.67	823.8	. . . . .	635 55	274	388 32
Fairlee	6	Both	Cherry st.	End of street	5.00	277.6	145.1	331 50	93	102 25
Fountain avenue	1	Both	Glen st.	Cross st.	5.00	1,137.3	. . . . .	856 33	379	429 45
Gilman terrace	4	Both	Pearl st.	End of street	6.67	717.0	. . . . .	542 28	239	301 32
Hammond	2	Both	Dickinson st.	Concord ave.	6.67	537.1	. . . . .	419 89	179	306 09
Hancock	6	Both	Summer st.	Highland ave.	6.67	936.9	684.8	1,446 28	312	482 86
Homer square	3	Both	Bonner ave.	End of street	6.00	475.8	. . . . .	352 93	159	268 16
Jaques	4	Northeasterly	Chauncey ave.	Temple st.	6.67	. . . . .	737.2	663 84	. . . . .	. . . . .
Jenny Lind avenue	5	Both	Vernon st.	Medford st.	7.00 } 9.00 }	1,812.4	. . . . .	1,267 70	604	683 93
Lesley avenue	6	Both	Highland ave.	Lexington ave.	6.67	685.1	. . . . .	556 42	228	391 35
Lincoln	1	Easterly	Broadway	Estate of Mills	6.67	. . . . .	80.8	79 43	. . . . .	. . . . .
Madison	5	Southwesterly	School st.	Sycamore st.	6.67	. . . . .	597.1	542 50	. . . . .	. . . . .
Marion	2	Both	Wyatt st.	Westerly end of street	6.67	347.3	. . . . .	276 14	116	252 40
Medford	5	Both (where not already set)	Tennyson st.	Lowell st.	8.33 } 9.16 }	1,365.6	. . . . .	1,505 43	622	1,010 87
Medford	5	Northeasterly	Est. Kilmartin and Hughes	Broadway	9.16	. . . . .	161.7	129 48	. . . . .	. . . . .
Medford	5	Southwesterly	Sycamore st.	Tennyson st.	8.33	. . . . .	193.1	164 03	. . . . .	. . . . .
Medford	5	Northeasterly	Jenny Lind ave.	Partridge ave.	9.16	. . . . .	152.2	163 48	. . . . .	. . . . .
Monmouth	6	N'E'ly (where not already set)	Central st.	End of public street	6.67	163.4	178.3	293 05	54	89 45
Munroe	3	Northeasterly	Prospect Hill ave.	Estate of Wentworth	10.00	612.4	. . . . .	505 00	204	377 25
Myrtle	1	Both	Washington st.	Myrtle pl. and Myrtle ct.	6.67	903.0	. . . . .	701 13	301	426 45
Myrtle	1	Both	Myrtle pl. and Myrtle ct.	Est's Hughes and Richardson	6.67 } 7.67 }	510.5	. . . . .	402 44	170	453 87
Oak	2	Both	Angle	Cambridge line	5.00	1,057.1	. . . . .	827 40	352	522 82
Orchard	7	Southwesterly	Russell st.	Estate of Smith	6.67	. . . . .	248.3	204 29	. . . . .	. . . . .
Park avenue	7	Southwesterly	College ave.	Wallace st.	6.67	. . . . .	318.3	312 29	. . . . .	. . . . .
Partridge avenue	5	Northwesterly	Medford st.	Broadway	6.67	464.7	. . . . .	380 12	155	266 58
Powder House terrace	7	Both	Kidder ave	Powder House park	6.67	695.7	. . . . .	563 20	232	341 44
Rogers avenue	6	Both	Morrison ave.	Broadway	7.50	3,408.3	. . . . .	2,539 50	1,136	1,549 80
South	2	Southerly	Medford st.	End of public street	5.00	979.2	. . . . .	755 53	326	1,066 84
South	2	Northerly	Medford st.	Water st.	5.00	961.3	. . . . .	744 98	320	1,066 84
Spencer avenue	6	Both	Cedar st.	Hancock st.	6.67	1,515.3	. . . . .	1,140 86	505	820 48
Summer	6 and 7	Both (where not already set)	Belmont st.	Cutter sq.	7.50	3,192.9	. . . . .	2,597 15	1,101	1,475 76
Sycamore	5	Northwesterly	Highland ave.	Willoughby st.	5.83	547.1	. . . . .	399 27	213	187 69
Sycamore	5	Southeasterly	Estate of Parker	Montrose st.	5.83	328.1	. . . . .	295 02	128	264 20
Sydney	4	Southwesterly	Grant st.	Temple st.	6.67	708.0	. . . . .	718 47	236	424 67
Webster avenue	2	Westerly	Prospect st.	Tremont st.	8.33†	. . . . .	286.2	244 25	. . . . .	. . . . .
Willow avenue	6	Southeasterly	Morrison ave.	Broadway	8.33	1,581.1	. . . . .	1,267 80	527	756 37
Willow avenue	6	Southeasterly	Morrison ave.	Boston & Lowell R. R.	8.33	153.6	. . . . .	114 81	51	67 74
Totals. (Gravel sidewalk, 4,243 miles. Brick sidewalk, 2,405 miles.)							33,882.6	\$32,212 11	11,528	\$17,023 64
Amount of edgestone and brick sidewalk laid at intersecting streets and in front of private estates							1,338.1	345.7	157	

(1) Grass strip northeasterly side—not assessed.
 (2) Includes 349.8 yards concrete gutter
 119.0 ft. set previous to 1902.

Total assessment, \$16,106.10. Net cost to city, \$16,106.01.

SEWER DEPARTMENT.

Statement of Expenses, 1902, Sewers Construction Account.

Constructing "separate system" sewers (assessments levied)	\$3,629 46	
Constructing "separate system" sewers (no assessments)	19,877 95	
Constructing sundry sewers as petitioned for	1,664 27	
Constructing storm drains	1,857 83	
Constructing chamber and tide gates, Middlesex avenue (storm drain outlet)	2,222 27	
Constructing 64 catch basins, street drainage	3,296 44	
Final payments on sewers constructed in 1901	3,771 74	
Settlement of accident claims	505 00	
Printing and car fares	26 97	
Materials on hand December 31, 1902,— drain pipe, \$477.54, manhole stock, \$100.00, lumber, \$58.60, catch basin stock, \$47.50	683 64	
Total		\$37,535 57

CREDIT.

Balance unexpended December 31, 1901	\$10,748 17	
Appropriation, 1902	25,000 00	
Sewers constructed in 1902, assessments levied	3,770 09	
Estates entered into various sewers, assessments	112 53	
Credits from other departments	77 39	
Reserves on contracts, due in 1903	1,189 18	
Materials on hand December 31, 1901	926 50	
		\$41,823 86
Balance unexpended		\$4,288 29

In the construction of sewers the past year a portion of the work has been done by the city, employing day labor, and the remainder by contractors; day labor being employed on the difficult work and where unknown obstacles were to be encountered.

The "separate system" sewers (those built for house drainage only) have been extended during the past year in various streets in different sections of the city.

One of the main lines has been extended at the westerly end of Washington street to Beacon street and completed in Beacon street, on the northeasterly side, as far as Sacramento street; from this main line the laterals can be constructed as desired. This

main structure was a pipe sewer of eighteen inches, fifteen inches and twelve inches in size, respectively, and the excavation for about two thousand feet in length and the entire depth was of a first quality sand and gravel, one section where the cut was eighteen feet deep being all gravel of the best quality, and a number of the city departments were supplied with sand and gravel to the extent of about seven hundred cubic yards from this sewer trench excavation.

In the East Somerville district a beginning on the construction of the "separate system" sewers has been made during the year, which will be extended in the future until the entire area, where the flooding of cellars now exists, has been completed; the new system will be used for house drainage and the present sewers used as a storm drainage system.

One of the main lines has been constructed having as an outlet the "regulator chamber," which is connected with the Metropolitan sewer, at the junction of Waverly and Roland streets, near the Charlestown line; an eighteen-inch pipe sewer being laid in Waverly street, and a twelve-inch pipe sewer extending on the southerly side of Washington street, and the westerly side of Franklin street to Palmer avenue and westerly in Palmer avenue. This main can be extended when desired and intersecting streets and houses along the line connected.

"Separate system" sewers have been commenced in the Poplar street and Linwood street district, a twelve-inch main being laid in Poplar street and eight-inch lateral sewers under the sidewalk on both sides of Linwood street; each year as required the system can be extended in this district.

The past year a permanent storm drainage outlet for the eastern district of the city, which will eventually include over four hundred acres, has been constructed across the marsh land, owned by the Boston and Maine Railroad corporation, extending easterly in the line of the old water course, from Middlesex avenue to Mystic river.

This work was done for our city by the railroad company at their expense, so that the entire area of low land and water course could be filled up to a sufficient grade for the company's use. The structure is six and one-half feet square, inside dimensions, built of heavy timbers supported by a pile foundation, and is over eleven hundred feet long, the outlet at the river being only temporary and to be extended about one hundred and fifty feet when the retaining wall is constructed along the newly established river front line; at the Middlesex avenue end of the structure the city has built a large tide gate chamber with automatic working tide gates, being the largest sewer gates in the city. The connecting part of this outlet between Middlesex avenue and Mystic avenue still remains to be built.

TABULAR STATEMENT OF SEWERS AND DRAINS BUILT IN 1902.

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.		Inspection.	Miscellaneous.	Lumber.	Average cost per lineal foot.					
															Main Sewer.	Sub-drain.									
Allen st. (storm drain)	Somerville ave.	Near Charlestown st.	Day labor	Sand	7.0	12	557.0						1	\$1.12		\$0.35	\$0.17		\$0.28	\$1.93	\$1,080.23		\$1,080.23		
*Beach ave.	Columbia st.	Near Webster ave.	Day labor	Filling	7.5	6	186.9					1	\$30.55	14	.50	.14	.03	\$0.01		0.84	156.63	\$60.00	96.63		
*Beacon st. (northerly side)	Washington st.	Ivaloo st.	Timothy F. Crimmings	Clay, sand, and gravel	13.6	15	1266.5	5	667	4.0	\$1.50	4	52.75	42	1.73	.15									
	Ivaloo st.	Kent st.	Timothy F. Crimmings	Gravel	15.2	15	522.1			1.0	1.50	2	52.75	17	1.85	.45	.10	.21	.14	2.83	7,115.39		7,115.39		
	Kent st.	Sacramento st.	Timothy F. Crimmings	Sand and clay	9.4	12	723.9	5	280			1	52.75	28	1.58	.15									
*Beckwith circle	Beacon st.	Southwesterly	Day labor	Sand	8.2	8	127.8					1	29.08	5	.21	.18	.03	.01		.64	82.51	123.23			
(storm drain)	Beacon st.	Southwesterly	Day labor	Sand	6.7	8	101.8							5	.19	.18	.03			.40	40.72				
*Boston ave.	Broadway	Ayer ave.	Charles A. Kelley	Hardpan	12.4	8	260.0	5	262			1	57.60	13	1.32	.15	.29	.03	.03	2.03	527.08	281.23	245.85		
Broadway court, off	Broadway n'r Walnut st.	Westerly	Bartholomew Burke	Hardpan	5.6	10	273.2					1	33.75	22	.31	.27	.01	.02		.74	200.79	200.64	.15		
*Endicott ave.	End of old sewer	Southerly	Day labor	Hardpan	2.5	8	71.0							3	.18	.15		.03		.36	25.73	25.73			
Fenwick st.	Jaques st.	Near Heath st.	Charles A. Kelley	Hardpan and rock	7.4	8	191.3			60.3	3.00	1	39.60	12	.30	.18	.03	.04		1.71	326.68	163.78	162.90		
*Franklin st. (westerly side)	South side Wash'ton st.	Palmer ave.	Charles A. Kelley	Clay and rock	10.6	12	529.7			31.0	4.00	2	50.75	34	1.41	.38	.12	.01		2.34	1,242.06		1,242.06		
	Across Palmer ave.		Day labor	Clay	6.8	8	14.6							1	.64	.19	.07	.03		.93	13.58		13.58		
*Harrison st.	Elmwood st.	Southeasterly	Day labor	Sand	7.5	6	194.0	6	120			1	33.00	10	.96	.15	.18	.14	.08	.11	1.74	336.68	99.31	237.37	
*Laurel st.	Somerville ave.	Park pl.	Day labor	Hardpan	6.1	8	239.2					1	27.68	20	.52	.17	.13	.03		.96	230.23		230.23		
*Linden st.	Somerville ave.	Near Charlestown st.	Day labor	Sand	7.8	8	598.3	5	40			1	44.44	41	.61	.15	.19	.12	.02	.09	1.10	660.00		660.00	
*Linwood st. (east side)	Poplar st.	Near Washington st.	William J. McCarthy	Clay and filling	9.1	8	710.3					2	42.75	32	.80	.17	.06	.04	.19						
	Poplar st.	Near London st.	William J. McCarthy	Sand, clay, and filling	10.3	8	333.0					1	42.75	16	.60					1.42	3,469.17		3,469.17		
	Poplar st.	Near Washington st.	William J. McCarthy	Clay and filling	8.7	8	700.6					2	42.75	34	.97	.17	.06	.02	.09						
(west side)	Poplar st.	Near Somerville ave.	William J. McCarthy	Sand, clay, and filling	9.4	8	706.8					2	42.75	34	.97										
*Main st.	Fremont st.	Near Moreland st.	Day labor	Hardpan and rock	9.0	8	180.7					8 inch Chimney.		11	.75	.19	.11			1.04	188.34	188.04	.30		
*Marion st.	Connection with	"Separate System"	Day labor	Filling	5.2	8	35.0								.29	.19	.11			.59	20.64		20.64		
*Merriam st.	Somerville ave.	Near Charlestown st.	Day labor	Sand	8.6	8	499.0	5	225			2	27.74	38	.79	.15	.19	.16	.05	.21	1.59	791.55		791.55	
Middlesex ave. (storm drain)	Line of Winthrop	ave. extended	Day labor	Marsh mud	14.0	Brick 11x11	24.0	Tide gate	chambers and storm drain outlet.					9	.51	.36	.02			.89	2,222.27		2,222.27		
Murray st. (storm drain)	Washington st.	Southerly	Day labor	Filling	4.6	10	140.0							9	.51	.36	.02			.89	125.21		125.21		
Packard ave.	Across Powder-house	boulevard	Day labor	Hardpan	8.6	15	73.0							2	1.09	.51	.09	.08		1.77	128.85		128.85		
*Palmer ave. (north side)	Franklin st.	Westerly	Day labor	Filling and clay	6.4	8	181.9					1	31.34	7	.64	.19	.07	.03	.08	1.18	214.04		214.04		
Pearson ave.	Morrison ave.	Northerly	William J. McCarthy	Clay and filling	10.0	10	324.0					1	42.60	19	.75	.22	.03	.02		1.03	671.76	668.56	3.20		
	End of above	Near Frederick ave	William J. McCarthy	Clay and filling	7.5	8	327.0	5	28			1	42.60	27	.50	.15									
*Pearson road	Sewer at Medford line.	Warner st.	Day labor	Sand, rock, and clay	9.8	10	384.0	5	384	159.3	3.50	4	27.97	43	.53	.15	.23	.05		1.61	1,472.10	1,055.34	416.76		
	Warner st.	Near Broadway	Day labor	Sand, rock, and clay	7.7	8	532.2																		
*Poplar st. (northeasterly side)	Somerville ave.	Joy st.	Timothy F. Crimmings	Clay, filling, and sand	10.6	12	733.7	5	160			4	52.75	48	1.48	.15	.42	.13	.24	.04	2.63	1,928.74		1,928.74	
Powder house blvd. (storm drain)	Packard ave.	Near Curtis st.	Patrick Burke	Hardpan	5.2	8	523.2			4.0	3.00	2	32.60	21	.30	.16	.03	.01		.64	336.19	333.70	2.49		
Private lands	Middlesex ave.	Mystic river	Pile foundation	Marsh land		Timber 6.5x6.5	1108.0	Built at expense of Roston and Maine	Rail road Co.																
*Professors row (storm drain)	Boston ave.	Near Bromfield road	Richard Falvey	Hardpan	8.7	8	198.5			3.5	4.50	1	37.75	9	.43	.18	.07	.02		.96	191.14	190.62	.52		
Prospect hill parkway	Columbus ave.	Northeasterly	Day labor	Hardpan	3.0	10	262.0					1	29.90	8	.79	.25		.13	.03	1.31	343.72		343.72		
*Tyler st. (north side)	Dane st.	Vine st.	Day labor	Sand	6.3	8	410.8					2	21.80	28	.22	.11	.03		.05	.51	208.82	155.69	53.13		
*Washington st.	Hanson st.	Beacon st.	Day labor	Hardpan and sand	13.9	18	319.0					1	47.90	11	2.21	.35	.15	.10	.06	3.02	962.80		962.80		
Watson st.	In Broadway		Patrick Burke	Rock and hardpan	7.5	8	42.0			54.7	2.40	1	33.75	16	.38	.16	.04	.04		1.40	298.06	122.81	175.25		
	Broadway	Near Fairmount ave.	Patrick Burke	Rock and hardpan	5.9	6	170.6																		
*Waverly st. and	Reg. chamber Roland st.	Washington st.	Day labor	Filling and sand	9.3	18	215.9	5	200	Con'cts with Metropolitan Sewer.			18	1.17	.15	.51	.17	.10	.01	2.08	3,229.75		3,229.75		
*Washington st. (south side)	Waverly st.	Franklin st.	Day labor	Filling and clay	11.6	15	1338.0					5	29.30	52											
Wyatt st.	Near Taunton st.	Southerly		Filling	5.8	10	12.0			Laid by private party.															
Wyatt st. and	End of above	Wyatt circle	Nicholas Leonard	Filling	6.4	10	77.7						3	.32	.26	.05			.63	49.12	101.41	.24			
*Wyatt circle	Wyatt st.	Westerly	Nicholas Leonard	Hardpan	6.7	8	76.9							6	.30	.20	.05	.13		.68	52.53				

Total length and cost of new sewers and drains built in 1902 16,497.1 (3.12 miles.) \$28,943.11 \$3,770.09 \$25,173.02

* Separate system sewers.

Total length of sewers built by the city, January 1, 1903 403,900.9 feet.
 Total length of private sewers in the city, January 1, 1903 33,247.0 feet.
 Total length of sewers in the city, January 1, 1903 437,147.9 feet, or 82.79 miles.
 Total length of storm drains in the city, January 1, 1903 22,881.1 feet, or 4.33 miles.
 Total length of the city drainage system, January 1, 1903 87.12 miles.

Plans and estimates have been made in conjunction with the city of Cambridge and the towns of Arlington and Belmont, for the improvement of Alewife brook on the northwesterly border of the city, for the purpose of better drainage of the low lands along the banks of the brook and to relieve the stagnation caused by the flat grade and action of the tide water from Mystic river.

It is proposed to construct automatic working tide gates at the junction of the brook with the river and to straighten and widen the channel and dredge the brook to a uniform grade; the total estimated cost for the entire work amounting to about \$10,000.00, and the legislature will have to first pass an act authorizing the making of this improvement.

While the storm drainage of the easterly and northwesterly sections of the city can be easily taken care of by outlets into Mystic river and Alewife brook, it is a perplexing question to find a means of disposing of storm water for the largest watershed area in the city, on the southerly and southeasterly side; there being no river or stream for an outlet, as the city borders on land of the city of Cambridge the entire distance.

At present there is but one outlet for storm water for this large area, extending for a half-mile through the city of Cambridge, finally discharging into Charles river, near Craigie bridge, and being of very little value to Somerville, the capacity of this drain being far too small.

A partial relief could be obtained by constructing a short and quick outlet into the head of Miller's river, at the East Cambridge line, extending easterly from Somerville avenue under the southern division of the Boston & Maine railroad to this tide water outlet. This proposed outlet would be of great benefit to the immediate section, now badly flooded in times of storms, and would save a large amount of private property now continuously flooded. Application has been made to the legislature for authority to construct this outlet, but as yet the city has been unsuccessful in obtaining permission.

Summary of Work. Sewers have been constructed as petitioned for in different sections of the city and portions of the cost assessed on estates benefited amounting to \$3,770.09. Two "separate system" sewer mains have been connected directly with the Metropolitan sewer.

Thirty-one sewers have been constructed during the year, a total length of 14,304.3 feet (2.71 miles) and six storm water drains, a length of 2,192.8 feet (0.42 mile). (See table of sewers.)

Total length of sewers in the city, 82.79 miles (16.88 miles being on the "separate system"), and the total length of storm drains 4.33 miles.

The entire length of the city's drainage system is over eighty-seven miles and the cost of construction has been about \$1,105,943.00.

Sixty-four new catch basins have been constructed during the year, at an average cost of \$51.51 per basin, making a total of 1,228 catch basins in the city for street drainage purposes.

The city's assessment for the Metropolitan system for the year was \$29,919.09 on construction and \$15,241.16 for maintenance. In the City Engineer's report for 1901 tables are given showing the total number of the city's connections with the Metropolitan Sewerage system and the total amounts paid the Commonwealth of Massachusetts for construction and maintenance of the North Metropolitan Sewerage system; and a table showing the length and cost of the "separate system" sewers built in Somerville and connected with this Metropolitan system.

Sewers Maintenance Account.

STATEMENT OF EXPENSES, 1902.

Maintenance of sewers, including repairing and cleaning	\$4,630 01	
Maintenance of catch basins, repairing and cleaning	4,313 14	
Changing line and grade and repairing manholes	212 60	
Changing line and grade of catch basins	257 16	
Inspection and location of house drains	212 50	
Rent of water course, between Mystic and Middlesex avenues	225 00	
New tools and supplies	220 90	
Repairs of tools and property	149 70	
Cleaning cellars flooded in times of storms	41 75	
Sundry expenses, car fares, telephones, etc.	51 74	
Maintenance of sewer department yards and buildings	250 39	
Materials on hand December 31, 1902, lumber	12 00	
Total		\$10,576 89

CREDIT.

Appropriation	\$10,500 00	
Boston Elevated Railway Company, changing line and grade manholes, Cross street	34 54	
Hose, rope, etc.	28 70	
Materials on hand December 31, 1901,—lumber, \$12.00, cement, \$1.00, bricks, \$4.88	17 88	
		\$10,581 12
Balance unexpended		\$4 23

TIDE GATES.



ON STORM DRAIN OUTLET.



Value of tools and property used in maintenance of sewers	\$1,130 72
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The maintenance of the city's drainage system, which includes all sewers, storm drains, and a net work of catch basins all over the city is probably as intricate a system as can be found in any city in the state and requires continuous labor in cleaning, flushing, repairing, etc., to be kept in working order.

About 6,400 cubic yards of material have been removed from catch basins and sewers during the past year, and about one hundred blow-off connections from the water mains opened and the sewers flushed. Fifty-six catch basins have been repaired, grade changed or rebuilt; forty-seven manholes, line or grade changed, and twenty-three sewers and storm drains repaired.

During the year three hundred and twenty-one permits have been issued to licensed drain layers for connecting buildings with the main sewers, twenty-six being for repairs; all of the work being done under the supervision of the city's inspector. There are about 12,300 private drain connections with the city's drainage system.

Two of the city's largest outlets for storm drainage are through the city of Cambridge into tide water; the one for the southeasterly section of the city, extending through East Cambridge and discharging into Charles river, was constructed many years ago, Somerville paying five-ninths of the cost for building this brick structure, and has paid five-ninths of the cost of maintenance of this outlet for nearly thirty years, under an act of the Legislature.

During the past year this outlet was cleaned and a section of the river dredged, Somerville's proportion of the expense amounting to nearly \$1,600.00. This act should be changed so that Somerville will not be compelled to pay more than her proportionate part, the prevailing conditions being far different from what existed many years ago, when the present act was passed.

PUBLIC GROUNDS DEPARTMENT.

This department covers a varied line of work, including the designing, laying out and constructing of new parks, boulevards and drives, athletic fields and smaller playgrounds, the care and maintenance of all the grounds after completion, the control of all the various athletic games on the different playgrounds, the purchasing of all supplies and a general supervision, at present, over sixteen separate parcels of land located in all parts of the city, amounting to about fifty-eight acres, and a boulevard one and one-third miles in length.

New Work. During the first part of the year arrangements were made whereby the city obtained, by purchase, the remaining land on Prospect Hill, about six-tenths of an acre, for park purposes and also land for a roadway, and the work of constructing the new park was commenced. A street has been laid out and constructed through the park and land purchased from the Vinal and Eberle estates, connecting Prospect Hill avenue with Stone avenue and making a direct line of communication with Union square.

The greater part of the unsightly hill along Munroe street has been removed, the street cut down, widened and graded the entire length and the park area graded. About eighteen thousand cubic yards of surplus material was taken to Lincoln Park and used for filling in the old clay pit. Heavy granite retaining walls have been constructed, the steep slopes loamed and grassed and walks built.

A section of the old original hill at its highest elevation, opposite Greenville street, has been left standing for a foundation on which a substantial granite structure is to be built and will be the highest accessible point in Somerville from which an unobstructed view may be obtained.

The addition of trees, shrubs, vines and flower beds, as shown by a planting plan, will eventually make this historical spot one of the finest pleasure parks in the vicinity.

Prospect Hill Park (2.6 Acres).

COST OF CONSTRUCTION, 1902.

Removing surplus material and grading slopes and new street in park	\$7,973 63
Removing surplus material in Munroe street (outside of park)	3,000 00
Constructing walks and seeding grounds	578 11
Building granite retaining walls on new street and Munroe street	4,229 03
Amount carried forward	\$15,780 77

VIEWS OF PROSPECT HILL PARK.



BEFORE GRADING.



AFTER GRADING.

Amount brought forward	\$15,780 77
Building blue stone retaining wall, south side park	591 82
Edgestone and concrete gutters, new street in park	515 67
Granolithic steps and walk	343 68
Iron fences and railings	718 75
Wooden fences	261 36
Water services	89 00
Tools and supplies	101 11
Engineering and inspection	185 00
	<hr/>
Total appropriation	\$18,587 16
	<hr/>
Balance	\$1 34

Land purchased, 1902, Prospect Hill Park:—	
Jones' estate, .6 acre land for park purposes	\$13,653 18
Vinal and Eberle estates, .1 acre land for roadway	3,495 60
Hutchings estate, taxes for 1901	139 92
	<hr/>
Total appropriation	\$17,288 70
	<hr/>
Balance	\$131 60

The new athletic field, situated on Broadway near Powder House square in West Somerville, leased to the city for a term of ten years by the trustees of Tufts College, has been suitably fenced and graded, a grand stand with a seating capacity of over fifteen hundred people erected and dressing rooms built, making one of the best athletic fields obtainable. During the year the field has been in constant use for baseball, football, and other athletic games.

Broadway Athletic Field, West Somerville (4.4 Acres).

COST OF CONSTRUCTION.

Grading field, labor and teams, rolling and seeding	\$900 50
Enclosing field with fence	941 10
Building seats	710 98
Building dressing rooms and tool house	387 00
Water supply and sanitary	256 62
Painting structures	49 85
	<hr/>
Total appropriation	\$3,246 05
	<hr/>
	3,246 05

Another ball field has been laid out and partially graded on what is known as the "City field" on land adjoining the Highway and Water Department stables and the remaining area at the corner of Broadway and Cedar street will soon be graded.

By a recent act of the Legislature the city has been given the authority to acquire within a specified time the ledge property on Clarendon Hill, West Somerville, for park purposes, over which

there has been much controversy in the past concerning blasting rights, and it now remains for the city to adopt some satisfactory means of developing this section of land. A plan was prepared about a year ago showing a proposed public street to be laid through this section with the ledge property converted into a pleasure park.

An appropriation of \$800.00 has been made for the purchase of land in the rear of the Glen street playgrounds for enlargement, but no satisfactory arrangements for acquiring this additional area have as yet been made.

The abandoned schoolhouse property at the corner of Joy and Poplar streets, an area of four-tenths of an acre, has been added to the Public Grounds Department, and will be laid out as a playground for this section.

Maintenance Account, 1902.

STATEMENT OF EXPENSES,

Broadway Park (15.9 acres):—			
Maintenance of grounds and general care			
of property	\$1,726	95	
Tools and supplies	122	18	
Repairing tools and property	49	44	
Plants, flowers, bulbs, etc.	213	19	
			<u>\$2,111 76</u>
Broadway Parkway (1.4 acres):—			
Maintenance of grounds	\$82	85	
Plants, flowers, etc.	90	00	
			<u>172 85</u>
Central Hill Park (13.1 acres):—			
Maintenance of grounds and general care			
of property	\$1,427	19	
Tools and supplies	97	91	
Repairing tools and property	16	90	
Plants, flowers, bulbs, etc.	494	60	
			<u>2,036 60</u>
Lincoln Park (8.3 acres):—			
Maintenance of grounds and general care			
of property	\$1,641	82	
Tools and supplies	73	00	
Repairing tools and property	112	71	
Plants, flowers, etc.	50	00	
			<u>1,877 53</u>
Tufts Park (4.5 acres):—			
Maintenance of grounds and general			
care of property	\$807	57	
Tools and supplies	68	05	
Repairing tools and property	25	20	
Plants, flowers, bulbs, etc.	200	00	
			<u>1,100 82</u>
Prospect Hill Park (2.6 acres):—			
Maintenance of grounds	\$286	17	
Tools and supplies	21	35	
			<u>307 52</u>
Amount carried forward			<u>\$7,607 08</u>



PROPOSED FOUNTAINS AND ROCKERY, CENTRAL HILL PARK.
(Wilson Memorial.)

Amount brought forward		\$7,607 08
Paul Revere Park:—		
Maintenance of grounds		31 00
Playgrounds, Glen street, corner Oliver street (0.9 acre):—		
Maintenance of grounds		48 10
Playgrounds, Webster avenue, near Cambridge line (0.2 acre):—		
Maintenance of grounds		22 00
Playgrounds, Somerville avenue, corner Kent street (0.8 acre):—		
Maintenance of grounds	\$86 00	
Repairing property	17 22	
		<hr/> 103 22
Grounds, Belmont street, near Summer street (0.4 acre):—		
Maintenance of grounds	\$130 30	
Tools and supplies	16 00	
Plants, flowers, bulbs, etc.	65 50	
		<hr/> 211 80
Playgrounds, College avenue, opposite Morrison street (0.4 acre):—		
Maintenance of grounds	\$52 69	
Supplies	21 40	
		<hr/> 74 09
Playgrounds, Broadway, corner Cedar street (4.2 acres):—		
Grading athletic field	\$325 59	
Maintenance of grounds	70 35	
		<hr/> 396 14
Playgrounds, Joy street, corner Poplar street (0.4 acre) (just acquired).		
Broadway Athletic Field, Tufts College land (4.4 acres):—		
Maintenance of grounds and care of property	\$660 12	
Tools and supplies	132 01	
		<hr/> 792 13
Somerville-avenue Cemetery (0.7 acre):—		
Maintenance of grounds	\$56 75	
Repairs of property	57 15	
		<hr/> 113 90
Powder House Boulevard (1 1-3 miles long):—		
Maintenance of roadway and walks		140 50
Incidentals		39 50
		<hr/> \$9,579 46
Total expenditure (58.2 acres, 1 1-3 miles boulevard) .		
Appropriation	\$9,500 00	
Credit amount received from other departments	109 95	
		<hr/> \$9,609 95
Balance unexpended		\$30 49
Value of tools and property used in maintenance of grounds	\$1,500 00	

The principal parks and grounds have had the usual display of plants and flowers in their seasons and the skating fields kept in condition during the winter. Brown-tail moth nests were removed from trees on all of the grounds early in the year.

At Lincoln Park a large portion of the old Wyatt's clay pit has been filled, so that a two hundred and twenty yard straight-away running track can be constructed. This park is principally devoted to athletics, there being a first-class outdoors' gymnasium, ball field and bicycle track.

Public tennis courts have been laid out and constructed on the College avenue playgrounds, opposite Morrison avenue.

The Powder House boulevard has been in constant use, it being the shortest route through Somerville to the Mystic Valley boulevard of the Metropolitan system, and should be taken and maintained by the state, as it will be practically a part of the system when the present Metropolitan driveway is constructed southerly along Mystic river.

Twenty-five hundred dollars has been turned over to the Public Grounds Department, which was left to the city by the will of Joseph F. Wilson. It has been decided to use this money in the building of a rockery and basin, around which a number of drinking fountains will be placed and constructed so that it may be illuminated when desired; this structure to be erected on Central Hill Park, in front of the "Battery" on Highland avenue.

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 locations and names of public squares in the city.

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
Adams	Broadway	Medford st.	Public.	40	900	....
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.	Southwesterly . . .	Private.	30	....	670
Alpine	Alpine st.	Lowell st.	Public.	40	688	....
Alston	Cross st.	Shawmut pl.	Public.	40	567	....
Ames	Bartlett st.	Robinson st.	Public.	40	580	....
Appian way	Talbot ave.	Professors row . . .	Private.	60	....	250
Appleton	Willow ave.	Clifton st.	Public.	40	510	....
Appleton	Clifton st.	Liberty ave.	Private.	40	....	120
Arlington	Franklin st.	Lincoln st.	Public.	40	440	....
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.	Northeasterly . . .	Private.	40	....	705
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	680	....
Autumn	Broadway	Bonair st.	Private.	20	....	420
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. . . .	Asylum grounds . .	Private.	20	...	200
Barton	Broadway	Russell road.	Private.	40	....	382
Bay State ave.	Broadway	Fosket st.	Private.	40	....	1,197
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	6,100	....
Beacon ter.	Somerville ave. . . .	Northeasterly . . .	Private.	24	....	110
Bean's ct.	Cutter st.	Southeasterly . . .	Private.	16	....	100
Beckwith cir.	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	2,175	....
Belmont pl.	Belmont st.	Southeasterly . . .	Private.	25	....	175
Benedict ave.	Broadway	Benedict st.	Private.	20	....	200
Benedict	Union st.	Austin st.	Public.	40	600	....
Bennett ct.	Bennett st.	Prospect st.	Private.	10	....	100
Bennett	Prospect st.	Bennett ct.	Private.	40 to 25	....	400
Benton road	Summer st.	Hudson st.	Public.	40	1,208	....
Berkeley	School st.	Central st.	Public.	40	1,360	....
Berwick	Lawrence st.	Northwesterly . . .	Private.	20	....	170
Bigelow	Boston st.	Munroe st.	Public.	50	208	....
Billingham	Broadway	William st.	Public.	40	563	....
Bishop's pl.	Glen st.	Easterly	Private.	10	....	75
Blakeley ave.	Winthrop ave.	Cross st.	Private.	40	....	630
Bleachery ct.	Somerville ave. . . .	Fitchburg R. R. . . .	Private.	30	....	450
Bolton	Oak st.	Houghton st.	Public.	40	476	....
Bonair	Cross st.	Walnut st.	Public.	40	1,470	....
Bond	Broadway	Jaques st.	Public.	40	640	....
Bonner ave.	Washington st.	Columbus ave. . . .	Public.	40	450	....

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.
Boston ave. . . .	Medford line . . .	Mystic river . . .	Public.	60	910	....
Boston ave. . . .	Broadway	Medford line . . .	Public.	50	80	....
Boston ave. . . .	Broadway	Highland road . .	Private.	65	....	290
Boston ave. . . .	Highland road . .	Easterly angle . .	Private.	50	....	655
Boston ave. . . .	Angle southerly . .	Morrison ave. . . .	Private.	40	....	1,025
Boston	Washington st. . .	Prospect Hill ave.	Public.	45	630	....
Boston	Prospect Hill av.	Walnut st.	Public.	40	1,250	....
Bow	Union sq.	Wesley sq.	Public.	60	600	....
Bow	Wesley sq.	Somerville ave. . .	Public.	50	500	....
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.	Professors row . .	Private.	40	....	1,260
Brook	Glen st.	Cross st.	Public.	40	500	....
Browning road . .	Sycamore st. . . .	Central st.	Public.	40	679	....
Buckingham . . .	Beacon st.	Dimick st.	Public.	40	300	....
Burnside ave. . .	Elm st.	Summer st.	Public.	40	720	....
Caldwell pl. . . .	Washington st. . .	Southerly	Private.	20	....	210
Calvin	Beacon st.	Dimick st.	Private.	40	....	250
Calvin	Dimick st.	Washington st. . .	Private.	30	....	395
Cambria	Central st.	Benton road	Public.	40	488	....
Cameron ave. . . .	Holland st.	Cambridge line . .	Public.	60	1,000	....
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	4,150	....
Central	Somerville ave. . .	Summer st.	Public.	33	1,150	....
Central	Summer st.	Medford st.	Public.	40	2,480	....
Central	Medford st.	Broadway	Public.	45	1,070	....
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. . .	Passageway	Public.	39	166	....
Charlestown . . .	Allen st.	Easterly	Private.	15	....	400
Charnwood road . .	Willow ave.	Hancock st.	Public.	40	589	....
Chauncey ave. . .	(Fellsway)	Mystic ave.	Public.	50	1,320	....
*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	850	....
Chester ave. . . .	Medford st.	Angle	Public.	about 22	220	....
Chester ave. . . .	Angle	Cross st.	Private.	20	....	445
Chester pl.	Chester st.	Northwesterly . .	Private.	40	....	200
Chestnut	Poplar st.	Southeasterly . .	Private.	40	....	540
Church	Summer st.	Somerville ave. . .	Public.	40	560	....
Church (south) . .	Somerville ave. . .	Lake st.	Public.	40	340	....

* 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.
Church St. pl.	Church st. (south)	Northwesterly . .	Private.	25	....	170
Claremon . . .	Holland st. . . .	Mead st.	Public.	40	560	....
Clarendon ave	Broadway	Cambridge line . .	Private.	40	....	1,210
Clark	Newton st. . . .	Lincoln parkway . .	Private.	35	....	545
Cleveland . . .	Central st. . . .	Elm pl.	Private.	40	....	270
Clifton	Appleton st. . . .	Morrison ave. . . .	Public.	40	240	....
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	1,352	....
Concord ave. . .	Prospect st. . . .	Leon st.	Public.	40	1,500	....
Concord ave. . .	Leon st.	Beacon st.	Private.	30	....	470
Congress pl. . .	Linwood st. . . .	Southwesterly . .	Private.	16	....	200
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.	26	....	220
Cottage ave. . .	Russell st.	Chester st.	Public.	40	500	....
Cottage circle .	Cottage ave	Southwesterly . .	Private.	25	....	87
Cottage pl. . . .	Washington st. . . .	Northwesterly . .	Private.	about 11	....	150
Craigie	Somerville ave. . . .	Summer st.	Public.	50	1,250	....
Crescent	Washington st. . . .	Pearl st.	Private.	30 to 38	....	650
Crocker	Highland ave. . . .	Crown st.	Public.	40	524	....
Cross	Medford st.	Broadway	Public.	45	2,650	....
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.	Northwesterly . .	Private.	40	....	700
Curtis	Broadway	Medford line . . .	Public.	40	2,300	....
Cutler	Lawrence st.	Northwesterly . .	Private.	20	....	170
Cutter ave. . . .	Summer st.	Highland ave. . . .	Public.	40	430	....
Cutter pk. . . .	Cutter ave.	Northwesterly . .	Private.	12	....	83
Cutter	Broadway	Webster st.	Public.	40	740	....
Cypress	Central st.	Beech st.	Public.	40	262	....
Dana	Bonair st.	Pearl st.	Public.	40	690	....
Dane	Somerville ave. . . .	Washington st. . . .	Public.	40	1,270	....
Dane ave.	Dane st.	Leland st.	Private.	30	....	600
Dartmouth	Medford st.	Broadway	Public.	40	1,450	....
Day	Elm st.	Cambridge line . . .	Public.	40	941	....
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	940	....
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.	Private.	40	....	450
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 pl. . . .	Highland ave.	Southwesterly	Private.	40	....	300
*Edgeworth . . .	Mystic ave.	Melrose st.	Private.	50	....	1,380
Edmands	Broadway	to near Bonair st. . .	Public.	40	376	....
Edmonton ave. .	Cross st.	Winthrop ave. . . .	Private.	40	....	630
Electric ave. . .	Curtis st.	Packard ave.	Public.	40	681	....
Eliot	Vine st.	Park st.	Public.	40	260	....

* 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.
Ellington road . . .	Highland ave. . .	Northeasterly . .	Private.	35	....	120
Ellington road . . .	West st.	Northwesterly . .	Private.	30	....	405
Ellsworth	Cross st.	Rush st.	Public.	40	210	....
Elm ct.	Villa ave.	Northwesterly . .	Private.	18	....	70
Ellmpl.	Harvard st. . . .	Easterly & west'y	Private.	30	....	400
Elm	Somerville ave. .	Cherry st.	Public.	63	1,590	....
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	1,420	....
Elmwood	Holland st.	Cambridge line . .	Public.	40	1,057	....
Elmwood ter.	Elmwood st. . . .	Easterly	Private.	2'	....	190
Elston	Elm st.	Summer st.	Public.	4'	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.	4'	232	....
Eustis	Beacon st.	Southwest	Private.	30	....	150
Everett ave.	Cross st.	Dana st.	Public.	40	800	....
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
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)	Private.	40	....	840
Fellsway	Mystic ave.	Medford line	Public.	70 to 130	2,500	....
Fenwick	Broadway	Jaques st.	Public.	40	601	....
Fisk ave.	Hinckley st.	Lowell st.	Private.	20 & 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	1,773	....
Florence	Washington st. . . .	Perkins st.	Public.	40	1,280	....
Florence ter.	Jaques st.	Southwesterly . . .	Private.	20	....	90
Forest	Beacon st.	Cambridge line . . .	Public.	40	150	....
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.	Private.	30	....	180
Franklin ave.	Washington st. . . .	Franklin st.	Private.	20	....	500
Franklin pl.	Franklin st.	Southeasterly	Private.	15	....	100
Franklin	Broadway	Washington st. . . .	Public.	40+	2,230	....
Frederick ave.	Willow ave.	Boston ave.	Private.	40	....	1,217
Fremont ave.	Bowdoin st.	Lincoln pk.	Private.	30	....	235
Fremont	Main st.	Meacham st.	Public.	40	612	....
Fremont	Meacham st.	Near Mystic ave. . .	Private.	40	....	785
Frost ave.	Somerville ave. . . .	Dane st.	Private.	35	....	550
Garden ct.	Somerville ave. . . .	Fitchburg R. R. . . .	Private.	25	....	370
Garfield ave.	Broadway	Middlesex ave. . . .	Private.	40	....	1,430
Garrison ave.	Broadway	Woodstock st.(Ext'n)	Private.	40	....	850
George	Broadway	Lincoln ave.	Public.	30	275	....
Gibbens	Central st.	Benton road	Public.	40	492	....
Gibbens	Benton rd.	Northwesterly	Private.	40	....	133
Giles pl.	Walnut st.	Northwesterly	Private.	32.71	....	168
Gil'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	2,300	....
Glendale ave.	Cameron ave.	Yorktown st.	Private.	40	....	410
Glover circle	Meacham road	Southeasterly	Private.	20	....	110

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.
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	470	....
Granite	Somerville ave.	Osgood st. . . .	Private.	40	....	400
Grant	Broadway	Jaques st. . . .	Public.	40	536	....
Grant	Jaques st. . . .	Mystic ave. . . .	Private.	40	....	814
Greene	Summer st. . . .	Laurel st. . . .	Public.	40	555	....
Greenville	Medford st. . . .	Munroe st. . . .	Public.	40	660	....
Greenwood ter.	Beacon st. . . .	Northeasterly	Private	25	....	165
Grove	Elm st. . . .	Morrison ave. . . .	Public.	40	985	....
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. . . .	Southwesterly	Private.	30	....	400
Hammond	Dickinson st. . . .	Concord ave. . . .	Public.	40	267	....
Hancock	Elm st. . . .	Highland ave. . . .	Public.	40	1,302	....
Hancock	Highland ave. . . .	Lexington ave. . . .	Public.	50	376	....
Hanson ave. . . .	Hanson st. . . .	Easterly	Private.	30	....	252
Hanson	Washington st. . . .	Vine st. . . .	Private.	35	....	750
Harding	South st. . . .	Cambridge line	Private.	30	....	115
Harris	Beacon st. . . .	Cambridge line	Private.	35	....	150
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	656	....
Hathorn	Broadway	Arlington st. . . .	Public.	40	330	....
Hawkins	Somerville ave. . . .	Washington st. . . .	Public.	40	330	....
Hawthorne	Willow ave	Cutter ave. . . .	Private.	30	....	810
Hayden ter. . . .	Linden ave. . . .	Easterly	Private.	20	....	120
Heath	Temple st. . . .	Bond st. . . .	Public.	45	1,043	....
Heath	Bond st. . . .	Moreland st. . . .	Private.	40	....	750
Henderson	Richardson st. . . .	B. & L. R. R. . . .	Private.	20	....	535
Hennessy ct. . . .	Medford st. . . .	Fisk ave. . . .	Private.	20	....	250
Henry ave. . . .	Highland ave. . . .	Lexington ave. . . .	Public.	40	290	....
Herbert	Chester st. . . .	Day st. . . .	Public.	40	360	....
Hersey	Berkeley st. . . .	Oxford st. . . .	Private.	40	....	230
Highland ave. . . .	Medford st. . . .	Davis sq. . . .	Public.	60	9,100	....
Highland rd. . . .	Morrison ave. . . .	Boston ave. . . .	Private.	70	....	1,500
Hill	Broadway	Fairmount ave. . . .	Private.	40	....	236
Hillside ave. . . .	Pearl st. . . .	Southwesterly	Private.	30	....	150
Hillside pk. . . .	Walnut st. . . .	Northwesterly	Private.	40	....	245
Hinckley	Broadway	Lawrence st. . . .	Private.	30	....	430
Hodgdon pl. . . .	Dane ave. . . .	Northeasterly	Private.	about 20	....	150
Holland	Davis sq. . . .	Broadway	Public.	60	2,650	....
Holt's ave. . . .	Oak st. . . .	Southeasterly	Private.	10	....	100
Holyoke road	Elm st. . . .	Elm st. . . .	Private.	40	....	640
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	Private.	40	....	430
Howard	Whipple st. . . .	Willow ave. . . .	Private.	30	....	255
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	650	....
James	Pearl st. . . .	Veazie st. . . .	Public.	40	320	....
Jaques	Chauncey ave. . . .	Temple st. . . .	Public.	40	1,200	....
Jaques	Temple st. . . .	Bond st. . . .	Public.	45	1,050	....
Jasper pl. . . .	Jasper st. . . .	Walnut st. . . .	Private.	20	....	225
Jasper	Pearl st. . . .	Gilman st. . . .	Private.	40	....	300
Jay	Holland st. . . .	Howard st. . . .	Public.	40	534	....

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.
Jenny Lind ave. . . .	Vernon st. . . .	Broadway	Public.	40	1,507	....
Jerome ct.	Sycamore st. . . .	Jerome st. . . .	Private.	10	...	150
Jerome	Montrose st. . . .	Jerome ct. . . .	Private.	20	....	125
Joseph	Newton st. . . .	Lincoln parkway .	Public.	40	458	....
Josephine ave. . . .	Morrison ave. . .	Broadway	Private.	45	....	1,715
Joy	Washington st. . .	Poplar st. . . .	Public.	30	1,121	....
Joy St. pl.	Joy st.	Southwesterly . .	Private.	30	....	175
Kenneson road	Broadway	Southwesterly . .	Private.	30	....	270
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. . . .	Liberty ave. . . .	Public.	40	625	....
Kidder ave.	Liberty ave. . . .	Willow ave. . . .	Private.	40	....	655
Kilby	Somerville ave. . .	Southwesterly . .	Private.	20	....	180
Kimball	Lowell st.	Craigie st. . . .	Private.	40	....	303
Kingman ct.	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	Oliver st.	Tufts st.	Private.	40	....	925
Lake	Hawkins st. . . .	Church st. . . .	Public.	40	860	....
Lamson ct.	Linwood st. . . .	Poplar st. . . .	Private.	20	....	370
Landers	School st.	Westerly	Private.	40	....	280
Laurel ave.	Laurel st.	Northwesterly . .	Private.	18	....	125
Laurel	Somerville ave. . .	Summer st. . . .	Public.	40	940	....
Lawrence	Hinckley st. . . .	B. & L. R. R. . .	Private.	35	....	650
Lawrence	Boston ave. . . .	Southwesterly . .	Private.	35	....	710
Lawson ter.	Putnam st. . . .	Easterly	Private.	5	....	200
Lee	Medford st. . . .	Richdale ave. . .	Public.	40	385	....
Leland	Washington st. . .	Dane ave. . . .	Private.	40	....	250
Leon	Concord ave. . . .	Dickinson st. . .	Public.	40	155	....
Leonard pl.	Joy st.	Northeasterly . .	Private.	13+	....	98
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. . . .	Private.	50	....	630
*Lexington ave. . . .	Hancock st. . . .	Cedar st.	Private.	50	....	730
Liberty ave.	Hall ave.	Broadway	Public.	40	1,395	....
Liberty ave.	Hall ave.	Appleton st. . . .	Private.	40	....	100
Lincoln ave.	Lincoln st. . . .	Mt. Vernon st. . .	Public.	40	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	1,050	....
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. . .	Fitchburg R. R. . .	Private.	30	....	705
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	2,050	....
London	Linwood st. . . .	B. & L. R. R. . .	Private.	40	....	340
Loring	Somerville ave. . .	Northeasterly . .	Private.	40	....	400
Louisburg pl.	Autumn st. . . .	Easterly	Private.	13	....	90
Lovell	Broadway	Electric ave. . . .	Private.	40	....	385
Lowden ave.	Broadway	Fosket st. . . .	Private.	40	....	1,205
Lowell	Somerville ave. . .	Summer st. . . .	Public.	36	1,259	....
Lowell	Summer st. . . .	Crown st. . . .	Private.	33+	....	349
Lowell	Crown st. . . .	Albion st. . . .	Public.	40	972	....
Lowell	Albion st. . . .	L. & A. Br'ch R R.	Private.	40	....	540
Lowell	B. & L. R. R. . .	Vernon st. . . .	Private.	33+	....	60

* 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.
Lowell	Vernon st. . . .	Medford st. . . .	Public.	40	1,141	....
Lowell ter. . . .	Lowell st. . . .	Northwesterly . . .	Private.	20	....	150
Madison	School st. . . .	Sycamore st. . . .	Public.	40	891	....
Main	Broadway	Medford line	Public.	50	950	....
*Malden	Mystic ave. . . .	Melrose st. . . .	Private.	50	....	1,360
Mallet	Willow ave. . . .	Liberty ave. . . .	Private.	40	....	580
Malloy ct. . . .	Somerville ave. . .	Merriam st. . . .	Private.	30	....	255
Malvern ave. . . .	Cameron ave. . . .	Yorktown st. . . .	Private.	40	....	410
Manila road	Beacon st. . . .	Sacramento st. . . .	Private.	40	....	408
Mansfie'd	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	....
Marion	Concord ave. . . .	Wyatt st. N'w'ly . .	Public.	40	705	....
Marshall	Broadway	Pearl st. . . .	Public.	40	1,650	....
May pl. . . .	Hawkins st. . . .	Easterly	Private.	12	....	100
McCulpe pl. . . .	Medford st. . . .	Easterly	Private.	10	....	110
McGregor ave. . . .	Wigglesworth st. . .	Walnut st. . . .	Private.	about 10	....	250
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	8,150	....
Medford	Central st. . . .	Broadway	Public.	55	1,950	....
Melburn pl. . . .	Summer st. . . .	Northeasterly . . .	Private.	30	....	125
Melledew ct. . . .	Belmont st. . . .	Easterly	Private.	15	....	137
Melrose	Mystic ave. . . .	Middlesex ave. . . .	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. . .	Private.	30	....	500
Middlesex ave. . . .	Mystic ave. . . .	Fellsway	Public.	60	2,250	....
Milk pl. . . .	Somerville ave. . . .	Southwesterly . . .	Private.	about 30	....	100
Miller	Sacramento st. . . .	Beacon st. . . .	Private.	33	....	465
Milton	Orchard st. . . .	Cambridge line . . .	Private.	35	....	220
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. . . .	Private.	40	....	1,513
Morgan	Beacon st. . . .	Park st. . . .	Public.	40	350	....
Morrison ave. . . .	Cedar st. . . .	Willow ave. . . .	Public.	50	1,366	....
Morrison ave. . . .	Willow ave. . . .	College ave. . . .	Public.	40	1,700	....
Morrison pl. . . .	Morrison ave. . . .	Northerly	Private.	20	....	190
Morrison pl. . . .	Morrison pl. . . .	Easterly	Private.	15	....	175
Mortimer pl. . . .	Marshall st. . . .	Walter st. . . .	Private.	20	....	280
Morton	Glen st. . . .	Knowlton st. . . .	Public.	40	287	....
Mossland	Somerville ave. . . .	Elm st. . . .	Public.	40	350	....
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	570	....
Mt. Vernon ave. . . .	Main st. . . .	Meacham st. . . .	Private.	50	....	800
Mt. Vernon	Washington st. . . .	Pearl st. . . .	Public.	40	600	....
Mt. Vernon	Pearl st. . . .	Perkins st. . . .	Public.	50	450	....
Mt. Vernon	Perkins st. . . .	Broadway	Public.	40	600	....
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	1,400	....
Mystic ave. . . .	Charlestown line . .	Union st. . . .	Public.	60	350	....

* 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.
Mystic ave.	Union st.	Medford line . . .	Public.	66	6,900	....
Mystic	Washington st. . .	Somerville ave. . .	Public.	40	360	....
Mystic	Benedict st.	Mystic ave.	Private.	40	....	330
Nashua	Richardson st. . .	B. & L. R. R. . . .	Private.	35	....	640
Nevada ave.	Village st.	Hanson st.	Private.	20	....	200
Newberne	Appleton st. . . .	Morrison ave. . . .	Public.	40	200	....
Newberne	Morrison ave. . . .	B. & L. R. R. . . .	Private.	40	....	173
Newbury	Holland st.	Cambridge line . . .	Public.	40	1,250	....
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+	650	....
Norfolk	Webster ave.	Cambridge line . . .	Public.	40	200	....
North	Broadway	Medford line	Public.	40	2,550	....
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	670	....
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.	Southeasterly . . .	Private.	25	....	155
Olive sq.	Lake st.	Southerly	Private.	about 15	....	100
Oliver	Franklin st.	Cross st.	Public.	40	1,050	....
Orchard	Cambridge line . . .	Meacham road . . .	Public.	40	1,625	....
Osgood	Granite st.	Easterly & west'ly	Private.	40	....	450
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	Medford line	Private.	60	....	2,000
Palmer ave.	Franklin st.	Northwesterly . . .	Private.	20	....	200
Park ave.	College ave.	Wallace st.	Public.	40	450	....
Park pl.	Laurel st.	Easterly	Private.	30	....	220
Park pl.	Park pl.	Northeasterly . . .	Private.	20	....	150
Park	Somerville ave. . .	Beacon st.	Public.	50	1,300	....
Parker pl.	Porter st.	Northwesterly . . .	Private.	20	....	150
Parker	Washington st. . . .	Fremont ave.	Private.	35	....	200
Partridge ave.	Vernon st.	Broadway	Public.	40	1,457	....
Patten ct.	Cutter st.	Southeasterly . . .	Private.	8	....	100
Paulina	Broadway	Holland st.	Private.	40	....	775
Pearl	Crescent st.	Mt. Vernon st. . . .	Public.	40	300	....
Pearl	Mt. Vernon st. . . .	Franklin st.	Public.	50	950	....
Pearl	Franklin st.	Cross st.	Public.	40	1,025	....
Pearl	Cross st.	Medford st.	Public.	50	2,475	....
Pearl St. pl.	Pearl st.	Northeasterly . . .	Private.	20	....	200
Pearl ter.	Pearl st.	Northerly	Private.	23	....	161
Pearson ave.	Morrison ave. . . .	Boston ave.	Private.	45	....	1,300
Pearson road	Broadway	Professors row . . .	Private.	40	....	1,654
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	1,350	....
Perry	Washington st. . . .	Lincoln parkway . . .	Public.	40	606	....
Peterson ter.	Porter st.	Northwesterly . . .	Private.	13+	....	155
Pinckney pl.	Pinckney st.	Southeasterly . . .	Private.	24	....	125
Pinckney	Washington st. . . .	Perkins st.	Public.	40	1,170	....
Pitman	Beech st.	Spring st.	Private.	30	....	380
Pitman	Spring st.	Belmont st.	Private.	26	....	390
Pleasant ave.	Walnut st.	Vinal ave.	Public.	40	470	....
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

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.
Porter pl.	Porter st.	Northwesterly . . .	Private.	20	....	195
Porter	Elm st.	Mountain ave. . . .	Public.	45	1,530	....
Porter	Mountain ave. . . .	Highland ave. . . .	Public.	40	425	....
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	....
Prescott	Summer st.	Highland ave.	Public.	50	1,050	....
Preston road	School st.	Summer st.	Public.	40	800	....
Princeton	Alpine st.	Lowell st.	Private.	40	657	....
Princeton	Lowell st.	Centre st.	Public.	40	....	540
Pritchard ave. . . .	Morrison ave. . . .	Boston ave.	Private.	40	....	1,145
Professors row	Boston ave.	College ave.	Private.	50	....	460
Professors row	College ave.	Curtis st.	Public.	40	2,000	....
Prospect	Washington st. . . .	Cambridge line . . .	Public.	50	2,050	....
Prospect Hill av.	Medford st.	Munroe st.	Public.	40	450	....
Prospect Hill p'k'y	Munroe st.	Stone ave.	Public.	40	400	....
Prospect pl.	Prospect st.	E. Newton st.	Private.	20	....	130
Putnam	Summer st.	Highland ave. . . .	Public.	50	1,240	....
Quincy	Somerville ave. . . .	Summer st.	Public.	40	700	....
Randolph pl.	Cross st.	Westerly	Private.	15	....	244
Raymond ave.	Curtis st.	North st.	Public.	40	1,345	....
Record's pl.	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.	Private.	35	....	480
Richardson ter. . . .	Richardson st. . . .	Northeasterly	Private.	20	....	135
Richdale ave.	School st.	Sycamore st.	Public.	40	875	....
Richmond hi'h'ds	Madison st.	Southerly	Private.	30	....	150
Roberts	Lawrence st.	Northwesterly . . .	Private.	20	....	170
Robinson	Central st.	Bartlett st.	Public.	40	582	....
Rogers ave.	Morrison ave. . . .	Boston ave.	Public.	40	1,682	....
Roland st.	Waverly st.	Boston line	Private.	40	....	100
Roseland	Beacon st.	Cambridge line . . .	Public.	40	100	....
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	....
Sargent ave.	Broadway	Walnut st.	Public.	40	1,082	....
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	1,870	....
School	Highland ave.	Broadway	Public.	50	2,500	....
Sellon pl.	Marshall st.	Northwesterly . . .	Private.	12	....	120
Seven Pines ave . . .	Cameron ave.	Cambridge line . . .	Private.	40	....	80
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	550	....
Shedd	Somerville ave. . . .	Merriam ave.	Private.	40	....	310
Sherman ct.	Sargent ave.	Marshall st.	Private.	10	....	250
Sherman	Somerville ave. . . .	Frost ave.	Private.	35	....	270
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.	Durham st.	Private.	30	....	720
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

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.
Snow ter.	Jaques st.	Southwesterly . . .	Private.	16	....	120
Somerville ave. . .	E. Camb. line . . .	Union sq.	Public.	75	4,300	....
Somerville ave. . .	Union sq.	N. Camb. line . . .	Public.	70	6,800	....
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	1,200	....
Springfield	Concord ave. . . .	Cambridge line . . .	Public.	40	800	....
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	....
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	7,700	....
Summit ave.	Walnut st.	Vinal ave.	Public.	45	470	....
Summit	College ave.	Billingham st. . . .	Public.	40	262	....
Summer	Lawrence st.	Northwesterly . . .	Private.	20	....	175
Sunnyside ave. . . .	Walnut st.	Wigglesworth st. . .	Private.	35	....	250
Sycamore	Broadway	Medford st.	Public.	45	1,250	....
Sycamore	Medford st.	B. & L. R. R. . . .	Public.	40	582	....
Sycamore	B. & L. R. R. . . .	Highland ave.	Public.	35	660	....
Sydney	Grant st.	Temple st.	Public.	40	679	....
Talbot ave.	Packard ave.	College ave.	Private.	50	....	1,409
* Tannery (Ext'n)	Cambridge line . . .	Woodstock st.(Ext'n)	Private.	40	....	160
Taunton.	Wyatt st.	Easterly to angle . .	Private.	30	....	170
Taunton	Angle	Marion st.	Private.	20	....	95
Taylor pl.	Somerville ave. . . .	Southerly	Private.	15	....	200
Taylor	Mystic ave.	Sydney st.	Private.	40	....	310
Teele	Packard ave.	Curtis st.	Private.	40	....	685
Temple	Broadway	Mystic ave.	Public.	66	1,540	....
Tenney ct.	Mystic ave.	Northeasterly . . .	Private.	30	....	400
Tennyson	Forster st.	Pembroke st.	Public.	40	869	....
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 . . .	Private.	30	....	450
Thurston	Broadway	Richdale ave.	Public.	40	1,660	....
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
Tube Works ct. . . .	Somerville ave. . . .	Southwesterly . . .	Private.	20	....	150
Tufts parkway	College ave.	College ave.	Public.	22	900	....
Tufts	Washington st. . . .	Cross st.	Public.	40	940	....
Tyler	Vine st.	Dane st.	Public.	40	404	....
Unnamed st.	Ware st.	Powder h'se blvd. . .	Private.	20-40	....	283
Unnamed st. (Highway and Water Dept. grounds)	Broadway	Cedar st.	Private.	45	....	980
Union	Broadway	Mystic ave.	Public.	40	330	....
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.	Northwesterly . . .	Private.	40	....	90
Vernon	Central st.	Jenny Lind ave. . . .	Public.	40	740	....
Vernon	Jenny Lind ave. . . .	Lowell st.	Private.	30	....	600
Victoria	Broadway	Cambridge line . . .	Private.	40	....	1,036
Villa ave.	Winslow ave.	Arlington Br. R. R. . .	Private.	35	....	200

*Proposed.

Table Showing the Location, Length and Width of Public and Private Streets. — Continued.

STREET.	FROM	TO	Public or Private.	Width in Feet.	LENGTH.	
					Public.	Private.
Village	Dane st. . . .	Vine st. . . .	Private.	25	....	370
Vinal ave. . . .	Summer st. . . .	Highland ave. . . .	Public.	45	1,400	....
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. . . .	Private.	25	....	650
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	....
Wallace	Holland st. . . .	Broadway	Public.	40	1,350	....
Walnut	Bow st. . . .	Broadway	Public.	40	3,830	....
Walter pl. . . .	Walter st. . . .	Southwesterly	Private.	40	....	222
Walter	Walnut st. . . .	{ about 100 ft. N. } { of Bradley st. }	Public.	40	548	....
Ward	Medford st. . . .	Earle st. . . .	Private.	30	....	610
Ware	Curtis st. . . .	Northwesterly	Private.	40	....	700
Warner	Powder House sq. . . .	Medford line	Public.	60	500	....
Warren ave. . . .	Union sq. . . .	Columbus ave. . . .	Public.	40	650	....
Warren	Medford st. . . .	Cambridge line	Private.	30	....	100
Warwick place	Warwick st. . . .	Northeasterly	Private.	15	....	150
Warwick	Cedar st. . . .	Warwick pl. . . .	Public.	40	655	....
Washington ave. . . .	Washington st. . . .	Northerly	Private.	18	....	350
Washington	Charlest'n line	Franklin ave. . . .	Public.	75	1,060	....
Washington	Franklin ave. . . .	Fitchburg R. R. . . .	Public.	60 to 100	3,870	....
Washington	Fitchburg R. R. . . .	Cambridge line	Public.	60	2,380	....
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	1,950	....
Webster	Franklin st. . . .	Cross st. . . .	Public.	40	1,000	....
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. . . .	Arlington Br. R. R. . . .	Private.	30	....	460
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	Jaques st. . . .	Public.	40	495	....
Wheatland	Jaques st. . . .	Mystic ave. . . .	Private.	40	....	855
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
Wigglesworth	Bonair st. . . .	Pearl st. . . .	Public.	40	740	....
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	3,440	....
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	1,086	....
Winter	College ave. . . .	Holland st. . . .	Public.	30	402	....
Winter Hill cir. . . .	Broadway	Northeasterly	Private.	25	....	177
Winthrop ave. . . . (Fellsway.)	Broadway	Mystic ave. . . .	Public.	50	1,170	....

†Sidewalk in Somerville.

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.
Winthrop ave. (Extension.) . . .	Mystic ave. . . .	Middlesex 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	{ 100 ft. north of } { Malvern ave. }	Cambridge line . . .	Private.	40	....	548

*Proposed.

Court	16 Craigie st. . . .	Westerly	Private.	25	....	126
Court	26 Craigie st. . . .	Westerly	Private.	25	....	126
Court	36 Craigie st. . . .	Westerly	Private.	25	....	126
Court	292 Broadway	Southwesterly . . .	Private.	15	....	96
Court	58 Dane st.	Easterly	Private.	10	....	70
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
Court	21 Albion st.	Northeasterly . . .	Private.	10	....	100
Court	227 Columbia st. . .	Northwesterly . . .	Private.	10	....	117
Court	11 Albion st.	Northeasterly . . .	Private.	9	....	170
Court	20 Dimick st.	Southwesterly . . .	Private.	39.25	....	136
Court	255 Wash'gt'n st. . .	Northwesterly . . .	Private.	30	....	176
Court	612 Broadway	Southwesterly . . .	Private.	20	....	188
Total . . . . .	. . . . .	. . . . .	. . . . .	. . . . .	349,275	139,220

Public, 66.150 miles (includes 2.843 miles boulevards); private, 26.367 miles.

Total length of streets in the city, 92.517 miles.



REMOVING BROWN-TAIL MOTHS.

REPORT OF THE STREET COMMISSIONER.

OFFICE OF THE STREET COMMISSIONER, }
January 1, 1903. }

To His Honor, the Mayor, and the Board of Aldermen:—

Gentlemen,—I most respectfully submit to you the following annual report of the work of the Highway Department during the year 1902:—

Of the streets laid out and constructed, as stated in the tables at the end of this report, two deserve special mention, namely, Stone-avenue extension and Munroe street.

The former has been constructed from Columbus avenue to Prospect Hill Park, affording, with the drive which winds through the park, a direct avenue from Union square to East Somerville, by way of Prospect Hill avenue and Cross street.

Ever since the reduction of the general level of Prospect Hill, which was made some thirty years ago, the small portion which was undisturbed has been an eyesore, especially to the residents on Munroe street, one-half of the width of which for a considerable distance was included in this unsightly eminence. The unimproved portion of the hill having been taken by the city, and, during the past year, laid out as a park, the part of Munroe street referred to has been accepted and constructed, forming practically a park driveway.

Street Cleaning.

The demand for cleaner streets is constantly increasing, and the patrol system of keeping the streets free from rubbish, waste paper, tin cans, shop bills, etc., has been continued during the past year, giving great satisfaction.

The equipment for this branch of the service consists of four sweeping machines, one Barnard Castle scraper, two Mentzer street cleaners, and nine small hand carts.

Watering Streets.

Under the law providing for the assessment of street watering on the abutters, only accepted streets can be watered; on private streets the cost must be paid in advance.

The work is let out by contract at a uniform price of eighty dollars per month, per cart, to each contractor, who furnishes a pair of horses and a driver, said contractor being required at all times to keep the streets in his district properly watered.

This force is under the direction of an assistant, who devotes his entire time to the work, and very few complaints have been received during the year of the manner in which the work is done.

In this department are twenty-eight carts, and the city is divided into a corresponding number of districts, each averaging about two miles of streets.

I would recommend the purchase of one new watering cart to be used during the year coming.

If some arrangement could be made with the Boston Elevated Railway Company to water Broadway, Highland avenue, Somerville avenue and Washington street tracks with electric sprinklers, it would be an improvement over the present system.

City Ledge.

The work of removing the ledge between Broadway and Holland street is still progressing, and will probably last two years longer.

Stone Crusher.

The stone crusher has been kept constantly at work during the year, breaking sixteen thousand tons of stone.

Bridges.

The Middlesex-avenue bridge is maintained jointly by the cities of Medford and Somerville, Medford being the custodian and making all repairs, and Somerville paying one-half the cost of the same.

A new bridge is being constructed to replace the old one.

Boston-avenue bridge over the Mystic river, and Broadway bridge over Alewife brook are in good condition.

Subways.

The subways require constant attention and care to keep them clean. The one at Sacramento street has not overflowed during the past year, and by the use of the Universal Water Jet Eductor, Kent-street subway was kept from overflowing.

Brown-Tail Moths.

Vigorous work for the removal of the brown-tail moths was begun in January, and continued until March, but the city is not quite free from the pest. I have made a personal inspection of the trees in the streets, and find many of them infested, and I intend to put a small gang at work to rid the city of the moths.

Shade Trees.

During the year one hundred seventy-four trees were set out and twenty-eight cut down, and wire protectors were placed around fifty-six.

Steam Road Rollers.

The steam road rollers are in first-class condition. We have two Buffalo Pitts rollers, one fifteen-ton and one twelve-ton, and one five-ton asphalt roller.



FIG. 1.



FIG. 2.



FIG. 3.

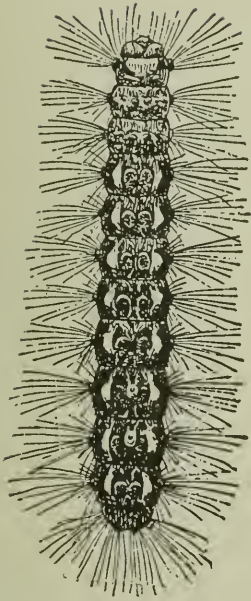


FIG. 4.

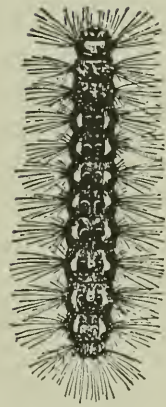


FIG. 5.

BROWN-TAIL MOTH.

Explanation of plate :—

No. 1.— Female brown-tail moth.

No. 2.— Winter web of brown-tail moth caterpillars.

No. 3.— Pruning shears suitable for removal of winter webs.

No. 4.— Brown-tail moth caterpillar, enlarged.

No. 5.— Brown-tail moth caterpillar, natural size.

Figures 1, 2, 4, and 5 drawn from nature by J. H. EMERTON.

Miscellaneous Work.

No new tracks were built by the Boston Elevated Railway Company during the year.

6,457.9 square yards of brick and 79.6 square yards of granolithic sidewalks have been laid, beside 35.5 square yards of granolithic outside the street line at Gilman square; 35,101.7 feet, or nearly seven miles, of edgestones, and 217.1 feet of inside curbing were set; 11,335 square yards of stone gutters and 1,901.8 square yards of concrete gutters have been constructed; 470 square feet of flagging, 199.7 square yards of vitrified brick, and 452.6 square yards of concrete crossings were laid, also 63.6 square yards of granolithic crossing in front of the Central fire station.

11,700 feet, or over two miles, of edgestone have been reset, 8,610 square yards of brick relaid, and 4,280 square yards of stone and 43 square yards of vitrified brick gutters repaired. 1,665 square feet of crossings were relaid with flagging, and 160.6 square yards of crossings were replaced with vitrified brick.

523 square yards of crossings, driveways, sewer trenches, etc., have been paved or re-paved with granite blocks; 99.1 square yards of granite paving surfaced with concrete; and 105 square yards of driveways paved or re-paved with bricks.

There have been 9,363 loads of dirt, 9,399 loads of scrapings, and 4,880 loads of old macadam removed from the streets, and 2,186 loads of ashes and 1,901 loads of ballast used in the streets.

429 permits were issued for the use of streets and sidewalks, and 1,000 defects in streets and sidewalks reported by the police department were promptly repaired.

Recommendations.

I recommend the paving of Medford street, from Broadway to Lowell street, and the paving of the gutters and setting of edgestones on the southerly side of Washington street, from the Boston line to Tufts street; also that Mystic avenue be raised to grade sixteen, and that Somerville avenue, from Medford street to the Cambridge line, and Pearl street, from Cross street to Mt. Vernon street, be macadamized.

Highways Maintenance Account.

CREDIT.

Receipts and credits:—

Balance brought forward from last year's account	\$11,291 66
Commonwealth of Massachusetts, street railway tax	36,118 21
Appropriation from Excess and Deficiency account of 1901	6,374 75
Stock furnished for Highways, Construction in 1901 (not paid for)	761 00
Stock furnished for Highways, Paved Gutters and Crossings in 1901 (not paid for)	762 54

Amount carried forward	\$55,308 16
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Amount brought forward	\$55,308 16	
Labor approved in pay-roll to May 21 (not called for)	10 00	
Materials furnished prior to January 1, 1902, the bills for which remained un- collected that day	92 50	
Sale of ledge stone	500 00	
Value of materials on hand January 1, 1902 .	2,059 51	
Value of tools and property on hand Janu- ary 1, 1902	16,157 33	
Net gain on tools, property, and materials .	430 15	
	<hr/>	
Total credit		\$74,557 65

DEBIT.

Expenditures:—		
For repairs of sundry streets as appears by table B at end of this report		\$4,564 40
General repairs of streets		14,861 50
Repairs of stone paving		2,046 86
Repairs and maintenance of gravel sidewalks		3,089 75
Repairs of street crossings		1,788 78
Cleaning streets		11,488 13
Removing snow and ice and care of slippery sidewalks .		5,910 59
Maintenance of Middlesex-avenue bridge		358 01
Building retaining walls		259 46
Constructing granolithic walk at No. 1105 and No. 1109 Broadway		87 05
Setting circle, Munroe street, at Parkway and Prospect Hill avenue		92 90
Setting circle, Professors row		32 20
Setting circle, Chester street, at Herbert street (labor) .		4 50
Sodding bank, Conwell street		9 40
Re-paving Medford street, near Central Fire Station .		31 65
Repairing driveway, Cedar street, corner Hudson street		4 50
Setting inside curbing on Stone-avenue Extension		92 26
Sidewalk Assessment, Fountain avenue		33 16
Teaming coal to schoolhouses		505 80
Teaming coal to relief stations		94 40
Wakefield Gravel Land, taxes		70 44
Care of subways		283 11
Removing trees		264 60
Setting trees		89 80
Trimming trees		302 60
Blacksmithing		906 80
Carpentering		96 80
Telephone		49 95
Street signs		614 90
Superintendent's salary		2,000 00
Superintendent's team (board of one horse)		260 74
Sundry expenses		1,143 56
Books, printing, stationery, and postage		125 08
Highways Construction Account, stock furnished, but not charged in 1902		116 05
Private work, the bills for which remained uncollected December 31, 1902		40 40
Value of materials on hand this day		508 21
		<hr/>
Amount carried forward		\$52,228 34



POWDER HOUSE TERRACE.

Amount brought forward	\$52,228 34	
Value of tools and personal property on hand this day:—		
Horses	\$4,785 00	
Carts and implements used with horses	3,806 00	
Harnesses and horse clothing	675 00	
Stable utensils and property	211 25	
Tools	1,694 00	
Steam road rollers	7,800 00	
Stone crusher and fittings	1,587 25	
	<hr/>	
Total debit		\$72,786 84
		<hr/>
Balance unexpended		\$1,770 81
		<hr/> <hr/>

Highways, Paved Gutters and Crossings.

	CREDIT.	
Appropriation	\$19,000 00	
Less amount overdrawn in 1901	5,356 94	
	<hr/>	\$13,643 06
Net gain on materials		6 78
		<hr/>
Total credit		\$13,649 84

	DEBIT.	
Expenditures:—		
For paving gutters as per table F	\$17,924 61	
Street crossings as per table I	2,924 66	
Paving stock furnished in 1901 (not charged)	762 54	
Thomas Groom & Co., books	6 00	
Value of materials on hand this day	1,414 30	
	<hr/>	
Total debit		\$23,032 11
		<hr/>
Amount overdrawn		\$9,382 27
		<hr/> <hr/>

Highways, Construction Account.

	CREDIT.	
Unexpended balance of appropriation of 1901	\$963 36	
Appropriation	2,350 00	
Commonwealth of Massachusetts, street railway tax	10,000 00	
	<hr/>	\$13,313 36
Receipts:—		
Munroe street and Stone avenue Construction, advertising, etc.	\$35 40	
Highways Maintenance, stone, from Fosket street construction	46 80	
	<hr/>	\$82 20
		<hr/>
		\$13,395 56
Less transfers to Fire Department Account	\$930 00	
Public Buildings Maintenance, Armory	400 00	
Support of Poor, Miscellaneous	300 00	
	<hr/>	
Amounts carried forward	\$1,630 00	\$13,395 56

Amounts brought forward	\$1,630 00	\$13,395 56
Clerk of Committees and Departments	100 00	
Inspection of Buildings	200 00	
	<hr/>	\$1,930 00
Net credit		<hr/> <hr/> \$11,465 56

DEBIT.

Expenditures:—

Construction or partial construction of streets as appears by table A at end of this report

\$21,338 53

Less assessments

6,586 36

\$14,752 17

Labor on sundry streets not finished

158 40

Crushed stone furnished in Avon and Lowell streets and Morrison avenue in 1901

648 75

Advertising and recording releases on streets not constructed

191 69

Recording releases for sundry streets in 1901

28 00

Books

11 00

Total debit

\$15,790 01

Amount overdrawn

\$4,324 45**Highways, Construction, Munroe Street and Stone Avenue.**

CREDIT.

Appropriation		\$5,500 00
-------------------------	--	------------

DEBIT.

Labor, including removal of materials

\$4,651 25

City teams

539 00

Stone

443 45

Crushed stone

709 87

Edgestones

103 68

Circles

13 75

Corners

5 00

Lumber

29 03

Advertising

40 00

Recording releases

3 31

Photographs

1 00

\$6,539 34

Less assessment

796 96

\$5,742 38

Amount overdrawn

\$242 38**Sidewalks Construction Account.**

CREDIT.

Appropriation

\$16,000 00

Less amount overdrawn in

1901

2,624 19

\$13,375 81

Transfer from paving Cross street

1,584 00

Amount carried forward

\$14,959 81



PROSPECT HILL PARK DRIVE.



STONE AVENUE EXTENSION.

Amount brought forward	\$14,959 81	
Private work, the bills for which remained unpaid December 31, 1901	64 00	
Edgestones and circles previously set, but not assessed	59 88	
Net gain on materials	168 31	
	<hr/>	
Total credit		\$15,252 00

DEBIT.

Expenditures:—

For advertising sidewalk hearings (side- walks not constructed)	\$24 75	
Forty-seven sidewalks con- structed as per table C	\$32,212 11	
Less assessments	16,106 10	
	<hr/>	
		16,106 01
Constructing sidewalks as per table D	153 05	
Constructing sidewalks as per table E	20 00	
Constructing sidewalk, Stone-avenue ex- tension	207 09	
Constructing granolithic walk, Gilman square, in front of Malta building	\$56 65	
Less payment by abutters	26 63	
	<hr/>	
		26 62
Books, printing, and stationery	31 50	
Sundry expenses	56 78	
Value of materials on hand this day	151 29	
	<hr/>	
Total		\$16,777 09
		<hr/>
Amount overdrawn		\$1,525 09
		<hr/> <hr/>

Sidewalks Maintenance Account.

CREDIT.

Appropriation	\$6,000 00	
Less amount overdrawn in 1901	1,711 69	
	<hr/>	
Net credit		\$4,288 31

DEBIT.

Expenditures:—

Bricks used in repairing sidewalks	\$1,072 50	
Labor	5,420 01	
City teams	533 40	
Sods	37 50	
Gravel	186 78	
Sand	204 91	
Ashes	10 00	
	<hr/>	
Total debit		\$7,465 10
		<hr/>
Amount overdrawn		\$3,176 79
		<hr/> <hr/>

Highways, Watering Streets Account.

CREDIT.

Contribution from abutters	\$17,495 86	
Insurance on water carts (collected from contractors)	54 00	
	<hr/>	
Total credit		\$17,549 86
		<hr/>
Amount carried forward		\$17,549 86

Amount brought forward \$17,549 86

DEBIT.

Expenditures:—

Charles I. Bucknam, looking after street watering	\$595 00
Teaming	14,280 07
J. L. and H. K. Potter, two new water carts	700 00
Repairing carts	1,825 32
Paving around stand pipes	138 00
Shades for watering carts	21 00
Clerical services, making up assessment list	85 33
Assessment book	12 00
Incidentals	97 68

\$17,754 40

Amount overdrawn \$204 54

Highways, Shade Trees.

CREDIT.

Appropriation \$500 00

DEBIT.

Trees (74 rock maples)	\$148 00
Labor (setting trees)	52 00
Tree guards (62)	52 68

\$252 68

Balance unexpended \$247 32

Highways, Removal of Brown-tail Moths.

CREDIT.

Appropriation \$3,500 00

Receipts for work on private premises and school grounds:—

From sundry persons	\$424 23
From Public Buildings Maintenance, School-houses, account	37 75

461 98

Total credit \$3,961 98

DEBIT.

Expenditures:—

Labor, removing brown-tail moths from trees	\$5,771 00
City teams (use of)	225 40
Tools	16 67
Stationery and postage stamps	78 25
Creosote	75

\$6,092 07

Amount overdrawn \$2,130 09

In addition to the credits and expenditures mentioned in the foregoing accounts, materials have been furnished and work of various kinds has been done for other departments, and credits received for the same.

TABLE A.
Streets Constructed or Partially Constructed in 1902.

STREET.	FROM	TO	CONSTRUCTED WHOLLY OR PARTIALLY.	LENGTH IN FEET.	COST.
Bedford	South street	Cambridge line	Wholly	165	\$154 06
Benton Road	Westwood road	Highland avenue	Wholly	620	313 34
Conwell	Highland avenue	To a point about 75 feet S'W'y from Francis street	Wholly	360	167 73
Cedar	Highland avenue	Broadway	(Reconstructed) wholly	2,500	1,737 36
Columbia	Webster avenue	Cambridge line	Wholly	816	1,276 51
Columbus avenue	End of public portion	Windham road	Wholly	73	231 92
Curtis	Broadway	Professors row	Wholly	1,700	1,478 77
Derby	Temple street	Grant street	Wholly	831	345 58
Elmwood	Holland street	Cambridge line	Partially	1,200	19 90
Elston	Elm street	Summer street	Wholly	396	289 16
Fairlee	Cherry street	Northwesterly	Wholly	144	92 60
Fosket	Willow avenue	Liberty avenue	Wholly	668	974 24
Fountain avenue	Cross street	Glen street	Wholly	578	223 22
Gilman terrace	Pearl street	Northeasterly	Wholly	360	247 31
Hancock	Summer street	Highland avenue	Wholly	521	628 50
Homer square	Bonner avenue	Northwesterly	Wholly	200	275 77
Hammond	Dickinson street	Concord avenue	Wholly	267	432 60
Jenny Lind avenue	Medford street	Vernon street	Wholly	900	401 74
Josephine avenue	Broadway	Morrison avenue	Partially	1,715	137 60
Kent	Somerville avenue	Subway	Wholly	292	266 25
Kensington avenue	Broadway	Blakeley avenue	Wholly	455	609 89
Lesley avenue	Highland avenue	Lexington avenue	Wholly	333	391 06
Myrtle	Pearl street	Washington street	Wholly	950	491 65
Marion	Wyatt street	W'yly to land of Dimick	Wholly	176	60 76
	Carried forward			16,220	\$11,247 52

TABLE A.—Concluded.

STREET.	FROM	TO	CONSTRUCTED WHOLLY OR PARTIALLY.	LENGTH IN FEET.	COST.
Museum	Beacon street	Brought forward . . . . .	. . . . .	16,220	\$11,247 52
Oak	Angle	Cambridge line	Wholly	164	177 80
Partridge avenue	Broadway	Cambridge line	Wholly	563	385 98
Powder House terrace	Kidder avenue	Medford street	Wholly	450	243 62
Professors row	College avenue	Powder House park	Wholly	330	499 88
Rogers avenue	Morrison street	Curtis street	Partially	2,000	1,605 23
Spencer avenue	Hancock street	Broadway	Wholly	1,682	1,874 20
Sycamore	Highland avenue	Cedar street	Wholly	727	613 35
Sacramento	Beacon street	Willoughby street	Wholly	550	635 19
Sydney	Temple street	Cambridge line	Partially	156	106 40
Thorndike	Holland street	Grant street	Wholly	679	819 72
Thorndike	Kingston street	Railroad	Partially	400	15 75
Willow avenue	Broadway	Arlington branch R. R.	Partially	115	39 70
Winter	College avenue	Highland avenue	Wholly	2,350	2,912 05
		Holland street	Wholly	402	162 14
Length in feet and cost				26,788	\$21,338 53



HANCOCK STREET, BEFORE CONSTRUCTION.



HANCOCK STREET, CONSTRUCTED.

TABLE B.
Streets Repaired.

STREET.	FROM	To	DESCRIPTION OF WORK.	FEET.	COST.
Broadway	Magoun square	Partridge avenue	Macadamized	650	\$773 77
Cedar	Highland avenue	Elm street	Macadamized	1,650	1,087 49
College avenue	Talbot avenue	Medford line	Macadamized	400	387 34
Elm	{ From end of paving in Davis square	Chester street	Macadamized	180	907 39
Mystic avenue	Austin street	Moreland street	Macadamized	4,200	579 60
Pearl	Cross street	Gilman square	Macadamized	2,200	457 53
Summer	Belmont street	Craigie street	Graveled	525	184 18
Willow avenue	Highland avenue	Elm street	Macadamized	1,050	187 10
Length in feet and cost				10,855	\$4,564 40

TABLE C.
Sidewalks Constructed Where the Materials Were Furnished by the City and One-half the Cost Was Assessed Upon the Abutting Estates.

STREET.	SIDE.	FROM	TO	FEET OF EDGESTONES.	YARDS OF BRICKS.	COST.
Appleton	Both	Willow avenue	Clifton street . . . . .	....	665.9	\$561 64
Banks	Both	Elm street	Summer street . . . . .	....	897.6	746 10
Belmont	*Northwesterly	Highland avenue	Summer street . . . . .	....	353.5	300 08
Burnside avenue	Northwesterly	Elm street	Summer street . . . . .	....	491.7	419 42
Cedar	Southeasterly	Highland avenue	Railroad bridge	2,248.7	....	1,791 08
College avenue and Professors row	Northwesterly	Railroad bridge	Broadway . . . . .	....	....	....
Columbia	Westerly and Southerly	{ Talbot avenue	Estate of S. P. Anthony	395.8	....	411 65
Conwell	Southerly	Webster avenue	Cambridge line	1,604.4	....	1,189 78
Columbus avenue	Both	Highland avenue	S. W't'y its entire length	727.2	....	604 60
Curtis	Both	Edgestone already laid	Windham road	183.1	....	141 25
Elston	Both	Broadway	Opposite Professors row	1,325.8	....	1,107 24
Fairlee	Northwesterly	Elm street	Summer street	823.8	....	635 55
Fountain avenue	Both	Cherry street	End of street	277.6	145.1	331 50
Gilman terrace	Both	Glen street	Cross street	1,137.3	....	856 33
Hancock	Both	Pearl street	End of street	717	....	542 28
Hammond	Both	Summer street	Highland avenue	936.9	684.8	1,446 28
Homer square	Both	Dickinson street	Concord avenue	537.1	....	419 89
Jaques	Both	Bonner avenue	End of street	475.8	....	352 93
Jenny Lind avenue	Northeasterly	Chauncey avenue	Temple street . . . . .	....	737.2	663 84
Lesley avenue	Both	Vernon street	Medford street	1,812.4	....	1,267 70
Lincoln	Both	Highland avenue	Lexington avenue	685.1	....	556 42
Madison	Easterly	Broadway	Estate No. 10 . . . . .	....	80.8	79 43
Marion	Southerly	School street	Sycamore street . . . . .	....	597.1	542 50
Medford	Both	Wyatt street	Westerly end of street	347.3	....	276 14
	*Both	Tennyson street	Lowell street	1,865.6	....	1,505 43
			Carried forward	16,100.9	4,653.9	\$16,749 06

* Where not already laid.

TABLE C.—Concluded.

STREET.	SIDE.	FROM	TO	FEET OF EDGESTONES.	YARDS OF BRICKS.	COST.
Medford	In front of estate of	A. W. Follett	Brought forward	16,100.9	4,653.9	\$16,749 06
Medford	Southwesterly	Sycamore street	Nos. 519 and 531, incl'v'e	....	161.7	129 48
Medford	Northeasterly	Jenny Lind avenue	Tennyson street . . . . .	....	193.1	164 03
Monmouth	*Northwesterly	Central street	Partridge avenue . . . . .	....	152.2	163 48
Myrtle	Northwesterly	Pearl street	End of public portion	163.4	178.3	293 05
Myrtle.	Southwesterly	Pearl street	Myrtle place	510.5	....	402 44
Myrtle.	Northwesterly	Myrtle place	Opposite Myrtle place	903	....	701 13
Myrtle.	Southwesterly	Opposite Myrtle place	Washington street	612.4	....	505 00
Munroe	Southwesterly	From edgestones	Washington street	1,057.1	....	827 40
Oak	Both	already laid	Prospect Hill avenue . . . . .	....	248.3	204 29
Orchard	Southwesterly	Angle	Cambridge line	464.7	....	380 12
Partridge avenue	Northwesterly	Russell street	Sidewalk already laid . . . . .	....	318.3	312 29
Park avenue	Southwesterly	Medford street	Broadway	695.7	....	563 20
Powder House terrace	Southwesterly	College avenue	Wallace street	3,408.3	....	2,539 50
Rogers avenue	Both	Kidder avenue	Line Powder House park	979.2	....	755 53
South	Both	Morrison avenue	Broadway	961.3	....	744 98
South	Southerly	Medford street	End of public street	1,515.3	....	1,140 86
Spencer avenue	Northerly	Medford street	Water street	328.1	....	295 02
Sycamore	Both	Cedar street	Hancock street	547.1	....	399 27
Sycamore	Southwesterly	Estate of Parker	Montrose street	3,192.9	....	2,597 15
Summer	Northwesterly	Highland avenue	Willoughby street	708	....	718 47
Sydney	*Both	Belmont street	Cutter square . . . . .	....	286.2	244 25
Webster avenue	Southwesterly	Grant street	Temple street	153.6	....	114 31
Willow avenue	Westerly	Prospect street	Tremont street	1,581.1	....	1,267 80
Willow avenue	Southwesterly	Morrison avenue	Boston & Lowell R. R.	33,882.6	6,191.8	\$32,212 11
Willow avenue	Southwesterly	Morrison avenue	Broadway . . . . .	....	....	....
			Total	33,882.6	6,191.8	\$32,212 11

* Where not already laid.

TABLE D.

**Sidewalks Constructed where the Bricks and Edgestones were
Furnished or Paid for by the Abutters.**

For	Street.	Feet of Edgestones.	Yards of Bricks.	Cost to City.
Cosmo Accetta . . .	Cameron avenue . . .	25.	....	\$13 59
Thomas E. Cunningham	169 Tremont street . .	....	15.	8 45
James Fitzpatrick . .	237 Tremont street . .	....	24.9	8 05
Benjamin B. Hall . . .	162 to 163 inclusive } Glen and Morton sts. }	76.7	115.7	44 80
Harriet L. Norton . . .	10 and 12 Melvin street	....	26.4	17 65
Frederick W. Parker . .	Sycamore street . . .	104.7	....	31 43
Annie Rosenthal . . .	24 Trull street . . .	....	24.2	9 15
Barbara Smith . . .	8 Prospect Hill avenue	....	34.	10 78
Joseph K. Warren . . .	16 and 18 Columbus ave.	....	25.9	9 15
	Total	206.4	266.1	\$153 05

TABLE E.

**Granolithic Sidewalk Laid (the Edgestone being already set), the
Abutter Paying the Excess above the Equivalent of One-half
the Cost of a Brick Sidewalk.**

For	Street.	Square Yards.	Cost to City.
Edwin M. Stanton . . .	787 Broadway	79.6	\$20 00

TABLE F.
Gutters Paved in Connection with Setting Edgestones.

STREET.	Side.	From	To	Square Yards.	Cost.
Bow	Southwesterly	Union square	Opposite Walnut street	58	\$189 12
Cameron avenue	Northwesterly	Seven Pines avenue	Cambridge line	8	12 00
Cedar	{ Northwesterly	Broadway	Lowell railroad }	749	1,213 45
Columbia	{ Southeasterly	Lowell railroad	Highland avenue }	535	732 83
Conwell	Both	Webster avenue	Cambridge line	283	437 25
Curtis	Both	Highland avenue	S'W'st'y its entire length	*349.8	
	Westerly	Broadway	Professors row	{ 158.2 }	452 78
Columbus avenue	Both	{ From edgestones } { already laid }	Windham road	61	126 92
Elston	Both	Elm street	Summer street	274	388 32
Fairlee	Both	Cherry street	Northwesterly	93	102 25
Fountain avenue	Both	Cross street	Glen street	379	429 45
Gilman terrace	Both	Pearl street	Northeasterly	239	301 32
Glen	In front of	Nos. 162, 164, 166 and 168	Glen and Morton streets	26	47 17
Hancock	Both	Summer street	Highland avenue	312	482 86
Hammond	Both	Dickinson street	Concord avenue	179	306 09
Homer square	Both	Bonner avenue	Entire length	159	268 16
Jenny Lind avenue	Both	Medford street	Vernon street	604	683 93
Lesley avenue	Both	Highland avenue	Lexington avenue	223	391 35
Main	Southwesterly	Opp. Moreland street	Opposite Fremont street	70	72 70
Marion	Both	Wyatt street	Westerly limit	116	252 40
Medford	Both	Dartmouth street	{ Lowell street (where } { not already laid } }	622	1,010 87
Medford	Easterly	In front of	Central Fire Station	14	8 50
			Carried forward	5,517	\$7,909 72

* Concrete.

TABLE F.—Concluded.

STREET.	Side.	From	To	Square Yards.	Cost.
Monmouth	Northeasterly	Central street	Brought forward	5,517	\$7,909 72
Munroe	Northeasterly	Estate of Wentworth	End of public portion	54	89 45
*Munroe	Southwesterly	Accepted portion	Prospect Hill avenue	204	377 25
Myrtle	Both	Pearl street	North	81	158 27
Oak	Both	Angle	Washington street	471	880 32
Partridge avenue	Westerly	Broadway	Cambridge line	352	522 82
†Professors row and	Both	Curtis street	Medford street	155	266 58
College avenue	Westerly	Professors row	College avenue	(not compl'd)	642 37
Powder House terrace	Both	Kidder avenue	Talbot avenue		
Rogers avenue	Both	Morrison avenue	Line Powder House park	232	341 44
South	Both	Medford street	Broadway	1,136	1,649 80
Sycamore	Easterly	Highland avenue	End of street	646	1,066 84
Sycamore	Westerly	Highland avenue	Montrose street	163	323 66
*Stone avenue extension	Easterly and westerly	Columbus avenue	Willoughby street	213	187 69
Spencer avenue	Both	Hancock street	Munroe street	97.5	63 38
†Summer	Both	Belmont	Cedar street	505	820 48
Sydney	Southerly	Temple street	Cutter square	1,101	1,475 76
Willow avenue	Southerly	Broadway	Grant street	236	424 67
			Railroad	578	824 11
			Total	11,741.5	\$17,924 61

* Concrete.
 † Not Completed.
 ‡ Where not already laid.



MUNROE STREET, EASTERLY END.



MUNROE STREET, WESTERLY END.

TABLE G.
Driveways Constructed at Expense of Abutters.

FOR.	STREET.
Leander P. Augusta and others	12 New Cross street.
George W. Bentley	19 Adams street.
Antonia F. Burmann	216 Morrison avenue.
James Cotter	453 Somerville avenue.
T. C. Connor	Entrance to Cutter park.
Henry Green	278 Beacon street.
William J. Griffiths	Joy street, cor. Leonard street.
George F. McKenna	401 Medford street.
William F. Noble	16 Sewall street.
Orville L. Story	12 Morton street.
Moses Smith	9 Prospect Hill avenue.
George H. Streeter	11 Prescott street.
Paul A. Seckendorf	38 Cameron avenue.

TABLE H.
Streets Accepted in 1902.

STREET.	WARD.	FROM	TO	WIDTH. FEET.	LENGTH. FEET.
Bedford st.	2	South st.	Cambridge line	30	165
Bowdoin st.	2	Fremont ave.	Lincoln st.	40	94
Charles st.	1	Washington st.	Roland st.	30	166
Dimick st.	2	Concord ave.	Calvin st.	40	957
Fairlee st.	6	Cherry st.	Northwesterly	30	144
Fenwick st.	5	Heath st.	Jaques st.	40	261
Fountain ave.	1	Cross st.	Glen st.	30	578
Henry ave.	6	Highland ave.	Lexington ave.	40	290
Homer sq.	3	Bonner ave.	Northwesterly	30	200
Kensington ave.	4	Broadway	Blakeley ave.	40	455
Line st.	2	Washington st.	Southeasterly	30	1,727
Marion st.	2	Wyatt st.	Westerly to land of Dimick	40	176
Maple st.	1	Poplar st.	Medford st.	30	699
Munroe st.	3	Accepted port'n	Boston st.	50	1,214
Pembroke st.	5	Central st.	Sycamore st.	40	430
Poplar st.	1	Somerville ave.	Joy st.	30 & 35	666
Professors row	7	College ave.	Curtis st.	40	2,000
Rogers ave.	6	Morrison ave.	Boston ave.	45	1,682
Stone ave. (Ext.)	3	Columbus ave.	Prospect Hill pk.	38	107
Veazie st.	4	Walnut st.	Bradley st.	35	392
Wilton st.	5	Lowell st.	Lawrence st.	35	470
Willoughby st.	5	Central st.	Sycamore st.	40	427
Winter st.	7	College ave.	Holland st.	30	402
Windham road	3	Columbus ave.	Washington st.	40	279
		Length in feet			13,981

TABLE I.
Street Crossings Laid.

BRICK.

Beacon street, across same, at southerly side of Roseland street.
 Broadway, southwesterly side, across Franklin street.
 Broadway, from southeasterly side of Sycamore street to car track.
 Broadway, southwesterly side, across Sycamore street.
 Broadway, across same, at southeasterly side of Bartlett street.
 Chester street, northwesterly side, across Herbert street.
 Highland avenue, across same, at northwesterly side of West street.
 Mt. Vernon street, across same, at southwesterly side of Pearl street.
 Roseland street, across same, at westerly side of Beacon street.
 School street, northwesterly side, across Knapp street.
 Somerville avenue, northeasterly side, across Ibbetson street.
 Summer street, southwesterly side, across Harvard street.
 Summer street, southwesterly side, across Porter street.
 Summer street, across same, at northwesterly side of Porter street.
 Summer street, southwesterly side, across Linden avenue.

GRANITE FLAGGING.

Central square, across end of Cross street.
 Central square, across same, from southerly side of Prospect Hill avenue
 to southeasterly side of Cross street.
 College avenue, across same, at junction of Professors row.
 Elm street, across same, at northwesterly side of Windom street.
 Holland street, across same, at northwesterly side of Gorham street.
 Holland street, across same, near railroad crossing. -

CONCRETE.

Appleton street, across same, at northwesterly side of Clifton street.
 Appleton street, southwesterly side, across Newberne street.
 Broadway, across same, at southeasterly side of Cedar street.
 Broadway, across same, at southeasterly side of Josephine avenue.
 Broadway, across same, from house numbered 500 to northwesterly cor-
 ner of Broadway and Medford street.
 Curtis street, across same, at southwesterly side of Professors row.
 Curtis street, northwesterly side, across Curtis avenue.
 Curtis street, northwesterly side, across Conwell avenue.
 Curtis street, northwesterly side, across Raymond avenue.
 Lowell street, across same, at southwesterly side of Brastow avenue.
 Morrison avenue, across same, at northwesterly side of Clifton street.
 Morrison avenue, northeasterly side, across Clifton street.
 Washington street, across same, at easterly side of Hawkins street.
 Washington street, across same, at easterly side of Bowdoin street.
 Willow avenue, northwesterly side, across Appleton street.

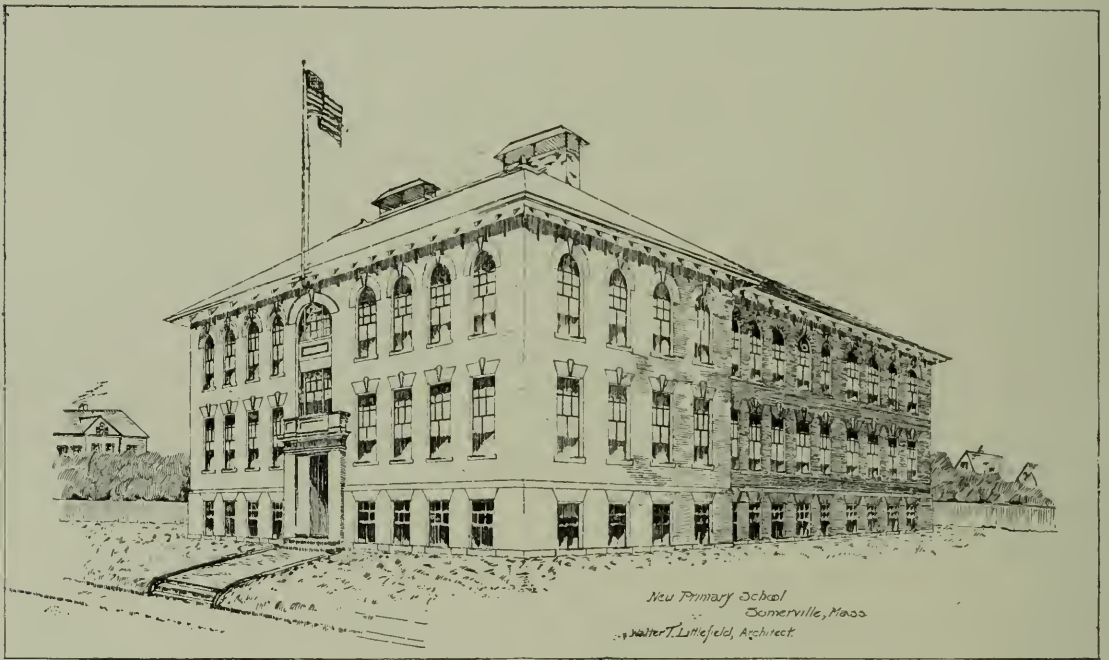
Length of Accepted Streets in Each Ward.

	Miles.
Ward 1	8.899
“ 2	7.623
“ 3	6.531
“ 4	8.228
“ 5	10.453
“ 6	10.698
“ 7	13.379

Total length of accepted streets in the city 65.811

Respectfully submitted,

JOHN P. PRICHARD,
Street Commissioner.



New Primary School
Somerville, Mass.
Walter T. Littlefield, Architect

NEW PRIMARY SCHOOL, MORRISON AVENUE.

REPORT OF COMMISSIONER OF PUBLIC BUILDINGS.

OFFICE OF COMMISSIONER OF PUBLIC BUILDINGS, }
City Hall, Somerville, January 1, 1903. }

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 report of this department for the year 1902.

That portion of the city charter relating to this department is as follows: “Section 41, Article 3. The Public Buildings Department. This department shall be under the control of the Commissioner of Public Buildings, who shall have charge of the construction, alteration, repair, maintenance, and care of public buildings, and shall also be the inspector of buildings.”

In addition to the regular work of this department during the year 1902, there have been several needed improvements made in some of the public buildings of the city. A description of this special work will be found fully outlined in this report. The inspection of private building construction, which has been made during the year, has been performed systematically, and, as a result, the various builders have carried on their work with very few violations of the building ordinances.

Inspection of Buildings.

There have been issued during the year 1902 permits for 252 new buildings and alterations. This number is 114 less than in 1901.

The total estimated cost of new buildings and alterations in 1902 was \$791,175, while the same in 1901 was \$987,330, showing a decrease of \$196,155.

During the year 1902 there have been made 1,241 inspections of private buildings in the course of construction. These have included the inspections of fire stopping, chimneys, buildings damaged by fire, and foundations.

The following is a table showing the number of permits in each ward for buildings, etc., and the uses for which they were intended:—

BUILDINGS.	WARDS.							TOTAL.
	1	2	3	4	5	6	7	
Dwellings	17	30	17	14	18	58	51	205
Dwellings and Stores	0	2	1	2	2	0	0	7
Stables	1	0	0	0	2	0	1	4
Miscellaneous	6	15	4	1	2	0	6	34
Brick Buildings	1	0	0	0	1	0	0	2
Totals	25	47	22	17	25	58	58	252

Inspection of Plumbing.

The number of plumbing permits issued during the year was	374
Permits for plumbing in new buildings	227
Permits for plumbing in old buildings	147
Number of buildings in which pipes were tested with water	290
Number of master plumbers' licenses, 4 at \$2.00	\$8 00
Number of journeyman plumbers' licenses, 1 at \$.50	50
Number of master plumbers' licenses renewed, 16 at \$.50	8 00
Number of journeyman plumbers' licenses renewed, 16 at \$.50	8 00

One application for master plumber's license, and two for journeyman plumber's license were rejected.

Amount received in fees \$24 50

Clark Bennett School.

The new Clark Bennett School was completed during the summer of 1902, and was opened for occupancy at the beginning of the school year in September.

Early in the year estimates were solicited for the plumbing work in the building. The following estimates were received:—

Frank M. Bennett	\$3,315 00
Charles W. Cahalan	2,510 00
Henry W. Covell	2,488 00
Armstrong Brothers	2,391 00

The lowest bidders were Armstrong Brothers, and they were awarded the contract for the entire plumbing work.

There are in this building twelve classrooms, each having a seating capacity for fifty pupils. Each classroom has a closet for the storage of books, etc., is fitted with slate blackboards, and is otherwise well equipped for school purposes.

Each classroom has in connection its separate coat room, which is accessible from both the corridor and the room itself.

At either end of the building leading from the stair landings there are four small rooms, two of which are used for teachers'

retiring rooms, one for the principal's office, and one for a hospital room.

The entire sanitary system is located in a separate building, which connects with the main building by a corridor. This building is two stories in height.

The heating and ventilating of this school building is by the gravity system.

The steam plant consists of two fifty-four-inch boilers, each of which contains sixty three-inch tubes, and from which the steam is carried to the heat coils in three air rooms, from which the tempered air is distributed through the building to the various rooms, entering at a point eight feet above the floor.

The vitiated air is taken from each room through an opening at the floor, into brick ducts which lead through the roof to the open air. Each of these ducts is provided with a steam coil, that there may be a perfect circulation of air continually.

Morse School.

During the year a new sanitary system was installed in the Morse School on Summer street. The old cremating system was entirely removed, and a modern system of individual flush closets was substituted.

Proposals were received for this work and opened in the Mayor's office on July 5, 1902, as follows:—

Charles W. Cahalan	\$1,688 00
Thomas H. Naughton	1,672 00
Henry W. Covell	1,625 00
Armstrong Brothers	1,497 00

The lowest bidders, Messrs. Armstrong Brothers, of Somerville, were awarded the contract, and proceeded to install the system.

The new system has, up to the present time, given complete satisfaction.

Glines School.

For several years the motive power for operating the blower has been an engine, the steam for which has been supplied from the boilers.

In order to furnish heat for the building and steam for this engine, the boiler capacity has often been forced to its limit. In order to relieve this difficulty, an electric motor was installed to operate the blower. This change has given great relief to the boilers, and it is now possible to utilize all of the steam generated, for heating purposes.

The total cost of the change was \$500, and the marked improvement fully justifies the outlay.

City Hall.

During the spring of 1902 a new entrance porch was constructed on the facade of the City Hall. Estimates were solicited and received for this work, and were opened in the office of the Mayor on February 6, 1902, as follows:—

Harris P. Tibbetts	\$1,345 00
Clarence W. Stevens	1,330 00
Arthur W. Berry	1,295 00
George F. Matthews	1,238 00

George F. Matthews was the lowest bidder, and was awarded the contract. This improvement has added much to the exterior appearance of City Hall.

Morrison Avenue School.

In accordance with an order passed by the Board of Aldermen, His Honor the Mayor requested this department to prepare drawings and specifications for an eight-room school building, to be located on Morrison avenue, near Grove street, Ward 7. Drawings and specifications were prepared, and estimates asked for, which were received and opened in the Mayor's office as follows:—

	Rock Exc. per cu. yd.	
George M. Starbird		\$41,269 00
Charles King & Co.	\$1 50	39,343 00
Orne & Lawrence	2 50	39,283 00
William J. Mabie	2 50	38,475 00
Stephen Brennan	2 00	36,766 00
J. M. Andrews & Son	2 50	36,544 00
Lord Brothers	2 50	36,358 00
Alfred H. Hines	3 00	36,183 00
George M. Davis & Son	2 50	35,675 00
H. P. Cummings & Co.	3 50	34,892 00
Arthur W. Berry	2 50	33,552 00
F. C. Alexander	3 00	32,990 00

The lowest bidder was F. C. Alexander, of Somerville, and he was awarded the contract.

The work on this building was commenced immediately after the contract was signed, and, having progressed satisfactorily, is at the present time well up toward the second floor level. It is expected that this building will be ready for occupancy in September, 1903.

City Home.

A new bath and toilet room was installed in this building for the use of the family of the Superintendent. For this purpose a small room was used on the second floor. Estimates were received as follows:—

James F. Davlin	\$273 00
Thomas H. Naughton	230 00
Charles W. Cahalan	220 00

The contract was awarded to Charles W. Cahalan, of Broadway, Somerville, and the work was immediately installed, after signing the contract.

Hodgkins School.

During the year it was found necessary to re-tube one of the boilers at the Hodgkins School on Holland street. Estimates were received as follows:—

Forster Furnace Company	\$250 00
A. Duncan & Co.	200 00
A. A. Sanborn	170 00

The contract was awarded to A. A. Sanborn & Co.

School Buildings, Care and Repair.

In addition to the special work on the various school buildings, which is found described elsewhere in this report, the general work of caring for these buildings has been carried on as usual. The continual demand for modern improvements in the various buildings must be met by the expenditure of a liberal amount of money for such changes.

Fuel.

One of the most perplexing problems which required the attention of this department during the year was that of furnishing fuel for the public buildings. On account of the serious state of affairs in the mining district, it was found impossible to make a contract for fuel as usual. This exigency was met, however, by an agreement which was made by His Honor the Mayor with the Wellington-Wild Coal Co. for a supply of fuel which would supply the buildings of the city until January, 1903.

This supply was furnished at a price which was only a slight advance over the regular price.

Consumption of Fuel.

SCHOOLHOUSES.

	Tons.
Baxter	46
Bell	55
Bennett	2
Bingham	70
Brown	78
Burns	71
Carr	173

Amount carried forward	495
----------------------------------	-----

Amount brought forward	495
Cummings	8
Davis	5
Durell	38
Edgerly	78
Forster	208
Glines	79
Hanscom	59
High	294
Highland	70
Hodgkins	63
Knapp	120
Lincoln	10
Morse	104
Perry	58
Pope	82
Prescott	142
Prospect Hill	30
Clark Bennett	56
Total	<u>1,999</u>

Fire Buildings.

Central Fire Station	85
Steamer 2	39
Steamer 4	40
Hose 2	5
Hose 3 and Ladder 1	12
Hose 5	19
Hose 6	20
Ladder 2	27
Total	<u>247</u>

MISCELLANEOUS.

City Hall	75
City Hall Annex	36
City Home	12
Police	94
Public Library	97
Total	<u>314</u>

The table above shows the consumption of fuel for the seven months beginning June 1, 1902, and ending December 31, 1902.

Cost of Maintenance.

The cost of maintenance of the several public buildings is shown by the following tables:—

SCHOOLHOUSES.

BUILDING.	JANITOR.	FUEL.	LIGHT.	REPAIRS.	TOTAL.
Baxter . . .	\$600 00	\$206 22	\$18 00	\$306 42	\$1,130 64
Bell . . .	1,024 00	301 86	281 39	712 05	2,319 30
Bennett . . .	279 28	. . . .	. . . .	20 75	300 03
Clark Bennett . . .	346 96	300 70	. . . .	981 44	1,629 10
Bingham . . .	600 00	373 56	. . . .	322 88	1,296 44
Brown . . .	600 00	401 13	13 50	146 87	1,161 50
Burns . . .	600 00	379 79	20 00	475 86	1,475 65
Carr . . .	1,200 00	865 41	17 15	326 58	2,409 14
Cummings . . .	380 00	95 30	. . . .	192 52	667 82
Davis . . .	446 64	46 25	30 34	166 33	689 56
Durell . . .	540 00	203 05	. . . .	114 05	857 10
Edgerly . . .	850 00	403 88	35 70	306 46	1,596 04
Forster . . .	1,757 00	1,047 64	150 78	994 57	3,949 99
Glines . . .	950 00	383 90	239 03	1,513 76	3,086 69
Hanscom . . .	600 00	362 85	3 33	445 25	1,411 43
English High . . .	1,205 00	. . . .	787 44	903 40	2,895 84
Latin High . . .	2,122 50	1,374 90	93 20	514 59	4,105 19
Highland . . .	890 00	619 02	53 60	212 17	1,774 79
Hodgkins . . .	890 00	326 98	23 90	629 54	1,870 42
Knapp . . .	902 00	588 30	66 10	585 47	2,141 87
Lincoln . . .	480 00	81 00	. . . .	173 87	734 87
Morse . . .	830 00	619 92	16 95	546 08	2,012 95
Perry . . .	600 00	286 70	2 00	105 26	993 96
Pope . . .	830 00	576 93	36 40	459 83	1,903 16
Prescott . . .	906 00	712 21	86 42	598 39	2,303 02
Prospect Hill . . .	347 50	143 50	3 80	17 39	512 19
Total . . .	\$20,776 88	\$10,701 00	\$1,979 03	\$11,771 78	\$45,228 69
Repair shop . . . . .	. . . . .	. . . . .	. . . . .	. . . . .	125 15
School supplies . . . . .	. . . . .	. . . . .	. . . . .	. . . . .	1,162 50
Sundry expenses . . . . .	. . . . .	. . . . .	. . . . .	. . . . .	526 82
Total maintenance of schoolhouses					\$47,042 16

The total cost shown for fuel is for same from June 1, 1902, to December 31, 1902.

FIRE BUILDINGS.

BUILDING.	FUEL.	LIGHT.	REPAIRS.	SUPPLIES.	TOTAL.
Central Station . . .	\$449 04	\$346 51	\$520 76	\$27 87	\$1,344 18
Steamer 2	223 19	173 29	430 79	8 11	835 38
Steamer 4	200 55	102 35	561 24	1 20	865 34
Hose 2	27 75	79 25	762 17	0 75	869 92
Hose 3 and Ladder 1 .	60 10	110 02	71 40	2 38	243 90
Hose 5	93 57	91 63	391 55	. . .	576 75
Hose 6	105 48	80 07	145 78	3 4	334 79
Hose 7 and Ladder 2 .	137 35	58 69	340 23	2 08	538 35
Total	\$1,297 03	\$1,041 81	\$3,223 92	\$45 85	\$5,608 61

MISCELLANEOUS.

BUILDING.	JANITOR.	FUEL.	LIGHT.	REPAIRS.	SUPPLIES.	TOTAL.
City Hall	\$1,702 00	\$375 56	\$835 87	\$377 13	\$77 54	\$3,368 10
City Hall Annex . . .	420 00	194 37	41 23	278 68	4 75	939 03
Public Library	1,026 00	463 23	1,833 37	821 46	33 53	4,177 59
Police	1,112 00	470 93	732 07	483 78	126 37	2,925 15
Health . . . . .	. . . . .	27 81	72 50	269 48	2 37	372 16
Highways . . . . .	. . . . .	. . . . .	103 59	86 93	. . . . .	190 52
Public Grounds . . . .	. . . . .	21 78	. . . . .	. . . . .	. . . . .	21 78
Sewers . . . . .	. . . . .	19 00	. . . . .	30 14	. . . . .	49 14
Support of Poor . . . .	. . . . .	100 43	232 58	534 75	3 65	871 41
Water . . . . .	. . . . .	. . . . .	76 14	53 80	4 01	133 95
Total	\$4,260 00	\$1,673 11	\$3,927 35	\$2,936 15	\$252 22	\$13,048 83

The total cost for fuel is for same from June 1, 1902, to December 31, 1902.

Respectfully submitted,

F. C. FULLER,
Commissioner Public Buildings

REPORT OF COMMISSIONER OF ELECTRIC LINES AND LIGHTS.

OFFICE OF COMMISSIONER OF ELECTRIC LINES AND LIGHTS, }
January 1, 1903. }

To His Honor, the Mayor, and the Board of Aldermen:—

Gentlemen,—I herewith submit my seventh annual report, for the year ending December 31, 1902:—

Electrical Department.

This department has the care and maintenance of the fire alarm and police signal systems, electrical apparatus and wiring of school and other public buildings, and all other electrical appliances belonging to the city, and a general supervision of street lighting. The poles and wires of all companies are under the jurisdiction of this department, also the inspection of electric wires in all buildings.

The department must be prepared to answer any call, day or night, when notice is received of any poles or wires down in the streets, and take the necessary measures to render public travel safe.

It also answers all alarms of fire and looks after electric wires on the premises, making them as safe as possible until the company owning the same takes them in charge.

Fire Alarm Service.

The equipment of this department consists of the following apparatus: One hundred and one fire alarm boxes, one eight-circuit repeater, one eighteen-circuit fuse board, eight tower bell strikers, twenty-nine gongs, eight indicators, twenty small tappers, six relays, three hundred and eighty-eight cells of storage battery, two hundred and eighty cells of open-circuit battery, thirty-five open-circuit tap bells, and one hundred and twenty-two miles of wire.

The city at the present time is well equipped with fire alarm boxes, with the possible exception of some of the new territory now being built upon in West Somerville.

I would again recommend the placing of the wires underground; not only the city wires, which are harmless in themselves, but also the high tension wires, which are a source of danger in time of storm and high winds if crossed with other wires.

During the year a special line has been built connecting the Somerville Hospital with the nearest fire station, so that instant notice may be given in case of fire.

The old storage battery at the Central Fire Station, which had been in service some six years, has been replaced by a new one, which places this part of the equipment in first-class condition.

Several miles of old wire have been taken down and replaced by new. This was necessary to keep the lines in good order.

Police Signal.

This system has received the usual careful attention, and is in good working order. No new boxes have been added this year, as, up to the present time, the number in service has been adequate, but with the increase of officers more boxes will be needed the coming year.

Street Lights.

The total number of lights in the city consists of the following: Four hundred and seventy-eight arc lights, four hundred and thirty-one incandescent lights, and three Welsbach lights.

The number of arc lights in use in the city having exceeded four hundred and seventy-five, the price, according to the terms of the contract with the electric light company, was reduced from \$110.00 to \$105.00 for each arc light per year.

I consider the city at the present time remarkably well lighted. During the ensuing year a few lights will be needed, as there is still some territory in need of street lights.

There are only three Welsbach lights now maintained in the city. They are located on Westwood road. The expense of these lights is somewhat in excess of the cost of incandescents, but the abutters prefer them and pay the city the difference in cost, rather than have the incandescents, with the necessary poles and wires.

ELECTRICAL DEPARTMENT.

CREDIT.

Appropriation	\$7,500 00
Receipts:—	
George H. Streeter, cutting wires	8 00
R. H. Sturtevant, cutting wires	6 00
J. F. McCarthy, zinc and copper	19 40
Western Electric Co., wire returned	22 50
	<hr/>
Total credit	\$7,555 90
Amount carried forward	<hr/> \$7,555 90

Amount brought forward \$7,555 90

DEBIT.

Labor on wires, etc.	\$3,576 93
Salary of commissioner	1,300 00
Fire alarm boxes (2)	250 00
Wires, insulators, etc.	1,148 90
Batteries, elements, jars, etc.	547 00
Board of two horses	300 00
Wagon repairs	50 55
Harness, and repairing same	20 65
Printing, expressing, postage	51 61
Incidentals	49 30

Total debit \$7,294 94

Balance unexpended \$260 96

STREET LIGHTS.

CREDIT.

Appropriation	\$63,000 00
Receipts:—	
Abutters on Westwood road, part cost of maintaining Welsbach lights	54 00

Total credit \$63,054 00

DEBIT.

Expenditures:—	
Somerville Electric Light Co., lighting	\$62,209 92
Welsbach Street Lighting Co. of America, lighting	154 75
Somerville Electric Light Co., changing location of poles	61 00
Incidentals	113 80

Total debit \$62,539 47

Balance unexpended \$514 53

EDWARD BACKUS,
Commissioner 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, 65,500.

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. EDWARD GLINES.

Water Commissioner

FRANK E. MERRILL.

Office of the Water Department,

Room 10, City Hall.

Department Buildings and Yard,

Cedar street, near Broadway.

REPORT OF THE WATER COMMISSIONER.

OFFICE OF THE WATER COMMISSIONER, }
 January 1, 1903. }

To His Honor, the Mayor, and the Board of Aldermen:—

I present herewith my report for the year ending December 31, 1902, this being the twenty-ninth annual report made by the Water Department:—

Water Income.

Water bills have been issued as follows:—

10,549 "Annual" water bills, amounting to	\$157,738 80
1,995 "Additional" water bills, amounting to	7,907 63
863 "Metered" water bills, amounting to	50,754 76
	\$216,401 19
Abatements made on the above charges	2,301 18
	\$214,100 01

This amount includes:—

Uncollected "Metered" water bills, not due until January 1, 1903	\$13,891 78
Uncollected "Annual" water bills	113 40
Uncollected "Additional" water bills	7 50
	\$14,012 68

and should be reduced by the amount of abatements on water charges of previous years as follows:—

On "Annual" water bills, 1900 account	\$14 00
On "Annual" water bills, 1901 account	120 50
	134 50
	\$213,965 51

The account has credit for the amount received from the Commonwealth of Massachusetts, distribution of entrance fees, water supplied outside of district, and water furnished water companies, 1902, under Section 3, Chapter 488, Acts 1895	907 53
	\$214,873 04

Total amount credited to Water Income account \$214,873 04

This amount was applied under provisions of the appropriation order of the Board of Aldermen as follows:—

For water works purposes:—

Appropriation for Maintenance	\$41,780 00
Amount carried forward	\$41,780 00

Amount brought forward	\$41,780 00	
Appropriation for Extension	12,700 00	
Appropriation for Abate- ments	410 00	
Interest on Water Loan Bonds	6,790 00	
Maturing Water Loan Bonds	29,000 00	
Metropolitan Water Works Assessment	62,397 89	
	<hr/>	\$153,077 89

For other municipal purposes:—

Appropriation for Sewers, Maintenance	10,500 00	
Interest on Sewer Loan Bonds	6,622 00	
Maturing Sewer Loan Bonds	9,000 00	
Appropriation for Fire De- partment	22,000 00	
Appropriation for Board of Health	7,500 00	
	<hr/>	55,622 00
Reduction of Funded Debt (balance)		6,173 15
		<hr/>
		\$214,873 04

Amount to reduction of Funded Debt
from Water Department:—

Balance of Water Income	\$6,173 15
Balance of Water Mainte- nance Appropriation	6,693 98
Balance of Water Works Extension Appropria- tion	135 88
Balance of Appropriation for Abatement	184 30
	<hr/>
	\$13,187 31

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. The value of this water, based on the charges of the year 1899, is about \$12,000.

Department Receipts and Disbursements.

WATER MAINTENANCE ACCOUNT.

	Dr.	Cr.
Amount appropriated by Board of Aldermen from water income		\$41,780 00
Sundry receipts for labor and materials		1,335 06
Receipts from other sources		228 00
Labor and materials furnished sundry per- sons	\$1,586 84	
Amount expended for labor and materials for maintenance of the water works and renewals of pipe	35,062 24	
	<hr/>	<hr/>
Amounts carried forward	\$36,649 08	\$43,343 06

Amounts brought forward	\$36,649 08	\$43,343 06
Unexpended balance of appropriation	6,693 98	
	\$43,343 06	\$43,343 06

WATER WORKS EXTENSION ACCOUNT.

	DR.	Cr.
Amount appropriated by Board of Aldermen from water income		\$12,700 00
Receipts from 190 Water Service Assessments		3,575 80
Labor and materials used in extension of the water works	\$16,139 92	
Unexpended balance of appropriation	135 88	
	\$16,275 80	\$16,275 80

REFUND ACCOUNT.

	DR.	Cr.
Amount appropriated by Board of Aldermen from water income		\$410 00
Amount refunded to Water Consumers	\$225 70	
Unexpended balance of appropriation	184 30	
	\$410 00	\$410 00

Cost of Water Works.

The total cost of the water works on December 31, 1901, as represented by the expenditures from appropriations for water works extension, was	\$785,690 22
Expended during the year 1902, on extension account	16,139 92
	\$801,830 14

Water Debt.

The indebtedness of the city on account of the water works on December 31, 1901, was \$175,000; this debt has been reduced during the year 1902 by the payments of bonds, maturing July 1 and October 1, to the amount of \$29,000; the indebtedness being now represented by bonds drawing interest as follows:—

- \$136,000.00 at 4 per cent. per annum.
- 10,000.00 at 5½ per cent. per annum.

Total . . . \$146,000.00

These bonds become due as follows:—

YEAR.	AMOUNT.	YEAR.	AMOUNT.
1903	\$23,000	1912	\$6,000
1904	15,000	1913	6,000
1905	6,000	1914	6,000
1906	16,000	1915	5,000
1907	17,000	1916	5,000
1908	7,000	1917	5,000
1909	6,000	1918	5,000
1910	6,000	1919	4,000
1911	6,000	1920	2,000

The following table, exhibiting the financial condition of the department from its first movements, is presented for reference and comparison:—

YEAR.	Water Loan Bonds Issued on Funded Debt Account.	Reduction of Funded Debt by Payments of Water Loan Bonds.	Expenditures for Construction of Water Works.	Revenue from Water Works.
1869	\$80,000 00		\$92,203 27	\$911 39
1870	60,000 00		66,546 50	1,907 63
1871	60,000 00		43,648 66	3,151 30
1872	90,000 00	\$50,000 00	43,288 33	3,719 91
1873	60,000 00	20,000 00	27,691 26	5,084 97
1874	15,000 00		34,294 06	6,818 20
1875	20,000 00		13,375 76	9,652 37
1876	70,000 00	60,000 00	6,409 49	10,268 06
1877	10,000 00		13,845 74	10,735 90
1878	30,000 00	30,000 00	514 13	11,584 89
1879			791 56	12,341 60
1880	60,000 00	60,000 00		12,999 79
1881	40,000 00	40,000 00		14,697 37
1882	90,000 00	90,000 00		19,354 28
1883	7,500 00	7,500 00		19,661 67
1884	20,000 00	20,000 00		20,085 95
1885	20,000 00	20,000 00		21,542 28
1886	55,500 00	55,500 00		21,444 91
1887	9,000 00	9,000 00		42,650 57
1888	25,000 00	96,500 00	19,338 89	50,419 07
1889	90,000 00	19,000 00	81,117 43	51,470 91
1890	55,000 00	13,000 00	53,411 79	55,879 72
1891	10,000 00	11,000 00	40,708 48	60,150 80
1892	28,000 00	28,000 00	34,863 17	77,646 91
1893		17,000 00	35,545 30	78,459 73
1894		18,000 00	28,375 67	83,401 30
1895		19,000 00	32,007 44	89,431 46
1896	12,000 00	18,500 00	16,631 83	95,719 69
1897		21,000 00	10,000 00	99,688 57
1898		22,000 00	26,970 22	200,735 03
1899		32,500 00	19,978 59	214,280 83
1900		32,500 00	24,927 06	222,322 15
1901		32,000 00	19,205 59	212,072 56
1902		29,000 00	16,139 92	213,965 51
	\$1,017,000 00	\$871,000 00	\$801,830 14	\$2,054,251 28

Total issue \$1,017,000 00
 Total payments 871,000 00

Present water debt \$146,000 00

Inspection and Waste.

During the year 11,010 house visitations have been made for data in assessing the water charges. As a result of the careful inspection which has been made for leaks and wastes of water, the number of defective fixtures reported is somewhat less than that of a year ago, the figures being:—

Water closets and tanks	1,404
Faucets	757
Pipes	56
	<hr/>
Total	2,217

It is noticeable that by far the largest number of leaks exist in the automatic water closet valves. There would be some recompense for this loss of water if it served the useful purpose of flushing the soil and drain pipes, but the quantity thus wasted, while very large in the aggregate, is, in any particular case, too small in its flow to be of any sanitary benefit.

Numerous instances have been found of water waste by the occupants of premises fastening open the float valves and leaving faucets open, to allow the water to run continuously during cold weather.

It has been decided to place meters on all premises where a wilful waste of water is known to exist.

Extension of Street Mains.

To keep pace with building operations, and to secure water circulation, main pipes have been laid in Powder House boulevard, Boston avenue, Warner street, Prichard avenue, Pearson avenue, Sumner street, Munroe street, Calvin street, and Fenwick street.

A twelve-inch high-service main has been laid in Holland street, from Gorham street to a point near the Boston & Maine Railroad crossing, connecting there with the high-pressure pipe line previously laid from Cedar street, through Highland avenue and Davis square. This makes a connecting link between the formerly separated high-service districts of the city, and is of advantage in equalizing the pressure over the high-service system, and in giving the system the benefit of two connections with the Metropolitan high-service main, one in Professors row, at Boston avenue, and the other in Broadway, at Cedar street.

The total length of main pipes extended was 6,622 feet, making the entire length of street mains in the city about 87 miles, 4,261 feet.

Renewal of Street Mains.

The work of replacing the old cement-lined mains still goes on; 10,060 feet of pipe were thus renewed during the year. The principal streets thus benefited were: Hathorn street, Howe street, Lincoln street, Prospect Hill avenue, and portions of Boston street, Broadway, Central street, Munroe street, Packard avenue, Pearl street, and Preston road. In addition, there were many renewals of side street connections and of hydrant branches.

As there is but little more than a mile of this old pipe now in use, it seems good policy to complete the substitution of cast-iron mains the coming season.

Hydrants, Gates, Etc.

Forty-three hydrants have been set, and fourteen have been removed, making the net increase twenty-nine and the total number in the city 955. Two fire hydrants have been set by the Middlesex Paper Company in their yard, increasing the number of private fire hydrants to forty-four.

Fifty-eight water gates have been set and twenty-three removed, making a net increase of thirty-five; the total number in the city is 1,283.

Eight blow-off connections have been made and one abandoned, the total number now being 123.

Two new waterposts have been set for the benefit of the street watering department in the following locations:—

Cedar street, near Morrison avenue,
Pleasant avenue, near Walnut street,

making the total number in the city sixty-eight.

The waterpost formerly standing on Highland avenue, in front of No. 237, has been removed to Lowell street, thirty-four feet north from Highland avenue, and the one on Columbus avenue, opposite Stone avenue, has been moved to a point fifty-four feet east from Walnut street.

Service Pipes.

During 1902 there were laid 190 new service pipes; the total length was 7,569 feet. The amount received therefor was \$3,575.80, which has been credited to water works extension account. The total length of service pipes in the city is about sixty-eight miles, 1,130 feet, and the number of house connections 10,710.

One hundred and seventy-six leaks on service pipes were repaired during the year. New gates and boxes have been set, old boxes raised and lowered to grade, pipes cleaned, and general repairs made as became necessary.

Meters.

The policy of metering all new apartment houses of three or more tenements was determined upon early in the year, and in pursuance thereof twenty-six meters were set on this class of premises. The number of meters in operation December 31 was 269, a net increase for the year of forty-five, as shown in detail in the following table.

Under the ruling of the Metropolitan water and sewerage board, it will be necessary to meter premises where the occupants desire to use a lawn sprinkler or to use a hand hose at any other time of the day than between 5 and 8 o'clock A. M. and 5 and 8 o'clock P. M.

At the beginning of the year the number of meters in operation was	224
The number of operating meters added during the year was	53
Meters removed during the year	8
Total number of meters in operation December 31, 1902	269
Motor and elevator clocks in operation December 31, 1902	9

METERS IN USE DECEMBER 31, 1902.

	5/8"	3/4"	1"	1 1/2"	2"	3"	4"	6"	Total.
Nash	4								4
Empire . . .	1								1
Crown	6	6	4	1	1	1	1	1	21
Gem							1		1
Hersey			7	1	1	3			12
Hersey Disc .	8		6	1	2				17
Torrent . . .								1	1
Trident . . .	52	47	20	6	6	1	1		133
Union	6	10	9	2	6	1	2		36
Union Special		13	7						20
Lambert . . .	23								23
Totals	100	76	53	11	16	6	5	2	269

In 1902 there passed through the meters 47,349,160 cubic feet, or 354,171,716 gallons, of water, for which the city received \$50,733.53, an average of about 10.71 cents per 100 cubic feet, or 14.32 cents per 1,000 gallons. This quantity of water represents an average per capita consumption of about fifteen gallons daily. Of this quantity, about 301,000,000 gallons was used for manufacturing and industrial purposes; this is about eighty-five per cent. of the whole quantity, or a daily per capita use for these purposes of about thirteen gallons.

Summary of Pipes and Fixtures.

Following is a general summary of the pipes and fixtures of the water system, December 31, 1902:—

Number of feet of main pipe (approximately)	463,621
Number of feet of service pipe (approximately)	360,170
Number of service connections (approximately)	10,710
Number of public fire hydrants	955
Number of private fire hydrants	44
Number of gates	1,283
Number of check valves	7
Number of meters	269
Number of waterposts	68
Number of blow-offs	123

The annual inventory of stock on hand, tools and machinery, teams and stable equipment, pumping apparatus, and furniture shows a valuation of \$20,791.08; the land and buildings of the department are assessed at a valuation of \$32,000, and the general distribution system of the water works has an estimated valuation of \$850,000.

Metropolitan Water Works.

The water furnished by the Metropolitan water works has been of good quality throughout the year.

An average daily quantity of 107,268,000 gallons has been supplied by the Metropolitan water works to the 874,000 people inhabiting the cities and towns in the district. This quantity represents a daily consumption of about 123 gallons per head, an increase from the previous year of 5.6 per cent.

The aqueducts of the Metropolitan water works were greatly taxed during the cold period in December; the consumption on December 9 was over 151,000,000 gallons, or about 28,000,000 gallons greater than the carrying capacity of the aqueducts. The per capita consumption during a portion of this period rose to the high figure of 171 gallons daily, and it was found necessary to draw upon the reserve held in Spot pond. A long continuance of the conditions existing at that time would have led to a serious water famine.

In pursuance of its plan to measure the water supplied to the cities and towns in the district, the Metropolitan Water and Sewerage Board has set during the year the following Venturi meters:—

Location.	Service.	Size. Throat Diam.	
		Inches.	Inches.
Professors row, at Boston avenue	High	12	3.75
Broadway, at Willow avenue	Low	16	5.25
Broadway, at Marshall street	Low	12	4.25
Webster avenue, near R. R. crossing	Low	20	5.75

Several more are to be set during the coming season.

The assessment to be paid by Somerville in 1903 for its water is estimated by the Metropolitan Water and Sewerage Board at \$81,700. This amount may be somewhat reduced, as was the estimated assessment for 1902, by a division of the amount received in premiums on water bonds sold by the State Treasurer.

As a matter of interest, the amount of assessments thus far paid by Somerville toward the cost and operation of the Metropolitan water system, and their distribution, is here given:—

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

The total amount of Metropolitan water loan bonds thus far authorized by the Legislature is \$40,000,000, of which \$33,000,000 has already been expended. The proportion of this indebtedness which Somerville is called upon to pay is about four per cent.

The Metropolitan water act of 1895 provides that the minimum rate to be paid for water in the cities and towns of the water district shall be subject to the approval of the Metropolitan Water and Sewerage Board. Under date of December 11, 1902, this board notified the Water Commissioner as follows: "On November 28, 1902, the board voted 'That, until otherwise provided, the minimum rate which shall be approved for the use of hand hose for lawn sprinkling shall be fixed at \$4.00 per annum, such use to be in conformity with the regulations of the board which were made August 2, 1901.'"

Efforts were made to induce the board to grant a continuance of the \$3 hose rate which was authorized in 1901, but without avail.

The regulations of the board, above referred to, were printed in the report of the Water Commissioner for 1901, and have been incorporated in the department rules governing the use of water.

Equalization of Water Charges.

The subject of a reduction or readjustment of the water rates has been one of annual recurrence, either the Board of Water Commissioners or the present Commissioner having brought the matter before the Mayor in some form of recommendation every year since authority over the rates was vested in the officials of this city.

Under provisions of the Statutes, the water rates cannot be changed except with the approval of the Mayor.

Much study has been given to this subject the past year, taking into consideration the uncertainty as to the amount of our ultimate annual assessment on account of the Metropolitan water works, the conservation of our present water supply, the probable result of the action of the Metropolitan Water and Sewerage Board in measuring the water supplied to us, and the desirability, in making any change, of placing the individual water charges on an equitable basis.

Two methods of assessing water charges are in common use in cities, viz., the "flat rate" system of charging a fixed yearly sum for an unlimited quantity of water, and the "meter" system of charging for water according to the quantity used. Both these systems are now in use in this city. Our present flat rate schedule is inconsistent, and in common with any schedule established on a basis other than that of water consumption, is inequable. A flat rate schedule can be devised, however, that will be more equitable in its distribution of the assessments among our water tax-payers than is the one now in force. Such a schedule

was prepared and submitted to the Mayor in 1900 for approval, as required by statute, but it did not become operative, as the necessary authorization of the Mayor was withheld.

Present conditions, however, point to the extension of our meter system as the rational solution of an equalization of the water charges and, at the same time, of a conservation of the water supply. It is generally admitted that the only truly equitable basis of charging for water is that of assessing the consumer according to the quantity that he uses; it is well known, also, that the meters used for measuring water are now so perfected as to be practically accurate in their registration.

That the water meter has passed the experimental stage is shown by the large numbers now in use throughout the country.

Under the meter system we should furnish, under our present schedule of fourteen cents per 100 cubic feet, 53,573 gallons of water, an abundant supply for an average family for a year, for the sum of \$10. As this quantity represents about one barrel of water per day for each member of a family of five persons, there would seem to be no reason to fear any unsanitary or unhygienic conditions as a result of metering.

The adoption of a meter system should, therefore, result to our water consumers in a reduction of their payment for water for all household purposes in any single family of average size, to \$10 per year. In many cases this sum would be sufficient to allow, also, the use of water in a stable or the use of hand hose.

It would, undoubtedly, increase the water bills on a certain class of tenement and apartment houses where the charges under our present schedule are disproportionately low.

The statements made by the Metropolitan Water and Sewerage Board relative to the large consumption of water in the Metropolitan district, and the consequences thereof, as given in the Board's annual report for 1901, pages 62 to 65, are reasons for the adoption of a meter system that are even more important than the equalization of the rates.

The cost to Somerville of the works already undertaken by the state is conservatively estimated at \$1,600,000. If it becomes necessary to extend these works to more distant points for a further supply, as is suggested by the authorities, we may confidently expect to have to pay a half-million dollars more as our proportion of the cost of that additional work.

As a business proposition, it would seem better for the Metropolitan water district, in which Somerville is a factor next in importance to the city of Boston, to restrict the wasteful use of the water which we have already procured at so great cost, than to be compelled in a comparatively short time to incur a further large indebtedness for the construction of new works. The general adoption of water meters throughout the district would probably postpone the necessity of further extension of the Metropolitan works for many years.

Another reason for the adoption of a meter policy is the fact that the state authorities, as previously mentioned, have recently taken steps to measure the water supplied to us, and in the near future the Legislature may be asked to make the water consumption of the cities in the district an important factor in determining the proportion of their annual assessment.

The situation, as a whole, has led me, therefore, to make the following recommendations:—

1. That the minimum annual charge for water supplied through a meter be reduced from \$15 to \$10.

2. That meters be furnished and set at once on the premises of any property owner who may make application therefor, and as soon as practicable on all premises.

3. That the expense of such installation of meters be borne by the city.

Appended hereto are tables giving further details of the year's work of the department, locations of fire hydrants and other appurtenances of the water works.

Respectfully,

FRANK E. MERRILL,
Water Commissioner.

Locations of New Mains Laid, Length and Size, Number of Gates, Hydrants, Etc., Set in 1902.

NAME OF STREET.	FROM	TO	PIPE LAID.		GATES SET.		HYDRANTS SET.		BLOW-OFFS.		WATER POSTS.	
			Size.	No. Feet.	Size.	No.	Kind.	No.	Size.	No.		
Avon st.	Hydrant	Dead end	6"	7	1½"	1	Mathews	1				
Beckwith circle	Main in Beacon st.	Con. with 6" iron pipe	{ 1½" 1¼" 1"	{ 75 42 37	6"	1	Holyoke	1				
Bigelow st.	Main in Munroe st.	Dead end	{ 6" 6" 6"	{ 7 558 7	10"	1	Mathews Bigelow	1 1				
Boston st.	Main in Rogers ave.	Con. with 6" iron pipe	{ 6" 6" 6"	{ 6 482 53	8" 6" 6"	1 1 1	Holyoke	1	6"	1		
Boston ave.	Hydrant	Con. with 6" iron pipe	{ 2" 6" 6" 6"	{ 37 8 7 4	2" 6" 6" 6"	1 1 1 1	Mathews Mathews B. M.	1 1 1				
Bow-st. pl.	Gate	Dead end.	{ 2" 6"	{ 104 17	6" 6"	1 1						
Broadway	Main in Jaques st.											
Calvin st.	Gate											
Cedar st.	Hydrant											
Cedar st.	Waterpost											
Central st.	Hydrant											
Church st.	Hydrant											
Claremont st.	Gate											
Cleveland st.	Hydrant											
Fenwick st.	Main in Jaques st.											
Glen st.	Gate											
Glendale ave.	Hydrant											
Greenville st.	Gate											
Hathorn st.	Blow-off											
Hathorn st.	Hydrant											
Highland road	Con. with Boston ave.											
Holland st.	H. S. main at So. line of Gorham st.											
Holland st.	By-pass											
Holyoke road	Hydrant											
		Carried forward		2,863		16				12	2	1

Location and Length of Pipes Relaid, Gates and Hydrants Reset, 1902.

NAME OF STREET.	FROM	TO	PIPE LAID.		GATES.				HYDRANTS.				
			Aband.	Relaid.	Length.	Aband.		Reset.		Aband.	Reset.		
						Size.	No.	Size.	No.			Kind.	No.
Albion st.	Con. with Central st.		6"	8"	9								
Beacon st.	Hydrant renewal		4"	6"	4								
Bond st.	Con. with Broadway		8"	8"	4								
Boston st.	7' N fr'm N line Prosp't-hill av.	Con. with 6" iron pipe	6"	6"	419	2	6"	2					
Broadway	Con. at Temple st.	34' E. from E. line Central st.	8"	12"	1,655	2	12"	2					
				6"	57								
Central st.	11' N. from N. line High'd av.	16' N fr'm N. line Willo'by st.	12"	12"	1,229	1	12"	1					
Central st.	Con. with 12" N. side bridge.	Con. with 12" n r Medford st.	4"	6"	16								
Central st.	Hydrant renewal		12"	12"	1,100	1	12"	1					
Conwell st.	10' N. from N. line Som. av.	16' N. from N. line Summer st.	6"	6"	11								
Dartmouth st.	Hydrant renewal		6"	6"	19								
Electric ave.	Con. with Broadway.		6"	6"	3								
Fenwick st.	Con. with Packard ave.		6"	6"	5								
Florence st.	Con. with Broadway		6"	6"	20								
Franklin st.	Hydrant connection		8"	12"	33	1	12"	1					
Garfield ave.	Con. with Pearl st.		6"	8"	4	1	4"						
Gibbens st.	Hydrant renewal		6"	6"	2								
Glen st.	Hydrant renewal		6"	6"	3								
Corham st.	Con. with Pearl st.		4"	6"	20								
Greenville st.	Con. with Holland st.		8"	8"	14								
Hathorn st.	Con. with Munroe st.		6"	6"	3								
Hillside ave.	23' So. from So. line Br'dw'y	N. line Arlington st.	6"	6"	362	1	6"	1					
Holland st.	Con. with Pearl st.		4"	4"	5								
Howe st.	S. line Corham st.	Con. with 12" iron pipe	12"	12"	24	1	12"	1					
	5' E. fr' m W. line M'rsh'l st.	5' W. from E. line School st.	4"	6"	6	1	12"	1					
		Carried forward			457	1	6"	2					
					5,488	13		11					9

LOCATION AND LENGTH OF PIPES RELAID, GATES AND HYDRANTS RESET, 1902.—Concluded.

NAME OF STREET.	FROM	To	PIPE LAID			GATES.			HYDRANTS.				
			Aband.	Relaid.	Length.	Aband.		Reset.		Aband.		Reset.	
						Size.	No.	Size.	No.	Kind.	No.	Kind.	No.
Lake st.	Hydrant renewal	Brought forward	6"	6"	5,488	13	11						
Lincoln st.	2' N. fr'm So. line Broadway	Main in Perkins st.	8"	8"	594	2	2			Chapman	9	Mathews	9
Main st.	Con. with Broadway		8"	6"	6					Holyoke	1	Holyoke	1
Munroe st.	{ Con. near Greenville st.		8"	10"	8								
Packard ave.	{ Main in Walnut st.	Con. at W. line house No. 77	6"	8"	675	1	1						
Pearl st.	North line of Broadway.	Con. with No. side Boulevard	12"	10"	878								
Preston road.	12' E. from E. line Cross st.	23' E. from W. line Myrtle st.	8"	{ 12"	1,262	3	3			Holyoke	2	Holyoke	2
Prospect Hill ave.	Main in School st.	Con. with 6" iron pipe	6"	6"	369	1	1			Mathews	1	Mathews	1
Rush st.	Main in Medford st.	Main in Munroe st.	6"	{ 8"	649	2	2						
School st.	Con. with Pearl st		8"	8"	6								
Sycamore st.	Con. with Broadway		6"	10"	5								
Thurston st.	Con. with Broadway		6"	8"	21								
West st.	Con. with Broadway		6"	6"	45								
Winter-hill circle.	Con. with Broadway		6"	6"	32								
			4"	4"	4								
			4"	4"	3								
		Total			10,060	23	21				14		14

Hydrants—Construction Account.

New hydrants have been set in the following locations:—

- Avon street, 270 feet west from School street, 6-inch Mathews.
 Boston street, 11 feet west from Prospect Hill avenue, 6-inch Holyoke.
 Boston avenue, 65 feet north from Highland road, 6-inch Mathews.
 Bow-street place, 193 feet west from Bow street, 4-inch Bigelow.
 Calvin street, 186 feet south from Beacon street, 6-inch Holyoke.
 Central street, 92 feet north from Highland avenue, 6-inch Mathews.
 Church street, 12 feet north from Lake street, 6-inch Mathews.
 Cleveland street, 192 feet west from Central street, 6-inch Boston Machine.
 Glendale avenue, 8 feet east from Yorktown street, 6-inch Holyoke.
 Hathorn street, 145 feet south from Broadway, 6-inch Holyoke.
 Holland street, 23 feet south from Winter street, 6-inch Holyoke.
 Holyoke road, 167 feet south from Elm street, 4-inch Holyoke.
 Howe street, 162 feet east from School street, 6-inch Mathews.
 Josephine avenue, 90 feet south from Frederick avenue, 6-inch Mathews.
 Lincoln street, 38 feet south from Broadway, 6-inch Holyoke.
 Linwood street, 12 feet north from Linwood terrace, 6-inch Mathews.
 Linwood street, 125 feet north from London street, 6-inch Mathews.
 Munroe street, 6 feet west from Bigelow street, 6-inch Mathews.
 Pearl street, 29 feet east from Franklin street, 6-inch Holyoke.
 Pearl street, 90 feet east from Cross street, 6-inch Mathews.
 Poplar street, 22 feet east from Linwood street, 6-inch Coffin.
 Powder House boulevard, 172 feet south from Curtis street, 6-inch Holyoke.
 Powder House boulevard, 191 feet north from Packard avenue, 6-inch Holyoke.
 Preston road, 166 feet south from Summer street, 6-inch Mathews.
 Spencer avenue, 290 feet west from Cedar street, 6-inch Holyoke.
 Victoria street, 506 feet south from Broadway, 6-inch Mathews.
 Victoria street, 151 feet north from Woodstock street, 6-inch Mathews.
 Ware street, 638 feet west from Curtis street, 6-inch Mathews.
 Warner street, 60 feet north from Broadway, 6-inch Mathews.

The following changes have been made in the kind and locations of hydrants:—

Hydrants—Renewal Account.

- Beacon street, 6-inch Mathews hydrant, set 4 feet west from Ivaloo street, and 4-inch Boston Machine hydrant removed from same location.
 Boston street, 6-inch Holyoke hydrant, set 207 feet west from Bigelow street, and 4-inch Coffin hydrant removed from same location.
 Broadway, 6-inch Holyoke hydrant, set 10 feet west from Thurston street, and 6-inch Holyoke hydrant removed from corner of Thurston street.
 Broadway, 6-inch Mathews hydrant, set 4 feet west from School street, and 6-inch Holyoke hydrant removed from 3 feet west from School street.
 Central street, 6-inch Holyoke hydrant, set 9 feet north from Willoughby street, and 6-inch Holyoke hydrant removed from 6 feet north from Albion street.
 Central street, 6-inch Mathews hydrant, set 5 feet north from Pembroke street, and 4-inch Holyoke hydrant removed from 9 feet north from Vernon street.
 Conwell street, 6-inch Holyoke hydrant, set 6 feet south from Highland avenue, and 6-inch Holyoke hydrant removed from same location.

Garfield avenue, 6-inch Holyoke hydrant, set 24 feet south from Mystic avenue, and 6-inch Holyoke hydrant removed from same location.
 Gibbens street, 6-inch Mathews hydrant, set 202 feet west from Central street, and 6-inch Holyoke hydrant removed from same location.
 Lake street, 6-inch Mathews hydrant, set 4 feet east from Carlton street, and 6-inch Chapman hydrant removed from same location.
 Lincoln street, 6-inch Holyoke hydrant, set 174 feet north from Perkins street, and 4-inch Holyoke hydrant removed from same location.
 Pearl street, 6-inch Holyoke hydrant, set opposite Hillside avenue, and 6-inch Holyoke hydrant removed from 60 feet west from Hillside avenue.
 Pearl street, 6-inch Holyoke hydrant, set 15 feet west from Glen street, and 6-inch Holyoke hydrant removed from 9 feet west from Glen street.
 Preston road, 6-inch Mathews hydrant, set 269 feet west from School street, and 6-inch Mathews hydrant removed from 349 feet west from School street.

Hydrants—Recapitulation.

Number of public hydrants set in 1902	43
“ “ private “ “ “ “	2
	<hr/>
Total number of hydrants set in 1902	45
Number of hydrants removed in 1902	14
Net increase in number of public hydrants, 1902	29
“ “ “ “ “ private “ “	2
	<hr/>
Total net increase in number of hydrants, 1902	31
Total number of public hydrants in the city	955
“ “ “ private hydrants	44
	<hr/>
Total number of all hydrants in the city January 1, 1903	999

Locations of Hydrants.

Adams street, 11 feet south from Broadway.
 Adams street, 221 feet south from Broadway.
 Adams street, 266 feet north from Medford street.
 Adams street, 10 feet north from Medford street.
 Adrian street, 93 feet east from Marion street.
 Adrian street, 220 feet south from Joseph street.
 Allen street, 9 feet north from Charlestown street.
 Allen street, 45 feet east from Somerville avenue.
 Allen street, 323 feet east from Somerville avenue.
 Albion street, 74 feet west from Centre street.
 Albion street, 396 feet west from Central street.
 Albion street, 217 feet east from Lowell street.
 Albion street, 444 feet east from Cedar street.
 Aldersey street, 276 feet west from Walnut street.
 Alpine street, 280 feet east from Cedar street.
 Alpine street, 76 feet west from Princeton street.
 Alpine street, 298 feet west from Lowell street.
 Alston street, 212 feet east from Cross street.
 Alston street, 10 feet west from Shawmut place.
 Ames street, 123 feet west from Central street.
 Appleton street, 3 feet east from Clifton street.
 Appleton street, 41 feet west from Willow avenue.
 Arlington street, 36 feet east from Hathorn street.
 Arthur street, 29 feet south from Broadway.
 Ash avenue, 300 feet north from Meacham street.

Ashland street, 268 feet south from Summer street.
Auburn avenue, 239 feet west from Cross street.
Auburn avenue, 481 feet west from Cross street.
Austin street, 81 feet south from Mystic avenue.
Austin street, 66 feet north from Benedict street.
Austin street, 2 feet north from Broadway.
Avon street, 233 feet east from Central street.
Avon street, 572 feet west from School street.
Avon street, 270 feet west from School street.
Bañks street, 310 feet south from Summer street.
Bartlett street, 230 feet south from Broadway.
Bartlett street, 223 feet north from Medford street.
Bartlett street, 15 feet south from Ames street.
Bartlett street, 10 feet south from Robinson street.
Beacon street, 316 feet west from Greenwood terrace.
Beacon street, 10 feet east from Stanford terrace.
Beacon street, 46 feet west from Sacramento street.
Beacon street, 15 feet west from Kent street.
Beacon street, 4 feet west from Ivaloo street.
Beacon street, 68 feet east from Park street.
Beacon street, 18 feet east from Durham street.
Beacon street, 26 feet east from Washington street.
Beacon street, 90 feet east from Calvin street.
Beacon street, 194 feet east from Calvin street.
Beacon street, 28 feet west from Buckingham street.
Beacon street, 208 feet east from Buckingham street.
Beacon street, 6 feet east from Concord avenue.
Beech street, 4 feet south from Atherton street.
Beech street, 31 feet east from Spring street.
Belmont street, 206 feet north from Spring Hill terrace.
Belmont street, 241 feet north from Summer street.
Belmont street, 243 feet south from Summer street.
Belmont street, 10 feet north from Belmont place.
Belmont street, 222 feet south from Belmont place.
Belmont street, 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.
Benton road, 28 feet south from Highland avenue.
Berkeley street, 8 feet east from Central street.
Berkeley street, 150 feet east from Hersey street.
Berkeley street, 28 feet west from School street.
Berkeley street, 212 feet west from Hersey street.
Billingham street, 126 feet north from William street.
Bolton street, 203 feet north from Houghton street.
Bolton street, 3 feet south from Oak street.
Bonair street, 26 feet west from Cross street.
Bonair street, 90 feet east from Autumn street.
Bonair street, 121 feet east from Arthur street.
Bonair street, 67 feet east from Dana street.
Bonair street, opposite Melvin street.
Bonair 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
Boston avenue, 492 feet north from **Gove street**.
Boston avenue, 65 feet north from Highland road.
Boston street, 11 feet west from Prospect Hill avenue.
Boston street, 207 feet west from Bigelow street.
Boston street, 87 feet east from Bigelow street.
Boston street, 6 feet north from Munroe street.

Bow street, 102 feet north from Warren avenue.
Bow street, 23 feet west from Wesley park.
Bow street, 25 feet east from Bow-street place.
Bow street, 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.
Brastow avenue, 115 feet west from Lowell street.
Broadway, 50 feet east from Mt. Pleasant street.
Broadway, 20 feet west from George street.
Broadway, 21 feet west from Broadway place.
Broadway, 83 feet east from Cutter street.
Broadway, 7 feet east from Glen street.
Broadway, 21 feet east from Rush street.
Broadway, 15 feet west from Cross street.
Broadway, 7 feet west from Autumn street.
Broadway, 6 feet west from Montgomery avenue.
Broadway, 33 feet west from Walnut street.
Broadway, 4 feet east from Sargent avenue.
Broadway, 3 feet west from Melvin street.
Broadway, 157 feet west from Grant street.
Broadway, 117 feet east from Marshall street.
Broadway, 62 feet west from Marshall street.
Broadway, 4 feet west from School street.
Broadway, 10 feet west from Thurston street.
Broadway, 209 feet east from Central street.
Broadway, 104 feet west from Norwood avenue.
Broadway, 288 feet east from Cedar street.
Broadway, opposite Cedar street.
Broadway, 5 feet east from Wilson avenue.
Broadway, 252 feet west from Wilson avenue.
Broadway, 115 feet west from Rogers avenue.
Broadway, 236 feet west from Liberty avenue.
Broadway, 175 feet west from College avenue.
Broadway, 6 feet west from Billingham street.
Broadway, 9 feet west from Packard avenue.
Broadway, 32 feet east from Westminster street.
Broadway, 237 feet east from Endicott avenue.
Broadway, 6 feet west from Endicott avenue.
Broadway, 9 feet west from Garrison avenue.
Broadway, 330 feet west from Waterhouse street.
Broadway park, near the pond.
Brook street, 18 feet west from Rush street.
Browning road, 302 feet west from Sycamore street.
Browning road, 136 feet east from Central street.
Buckingham street, 2 feet south from Dimick street.
Burnside avenue, 259 feet north from Elm street.
Burnside avenue, 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.
Cameron avenue, opposite Mead street.
Cameron avenue, 26 feet south from Glendale avenue.
Campbell park, 258 feet west from Meacham road.
Cedar street, 226 feet south from Sartwell avenue.
Cedar street, 98 feet north from Sartwell avenue.
Cedar street, 61 feet north from Hall street.
Cedar street, 22 feet south from Highland avenue.
Cedar street, 12 feet north from Highland avenue.

Cedar street, 10 feet north from Albion street.
Cedar street, 124 feet south from Warwick street.
Cedar street, 50 feet north from Clyde street.
Cedar street, 24 feet south from Murdock street.
Cedar street, 270 feet south from Broadway.
Central street, 50 feet south from Broadway.
Central street, 6 feet north from Forster street.
Central street, 5 feet north from Pembroke street.
Central street, 187 feet south from Vernon street.
Central street, 9 feet north from Willoughby street.
Central street, 92 feet north from Highland avenue.
Central street, 9 feet south from Highland avenue.
Central street, 23 feet south from Avon street.
Central street, 14 feet south from Summer street.
Chandler street, 16 feet south from Broadway.
Chandler street, 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.
Chauncey avenue, 11 feet north from Broadway.
Chauncey avenue, 437 feet south from Mystic avenue.
Cherry street, 7 feet south from Sartwell avenue.
Cherry street, 254 feet north from Sartwell avenue.
Cherry street, 252 feet north from Summer street.
Cherry street, 26 feet south from Highland avenue.
Chester street, 15 feet north from Chester place.
Chestnut street, 480 feet south from Poplar street.
Chestnut street, 246 feet south from Poplar street.
Church street, 9 feet south from Summer street.
Church street, 300 feet south from Summer street.
Church street, 29 feet north from Somerville avenue.
Church street, 16 feet south from Somerville avenue.
Church street, 12 feet north from Lake street.
Claremon street, 255 feet south from Holland street.
Clarendon avenue, 253 feet south from Broadway.
Clarendon avenue, opposite house No. 66.
Clarendon avenue, near Cambridge line.
Clark street, 200 feet west from Newton street.
Clark street, 412 feet west from Newton street.
Cleveland street, 192 feet west from Central street.
Clyde street, 250 feet east from Cedar street.
Clyde street, opposite Murdock street.
Columbia street, 3 feet south from Beach avenue.
Columbia street, 8 feet south from Columbia court.
College avenue, 12 feet north from Winter street.
College avenue, 6 feet south from Morrison avenue.
College avenue, 8 feet south from Hall avenue.
College avenue, 53 feet west from Francesca avenue.
College avenue, opposite Kenwood street.
College avenue, 100 feet west from Broadway.
College avenue, 405 feet north from Broadway.
College avenue, 720 feet north from Broadway.
Columbus avenue, 7 feet north from Washington street.
Columbus avenue, 150 feet east from Bonner avenue.
Columbus avenue, 118 feet west from Bonner avenue.
Columbus avenue, 35 feet west from Stone avenue.
Columbus avenue, 8 feet east from Walnut street.
Concord avenue, 154 feet west from Prospect street.
Concord avenue, 76 feet east from Concord square.
Concord avenue, on east line of Knapp school.

Concord avenue, 313 feet east from Springfield street.
Concord avenue, 24 feet east from Springfield street.
Concord avenue, 7 feet east from Marion street.
Concord avenue, 6 feet south from Hammond street.
Concord avenue, 20 feet east from Wyatt street.
Conwell avenue, 20 feet west from Curtis street.
Conwell avenue, 460 feet west from Curtis street.
Conwell street, 6 feet south from Highland avenue.
Conwell street, 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.
Craigie street, 232 feet north from Kimball street.
Craigie street, 77 feet south from Kimball street.
Craigie street, 126 feet north from Somerville avenue.
Crescent street, 80 feet south from Hadley place.
Crocker street, 4 feet south from Highland avenue.
Crocker street, 8 feet north from Crown street.
Cross street, 6 feet north from Pearl street.
Cross street, 32 feet north from Cross-street place.
Cross street, 62 feet north from Flint street.
Cross street, 16 feet north from Gilman street.
Cross street, 13 feet south from Auburn avenue.
Cross street, 39 feet north from Alston street.
Curtis avenue, 206 feet west from Curtis street.
Curtis street, 6 feet north from Broadway.
Curtis street, 3 feet south from Electric avenue.
Curtis street, 137 feet north from Ware street.
Curtis street, 3 feet south from Raymond avenue.
Curtis street, 34 feet south from Professors row.
Curtis street, 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.
Cutter street, 444 feet south from Broadway.
Dane avenue, 162 feet west from Leland street.
Dane avenue, 169 feet east from Dane street.
Dane street, 9 feet north from Tyler street.
Dane street, 260 feet south from Skehan street.
Dane street, 55 feet north from Skehan street.
Dartmouth street, 184 feet south from Broadway.
Dartmouth street, 200 feet north from Evergreen avenue.
Dartmouth street, 53 feet south from Evergreen avenue.
Dartmouth street, 171 feet north from Medford street.
Davis square, 45 feet east from Day street.
Day street, 10 feet south from Davis square.
Day street, opposite Herbert street.
Day street, 195 feet south from Herbert street.
Day street, 4 feet north from Orchard street.
Dell street, 255 feet west from Glen street.
Delaware street, 246 feet east from Aldrich street.
Derby street, 400 feet east from Temple street.
Dickinson street, 20 feet east from Beacon street.
Dickinson street, 7 feet north from Leon street.
Dover street, 22 feet south from Davis square.
Dover street, 203 feet south from Davis square.
Dover street, 312 feet north from Orchard street.
Dover street, 3 feet north from Orchard street.
Durham street, opposite Skehan street.
Durham street, 5 feet west from Hanson street.

Eastman place, 279 feet south from Highland avenue.
Edmands street, 15 feet south from Broadway.
Ellsworth street, 7 feet west from Rush street.
Elm street, 59 feet west from Craigie street.
Elm street, 17 feet west from Porter street.
Elm street, 28 feet east from Linden avenue.
Elm street, 11 feet east from Mossland street.
Elm street, 9 feet west from Cedar street.
Elm street, 153 feet east from Cherry street.
Elm street, 110 feet west from Cherry street.
Elm street, 14 feet east from Burnside avenue.
Elm street, 104 feet east from Willow avenue.
Elm street, 20 feet east from St. James avenue.
Elm street, 9 feet west from Elston street.
Elm street, 90 feet west from Windom street.
Elm street, 25 feet west from Russell street.
Elm street, 11 feet west from Grove street.
Elm street, 82 feet west from Chester street.
Elmwood street, 9 feet south from Holland street.
Elmwood street, 300 feet east from Harrison street.
Elmwood street, 85 feet west from Harrison street.
Eliot street, 3 feet east from Park street.
Endicott avenue, 422 feet south from Broadway.
Evergreen avenue, 8 feet east from School street.
Evergreen avenue, 114 feet east from Sycamore street.
Everett avenue, 5 feet west from Cross street.
Everett avenue, 9 feet east from Dana street.
Everett avenue, 449 feet west from Cross street.
Everett street, opposite Emerson street.
Fairlee street, 134 feet west from Cherry street.
Fairmount avenue, 280 feet west from Curtis street.
Fairmount avenue, opposite Watson street.
Farm lane, 70 feet north from Sumner street.
Farm lane, 67 feet south from Roberts street.
Farragut avenue, 258 feet south from Broadway.
Farragut avenue, 537 feet south from Broadway.
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.
Flint street, 59 feet east from Cross street.
Flint street, 30 feet west from Franklin street.
Florence street, 206 feet south from Perkins street.
Florence street, 7 feet south from Pearl street.
Florence 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.
Francesca avenue, 7 feet west from Liberty avenue.
Franklin street, 14 feet north from Arlington street.
Franklin street, 76 feet south from Webster street.
Franklin street, 156 feet south from Pearl street.
Franklin street, 80 feet south from Oliver street.
Franklin street, 87 feet south from Palmer avenue.
Franklin street, 29 feet north from Washington street.
Fremont street, 82 feet north from Main street.
Fremont street, 343 feet north from Main street.
Fremont street, opposite Meacham street.
Fremont street, 287 feet north from Meacham street.
Fremont street, 25 feet north from East Albion street.
Frost avenue, 75 feet east from Sherman street.

Fountain avenue, 280 feet west from Glen street.
Garden court, 357 feet south from Somerville avenue.
Garfield avenue, 7 feet north from Broadway.
Garfield avenue, 24 feet south from Mystic avenue.
Garrison avenue, 235 feet south from Broadway.
Gibbens street, 202 feet west from Central street.
Gibbens street, 129 feet west from Benton road.
Gilman square, opposite Marshall street.
Gilman street, 103 feet east from Walnut street.
Gilman street, 143 feet east from Jasper street.
Gilman street, 8 feet west from Aldrich street.
Gilman street, 176 feet east from Aldrich street.
Gilman street, 295 feet west from Cross street.
Glass-house court, 360 feet west from Water street.
Glen street, 147 feet south from Broadway.
Glen street, 8 feet north from Brook street.
Glen street, 6 feet north from Webster street.
Glen street, 1 foot north from Flint street.
Glen street, 11 feet north from Fountain avenue.
Glendale avenue, 8 feet east from Yorktown street.
Gorham street, 310 feet south from Holland street.
Gorham 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, 2 feet north from Derby street.
Greene street, 295 feet south from Summer street.
Greenville street, 148 feet north from Boston street.
Greenville street, 33 feet north from Munroe street.
Grove street, 163 feet south from Highland avenue.
Hall avenue, 310 feet east from College avenue.
Hall avenue, 306 feet west from Liberty avenue.
Hall 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.
Hanson street, 9 feet south from Nevada avenue.
Hanson street, 6 feet south from Skehan street.
Harvard street, 13 feet north from Beech street.
Harvard street, 23 feet north from Harvard place.
Harrison street, 77 feet east from Kent street.
Harrison street (Ward 7), 4 feet east from Elmwood street.
Hathorn street, 145 feet south from Broadway.
Hawkins street, 50 feet north from Lake street.
Hawthorne street, 8 feet east from Cutter avenue.
Hawthorne street, 209 feet east from West street.
Heath street, 3 feet west from Temple street.
Heath street, 308 feet west from West street.
Heath street, 100 feet west from Bond street.
Heath street, 4 feet east from Fenwick street.
Heath street, 5 feet east from Moreland street.
Henderson street, 107 feet north from Wilton street.
Herbert street, 163 feet west from Chester street.
Highland avenue, 28 feet west from Hamlet street.
Highland avenue, 5 feet east from Walnut street.
Highland avenue, 262 feet west from Walnut street.
Highland avenue, 80 feet east from Vinal avenue.
Highland avenue, 41 feet west from Putnam street.
Highland avenue, 75 feet west from Prescott street.
Highland avenue, 114 feet west from School street.

Highland avenue, 410 feet west from School street.
Highland avenue, 112 feet west from Trull lane.
Highland avenue, 171 feet east from Central street.
Highland avenue, 214 feet east from Spring Hill terrace.
Highland avenue, 23 feet west from Spring Hill terrace.
Highland avenue, 20 feet west from Belmont street.
Highland avenue, 4 feet east from Tower street.
Highland avenue, 2 feet east from Porter street.
Highland avenue, 212 feet east from Cedar street.
Highland avenue, 63 feet east from Cherry street.
Highland avenue, 35 feet east from Hancock street.
Highland avenue, 4 feet west from Hancock street.
Highland avenue, 44 feet east from Willow avenue.
Highland avenue, 3 feet west from Willow avenue.
Highland avenue, 59 feet east from West street.
Highland avenue, 36 feet west from West street.
Highland avenue, 36 feet east from Grove street.
Highland avenue, 6 feet west from Grove street.
Highland avenue, 218 feet west from Grove street.
Highland avenue, 64 feet east from Davis square.
Highland road, 264 feet north from Morrison avenue.
Hinckley street, 106 feet south from Broadway.
Holland street, 39 feet west from Dover street.
Holland street, 8 feet west from B. & M. R. R. crossing.
Holland street, 23 feet south from Winter street.
Holland street, 5 feet east from Jay street.
Holland street, 3 feet east from Paulina street.
Holland street, 94 feet east from Claremon street.
Holyoke road, 167 feet south from Elm street.
Homer square, 200 feet west from Bonner avenue.
Houghton street, 82 feet west from Prospect street.
Houghton street, 3 feet west from Bolton street.
Houghton street, 10 feet west from Oak street.
Howe street, 162 feet east from School street.
Hudson street, 12 feet east from Waldo street.
Hudson street, opposite Benton road.
Hudson street, 294 feet east from Lowell street.
Hudson street, 362 feet west from Lowell street.
Hudson street, 675 feet west from Lowell street.
Ibbetson street, 256 feet north from Somerville avenue.
Ibbetson street, 6 feet south from Kimball street.
Irving street, 6 feet south from Broadway.
Irving street, 285 feet south from Broadway.
Irving street, 542 feet north from Holland street.
Irving street, 190 feet north from Holland street.
James street, 100 feet north from Pearl street.
Jaques street, 10 feet west from Chauncey avenue.
Jaques street, 8 feet west from Grant street.
Jaques street, 360 feet east from Temple street.
Jaques street, 185 feet west from Temple street.
Jaques street, 410 feet east from Bond street.
Jasper street, 5 feet south from Virginia street.
Jay street, 82 feet north from Howard street.
Jenny Lind avenue, 224 feet south from Broadway.
Jenny Lind avenue, 16 feet north from Vernon street.
Jenny Lind avenue, 320 feet north from Vernon street.
Jenny Lind avenue, 467 feet north from Vernon street.
Joseph street, 100 feet west from Adrian street.
Josephine avenue, 397 feet north from Morrison avenue.
Josephine avenue, 90 feet south from Frederick avenue.
Josephine avenue, 213 feet south from Broadway.

Joy street, 34 feet south from Washington street.
Joy street, 502 feet south from Washington street.
Joy street, 271 feet north from Poplar street.
Kensington avenue, 6 feet north from Broadway.
Kent court, 205 feet west from Kent street.
Kidder avenue, 346 feet east from College avenue.
Kingman court, 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.
Lake street, 4 feet east from Carlton street.
Laurel street, 50 feet north from Greene street.
Laurel street, 8 feet north from Park place.
Lawrence street, 9 feet south from Richardson street.
Leland street, 14 feet south from Dane avenue.
Lexington avenue, 3 feet west from Hancock street.
Liberty avenue, 3 feet north from Kidder avenue.
Liberty avenue, 12 feet north from Mallett street.
Lincoln street, 38 feet south from Broadway.
Lincoln street, 174 feet north from Perkins street.
Lincoln avenue, 206 feet west from Mt. Vernon street.
Linden street, 31 feet north from Charlestown street.
Linden street, 237 feet south from Somerville avenue.
Linden avenue, 118 feet south from Gilson terrace.
Linden avenue, 255 feet south from Olive avenue.
Linden avenue, 30 feet north from Olive avenue.
Line street, 272 feet west from Cooney street.
Line street, 100 feet west from Smith avenue.
Linwood street, 385 feet south from Washington street.
Linwood street, 12 feet north from Linwood terrace.
Linwood street, 48 feet south from Lamson court.
Linwood street, 125 feet north from London street.
Linwood street, 52 feet south from London street.
Linwood 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.
Lowell street, 1 foot north from Fiske avenue.
Lowell street, 183 feet south from Richardson street.
Lowell street, opposite Vernon street.
Lowell street, 3 feet south from Princeton street.
Lowell street, 163 feet south from Highland avenue.
Lowell street, 53 feet north from Crown street.
Lowell street, 351 feet south from Summer street.
Lowell street, 16 feet north from Kimball street.
Madison street, 103 feet west from School street.
Madison street, 467 feet west from School street.
Main street, junction with Broadway.
Main street, 112 feet west from Mt. Vernon avenue.
Main street, west corner of Moreland street.
Mansfield street, 190 feet north from Somerville avenue.
Mansfield street, 189 feet south from Washington street.
Maple avenue, 294 feet east from School street.
Maple street, 7 feet south from Jackson street.
Maple street, 87 feet north from Poplar street.
Marion street, 31 feet south from Adrian street.
Marion street, 74 feet north from Wyatt street.
Marshall street, 80 feet south from Stickney avenue.
Marshall street, 30 feet north from Stickney avenue.
Marshall street, opposite Howe street.
Marshall street, 5 feet north from Evergreen avenue.

Marshall street, 104 feet south from Mortimer place.
Marshall street, 109 feet north from Oakland avenue.
Malloy court, 16 feet south from Somerville avenue.
Meacham road, 4 feet north from Orchard street.
Meacham road, 97 feet north from Kingston street.
Meacham street, 14 feet west from Moreland street.
Mead street, 48 feet east from Claremon street.
Medford street, 50 feet north from Hennessey court.
Medford street, 56 feet north from Lowell street.
Medford street, 14 feet north from Jenny Lind avenue.
Medford street, 16 feet south from Bartlett street.
Medford street, 6 feet north from Central street.
Medford street, 19 feet south from Sycamore street.
Medford street, 15 feet south from Lee street.
Medford street, 46 feet south from Thurston street.
Medford street, 31 feet south from Dartmouth street.
Medford street, 5 feet north from School street.
Medford street, 171 feet north from Marshall street.
Medford street, 266 feet north from Walnut street.
Medford street, 17 feet south from Walnut street.
Medford street, 291 feet south from Walnut street.
Medford street, 8 feet south from Greenville street.
Medford street, 13 feet north from Prospect Hill avenue.
Medford street, 240 feet south from Prospect Hill avenue.
Medford street, opposite Chester avenue.
Medford street, 216 feet south from Washington street.
Medford street, 69 feet north from Jackson street.
Medford street, 21 feet north from Somerville avenue.
Medford street, 382 feet south from Somerville avenue.
Medford street, 220 feet north from Ward street.
Medford street, 55 feet north from Ward street.
Medford street, 91 feet south from Ward street.
Medford street, 46 feet south from South street.
Medford street, 17 feet south from Warren street.
Medford 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.
Monmouth street, 156 feet east from Harvard street.
Montrose street, 10 feet east from Sycamore street.
Montrose street, 287 feet east from Sycamore street.
Montrose street, 259 feet west from School street.
Moore street, 21 feet north from Mead street.
Moore street, 22 feet south from Holland street.
Moore street, 335 feet south from Holland street.
Moreland street, 345 feet north from Meacham street.
Moreland street, 2 feet south from East Albion street.
Morgan street, 125 feet west from Park street.
Morrison avenue, 124 feet west from Cedar street.
Morrison avenue, 44 feet east from Pearson avenue.
Morrison avenue, 124 feet east from Rogers avenue.
Morrison avenue, 13 feet west from Newberne street.
Morrison avenue, 183 feet west from Clifton street.
Morrison avenue, 33 feet west from Grove street.
Mossland street, 114 feet north from Somerville avenue.
Munroe street, 203 feet east from Walnut street.
Munroe street, 6 feet west from Bigelow street.
Munroe street, 289 feet west from Boston street.

Murdock street, 204 feet east from Cedar street.
Murdock street, 610 feet east from Cedar street.
Mt. Vernon avenue, 156 feet north from Heath street.
Mt. Vernon avenue, 38 feet south from Heath street.
Mt. Vernon street, 246 feet north from Washington street.
Mt. Vernon street, 8 feet north from Pearl street.
Mt. Vernon street, 7 feet south from Perkins street.
Mt. Vernon street, 11 feet south from Lincoln avenue.
Mt. Vernon street, 5 feet south from Broadway.
Mt. Pleasant street, 140 feet south from Broadway.
Mt. Pleasant street, 135 feet north from Perkins street.
Myrtle street, 218 feet north from Washington street.
Myrtle street, 460 feet north from Washington street.
Myrtle street, 74 feet south from Pearl street.
Myrtle street, 219 feet north from Pearl street.
Mystic avenue, 90 feet east from Union street.
Mystic avenue, 3 feet west from Union street.
Mystic avenue, 438 feet east from Austin street.
Mystic avenue, 11 feet west from Chauncey avenue.
Mystic avenue, 60 feet west from Temple street.
Mystic avenue, 800 feet east from Moreland street.
Mystic avenue, 544 feet east from Moreland street.
Mystic avenue, 241 feet east from Moreland 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.
Newbury street, 15 feet south from Holland street.
Newbury street, 260 feet south from Holland street.
Newbury street, 558 feet south from Holland street.
Newbury street, 777 feet south from Holland street.
Newbury street, 200 feet north from Cambridge line.
New Cross street, 114 feet north from Broadway.
Newton street, 9 feet west from Joseph street.
Newton street, 9 feet east from Clark street.
Norfolk street, 27 feet south from Webster avenue.
Norfolk street, 227 feet south from Webster avenue.
North street, 18 feet north from Broadway.
North street, 453 feet north from Raymond avenue.
North street, 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.
Oak street, 315 feet north from Houghton street.
Oakland avenue, 109 feet west from Marshall street.
Oliver street, 191 feet east from Cross street.
Oliver street, 15 feet east from Glen street.
Oliver street, 7 feet west from Franklin street.
Orchard street, 8 feet west from Russell street.
Orchard street, west corner Milton street.
Orchard street, 9 feet east from Chester street.
Otis street, 12 feet west from Cross street.
Otis street, 440 feet west from Cross street.
Otis street, 9 feet east from Dana street.
Otis street, 6 feet east from Wigglesworth street.
Oxford street, 280 feet west from School street.
Oxford street, 46 feet east from Trull lane.
Oxford street, 237 feet west from Hersey street.
Park avenue, 83 feet west from College avenue.
Park avenue, 10 feet west from Chandler street.
Park street, opposite Allen court.
Park street, 187 feet north from Beacon street.
Park street, 69 feet south from Somerville avenue.

Partridge avenue, 5 feet south from Broadway.
Partridge avenue, 26 feet north from Medford street.
Partridge avenue, 117 feet south from Medford street.
Partridge avenue, 421 feet south from Medford street.
Partridge avenue, 276 feet north from Vernon street.
Paulina street, 184 feet north from Holland street.
Paulina street, 288 feet south from Broadway.
Paulina street, 5 feet south from Broadway.
Pearl street, 50 feet west from Crescent street.
Pearl street, 7 feet north from Pinckney street.
Pearl street, 29 feet east from Franklin street.
Pearl street, opposite Hillside avenue.
Pearl street, 15 feet west from Glen street.
Pearl street, 90 feet east from Cross street.
Pearl street, 15 feet east from Delaware street.
Pearl street, 30 feet west from Dana street.
Pearl street, 1 foot west from Wigglesworth street.
Pearl street, 6 feet west from Walnut street.
Pearl street, 72 feet east from Bradley street.
Pearl street, 110 feet east from Marshall street.
Pearson road, 127 feet north from Broadway.
Pembroke street, 14 feet east from Tennyson street.
Perkins street, opposite Myrtle street.
Perkins street, 78 feet east from Florence street.
Perkins street, 24 feet east from Pinckney street.
Perkins street, 56 feet east from Perkins place.
Perkins street, 21 feet east from Mt. Pleasant street.
Perry street, 324 feet south from Washington street.
Pinckney street, 11 feet north from Washington street.
Pinckney street, 330 feet south from Pearl street.
Pinckney street, 203 feet north from Pearl street.
Pinckney street, 71 feet south 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.
Poplar street, 22 feet east from Linwood street.
Porter street, 1 foot north from Mountain avenue.
Porter street, 282 feet south from Summer street.
Porter street, 24 feet north from Williams court.
Porter street, 8 feet north from Parker place.
Powder House boulevard, 191 feet north from Packard avenue.
Powder House boulevard, 172 feet south from Curtis street.
Prescott street, 330 feet south from Highland avenue.
Prescott street, 586 feet south from Highland avenue.
Prescott street, 257 feet north from Summer street.
Preston road, 269 feet west from School street.
Preston road, 166 feet south from Summer street.
Pritchard avenue, 255 feet north from Morrison avenue.
Professors row, 39 feet east from College avenue.
Professors row, 158 feet west from Boston avenue.
Professors row, 126 feet west from College avenue.
Professors row, 291 feet west from College avenue.
Professors row, 548 feet east from Packard avenue.
Professors row, 156 feet east from Packard avenue.
Professors row, 3 feet west from Packard avenue.
Professors row, 296 feet west from Packard avenue.
Professors row, 113 feet east from Curtis street.
Prospect Hill avenue, 10 feet north from Munroe street.
Prospect street, 135 feet north from Bennett street.
Prospect street, 35 feet south from Concord avenue.
Prospect street, 185 feet south from Oak street.

Prospect street, 403 feet south from Oak street.
Prospect street, 63 feet north from Houghton street.
Putnam street, 116 feet south from Highland avenue.
Putnam street, 420 feet south from Highland avenue.
Putnam street, 612 feet north from Summer street.
Putnam street, 308 feet north from Summer street.
Quincy street, 91 feet north from Somerville avenue.
Quincy street, 381 feet north from Somerville avenue.
Quincy street, 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.
Rogers avenue, 257 feet north from Frederick avenue.
Rogers avenue, 88 feet south from Frederick avenue.
Rogers avenue, 255 feet north from Morrison avenue.
Rossmore street, 244 feet south from Washington street.
Rush street, 84 feet south from Pearl street.
Rush street, 11 feet north from Pearl street.
Rush street, 128 feet north from Brook street.
Sacramento street, 5 feet south from Miller street.
Sanborn avenue, 55 feet east from Walnut street.
Sargent avenue, 474 feet south from Broadway.
Sargent avenue, 361 feet west from Walnut street.
Sargent avenue, 95 feet west from Walnut street.
School street, 31 feet south from Oakland avenue.
School street, 100 feet south from Maple avenue.
School street, 6 feet south from Montrose street.
School street, 128 feet north from Highland avenue.
School street, 88 feet north from Oxford street.
School street, 15 feet north from Avon street.
School street, 100 feet south from Summer street.
School street, 93 feet south from Preston road.
School street, 61 feet north from Knapp street.
Sewall street, 311 feet west from Grant street.
Shawmut street, 9 feet west from Washington street.
Shawmut street, 153 feet west from Shawmut place.
Simpson avenue, 272 feet south from Broadway.
Simpson avenue, 142 feet north from Holland street.
Skehan street, 110 feet east from Hanson street.
Somerville avenue, 188 feet west from Mossland street.
Somerville avenue, 308 feet east from Mossland street.
Somerville avenue, 600 feet east from Mossland street.
Somerville avenue, 116 feet west from Elm street.
Somerville avenue, 9 feet east from Ibbetson street.
Somerville avenue, 77 feet east from Belmont street.
Somerville avenue, 14 feet west from Garden court.
Somerville avenue, 133 feet west from Kent street.
Somerville avenue, 13 feet west from Beech street.
Somerville avenue, 11 feet east from Central street.
Somerville avenue, 15 feet west from Laurel street.
Somerville avenue, 86 feet west from Granite street.
Somerville avenue, 38 feet west from Sherman street.
Somerville avenue, 76 feet east from Hawkins street.
Somerville avenue, 185 feet west from Hawkins street.
Somerville avenue, 88 feet west from Quincy street.
Somerville avenue, 105 feet east from Carlton street.
Somerville avenue, 90 feet west from Prospect street.
Somerville avenue, 28 feet west from Linden street.
Somerville avenue, 9 feet east from Mystic street.

Somerville avenue, 94 feet west from Mansfield street.
Somerville avenue, 126 feet east from Medford street.
Somerville avenue, 88 feet east from Poplar street.
Somerville avenue, 464 feet east from Poplar street.
Somerville avenue, 153 feet west from Linwood street.
Somerville avenue, 20 feet east from F. R. R. crossing.
Somerville avenue, 368 feet west from Franklin court.
Somerville avenue, 262 feet west from Franklin court.
Somerville avenue, 23 feet east from Franklin court.
Somerville avenue, 100 feet west from Cambridge line.
South street, 97 feet west from Bedford street.
South street, 2 feet east from Harding street.
South street, 25 feet west from Hunting street.
South street, 80 feet west from Willow place.
Spencer avenue, 290 feet west from Cedar street.
Spencer avenue, 63 feet east from Hancock street.
Spring street, 10 feet south from Pitman street.
Spring street, 184 feet north from Beech street.
Springfield street, 140 feet south from Concord avenue.
Springfield street, 21 feet south from Dickinson street.
Springfield street, 177 feet south from Houghton street.
Spring Hill terrace, 333 feet south from Highland avenue.
Stickney avenue, 212 feet west from Marshall street.
Stone avenue, 120 feet north from Union square.
Stone avenue, 275 feet south from Columbus avenue.
Summer street, 148 feet east from Cutter avenue.
Summer street, opposite Elston street.
Summer street, west corner Hancock street.
Summer street, 34 feet east from Banks street.
Summer street, 6 feet east from Cherry street.
Summer street, 6 feet east from Cedar street.
Summer street, 24 feet east from Linden avenue.
Summer street, opposite Craigie street.
Summer street, 35 feet east from Porter street.
Summer street, 4 feet east from Lowell street.
Summer street, 3 feet east from Belmont street.
Summer street, 1 foot west from Spring street.
Summer street, 53 feet west from Harvard street.
Summer street, 215 feet east from Harvard street.
Summer street, 59 feet east from Central street.
Summer street, 19 feet west from Laurel street.
Summer street, 52 feet west from Preston road.
Summer street, 191 feet west from School street.
Summer street, 8 feet east from School street.
Summer street, opposite Putnam street.
Summer street, 6 feet west from Vinal avenue.
Summit avenue, 231 feet east from Vinal avenue.
Sunnyside avenue, 99 feet west from Wigglesworth street.
Sycamore street, 18 feet south from Broadway.
Sycamore street, 62 feet south from Browning road.
Sycamore street, 1 foot south from Forster street.
Sycamore street, 200 feet north from Medford street.
Sycamore street, 174 feet south from Medford street.
Sydney street, 418 feet east from Temple street.
Talbot avenue, 488 feet east from Packard avenue.
Temple street, 4 feet north from Broadway.
Temple street, 123 feet south from Sewall street.
Temple street, 11 feet north from Jaques street.
Temple street, 6 feet south from Derby street.
Temple street, 5 feet south from Sydney street.
Tenney court, 306 feet north from Mystic avenue.

Tennyson street, 4 feet south from Medford street.
Tennyson street, 117 feet north from Pembroke street.
Thorndike street, 4 feet south from Holland street.
Thorndike street, 82 feet north from Kingston street.
Thorpe place, 269 feet south from Highland avenue.
Thurston street, 187 feet north from Medford street.
Thurston street, 160 feet south from Evergreen avenue.
Thurston street, 6 feet north from Evergreen avenue.
Thurston street, 348 feet north from Evergreen avenue.
Tower street, 18 feet north from Crown street.
Tremont street, 9 feet south from Webster avenue.
Tremont street, 454 feet south from Webster avenue.
Trull street, 3 feet south from Medford street.
Trull street, 276 feet south from Medford street.
Trull street, 522 feet north from Vernon street.
Trull street, 270 feet north from Vernon street.
Tufts street, 51 feet north from Washington street.
Tufts street, 150 feet south from Glen street.
Tufts street, 43 feet north from Glen street.
Tufts street, 53 feet south from Dell street.
Tufts street, 45 feet south from Cross street.
Tyler street, 31 feet east from Vine street.
Union square, 267 feet east from Webster avenue.
Union square, 15 feet east from Stone avenue.
Union square, 3 feet west from Bow street.
Union square, centre of square.
Union street, 3 feet north from Broadway.
Union street, 123 feet south from Mystic avenue.
Veazie street, 1 foot west from James street.
Vernon street, 72 feet west from Partridge avenue.
Vernon street, 1 foot east from Bartlett street.
Vernon street, 2 feet east from Miner street.
Victoria street, 255 feet south from Broadway.
Victoria street, 506 feet south from Broadway.
Victoria street, 151 feet north from Woodstock street.
Villa avenue, 121 feet south from Winslow avenue.
Vinal avenue, 10 feet north from Pleasant avenue.
Vinal avenue, 129 feet north from Aldersey street.
Vinal avenue, 206 feet north from Summer street.
Vinal avenue, 6 feet south from Highland avenue.
Vine street, 15 feet north from Beacon street.
Vine street, opposite Eliot street.
Vine street, 121 feet south from Tyler street.
Vine 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.
Wallace street, 395 feet south from Broadway.
Wallace street, 483 feet north from Park avenue.
Wallace street, 166 feet north from Park avenue.
Wallace street, 10 feet north from Holland street.
Walnut street, opposite Veazie street.
Walnut street, 87 feet north from Gilman street.
Walnut street, 88 feet south from Wellington avenue.
Walnut street, 31 feet north from Pleasant avenue.
Walnut street, 12 feet south from Boston street.
Walter street, 28 feet west from Walnut street.
Walter street, 50 feet west from Bradley street.
Ward street, 104 feet west from Medford street.
Ward street, 3 feet east from Emery street.
Ware street, 258 feet west from Curtis street.

Ware street, 638 feet west from Curtis street.
Warner street, 60 feet north from Broadway.
Warren avenue, 5 feet north from Sanborn avenue.
Warren avenue, 48 feet north from Bow street.
Warren avenue, 7 feet south from Columbus avenue.
Warwick street, 426 feet east from Cedar street.
Washington street, 69 feet west from Crescent street.
Washington street, 3 feet west from Waverley street.
Washington street, west corner Mt. Vernon street.
Washington street, 3 feet west from Murray street.
Washington street, 2 feet east from Bartlett street.
Washington street, 6 feet west from Florence street.
Washington street, 15 feet west from Myrtle street.
Washington street, 18 feet east from Franklin avenue.
Washington street, 160 feet east from Franklin street.
Washington street, 50 feet east from Shawmut street.
Washington street, 37 feet east from Rossmore street.
Washington street, 78 feet east from Boston street.
Washington street, 28 feet west from Mystic street.
Washington street, 6 feet west from Clark place.
Washington street, 156 feet west from Bonner avenue.
Washington street, 6 feet east from Kingman court.
Washington street, 243 feet east from Parker street.
Washington street, 50 feet east from Bowdoin street.
Washington street, 9 feet east from Leland street.
Washington street, 112 feet east from Dane street.
Washington street, 175 feet west from Dane street.
Washington street, 45 feet east from Beacon street.
Washington street, 62 feet east from Line street.
Water street, 91 feet north from South street.
Water street, 254 feet north from South street.
Water street, 354 feet north from South street.
Waterhouse street, 24 feet south from Broadway.
Waterhouse street, 326 feet south from Broadway.
Waterhouse street, 630 feet south from Broadway.
Webster avenue, 93 feet south from Washington street.
Webster avenue, 12 feet south from Everett street.
Webster avenue, 25 feet north from Newton street.
Webster avenue, 63 feet north from Prospect street.
Webster avenue, 18 feet south from Prospect street.
Webster avenue, 78 feet north from Tremont street.
Webster avenue, 3 feet north from Beach avenue.
Webster avenue, 1 foot south from Columbia court.
Webster street, 25 feet east from Cross street.
Webster street, 9 feet east from Rush street.
Webster 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.
Wesley park, 335 feet north from Bow street.
West street, 2 feet north from Broadway.
West street (Ward 7), 92 feet south from Highland avenue.
West street (Ward 7), 140 feet north from Highland avenue.
Westminster street, 156 feet south from Electric avenue.
Westwood road, 90 feet west from Central street.
Westwood road, 58 feet east from Benton road.
Wheatland street, 129 feet north from Broadway.
Wheatland street, 9 feet south from Jaques street.
Wheatland street, 78 feet south from Mystic avenue.
Whipple street, 101 feet north from Highland avenue.
William street, 8 feet east from Chandler street.

Willow avenue, 14 feet north from Summer street.
 Willow avenue, 3 feet north from Lexington avenue.
 Willow avenue, 46 feet south from Morrison avenue.
 Willow avenue, 42 feet south from Fosket street.
 Willow avenue, opposite Mallett street.
 Wilton street, 6 feet east from Nashua street.
 Wilton street, 10 feet east from Lawrence street.
 Windom street, 7 feet south from Summer street.
 Windsor road, 86 feet east from Willow avenue.
 Windsor road, 45 feet west from Hancock street.
 Winslow avenue, 145 feet east from College avenue.
 Winslow avenue, 5 feet west from Grove street.
 Winslow avenue, 8 feet west from Clifton street.
 Winter street, 130 feet east from Holland street.
 Winter-hill circle, 178 feet north from Broadway.
 Winthrop avenue, 7 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.	8
North Packing and Provision Co.	10
New England Dressed Meat and Wool Co.	5
Boston & Maine Railroad	7
Union Glass Works	1
Fresh Pond Ice Co.	1
American Tube Works	1
Middlesex Bleachery	3
Boston Elevated Railway Co.	1
Metropolitan Sewerage Pumping Station	1
Tufts College	4
Middlesex Paper Co.	2

Gates—Construction Account.

New gates have been set in the following locations:—

Beckwith circle, 1½-inch gate, 10 feet out from west line, and 8 feet north from south line of Beacon street.
 Bigelow street, 6-inch gate, 16 feet 4 inches out from east line, on north line of Munroe street.
 Boston avenue, 10-inch gate, 15 feet out from west line, on south line of Rogers avenue.
 Broadway, 8-inch gate, 33 feet out from south line and 4 feet west from the Charlestown line.
 Calvin street, 6-inch gate, 13 feet 4 inches out from east line, on south line of Beacon street.
 Cedar street, 6-inch gate, 16 feet 6 inches out from east line and 3 feet north from north line of Elm street.
 Cedar street, 2-inch gate, 3 feet out from waterpost located 96 feet west from Morrison avenue.
 Claremon street, 6-inch gate, 13 feet out from east line, on north line of Mead street.
 Fenwick street, 6-inch gate, 13 feet 4 inches out from west line, on south line of Jaques street.
 Glen street, 6-inch gate, 12 feet 6 inches out from west line, on north line of Pearl street.
 Greenville street, 6-inch gate, 13 feet out from east line, on north line of Munroe street.

- Hathorn street, 4-inch gate, 16 feet out from east line and 59 feet south from south line of Broadway.
- Highland road, 10-inch gate, 23 feet out from south line, on west line of Boston avenue.
- Holland street, 12-inch gate, 18 feet 6 inches out from west line, on south line of building No. 18.
- Holland street, 12-inch gate, 26 feet out from west line and 48 feet south from south line of Gorham street.
- Holland street, 12-inch gate, 34 feet out from west line and 48 feet south from south line of Gorham street.
- Munroe street, 8-inch gate, 16 feet 8 inches out from south line, on east line of Greenville street.
- Munroe street, 6-inch gate, 16 feet out from south line and 16 feet east from east line of Walnut street.
- Packard avenue, 10-inch gate, 20 feet out from east line, on south line of Powder House boulevard.
- Pearson avenue, 6-inch gate, 15 feet out from east line, on north line of Morrison avenue.
- Pearson avenue, 6-inch gate, 15 feet out from south line, on west line of Boston avenue.
- Pearson road, 8-inch gate, 13 feet 4 inches out from south line, on east line of Warner street.
- Pitman street, 6-inch gate, 9 feet out from south line, on west line of Spring street.
- Pleasant avenue, 2-inch gate, 3 feet out from waterpost located 104 feet west from Walnut street.
- Poplar street, 6-inch gate, 12 feet out from south line, on west line of Chestnut street.
- Powder House boulevard, 12-inch gate, 17 feet out from east line, on north line of Packard avenue.
- Powder House boulevard, 6-inch gate, 12 feet out from west line and 30 feet north from south line of Packard avenue.
- Powder House boulevard, 10-inch gate, 17 feet out from west line, on south line of Curtis street.
- Powder House boulevard, 10-inch gate, 17 feet out from west line, on north line of Curtis street.
- Powder House boulevard, 10-inch gate, 17 feet out from west line, on north line of Packard avenue.
- Preston road, 6-inch gate, 13 feet out from south line, on east line of Preston road.
- Pritchard avenue, 6-inch gate, 13 feet 4 inches out from east line, on south line of Frederick avenue.
- Prospect Hill avenue, 6-inch gate, 10 feet 6 inches out from east line, on south line of Medford street.
- Skilton avenue, 6-inch gate, 13 feet 4 inches out from west line, on south line of Pearl street.
- Somerville avenue (court to No. 755 rear), 6-inch gate, 7 feet out from west line of court, on north line of Somerville avenue.
- Sumner street, 6-inch gate, 7 feet out from north line, on west line of Lawrence street.
- Warner street, 8-inch gate, 30 feet out from east line and 11 feet south from north line of Broadway.

Gates—Renewal Account.

The following changes have been made in the size and location of main gates:—

- Boston street, 6-inch gate, set 19 feet out from south line, on east line of Prospect Hill avenue, and 6-inch gate removed from same location.

- Boston street, 6-inch gate, set 12 feet 6 inches out from south line, on west line of Prospect Hill avenue, and 6-inch gate removed from same location.
- Broadway, 12-inch gate, set 33 feet out from south line, on west line of Thurston street, and 8-inch gate removed from 33 feet out from south line, on east line of Thurston street.
- Broadway, 12-inch gate, set 33 feet out from south line, on west line of School street, and 8-inch gate removed from 33 feet out from south line and 6 feet east from west line of School street.
- Central street, 12-inch gate, set 12 feet out from east line, on south line of Summer street, and 12-inch gate removed from same location.
- Franklin street, 12-inch gate, set 14 feet out from east line, on north line of Pearl street, and 8-inch gate removed from same location.
- Hathorn street, 6-inch gate, set 13 feet out from east line, on south line of Broadway, and 6-inch gate removed from same location.
- Holland street, 12-inch gate, set 30 feet out from west line, and 48 feet south from south line of Gorham street, and 12-inch gate removed from 19 feet out from west line and 22 feet south from north line of Paulina street.
- Holland street, 12-inch gate, set 30 feet out from west line and 48 feet south from south line of Gorham street, and 12-inch gate removed from 19 feet out from west line and 17 feet south from north line of Paulina street.
- Howe street, 6-inch gate, set 13 feet 4 inches out from north line, on east line of School street, and 4-inch gate removed from 16 feet out from north line, on east line of School street.
- Howe street, 6-inch gate, set 13 feet 4 inches out from north line, on west line of Marshall street, and 6-inch gate removed from 12 feet out from north line, on west line of Marshall street.
- Lincoln street, 8-inch gate, set 11 feet 6 inches out from east line, on south line of Broadway, and 8-inch gate removed from same location.
- Lincoln street, 8-inch gate, set 11 feet 6 inches out from east line, on north line of Perkins street, and 8-inch gate removed from same location.
- Munroe street, 8-inch gate, set 14 feet out from south line, on east line of Walnut street, and 6-inch gate removed from same location.
- Pearl street, 12-inch gate, set 13 feet out from north line, on west line of Franklin street, and 8-inch gate removed from 11 feet out from north line, on west line of Franklin street.
- Pearl street, 12-inch gate, set 16 feet out from north line, on east line of Franklin street, and 8-inch gate removed from same location.
- Pearl street, 12-inch gate, set 12 feet out from north line, on west line of Glen street, and 8-inch gate removed from 12 feet out from north line and 15 feet east from east line of Glen street.
- Preston road, 6-inch gate, set 13 feet out from south line, on west line of School street, and 6-inch gate removed from same location.
- Prospect Hill avenue, 8-inch gate, set 13 feet 4 inches out from east line, on south line of Medford street, and 6-inch gate removed from same location.
- Prospect Hill avenue, 8-inch gate, set 13 feet 4 inches out from east line, on north line of Munroe street, and 6-inch gate removed from same location.
- Sycamore street, 8-inch gate, set 14 feet out from west line, on south line of Broadway, and 6-inch gate removed from same location.
- Central street, 12-inch gate, removed from 14 feet out from east line and 31 feet south from south line of Medford street.
- Franklin street, 4-inch gate, removed from 12 feet out from east line and 3 feet north from north line of Pearl street.

GATES—RECAPITULATION.

GATES.	1½"	2"	3"	4"	6"	8"	10"	12"	Total.
Set	1	2	—	1	25	10	6	13	58
Removed	—	—	—	2	9	8	—	4	23

Net increase in number of gates in 1902 35
 Total number of gates in the city January 1, 1903 1,283

Locations of Water Posts.

- Adams street, 57 feet south from Broadway.
- Albion street, 83 feet west from Centre street.
- Appleton street, 49 feet west from Willow avenue.
- Beacon street, 33 feet north from Concord avenue.
- Beacon street, 33 feet west from Vine street.
- Beacon street, 94 feet east from Sacramento street.
- Bonair street, 19 feet west from Wigglesworth street.
- Bond street, 14 feet north from Broadway.
- Boston street, 107 feet west from Greenville street.
- Broadway, 42 feet east from Franklin street.
- Broadway, 75 feet west from Winthrop avenue.
- Broadway, 6 feet west from Farm lane.
- Broadway, 6 feet west from Irving street.
- Broadway, 120 feet west from Clarendon avenue.
- Broadway, 20 feet west from North street.
- Cedar street, 96 feet south from Morrison avenue.
- Cherry street, 161 feet south from Fairlee street.
- College avenue, opposite Morrison avenue.
- College avenue, 5 feet south from Kenwood street.
- Columbus avenue, 54 feet east from Walnut street.
- Concord avenue, opposite Knapp street.
- Dana street, 30 feet east from Pearl street.
- Elm street, 25 feet west from Burnside avenue.
- Flint street, 47 feet east from Cross street.
- Gilman street, 69 feet east from Walnut street.
- Grove street, 19 feet south from Highland avenue.
- Highland avenue, 44 feet west from Hamlet street.
- Highland avenue, 50 feet west from Putnam street.
- Highland avenue, 15 feet west from Central street.
- Holland street, 30 feet west from Elmwood street.
- Jaques street, 159 feet west from Grant street.
- Laurel street, 20 feet south from Summer street.
- Liberty avenue, 46 feet south from Broadway.
- Linwood street, 70 feet west from Poplar street.
- Lowell street, 34 feet north from Highland avenue.
- Medford street, 35 feet east from Ward street.
- Medford street, at Gilman square.
- Medford street, 45 feet east from Lee street.
- Medford street, 19 feet east from Jenny Lind avenue.
- Montrose street, 204 feet west from School street.
- Mt. Vernon street, 71 feet south from Broadway.
- Mystic avenue, 33 feet west from Union street.
- Orchard street, 107 feet west from Dover street.
- Otis street, 127 feet west from Cross street.
- Pearl street, 28 feet east from Myrtle street.
- Pleasant avenue, 104 feet west from Walnut street.
- Putnam street, 96 feet north from Summer street.
- School street, 116 feet south from Broadway.

- School street, 50 feet north from Berkeley street.
- Somerville avenue, 175 feet east from Fitchburg R. R. crossing.
- Somerville avenue, 246 feet east from Poplar street.
- Somerville avenue, 89 feet east from Mystic street.
- Somerville avenue, 119 feet west from School street.
- Somerville avenue, 92 feet west from Kent street.
- Somerville avenue, 120 feet west from Oak square.
- Somerville avenue, 42 feet east from Mossland street.
- Summer street, 14 feet east from Belmont street.
- Summer street, 32 feet east from Cedar street.
- Summer street, 35 feet east from Cutter avenue.
- Temple street, 124 feet south from Heath street.
- Tufts street, 114 feet east from Cross street.
- Vernon street, 45 feet west from Central street.
- Washington street, 96 feet west from Myrtle street.
- Washington street, 7 feet west from Boston street.
- Washington street, 34 feet west from Union square.

Locations of Drinking Fountains.

Belmont park	D
Broadway, opposite park, near Winthrop avenue .	H
Franklin park	D
Union square, junction Somerville avenue and Washington street	H
Union square, in front of Hill building	D I
Lincoln park	D
Gilman square	H
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.

Meter Table.

SHOWING THE NUMBER OF METERS AND CLOCKS IN SERVICE, THE PURPOSE FOR WHICH THEY ARE USED, AND THE INCOME RECEIVED.

PURPOSE.	Number.	Meters Set.	Meters Removed.	Amount Received.
Apartment Houses and Tenements	47	52		\$2,040 08
Bacon Works	2	3		311 41
Bakeries	4	4		269 13
Bleachery and Dye Works	3	3		524 32
Blocks of Tenements, Offices and Stores	46	46		1,954 68
Boarding-houses	8	8		209 22
Bottling Works	1	1		22 12
Bowling Alleys	1	1		31 92
Carhouses	3	5		611 71
Churches	1	1		14 98
Clubhouses	1	1		23 52
Coal Wharves	2	2		412 84
Colleges	1	10		328 70
Distilleries	1	1		344 16
Dwelling Houses	3	3		35 00
Electric Light Stations	1	1		1,585 92
Elevator Clocks	1	1		264 40
Factories	18	21	2	2,653 00
Foundries	1	1		34 44
Glass Works	2	2		217 88
Grain Elevators	1	1		56 42
Greenhouses	1	2		82 29
Halls	2	2		19 18
Hospitals	2	3		315 58
Hotels	3	3		314 43
Machine Shops	1	1		15 00
Milk Business	5	5		194 64
Motor Clocks	8	8		81 64
Paper Mills	1	3	2	123 84
Pickle and Preserving Works	1	1		126 09
Poultry Farms	2	2		71 96
Printing Offices	1	1		55 02
Railway Stations	4	4		375 69
Railway Yards	2	2		16,203 84
Schools	2	2		57 70
Sewerage Pumping Stations	1	1		213 80
Slaughtering and Rendering Establishments	6	20		18,197 86
Soap Works	3	3		114 47
Stables	47	47	3	1,982 59
Steam Engines	3	3	1	84 42
Vinegar Works	2	3		78 96
Wood Yards	2	2		78 68
		286	8	\$50,733 53

The quantity of water registered by the above meters and clocks in 1902 was 47,349,160 cubic feet.

Defects in Street Mains.

The following leaks in street mains occurred in 1902:—

LEAKS.

	SIZE OF MAIN.	NUMBER.
	6''	2
	8''	4
	10''	2
	12''	1
	14''	1
	16''	3
	20''	1
Total		14

Water Services.

SERVICE CONSTRUCTION.

The following table shows the sizes and lengths of service connections laid in 1902:—

	SIZE.	NUMBER.	LENGTH.
	2''	2	170 feet
	1½''	1	216 "
	1¼''	1	22 "
	1''	8	525 "
	¾''	177	6,597 "
	½''	1	39 "
Total		190	7,569 feet

Total number of service pipes laid to January 1, 1903, 10,710.

Total length of service pipe used in making service connections, 68 miles, 1,130 feet.

Summary of Statistics

FOR THE YEAR ENDING DECEMBER 31, 1902.

In form recommended by the New England Water Works Association.

SOMERVILLE WATER WORKS.

SOMERVILLE, MIDDLESEX COUNTY, MASS.

GENERAL STATISTICS.

Population by census of 1900, 61,643.

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, 65,500.
2. Estimated population on lines of pipe, 65,500.
3. Estimated population supplied, 65,500.
4. Total consumption for the year, not measured.
5. Passed through meters, 354,171,716 gallons.

STATISTICS RELATING TO DISTRIBUTION SYSTEM.**MAINS.**

1. Kind of pipe, mostly cast-iron.
2. Sizes, from 4-inch to 20-inch.
3. Extended 6,622 feet during year.
5. Total now in use, 87.8 miles.
6. Cost of repairs per mile, \$2.85.
7. Number of leaks per mile, .16.
9. Number of hydrants added during year (public and private), 31.
10. Number of hydrants (public and private) now in use, 999.
11. Number of stop gates added during year, 35.
12. Number of stop gates now in use, 1,283.
14. Number of blow-offs, 123.
15. Range of pressure on mains, 60 pounds to 100 pounds.

SERVICES.

16. Kind of pipe: Lead; wrought iron—lead-lined; wrought iron—cement-lined.
17. Sizes, one-half to six inches.
18. Extended, 7,569 feet.
20. Total now in use, 68.21 miles.
21. Number of service taps added during year, 190.
22. Number now in use, 10,710.
24. Average cost of service for the year, \$18.82.
25. Number of meters added, 45.
26. Number now in use, 269.
27. Percentage of services metered, 2.51.
28. Percentage of receipts from metered water, 23.7.
29. Number of motors and elevators added, 1.
30. Number now in use, 9.

FINANCIAL STATISTICS.

RECEIPTS.		EXPENDITURES.	
From Water Rates:—		Water Works Maintenance:—	
A. Fixture rates	\$163,231 98	AA. Operation (management and repairs)	\$16,704 48
B. Meter rates	50,733 53	BB. Special:—	
C. Total from consumers	\$213,965 51	Renewal of street mains	18,357 76
M. From other sources:—		Labor and materials sold	1,586 84
Metropolitan Water Works	\$907 53	CC. Total maintenance	\$36,649 08
Water service assessments	3,575 80	DD. Interest on bonds	6,790 00
Costs for non-payment	228 00	EE. Payment of bonds	29,000 00
Labor and materials sold	1,335 06	Water Works Construction:—	
		GG. Extension of mains	\$11,710 15
		HH. Extension of services	3,667 71
		II. Extension of meters	762 06
		KK. Total construction	\$16,139 92
		LL. Unclassified expenses:—	
		Metropolitan water assessment	62,397 89
		Refunds to consumers	225 70
		MM. Balance:—	
		(aa) Ordinary	68,809 31
		Total balance	\$68,809 31
N. Total	\$220,011 90	N. Total	\$220,011 90

Disposition of balance: applied to other municipal purposes.

- O. Net cost of works to date \$801,830 14
- P. Bonded debt at date 146,000 00
- R. Average rate of interest, 4 per cent.

REPORT OF CHIEF ENGINEER OF FIRE DEPARTMENT.

OFFICE OF CHIEF ENGINEER OF FIRE DEPARTMENT, }
December 31, 1902. }

To His Honor, the Mayor, and the Board of Aldermen:—

I present herewith the annual report of the Fire Department for the year ending December 31, 1902:—

Fires.

Number of bell alarms	161
Number of still alarms	111
	272
Total alarms	
Value of buildings at risk	\$280,075 00
Damage to same	28,597 50
Insurance on same	138,970 00
Value of contents	64,950 00
Damage to same	25,472 50
Insurance on same	31,348 00
Total value	345,025 00
Total damage	54,020 00
Total insurance	170,318 00

During the past year the Fire Department has maintained its reputation for efficient work, there having been but three fires when it became necessary to sound a second alarm for additional apparatus.

The total number of alarms for the year was 272, of which 20 were false, while 252 required some portion of the department to extinguish the fires. In no instance was a building totally destroyed. Almost all of the fire losses during the year have been small, and this fact is due to the prompt action of the firemen.

Manual Force.

The manual force of the department comprises one hundred and sixteen members,—eighty callmen and thirty-six permanent members. The permanent force has been increased during the year as follows: A permanent captain of Hose 2, one permanent hoseman at Hose 5, and one permanent hoseman at Hose 6. By these additions there is always a permanent man at each station, a very great improvement over the old condition of affairs, when at some stations the permanent man was obliged to arrange with a callman to perform his duties during meal hours. The

relief driver has also been assigned to Hose 7 as a permanent hoseman.

The following is a list of the department, by companies:—

	Permanent.	Call.	Total.
Chief engineer	1		1
Assistant engineer	1		1
Two engine companies, each	5	9	28
One engine company	5	8	13
One chemical company	3		3
One chemical engine and hose company	3	5	8
One chemical engine and hose company	3	4	7
One hose company	2	7	9
Two hose companies, each	2	8	20
Two nook and ladder companies, each	2	11	26
Total force			116

Equipment.

The apparatus of the department consists of three steam fire engines, with hose wagon tenders, one chemical engine, two combination chemical engines carrying large and small hose and ladders, in addition to the chemical tanks, three hose wagons, and two hook and ladder trucks, the entire apparatus being the same as last year.

With the exception of Steamer 1 and Steamer 4, the apparatus of the department is in first-class condition. Steamer 1 will have been in service twenty years next June, and has had but one new boiler. The running parts of the machinery are badly worn, which is a detriment to good service.

Steamer 4 has been in service nearly twelve years, and needs a new boiler, as the present one is liable to give out at any time. The usual life of a boiler in which water is constantly kept hot is seven years, so in this case the need of a new boiler is apparent.

I know the value of fire engines capable of throwing powerful streams. As a rule, such engines are not needed, but every year there are fires where they are the means of saving property many times their value. Our engines should always be in condition to give the power necessary for such streams.

The buildings of the department are, generally speaking, in good condition, with the exception of the old station at Union square, which is occupied by Ladder 1 and Hose 3 companies. A new building is required, as the present one does not afford proper accommodations for the firemen who are obliged to occupy it. The present building is unsuitable in many ways, its condition being so well understood that it is unnecessary to rehearse it.

Thirty-six horses belonging to the department and one belonging to the assistant engineer are maintained at the expense of the Fire Department. One horse belonging to the Fire De-

partment and one belonging to the Electrical Department are maintained for the use and at the expense of the Electrical Department.

The total number is apportioned as follows:—

Engine 1	3 horses.
Engine 1 hose wagon	2 "
Engine 2	3 "
Engine 2 hose wagon	2 "
Engine 4	3 "
Engine 4 hose wagon	2 "
Hose 2	2 "
Hose 3	2 "
Hose 5	2 "
Hose 6 (Combination Hose and Chemical)	3 "
Hose 7 (Combination Hose and Chemical)	2 "
Chemical A	2 "
Ladder 1	3 "
Ladder 2	3 "
Chief of Department	1 "
Assistant chief	1 "
Spare	1 "
Electrical Department	2 "
Total	<hr/> 39

Recommendations.

As in former years, I again urge that measures be taken to limit the construction of shingled roofs, which are a menace to public safety; also, that no permit be granted for the erection of any building covering an area of over two thousand square feet, and more than one story high, unless the outer walls be of stone, brick, or iron, and the roof covered with some non-inflammable material.

I renew my recommendation of last year that a spare engine be purchased to be used in case of emergency, such as a serious conflagration, or when one of the engines may be out of service for repairs, or absent from the city.

For the benefit of some of our citizens who think that, while our department is an efficient one, the cost of maintaining it is large as compared with that of other cities, I would say that a comparison as shown in the United States statistics of the Department of Labor and the Massachusetts Public Documents, gives our department a very favorable showing among the cities of the Commonwealth.

The following is a table showing the per capita cost of fire departments in cities with a population of 30,000 or over. Also the value of the buildings in the cities herein named, the figures on the assessed value being taken from the office of the Secretary of State (Mass.), and the per capita figures from the United States Bulletin of Labor, both for the year 1900:—

Name of City.	Cost per capita.	Value of Buildings.
Boston	\$2 24	\$369,557,200 00
Newton	1 55	24,001,750 00
Springfield	1 50	25,773,035 00
Holyoke	1 50	15,285,260 00
Worcester	1 38	43,234,950 00
Lynn	1 38	23,336,400 00
Cambridge	1 37	44,589,600 00
Lowell	1 25	28,838,130 00
New Bedford	1 19	20,576,200 00
Fall River	1 15	27,480,900 00
Somerville	1 02	27,291,900 00
Haverhill	99	10,926,180 00
Malden	99	13,798,500 00
Chelsea	99	13,479,900 00
Salem	97	11,910,600 00
Fitchburg	95	9,595,425 00
Lawrence	92	17,524,300 00
Brockton	92	12,584,030 00

I desire to thank His Honor, the Mayor, the Board of Aldermen, and all who have given assistance to the department in making its year's work successful, and I would also express to the members of the Fire Department my appreciation of their efficient service during the past year.

I am very glad at this time to commend the excellent work of the members of our call force, who are ever ready to make any sacrifice to conquer a fire. Their services have been of immense value to the city, and should receive proper recognition.

Causes of Bell Fire Alarms.

Boiling over tar kettle	2
Bonfire	2
Breaking of kerosene lamp	11
Breaking of lantern	1
Burning of rubbish	6
Children playing with matches	11
Chimney fire	5
Curtain in contact with gas light	4
Defective chimney flue	3
Drying plastering	1
Electric wires	4
Explosion	3
False alarm	20
Fire in Charlestown	1
Firecrackers	2
Fumigating	1
Grass fire	7
Hot ashes in box	2
Igniting of Christmas tree	1
Incendiary	11
Overheated furnace	2
Overheated oil stove	13
Smoke mistaken for fire	5
Spark from engine	8

Amount carried forward 126

Amount brought forward	126
Spark on roof	4
Spark from tobacco pipe	6
Spark from chimney	2
Spark from match	9
Spark from forge	1
Thawing water pipe	4
Unknown	8
Wood near stove	1
	<hr/>
Total	161
There have been 111 still alarms, the total loss caused being less than \$400.00	111
	<hr/>
Total alarms	272

Fire Department Account.

CREDIT.

Appropriation	\$61,800 00
Transfer from Highways Construction	930 00
Receipts:—	
Board of two horses used in Electrical Department	300 00
Old wheels	25 00
Boston Elevated Railway Co., damage to chemical wagon	177 10
	<hr/>
Total credit	\$63,232 10

DEBIT.

Expenditures:—	
Salaries of permanent men and substitute drivers	\$36,472 16
Salaries of callmen	14,482 93
Improvements and repairs of apparatus and vehicles	1,991 16
Hose, and repairing same	1,325 24
New horses	295 60
Hay and straw	3,123 07
Grain and feed	1,847 34
Washing and ironing	443 55
Harnesses, and repairing same	341 49
Horseshoeing	1,028 09
Ice	68 20
Fire extinguishers	126 49
Horse medicine and doctoring	231 55
Telephones	226 65
Supplies	476 97
Incidentals	550 70
	<hr/>
Total debit	\$63,031 19
	<hr/>
Balance unexpended	\$200 91

Service of Companies in Fire Department, Year 1902.

	Engine 1.	Engine 2.	Engine 4.	Hose 2.	Hose 3.	Hose 5.	Hose and Chemical 6.	Hose and Chemical 7.	Chemical A.	Hook and Ladder 1.	Hook and Ladder 2.	Totals.
Bell alarms responded to	120	62	62	165	81	87	44	82	114	95	78	990
Still alarms responded to	3	15	9	18	8	28	6	12	11	8	6	124
Miles traveled	221	11 ⁴	98	207	140	189	81	152	216	88	112	1,618
Feet of hydrant hose used	9,650	7,750	5,650	10,350	9,550	11,000	2,600	3,300	.	.	.	59,850
Feet of Chemical hose used . . . . .	.	.	.	.	.	.	2,150	8,300	21,700	.	.	32,150
Feet of ladders used	105	250	85	450	247	240	25	144	240	2,237	1,503	5,526
Chemical extinguishers used	12	6	32	.	25	48	.	12	.	18	9	162
Gallons of chemical water used . . . . .	.	.	.	.	.	.	560	875	4,920	.	.	6,355
Times on duty at other stations . . . . .	.	.	.	.	.	.	8	3	.	.	.	11

Roster of Department.

James R. Hopkins	. . . .	Chief Engineer	. . . .	27 Summit ave.
Nathaniel C. Barker	. . . .	Assistant Engineer	. . . .	265 Highland ave.

ENGINE COMPANY NO. 1.

NAME.	BORN.	RANK.	OCCUPATION.	RESIDENCE.
Edward W. Ring,	May 6, 1847,	Captain,	Fireman,	Medford st.
Frank Langer,	July 4, 1854,	Lieutenant,	Wood Moulder,	Trull lane.
John W. Bartlett,	Feb. 22, 1862,	Engineman,	Fireman,	Pleasant ave.
William A. Burbank,	March 6, 1842,	Asst. Engineman,	Fireman,	Gilman st.
Harry W. Elwell,	April 21, 1868,	Driver,	Fireman,	Hudson st.
Harry J. Locke,	April 25, 1871,	Driver,	Fireman,	Medford st.
Fred S. Young,	Feb. 1, 1867,	Hoseman,	On water works,	Oxford st.
Oscar J. Lingley,	April 5, 1860,	Hoseman,	Milkman,	Avon st.
Benjamin F. Johnson,	Nov. 20, 1864,	Hoseman,	R. R. Yard Man,	Medford st.
Sewall M. Rich,	Nov. 6, 1866,	Hoseman,	Merchant,	Medford st.
Joseph W. Mess,	Sept. 25, 1863,	Hoseman,	Pedler,	Chester ave.
Melvin F. Underwood,	Nov. 28, 1873,	Hoseman,	Electrician,	Medford st.
Frank R. Rametti,	Dec. 26, 1873,	Hoseman,	Lineman,	Medford st.
Everett W. Bray,	Feb. 17, 1872,	Hoseman,	Prov. Clerk,	Medford st.

ENGINE COMPANY NO. 2.

NAME.	BORN.	RANK.	OCCUPATION.	RESIDENCE.
Benjamin H. Pond,	Oct. 25, 1867,	Captain,	Fireman,	Columbus ave.
John Frizzell,	Oct. 14, 1856,	Lieutenant,	Painter,	Everett ave.
Clarence V. Cook,	Oct. 1, 1858,	Engineman,	Fireman,	Arthur st.
Walter H. Young,	Dec. 25, 1869,	Asst. Engineman,	Fireman,	Fountain ave.
Lewis E. Seymour,	March 25, 1873,	Driver,	Fireman,	Cross st.
Charles Spike.	Feb. 8, 1875,	Driver,	Fireman,	Walnut st.
Robert Geaton,	Feb. 22, 1861,	Hoseman,	Painter,	Webster st.
Charles T. Garland,	Nov. 15, 1871,	Hoseman,	Coal Dealer,	Broadway.
Edward W. Burgess,	Aug. 3, 1859,	Hoseman,	Vegetable Dealer,	Otis st.
Cornelius A. Doherty,	April 30, 1873,	Hoseman,	Milk Dealer,	Cross st.
Caleb W. Kimball,	July 16, 1874,	Hoseman,	Paperhanger,	Franklin st.
Frederick W. Kimball,	Aug. 11, 1866,	Hoseman,	Woodworker,	Brook st.
David L. Stevens	March 17, 1873,	Hoseman,	Blacksmith,	Kensington ave.

ENGINE COMPANY NO. 4.

NAME.	BORN.	RANK.	OCCUPATION.	RESIDENCE.
John Gillooly,	June 9, 1856,	Captain,	Fireman,	Winslow ave.
Danforth S. Steele,	Sept. 9, 1850,	Lieutenant,	Foreman,	Leslie pl.
Lindorf D. Bixby,	Jan. 31, 1841,	Engineman,	Fireman,	Highland ave.
Edgar F. Curtis,	July 30, 1869,	Asst. Engineman,	Fireman,	Jaques st.
Charles H. Stearns,	Dec. 7, 1854,	Driver,	Fireman,	Highland ave.
Charles F. Hathaway,	Feb. 11, 1876,	Driver,	Fireman,	Grove st.
Joseph A. Sander,	April 28, 1868,	Hoseman,	On water works,	Elm ct.
John F. Berton,	Feb. 14, 1857,	Hoseman,	Painter,	College ave.
James I. King,	March 30, 1865,	Hoseman,	Painter,	Elm ct.
Eugene H. Jones,	June 17, 1864,	Hoseman,	Lineman,	Morrison Ave.
George C. Creighton,	Sept. 18, 1865,	Hoseman,	Type Founder,	Cutter ave.
John B. Rufer,	March 16, 1869,	Hoseman,	Blacksmith,	Lowell st.
George F. Bixby,	March 27, 1869,	Hoseman,	Laborer,	Highland ave.
Charles A. Frink,	April 23, 1873,	Hoseman,	Undertaker,	Gorham st.

HOSE COMPANY NO. 2.

NAME.	BORN.	RANK.	OCCUPATION.	RESIDENCE.
Francis W. Ring,	Aug. 7, 1854,	Captain,	Fireman,	Wheatland st.
Daniel R. Spike,	March 22, 1844,	Lieutenant,	Janitor,	Broadway.
Henry A. Angier,	April 30, 1838,	Driver,	Fireman,	Jaques st.
William F. Marble,	June 22, 1852,	Hoseman,	Fish Dealer,	Moreland st.
Harry V. Spike,	Aug. 2, 1873,	Hoseman,	Clerk,	Sargent ave.
Charles A. Woodbury,	Jan. 31, 1859,	Hoseman,	Foreman,	Sargent ave.
Frederic E. Cushing,	Dec. 20, 1845,	Hoseman,	Painter,	Marshall st.
Benjamin Marble,	May 1, 1870,	Hoseman,	Clerk,	Temple st.
John H. Pattee, Jr.,	Sept. 13, 1861,	Hoseman,	Painter,	Marshall st.
J. Walter Holmes,	Sept. 8, 1875,	Hoseman,	Victualler,	Marshall st.

HOSE COMPANY NO. 3.

NAME.	BORN.	RANK.	OCCUPATION.	RESIDENCE.
Thomas H. Daley,	Apr. 3, 1845,	Captain,	Fireman,	Broadway.
Henry J. Turner,	Feb. 24, 1865,	{ Lieutenant, { Driver,	Fireman,	Somerville ave.
Francis S. Brown,	Feb. 4, 1845,	Hoseman,	Watchman,	Columbus ave.
Thomas W. Joy,	Feb. 22, 1856,	Hoseman,	Cooper,	Somerville ave.
Alfred R. Higgins,	Feb. 25, 1849,	Hoseman,	Park Laborer,	Prospect st.
Edward A. Parker,	Oct. 29, 1851,	Hoseman,	Park Laborer,	Summer st.
Lyle Sterling,	Feb. 28, 1867,	Hoseman,	Horse Trainer,	Somerville ave.
Michael H. Kennedy,	July 14, 1873,	Hoseman,	Laborer,	Somerville ave.
Walter J. Green,	Oct. 25, 1868,	Hoseman,	Florist,	Somerville ave.

HOSE COMPANY NO. 5.

NAME.	BORN.	RANK.	OCCUPATION.	RESIDENCE.
Edwin F. Trefren,	March 28, 1858,	Captain,	Fireman,	Lowell st.
William J. Blaisdell,	May 16, 1846,	Lieutenant,	Painter,	Summer st.
Robert W. Jesson,	May 10, 1873,	Driver,	Fireman,	Pitman st.
Martin E. Driscoll,	Dec. 21, 1872,	Hoseman,	Painter,	Miller st.
Horace L. Dunklee,	Dec. 12, 1854,	Hoseman,	Fireman,	Somerville ave.
George R. Green,	Feb. 27, 1866,	Hoseman,	Florist,	Somerville ave.
Daniel W. McDermott,	March 14, 1846,	Hoseman,	Painter,	Somerville ave.
Albert F. McGrath,	July 14, 1877,	Hoseman,	Butcher,	Lowell st.
Otto T. Teakles,	March 22, 1871,	Hoseman,	Plasterer,	Atherton st.
Frederick G. Jones,	Nov. 26, 1866,	Hoseman,	Patrol Driver,	Somerville ave.

HOSE AND CHEMICAL COMPANY NO. 6.

NAME.	BORN.	RANK.	OCCUPATION.	RESIDENCE.
Joseph A. Cribby,	Aug. 22, 1864,	Captain,	Fireman,	Broadway.
George W. Bridges,	March 22, 1876,	Lieutenant,	Fireman,	Westminster st.
John T. Coney,	Nov. 2, 1876,	Driver,	Fireman,	Ellsworth st.
Walter M. Brown,	Sept. 6, 1863,	Hoseman,	Teamster,	Highland ave.
Elmer C. Shiere,	Apr. 29, 1878,	Hoseman,	Clerk,	Elm st.
Charles H. Bridges,	Nov. 29, 1848,	Hoseman,	Machinist,	Westminster st.
Homer A. White,	July 27, 1865,	Hoseman,	Painter,	Newbury st.
George H. Keay,	Sept. 23, 1868,	Hoseman,	Fish dealer,	Herbert st.

HOSE AND CHEMICAL COMPANY NO. 7.

NAME.	BORN.	RANK.	OCCUPATION.	RESIDENCE.
Arthur M. Gilman,	Aug. 19, 1866,	Lieutenant,	Fireman,	College ave.
Arthur C. Sellon,	July 15, 1863,	Driver,	Fireman,	Hancock st.
George R. Dale,	June 22, 1871,	Hoseman,	Fireman,	Lexington ave.
Harry G. White,	June 14, 1870,	Hoseman,	Electrician,	Hudson st.
Charles W. Hughes,	March 26, 1876,	Hoseman,	Painter,	Highland ave.
Wm. E. Bucknam, Jr.,	Oct. 12, 1870,	Hoseman,	Mason,	Hudson st.
Alfred M. Pride,	Apr. 6, 1869,	Hoseman,	Carpenter,	Hudson st.

CHEMICAL ENGINE COMPANY A.

NAME.	BORN.	RANK.	OCCUPATION.	RESIDENCE.
Wilfred Young,	Aug. 7, 1874,	Lieutenant,	Fireman,	Highland ave.
Frank L. Draper,	July 31, 1852	Operator,	Fireman,	Chester ave.
Charles H. Timson,	May 27, 1859,	Driver,	Fireman,	Broadway.

HOOK AND LADDER COMPANY NO. 1.

NAME.	BORN.	RANK.	OCCUPATION.	RESIDENCE.
Melvin B. Ricker,	Aug. 30, 1841,	Captain,	Fireman,	Prospect st.
Horace P. Ewell,	Feb. 28, 1857,	Lieutenant,	Carpenter,	Bow-st. pl.
Richard F. Clarkson,	May 18, 1859,	Driver,	Fireman,	Homer sq.
William A. McLane,	Jan. 7, 1860,	Ladderman,	Engineer,	Clark st.
Patrick J. Follon,	March 3, 1859,	Ladderman,	Laborer,	School st.
James D. Perkins,	Nov. 25, 1858,	Ladderman,	Paperhanger,	Bow-st. pl.
James E. Thompson,	Sept. 1, 1869,	Ladderman,	Laborer,	Broadway.
John H. Ford,	July 16, 1859,	Ladderman,	Painter,	Oak st.
Frank H. Eaton,	Feb. 1, 1855,	Ladderman,	Teamster,	Prospect pl.
Charles A. Caswell,	Jan. 18, 1870,	Ladderman,	Teamster,	Webster ave.
Herbert L. Webber,	Nov. 9 1869,	Ladderman,	Painter,	Columbus ave.
John H. Foy,	May 16, 1867,	Ladderman,	Painter,	Somerville ave.
Charles A. Southwick,	March 12, 1857,	Ladderman,	Janitor,	Berkeley st.

HOOK AND LADDER COMPANY NO. 2.

NAME.	BORN.	RANK.	OCCUPATION.	RESIDENCE.
Horace W. Hutchins,	Aug. 26, 1866,	Captain,	Fireman,	Hudson st.
Charles E. Shaw,	Oct. 13, 1854,	Lieutenant,	Paperhanger,	Eastman pl.
Harry F. Bucknam,	Sept. 21, 1872,	Driver,	Fireman,	Highland ave.
John E. Hill,	Dec. 25, 1845,	Ladderman,	Salesman,	Cherry st.
Clarence H. Alley,	March 16, 1869,	Ladderman,	Carpenter,	Highland ave.
Clarence T. Conant,	Dec. 10, 1868,	Ladderman,	Milkman,	Hudson st.
William J. Kennedy,	March 19, 1863,	Ladderman,	Plumber,	Alpine st.
LeBaron Emery,	May 11, 1859,	Ladderman,	Painter,	Alpine st.
John H. Givan,	June 9, 1865,	Ladderman,	Grocer,	Francis st.
George F. Hughes,	Oct. 6, 1852,	Ladderman,	Painter,	Highland ave.
Abner Peterson,	Feb. 28, 1879,	Ladderman,	Salesman,	Porter st.
Charles F. Mills,	Aug. 26, 1876,	Ladderman,	Carpenter,	Highland ave.
Joseph E. Emery,	Aug. 2, 1870,	Ladderman,	Painter,	Alpine st.

Respectfully submitted,

JAMES R. HOPKINS,

Chief Engineer.

REPORT OF THE CHIEF OF POLICE.

OFFICE OF THE CHIEF OF POLICE, }
 January 5, 1903. }

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

Gentlemen,—I respectfully present herewith a report of the work accomplished by the Police Department for the year ending December 31, 1902, with recommendations and suggestions for your consideration.

Arrests.

Whole number of arrests made	1,757
Males	1,662
Females	95
Americans	860
Foreigners	897

Miscellaneous.

Alarms given for fire	11
Buildings found open and secured	522
Disturbances suppressed	24
Defective streets reported	516
Larcenies reported	232
Amount reported stolen	\$5,168.00
Amount recovered	\$3,286.00
Obstructions in streets reported	286
Street lights reported not lighting	5,303

Police Signal, Patrol Wagon and Ambulance Service.

Number of on duty reports made	195,263
Number of runs with wagon	1,141
Number of prisoners conveyed to station	1,266
Number of miles run with wagon	1,778
Number of telephone calls	11,150
Number of persons conveyed in the ambulance	246

**Comparative Statement of the Number Held for Trial Each Year
During the Past Five Years for the Offences Named.**

OFFENCE.	1898.	1899.	1900.	1901.	1902.
Abandoning child . . . . .	..	1	..	..	..
Abortion . . . . .	..	1	..	..	..
Arson . . . . .	..	1	1	..	..
Assault and battery	113	126	115	122	138
Assault felonious	3	7	6	5	6
Bastardy	5	10	9	10	3
Breaking and entering	41	29	29	24	25
Common railer and brawler . . . . .	..	1	1	..	..
Contempt of court	2	..	2	..	3
Cruelty to animals	2	2	..	2	3
Disturbing the peace	17	13	16	33	34
Drunkenness	823	846	771	739	985
Eavesdropping . . . . .	..	..	..	1	..
Evading railroad fare	2	3	..	..	2
Embezzlement	7	8	..	..	..
Forgery	1	3	..	..	..
Fraud	6	4	3	4	3
Keeping unlicensed dog . . . . .	..	1	4	..	..
Keeping milk below standard . . . . .	..	..	2	20	30
Keeping common gambling joint . . . . .	..	..	1	..	..
Keeping horse with glanders . . . . .	..	..	2	..	..
Kidnapping child . . . . .	..	..	3	..	..
Larceny	74	68	112	83	86
Lewdness	3	8	4	6	5
Malicious mischief	6	30	22	27	43
Manslaughter . . . . .	..	..	..	1	..
Murder . . . . .	..	1	..	..	1
Neglected children	18	11	3	13	14
Neglect to support family	6	12	21	16	28
Peddling without license	28	17	27	15	11
Present where gaming implements were found . . . . .	..	..	15	17	7
Receiving stolen property	3	1	3	3	8
Refusing to assist officer . . . . .	..	..	..	2	..
Selling adulterated food . . . . .	..	7	14	2	..
Stubbornness	10	5	12	11	12
Threats	4	4	5	14	15
Trading in registered bottles	3	3	..	..	..
Unlawful sale of tobacco . . . . .	..	..	..	4	..
Unlawful use of registered bottles . . . . .	..	..	21	2	..
Violation of city ordinance	49	36	80	45	57
Violation of caucus laws . . . . .	..	2	..	..	..
Violation health laws	1	..	3	2	..
Violation liquor laws	8	13	7	23	21
Violation Lord's Day	10	33	27	44	55
Vagrancy	24	15	22	17	15
Willful trespass	17	14	65	19	21
Walking on railroad track	13	13	75	50	62
Total	1,299	1,349	1,503	1,376	1,693

Recommendations.

I respectfully recommend that one more lieutenant and two more sergeants be appointed, the lieutenant to have charge of the station during the night time, and the sergeants to be assigned to street duty in charge of the patrolmen; also that three more patrolmen be appointed to fill the vacancies made by the promotions above mentioned.

To increase the efficiency of this department is my earnest desire, and I recommend that an order, ordinance or rule be adopted which would terminate the services of police patrolmen of Somerville at the age of sixty-five years, if then in the service. Such a regulation would make room for active and younger men for police work, and the efficiency of the department could be maintained without increasing the number.

I also recommend that section 6 of chapter 29 of the city ordinances, regulating the sale of newspapers in the streets, be amended, so that licenses shall not expire until April 30 each year, instead of January 1, and that the same may be renewed on or before April 30, for the following year. There are over three hundred such licenses issued which expire January 1, annually, and cannot be renewed or granted at once on account of the necessary delay caused in reorganizing the city government.

In General.

The large increase in the number of arrests for drunkenness this year can be accounted for in part by the increase of the force and by a change of the routes of a number of patrolmen.

The prevention of crime is an officer's first duty; crime will be committed, however, regardless of the laws or officers. That the police do prevent crime is made manifest by the regard shown for the faithful and efficient patrolman by the citizens in all sections of the city. There can be no record kept of this important work, but the absence of repeated felonious assaults, robberies, or any number of burglaries in our city is good evidence that such crimes are, to a considerable extent, prevented by the police. The reputation of the department in cases of extraordinary difficulty has been maintained by the arrest March 30, 1902, in this city, of three habitual criminals for thievery in other sections of this Commonwealth, and in New York, New Jersey, Maine and Connecticut, and the recovery by officers of this department of a large amount of the property stolen; also by the arraignment of George L. O. Perry for the murder of Agnes McPhee, October 3, 1902, and who was held upon the evidence presented by the local police, and by the arrest of John March, of Boston, who was convicted and sentenced to the state prison for four years for a felonious assault upon a young girl of this city.

The good system of street lighting and the fact that no licenses are granted for the indiscriminate sale of intoxicating

liquors in this city help the police greatly in maintaining order and protecting property.

The department has been somewhat increased in number and reorganized this year. Two lieutenants, one inspector, two more regular patrolmen and two new reserve officers were appointed, and one patrolman retired on a pension for disability. All vacancies occurring were filled in regular order. The department now consists of a chief, one captain, two lieutenants, three sergeants, one inspector, forty-one patrolmen, and ten reserve officers, making a total of fifty-nine.

Twenty-four officers lost in the aggregate five hundred and seven days' duty on account of sickness.

Recapitulation of Changes.

PROMOTIONS.

May 22, 1902, Sergeants Dennis Kelley and Eugene A. Carter to be lieutenants, and Patrolman George H. Carleton to be inspector.

September 16, 1902, Hudson M. Howe, Frederick J. Balcom, Frank H. Graves, Ernest S. Goff and Sanford S. Lewis, of the reserve force, to be regular patrolmen.

APPOINTMENTS TO THE RESERVE FORCE.

Harvey R. Fuller, William J. Sutherland and Thomas F. McNamara, May 8, 1902, and Louis F. Arnold, Charles S. Johnston, James M. Lynch, George E. Reece and Martin Sharry, September 16, 1902.

RETIREMENTS, ETC.

George W. Bean was placed upon the retired list and pensioned for disability incurred in the line of duty, July 2, 1902.

Charles S. Thrasher resigned August 14, 1902, and John G. Knight was dismissed from the force September 16, 1902.

IN MEMORIAM.

RESERVE OFFICER CLIFFORD B. TRUE.

Died April 6, 1902.

In conclusion, I wish to extend to the Honorable Edward Glines, Mayor, the Board of Aldermen, and Hon. L. Roger Wentworth, Justice of the Police Court of Somerville, my most heartfelt thanks for the encouragement, cordial support and valuable advice given me. To the officers and patrolmen I also extend my thanks for their faithful and strenuous efforts to protect life and property and maintain order.

Official Roster of Police Department.

Melville C. Parkhurst,	Chief of Police,	58 Columbus Avenue.
Robert R. Perry,	Captain,	15 Oliver Street.
Dennis Kelley,	Lieutenant,	112 School Street.
Eugene A. Carter,	"	42 Spring Street.
Edward McGarr,	Sergeant,	10 Spring Street.
Christopher C. Cavanagh,	"	10 Grand View Avenue.
Charles E. Woodman,	"	20 Preston Road.
George H. Carleton,	Inspector,	67 Park Street.

PATROLMEN.

Allen, Charles W.,	44 Tower Street.
Balcom, Frederic J.,	27 Holyoke Road.
Bolton, David A.,	6 Giles Park.
Burns, Samuel,	15 Thorpe Place.
Byrnes, Charles E.,	12 Windham Road.
Carter, Edward M.,	9 Pleasant Avenue.
Carlton, Ira S.,	20 Preston Road.
Chisholm, Jotham,	42 Stone Avenue.
Dadmun, John A.,	112 Pearl Street.
Damery, Thomas,	47 Charnwood Road.
Davidson, William J.,	34 Crocker Street.
Dodge, Ezra A.,	35 Fairmount Avenue.
Drew, Elmer E.,	1214 Broadway.
Fuller, John E.,	79 Jenny Lind Avenue.
Gammon, Eugene H.,	34 Wallace Street.
Goff, Ernest S.,	18 Endicott Avenue.
Googins, Fred H.,	3 Lawson Terrace.
Gott, Myron S.,	274 Highland Avenue.
Graves, Frank H.,	327 Highland Avenue.
Hafford, John,	327 Washington Street.
Harmon, James M.,	59 Simpson Avenue.
Heron, Theodore E.,	15 Oliver Street.
Hilton, Herbert,	84 Partridge Avenue.
Howe, Hudson M.,	53 Moore Street.
Hopkins, Frank C.,	22 St. James Avenue.
Johnston, William H.,	47 Union Square.
Keating, Arthur E.,	85 Avon Street.
Kennedy, Michael T.,	19 Kent Court.
Lewis, Sanford S.,	86 Elm Street.
Perkins, Francis A.,	73 Partridge Avenue.
Pollard, James J.,	30 Belmont Street.
Ray, John A.,	89 Concord Avenue.
Reick, Charles W.,	9 Grove Street.
Rice, George L.,	51 Avon Street.
Simons, Daniel G.,	12 Windham Road.
Skinner, Jacob W.,	3 Avon Street.

Skinner, Phineas W.,	225 Summer Street.
Smith, George L.,	94 Broadway.
Staples, Albion L.,	43 Bow Street.
Stevens, Charles W.,	63 Preston Road.
Woodsum, Eugene A.,	34 Summit Avenue.

RESERVE OFFICERS.

Allen, Harry L.,	21 Cutter Avenue.
Arnold, Louis F.,	17 Franklin Avenue.
Fuller, Harvey R.,	17 Campbell Park.
Johnston, Charles S.,	24 Stone Avenue.
Lynch, James M.,	28-A Laurel Street.
McNamara, Thomas F.,	157 Beacon street.
Reece, George E.,	222 Medford Street.
Sharry, Martin,	50-A Line Street.
Sudbey, Henry A.,	7 Wyatt Street.
Sutherland, William J.,	43 Madison Street.

Respectfully submitted,
 MELVILLE C. PARKHURST,
 Chief of Police.

REPORT OF SEALER OF WEIGHTS AND MEASURES.

OFFICE OF SEALER OF WEIGHTS AND MEASURES, }
City Hall Annex, Somerville, January 2, 1903. }

To His Honor, the Mayor, and the Board of Aldermen:—

The following report of the Sealer of Weights and Measures for the year ending December 31, 1902, 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."

When 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 advertisement in the Somerville Journal, in March.

During the year the Sealer visited all places in the city where goods were bought or sold, and tested and sealed all scales, weights and measures which were found correct, and condemned all found beyond repair and useless. One hundred and eighty-five scales, weights and measures were adjusted before sealing, and nineteen scales were tagged for repairs, twelve of which were repaired, as ordered, and the remaining seven put out of use.

Work done in the office during the year 1902 was as follows:—

Number of scales sealed	209	
Number of weights sealed	241	
Number of dry measures sealed	462	
Number of milk jars sealed	45,284	
Number of milk cans sealed	8,082	
Number of coal baskets sealed	56	
	<hr/>	
Total number sealed		54,334
Number of scales adjusted and sealed	29	
Number of weights adjusted and sealed	20	
Number of dry measures adjusted and sealed	1	
Number of liquid measures adjusted and sealed	4	
	<hr/>	
Total number adjusted and sealed		54
Number of scales tagged for repairs	8	
Number of scales repaired as ordered	7	
	<hr/>	
Total number tagged and repaired		15
Number of scales condemned	13	
Number of dry measures condemned	11	
Number of tin liquid measures condemned	13	
Number of glass milk jars condemned	4,085	
	<hr/>	
Total number condemned		4,122
	<hr/>	
Total number of tests in the office		58,525
	<hr/>	

Work done outside of office:—

Number of scales sealed	989	
Number of weights sealed	3,414	
Number of dry measures sealed	1,028	
Number of liquid measures sealed	1,281	
Number of yard sticks sealed	98	
Number of coal baskets sealed	36	
	<hr/>	
Total number sealed		6,846
Number of scales adjusted and sealed	86	
Number of weights adjusted and sealed	37	
Number of dry measures adjusted and sealed	6	
Number of liquid measures adjusted and sealed	2	
	<hr/>	
Total number adjusted and sealed		131
Number of scales tagged for repairs	11	
Number of scales repaired as ordered	5	
	<hr/>	
Total number tagged and repaired		16
Number of weights condemned	1	
Number of dry measures condemned	56	
Number of liquid measures condemned	16	
Number of yard sticks condemned	4	
	<hr/>	
Total number condemned		77
	<hr/>	
Total number of tests outside of office		7,070
	<hr/>	
Total number of tests in and out of the office		65,595

Receipts for the year 1902:—

Appropriation	\$1,100 00	
Received for sealing	361 86	
Received for adjusting	6 60	
	<hr/>	\$1,468 46

Expenditures for the year 1902:—

Printing; books, and supplies	\$148 65	
Amount paid helper	134 00	
Salary	900 00	
Team	200 00	
	<hr/>	\$1,382 65
Unexpended balance		<hr/> \$85 81

JOHN H. DUSSEAULT,
Sealer of Weights and Measures.

REPORT OF THE CITY SOLICITOR.

SOMERVILLE, February 10, 1903.

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

Gentlemen,—The following is my report as city solicitor for the year 1902:—

By chapter 504 of the acts of the legislature for the year 1902, the city was authorized to take for a public park in West Somerville a certain tract of land, the owners of which have for several years been endeavoring to secure from the legislature the privilege of blasting rock, notwithstanding the refusal of the city government to grant a license for such blasting. It seems desirable that the city government should before long determine whether to take advantage of this act.

The construction of a bridge over the Mystic river, at Middlesex avenue, by the metropolitan park commission, was authorized by chapter 491 of the acts of the legislature for the year 1901. As the result of a petition to the harbor and land commissioners of the commonwealth, and an application to the war department of the United States, a large area of unsightly flats near the new bridge will be filled, and much valuable land and taxable property will thereby be added to the city.

By chapter 440 of the acts of the legislature for the year 1902, an expenditure of five millions of dollars by the commonwealth was authorized for the abolition of grade crossings. Certain provisions in the act making street railways parties will apply to the proceedings already brought by this city. Petitions are now pending in the superior court for the abolition of the five grade crossings of the Fitchburg division of the Boston & Maine railroad, and the crossing of the Boston & Albany division of the New York Central & Hudson River railroad at Somerville avenue. The next steps would be to bring in the street railway companies as parties to the proceedings, and to ask for the appointment of commissioners to determine whether and how the work should be done. If it should prove that territory in Cambridge would be affected, it might be necessary to secure a special act from the legislature.

Settlement has finally been made with all the owners of land on Prospect Hill taken for park purposes, and there seems to be nothing in the way of preparing for the assessment of betterments within the time allowed by law.

The general work of the department in regard to court matters, opinions, examination of titles, etc., has been about the same as in other years.

Very respectfully,
FRANK W. KAAAN,
City Solicitor.

REPORT OF THE CITY CLERK.

OFFICE OF THE CITY CLERK, }
January 15, 1903. }

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

Gentlemen,—The following is respectfully submitted as the thirty-first annual report of the city clerk of the city of Somerville, and is for the year ending December 31, 1902.

The receipts and payments were as follows:—

Receipts.

Balance from year 1901, being for dog licenses issued in December, 1901:—		
2 males at \$2.00	\$4 00	
1 female at \$5.00	5 00	
	\$9 00	
Less city clerk's fees paid to the city treasurer in December, 1901, 3 at \$.20 .	60	
		\$8 40
For dog licenses issued in 1902:—		
1,294 males at \$2.00	\$2,588 00	
234 females at \$5.00	1,170 00	
16 spayed at \$2.00	32 00	
2 breeders' licenses at \$25.00	50 00	
		3,840 00
Recording mortgages, assignments, etc., 753 papers	437 00	
Certificates of marriage intentions, 687 at \$.50	343 50	
Furnishing copies of records	41 25	
Licenses:—		
To collect junk, 23 at \$10.00	230 00	
For junk shop, 1 at \$25.00	25 00	
For billiard and pool tables and bowling alleys, 14 licenses, for 44 tables and 9 alleys, at \$2.00	106 00	
To private detectives, 2 at \$10.00	20 00	
To auctioneers, 21 at \$2.00	42 00	
To sell fireworks, 52 at \$1.00	52 00	
To keep intelligence offices, 12 at \$2.00	24 00	
To keep second-hand shop, 1 at \$25.00	25 00	
For amusements, 44 at \$1.00	44 00	
To street musicians, 28 persons at \$.50	14 00	
To slaughter cattle, 5 at \$1.00	5 00	
For recording and issuing liquor licenses, 29 at \$1.00	29 00	
		1,437 75
Total receipts		\$5,286 15
Amount carried forward		\$5,286 15

Amount brought forward \$5,286 15

Payments.

To Joseph O. Hayden, county treasurer,
June 1 and December 1, receipts for
dog licenses from December 1, 1901,
to November 30, 1902, both inclu-
sive:—

1,296 males at \$2.00	\$2,592 00
234 females at \$5.00	1,170 00
16 spayed at \$2.00	32 00
2 breeders' licenses at \$25.00	50 00

\$3,844 00

Less city clerk's fees, 1,548 at \$.20 309 60

\$3,534 40

To the city treasurer, monthly:—

City clerk's fees for issuing and recording
dog licenses, 1,546 at \$.20 \$309 20

All the receipts above specified, except for
dog licenses 1,437 75

1,746 95

Total payments \$5,281 35

Balance January 1, 1903, being for dog li-
cense issued in December:—

1 female at \$5.00 \$5 00

Less city clerk's fee paid to the city treas-
urer, 1 at \$.20 20

\$4 80

Licenses and Permits.

In addition to the licenses mentioned in the foregoing state-
ment, licenses and permits, granted by the Board of Aldermen,
for which no fee is charged, have been issued as follows:—

Innholders	4
Common victuallers	37
Auctioneers (to veterans of the Civil War)	6
Drain layers	14
Newsboys	256
Newsboys' licenses revoked	4
To cry calling in streets:—	
Junk collectors	23
Umbrella mender	1
To cry goods in streets	36
Number in addition granted, but not called for	20
To ring bell in streets:—	
Ice cream venders	3
Number in addition granted, but not called for	1
Scissors' sharpeners	8
To Salvation Army to hold meetings in streets	1
To hold religious services in streets and public grounds	2
To set up and use engines:—	
gas engine	1
steam engine	1
To blast rock or stone	6

To maintain projections over sidewalks:—	
signs	9
druggist's mortar sign	1
electric signs	2
awnings	1
To set and maintain hitching posts	3
To set and maintain carriage block on sidewalk	1
To erect and maintain posts and guy wires while building bridge	1
To suspend flag over street on July 4	1
To move buildings through streets	5
For use of part of Central Hill Park by Ladies' Volunteer Aid Society, July 4	1
For use of city band stand in Union square by the Somerville Veterans' Band	1

Permission has been granted the West End Street Railway Company to lay street railway tracks for the extension of turn-outs in Broadway, near Main street, and at the junction of Concord avenue and Newton street. Permission has also been granted for the erection of poles and electric wires and fixtures, and for the laying of gas mains in sundry streets. The orders granting these privileges require the filing of acceptances and agreements satisfactory to the city solicitor before the orders shall take effect.

Births.

Number of births (exclusive of still-births) in Somerville in 1902 registered	1,525
Less than previous year	26
Males	773
Females	752
	<hr/> 1,525
Born of American parents	503
Born of foreign parents	653
Born of American father and foreign mother	179
Born of foreign father and American mother	182
Born of American mother and father of unknown nationality	6
Born of foreign mother and father of unknown nationality	2
	<hr/> 1,525
Number of cases of twins	15
Number of still-births in Somerville in 1902 registered	69
Number of births in other places in 1902 registered in Somerville	156
Whole number of births in 1902 registered in Somerville	1,750
Number reported by both canvasser and physician	1,171
Number reported by canvasser alone	273
Number reported by physician alone	234
Number reported by clerk or registrar of other place and canvasser	21
Number reported by clerk or registrar of other place and physician	10
Number reported only by clerk or registrar of other place	17
Number of still-births taken from death records	24
	<hr/> 1,750

A very few of the births were also reported directly by the parents.

Constant efforts are made to keep before the minds of physicians the requirements of law in regard to reporting births. Nearly all the physicians make reports, but some withhold them until the end of the year, instead of reporting monthly, as the law requires. The canvasser's returns show that in nearly every instance in which this practice is followed the physician does not report all the births which he attends: this is a natural consequence, for in reviewing an entire year's work, something is pretty sure to be overlooked. It is hoped that all physicians may be induced to comply with the law without a resort to the legal remedy. The canvassers are required to obtain the name of the attending physician, so that the clerk may know by whom reports should have been made.

It will be seen by the foregoing figures that many of the births were reported by canvassers alone, and others by physicians alone. All or nearly all of those reported solely by physicians doubtless occurred in families that removed from the city before the close of the year, and therefore were not found by the canvassers, whose work begins on the first of January of the year following. Of the 273 reported solely by canvassers, 121 occurred in other cities and towns, leaving 152 that should also have been reported by physicians or midwives. All these occurred in families that remained in Somerville; and it is fair to presume that there was similar neglect in regard to more or less births in families that afterwards removed from the city, which, in consequence, will not be found in any public records.

Marriages.

Number of intention certificates issued in 1902		687
More than previous year		16
Marriages registered		706
More than previous year		5
Both parties American	355	
Both parties foreign	178	
American groom and foreign bride	100	
Foreign groom and American bride	73	
	<hr/>	706 couples
First marriage of	1,278	
Second marriage of	128	
Third marriage of	6	
	<hr/>	706 couples

Deaths.

(Exclusive of stillbirths.)

Number of deaths in Somerville in 1902		890
More than previous year		59
Males	450	
Females	440	
	<hr/>	890

Under 10 years of age	260	
10 and under 20 years of age	32	
20 and under 30 years of age	59	
30 and under 40 years of age	72	
40 and under 50 years of age	74	
50 and under 60 years of age	86	
60 and under 70 years of age	127	
70 and under 80 years of age	121	
80 and under 90 years of age	56	
90 years of age and over	3	
		890
Age of oldest person deceased	94 yrs. 3 mos.	10 dys.
Born in Somerville	253	
Born in other places in the United States	350	
Of foreign birth	280	
Birthplace unknown	7	
		890
Number of deaths in January	86	
“ “ February	81	
“ “ March	80	
“ “ April	73	
“ “ May	59	
“ “ June	70	
“ “ July	74	
“ “ August	73	
“ “ September	55	
“ “ October	79	
“ “ November	72	
“ “ December	88	
		890

The number of stillbirths recorded during the year was sixty-nine, two of which were not reported by undertakers, and consequently do not appear in the records of the board of health, under whose direction burial permits are issued. The causes of death may be found in the report of the board of health.

Assessed Polls and Registered Voters.

MEN'S LISTS.

WARD.	PRECINCT.	As- sessed Polls, May 1, 1902.	REGISTERED VOTERS.							
			Nov. 25, 1901.	Re- vised Lists of Aug. 1, 1902.	Added in Sept. and Oct. 1902.	Oct. 23, 1902.	Added in Nov., 1902.	Nov. 24, 1902.	Voted Nov. 4, 1902.	Voted Dec. 9, 1902.
Ward 1 . . .	Precinct 1 . . .	716	340	291	49	340	12	352	254	214
" 1 . . .	" 2 . . .	541	296	269	47	316	5	321	231	174
" 1 . . .	" 3 . . .	869	419	373	67	440	47	487	326	331
" 1 . . .	" 4 . . .	752	309	268	65	333	35	368	288	312
		2,878	1,364	1,201	228	1,429	99	1,523	1,099	1,031
Ward 2 . . .	Precinct 1 . . .	997	447	377	75	452	3	455	362	259
" 2 . . .	" 2 . . .	1,210	538	465	80	545	-2	543	432	283
" 2 . . .	" 3 . . .	869	380	345	73	418	2	420	346	230
		3,076	1,365	1,187	228	1,415	3	1,418	1,140	772
Ward 3 . . .	Precinct 1 . . .	931	641	573	77	650	-2	648	498	340
" 3 . . .	" 2 . . .	1,158	728	656	78	734	4	738	550	375
		2,089	1,369	1,229	155	1,384	2	1,386	1,048	715
Ward 4 . . .	Precinct 1 . . .	1,131	639	563	71	634	4	638	471	286
" 4 . . .	" 2 . . .	882	495	447	77	524	5	529	414	220
		2,063	1,132	1,010	148	1,158	9	1,167	885	506
Ward 5 . . .	Precinct 1 . . .	1,174	676	640	73	713	9	722	559	344
" 5 . . .	" 2 . . .	1,510	754	691	123	814	5	819	644	366
		2,684	1,430	1,331	196	1,527	14	1,541	1,203	710
Ward 6 . . .	Precinct 1 . . .	1,213	700	630	86	716	10	726	521	369
" 6 . . .	" 2 . . .	1,738	817	768	129	897	13	910	658	365
		2,951	1,517	1,398	215	1,613	23	1,636	1,179	734
Ward 7 . . .	Precinct 1 . . .	1,015	587	526	65	591	10	601	408	334
" 7 . . .	" 2 . . .	1,454	735	671	137	808	15	823	622	445
		2,469	1,322	1,197	202	1,399	25	1,424	1,030	779
City . . .	. . . . .	18,210	9,499	8,553	1,372	9,925	175	10,100	7,644	5,247

WOMEN'S VOTING LISTS.

WARD.	PRECINCT.	Nov. 25, 1901.	Revised Lists of Aug. 1, 1902.	Added in Sept. and Oct., 1902.	October 23, 1902.	Added in Nov. 1902.	Nov. 24, 1902.	Voted Decem- ber 9, 1902.
Ward 1 . . .	Precinct 1 .	19	18	-1	17	1	18	6
" 1 . . .	" 2 .	6	6	..	6	2	8	..
" 1 . . .	" 3 .	19	18	..	18	..	18	1
" 1 . . .	" 4 .	..	..	..	..	..	..	..
		44	42	-1	41	3	44	7
Ward 2 . . .	Precinct 1 .	5	5	..	5	..	5	1
" 2 . . .	" 2 .	7	5	..	5	..	5	..
" 2 . . .	" 3 .	2	1	..	1	..	1	..
		14	11	..	11	..	11	1
Ward 3 . . .	Precinct 1 .	36	29	1	30	1	31	..
" 3 . . .	" 2 .	67	58	..	58	..	58	6
		103	87	1	88	1	89	6
Ward 4 . . .	Precinct 1 .	25	21	..	21	2	23	2
" 4 . . .	" 2 .	22	20	..	20	1	21	2
		47	41	..	41	3	44	4
Ward 5 . . .	Precinct 1 .	47	47	..	47	1	48	3
" 5 . . .	" 2 .	28	23	..	23	..	23	1
		75	70	..	70	1	71	4
Ward 6 . . .	Precinct 1 .	53	44	..	44	1	45	2
" 6 . . .	" 2 .	34	31	..	31	2	33	3
		87	75	..	75	3	78	5
Ward 7 . . .	Precinct 1 .	37	36	-1	35	..	35	2
" 7 . . .	" 2 .	46	44	1	45	..	45	10
		83	80	..	80	..	80	12
City . . .	. . . .	453	406	..	406	11	417	39

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 4, 1902:—

CANDIDATE.	PARTY.	WARDS.							Total.
		1	2	3	4	5	6	7	
GOVERNOR.									
John L. Bates,	Republican,	581	262	729	634	711	645	795	4,357
Michael T. Berry,	Socialist Labor,	12	26	4	3	12	10	12	79
John C. Chase,	Socialist,	69	106	48	48	68	88	54	481
William A. Gaston,	Democratic,	400	706	246	181	381	397	209	2,520
William H. Partridge,	Prohibition,	2	4	8	11	9	12	12	58
Albion A. Perry,		....	....	....	....	1	....	....	1
Blank,		35	36	13	8	21	27	8	148
LIEUTENANT-GOVERNOR.									
John Quincy Adams,	Socialist,	109	121	70	67	88	107	88	650
Thomas F. Brennan,	Socialist Labor,	16	36	6	3	16	17	13	107
Oliver W. Cobb,	Prohibition,	6	6	15	11	13	18	24	93
Curtis Guild, Jr.,	Republican,	579	255	734	641	731	665	797	4,402
Herbert C. Joyner,	Democratic,	322	628	185	142	315	307	140	2,039
Blank,		67	94	38	21	40	65	28	353
SECRETARY.									
Edward A. Buckland,	Socialist,	97	99	55	59	81	95	69	555
Herbert B. Griffin,	Prohibition,	7	5	13	15	18	17	25	100
Jeremiah O'Fihelly,	Socialist Labor,	13	34	7	4	12	15	10	95
William M. Olin,	Republican,	579	267	765	656	755	711	831	4,564
Willmore B. Stone,	Democratic,	309	616	153	121	293	270	114	1,876
Blank,		94	119	55	30	44	71	41	454
TREASURER.									
Edward S. Bradford,	Republican,	583	263	749	658	746	709	819	4,527
Joseph L. Chalifoux,	Democratic,	303	619	148	119	290	270	107	1,856
Frederick A. Nagler,	Socialist Labor,	16	25	7	5	21	11	11	96
Daniel Parlin,	Prohibition,	6	9	13	13	13	15	28	97
David Taylor,	Socialist,	88	97	61	54	75	90	72	537
Blank,		103	127	70	36	58	84	53	531
AUDITOR.									
David Morrison,	Prohibition,	11	4	26	15	19	25	27	127
S. Fremont Packard,	Socialist,	82	98	58	56	76	88	68	526
Charles Stoeber,	Socialist Labor,	21	29	6	7	17	12	18	110
Thomas C. Thacher,	Democratic,	301	610	149	123	299	280	120	1,882
Henry E. Turner,	Republican,	571	258	732	643	721	681	792	4,398
Blank,		113	141	77	41	71	93	65	601
ATTORNEY-GENERAL.									
Allen Coffin,	Prohibition,	14	4	13	17	18	27	31	124
Charles E. Fenner,	Socialist,	91	99	63	57	73	91	66	540
John J. Flaherty,	Democratic,	295	622	145	105	286	270	95	1,818
John A. Henley,	Socialist Labor,	16	30	7	32	18	8	12	123
Herbert Parker,	Republican,	577	263	750	642	748	704	830	4,514
Blank,		106	122	70	32	60	79	56	525

CANDIDATE.	PARTY.	WARDS.							TOTAL.
		1	2	3	4	5	6	7	
REPRESENTATIVE IN CONGRESS.									
Charles A. Johnson,	Socialist Labor,	30	41	16	16	23	24	21	171
Grenville S. MacFarland,	Democratic,	288	602	133	109	268	260	102	1,762
Samuel W. McCall,	Republican,	598	299	774	648	778	728	862	4,687
Charles W. White,	Socialist,	94	98	61	72	83	89	59	556
Edward Glines,	.....	.....	.....	.....	.....	1	1	.....	2
Blank,		89	100	64	40	50	77	46	466
COUNCILLOR.									
Edwin R. Hoag,	Republican,	560	247	724	616	730	670	805	4,352
George A. Sanderson,	Democratic,	316	616	164	136	294	293	125	1,944
Frederick W. Wolffer,	Socialist,	112	129	67	78	105	107	83	681
Blank,		111	148	63	55	74	109	77	667
SENATOR.									
Charles A. Cashdollar,	Socialist,	109	124	67	71	96	101	78	646
Leonard B. Chandler,	Republican,	578	268	741	663	756	714	843	4,563
Reuben L. Richardson,	Democratic,	299	606	158	120	295	260	113	1,851
William L. Barber,	.....	.....	.....	.....	.....	1	.....	.....	1
Blank,		113	142	82	31	55	104	56	583
REPRESENTATIVE, SIXTH DIST.									
John Diggins,	Democratic,	400	.....	.....	.....	.....	.....	.....	400
David L. Flannery,	Socialist,	75	.....	.....	.....	.....	.....	.....	75
Charles F. Wildes,	Republican,	574	.....	.....	.....	.....	.....	.....	574
Blank,		50	.....	.....	.....	.....	.....	.....	50
REPRESENTATIVES, 7TH DIST. (3)									
Joseph P. Boyce,	Republican Ind.,	.....	63	126	.....	.....	206	377	772
William C. Brown,	Democratic,	.....	691	143	.....	.....	253	106	1,093
William J. Cunningham,	Democratic,	.....	690	153	.....	.....	274	101	1,218
Joseph A. Haley,	Democratic,	.....	647	134	.....	.....	220	84	1,085
Robert Luce,	Republican,	.....	260	746	.....	.....	679	745	2,430
Squire E. Putney,	Socialist,	.....	101	63	.....	.....	87	64	315
Charles W. Saunders,	Socialist,	.....	105	56	.....	.....	84	69	314
Isaac M. Story,	Republican,	.....	230	637	.....	.....	615	614	2,096
Arthur P. Vinal,	Republican,	.....	249	765	.....	.....	652	734	2,400
Scattering votes,	.....	.....	3	1	.....	.....	1	.....	5
Blank,		.....	481	320	.....	.....	466	376	1,643
REPRESENTATIVE, EIGHTH DIST.									
Augustus P. Griffin,	Democratic,	.....	.....	.....	188	397	.....	.....	585
John L. Mulholland,	Socialist,	.....	.....	.....	66	81	.....	.....	147
Charles L. Underhill,	Republican,	.....	.....	.....	578	657	.....	.....	1,235
Blank,		.....	.....	.....	53	68	.....	.....	121
COUNTY COMMISSIONER.									
George R. Duren,	Democratic,	305	596	148	121	287	263	111	1,831
Levi S. Gould,	Republican,	572	257	731	636	747	684	802	4,429
Arthur Staveley,	Socialist,	102	123	64	63	81	94	72	599
Luther S. Wood,	Prohibition,	12	10	20	15	12	30	27	126
Blank,		108	154	85	50	76	108	78	659

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 liquor licenses, at the city election held December 9, 1902: —

CANDIDATE.	PARTY.	WARDS.							TOTAL.
		1	2	3	4	5	6	7	
MAYOR.									
Edward Glines,	Republican,	547	252	558	417	459	510	650	3,393
Harold Hellberg,	Socialist Labor,	3	10	8	....	6	10	8	45
James W. Kenney,	Democratic,	369	419	80	32	148	124	45	1,217
Squire E. Putney,	Socialist,	49	68	41	44	70	56	42	370
Christopher E. Rymes,	.....	....	....	....	....	....	1	....	1
Blank,		63	23	28	13	27	33	34	221
ALDERMAN-AT-LARGE, WARD 1.									
Charles S. Gilman,	Republican,	503	174	500	394	408	410	50	2,890
Charles R. Ross,	Democratic,	337	384	76	42	158	114	41	1,152
John F. Wilbur,	Socialist,	61	72	43	40	63	52	38	369
Blank,		130	142	96	30	81	158	199	836
ALDERMAN-AT-LARGE, WARD 2.									
Horace A. Belcher,	Republican,	479	201	500	394	418	417	499	2,908
Jacob Berman,	Socialist,	43	62	31	36	59	50	30	311
Philip Koen,	Democratic,	285	420	69	32	137	100	30	1,073
Augustus F. Pecheur,	Socialist Labor,	14	15	9	1	19	12	7	77
Blank,		210	74	106	43	77	155	213	878
ALDERMAN-AT-LARGE, WARD 3.									
Joseph S. Pike,	Republican,	494	220	573	403	443	442	510	3,085
John D. Rusden,	Socialist,	135	192	59	48	106	87	46	673
Frank Q. Harrington,	.....	....	....	....	....	1	....	....	1
Blank,		402	360	83	55	160	205	223	1,488
ALDERMAN-AT-LARGE, WARD 4.									
Charles A. Cashdollar,	Socialist,	64	78	46	51	65	58	43	405
Martin Gill,	Democratic,	271	360	69	32	139	112	34	1,017
Edwin N. Simonds,	Republican,	456	171	480	398	403	383	481	2,772
Blank,		240	163	120	25	103	181	221	1,053
ALDERMAN-AT-LARGE, WARD 5.									
John P. Burke,	Democratic,	268	372	67	41	171	114	37	1,070
Frank A. Noyes,	Republican,	461	167	489	374	434	393	489	2,807
Winfield P. Porter,	Socialist,	57	73	44	48	54	57	36	369
Blank,		245	160	115	43	51	170	217	1,001
ALDERMAN-AT-LARGE, WARD 6.									
Embert E. Hopkins,	Socialist,	73	76	47	44	76	73	81	470
Ralph A. Landers,	Republican,	456	170	484	380	393	440	431	2,754
Andrew Mortenson,	Socialist Labor,	7	19	8	3	15	11	10	73
Leo A. Rogers,	Democratic,	217	322	55	31	111	91	29	856
John F. Burke,	.....	....	....	....	....	....	1	....	1
Blank,		278	185	121	48	115	118	228	1,093
ALDERMAN-AT-LARGE, WARD 7.									
Warren C. Daggett,	Dem., Repub.,	505	252	463	381	443	420	608	3,072
Clarence P. Gowell,	Socialist,	104	159	68	45	90	93	70	629
Blank,		422	361	184	80	177	221	101	1,546

CANDIDATE.	Party.	WARDS.							TOTAL.
		1	2	3	4	5	6	7	
SCHOOL COMMITTEE (2 yrs.) WARD 2.									
Douglas S. Flewelling,	Republican,	....	210	....	....	....	....	....	210
Edward J. Flynn,	Democratic;	....	480	....	....	....	....	....	480
Joseph Morrison,		....	1	....	....	....	....	....	1
Blank,		....	82	....	....	....	....	....	82
SCHOOL COMMITTEE (2 yrs.) WARD 3.									
Dana W. Bennett,	Republican,	....	....	577	....	....	....	....	577
Blank,		....	....	144	....	....	....	....	144
SCHOOL COMMITTEE (2 yrs.) WARD 4.									
William P. Jones,	Dem., Repub.,	....	....	....	407	....	....	....	407
John L. Murdock,	Socialist,	....	....	....	52	....	....	....	52
Blank,		....	....	....	51	....	....	....	51
SCHOOL COMMITTEE (2 yrs.) WARD 5.									
Charles F. Maguire,	Democratic,	....	....	....	....	175	....	....	175
John Walter Sanborn,	Republican,	....	....	....	....	427	....	....	427
Frederick W. Wolffer,	Socialist,	....	....	....	....	47	....	....	47
Blank,		....	....	....	....	65	....	....	65
SCHOOL COMMITTEE (2 yrs.) WARD 6.									
John J. Brine,	Democratic,	....	....	....	....	....	144	....	144
Charles H. Hood,	Republican,	....	....	....	....	....	495	....	495
Blank,		....	....	....	....	....	100	....	100
SCHOOL COMMITTEE (2 yrs.) WARD 7.									
Henrietta B. H. Attwood,	Republican,	....	....	....	....	....	....	559	559
C. Fred Blanchard,	Socialist,	....	....	....	....	....	....	88	88
Blank,		....	....	....	....	....	....	144	144
Shall liquor licenses be granted?									
Yes,		386	489	157	62	211	215	125	1,645
No,		528	221	524	428	470	468	603	3,242
Blank,		117	62	34	16	29	51	51	360

The number voting at the state and city elections will be found in the foregoing tables of the men's and women's voting lists.

Liquor License Question.

The vote of the city on the question of granting licenses for the sale of intoxicating liquors, in each of the several years when this question has been submitted to the people, is again presented herewith, to afford a ready reference for the many who from time to time seek information in regard to it.

This vote has no bearing on licenses of the sixth and seventh classes, which may be granted at the discretion of the board of aldermen. They are defined in the law as follows:—

Sixth Class.—Licenses to retail druggists and apothecaries to sell liquors of any kind for medicinal, mechanical or chemical purposes only, and to such persons only as may certify in writing for what use they want them.

Seventh Class.—Licenses to dealers in paints or in chemicals to sell alcohol for mechanical, manufacturing or chemical purposes only.

The following is a statement of the vote, with the number of registered voters and the estimated population for each year:—

YEAR.	YES.	NO.	BLANK.	REGISTERED VOTERS.	ESTIMATED POPULATION.
1881	979	1,222		3,678	26,000
1882	627	1,159		3,778	26,500
1883	767	1,343		4,407	27,000
1884	806	1,709		4,470	28,000
1885	428	1,604		3,969	*29,992
1886	214	1,321		4,089	32,000
1887	555	2,427		4,574	34,000
1888	744	2,456		5,399	36,000
1889	635	1,706	335	5,286	39,000
1890	999	2,282	409	5,556	*40,117
1891	1,054	2,598	279	5,938	43,000
1892	1,427	3,288	347	7,587	46,000
1893	1,547	2,654	218	7,943	48,000
1894	1,098	2,869	246	8,007	50,000
1895	1,854	4,708	459	8,410	*52,200
1896	1,466	3,680	332	9,379	54,000
1897	1,626	3,815	486	8,925	56,000
1898	1,595	3,501	486	8,657	57,500
1899	1,892	3,340	374	8,838	60,000
1900	1,660	3,427	321	9,620	*61,643
1901	1,579	3,295	374	9,499	63,500
1902	1,645	3,242	360	10,100	65,000

* Census.

Miscellaneous Work.

A comparison of the indexes to the records of marriage intentions and marriages from the setting off of the town in 1842 to the time when the rule was established of making such comparison shortly after the issuing of the certificate of intentions, has developed the fact that a very large number of marriages have never been recorded. This was doubtless due to the failure of the clergymen and magistrates to return the marriage certificates, as they were not found in the files. We are making a systematic effort to secure the necessary information for supplying the omissions. In every case where one of the parties resided in another city or town, we are asking the clerk of that place for a copy of his record of the marriage, if he has one, to serve as the basis for a record here. The copies from the records of the city of Boston have already been made by one of the clerks in this office, and we will obtain the copies from Cambridge, and pos-

sibly from some of the other neighboring cities, in the same way. After exhausting every means of procuring the necessary data for these marriage records, an index to the intentions which remain without corresponding records of marriage is to be included with the card index to the records of births, marriages and deaths.

Marginal titles are being inserted in the records of the town and the selectmen, preparatory to the making of a more comprehensive index than we now have.

Those portions of the records of the town and the selectmen which relate to the civil war are being copied, with a view to their publication as a part of Somerville's record in connection with that period, and we have procured all the information in the adjutant-general's office that pertains to this record which has, as yet, been available.

The registrars of voters have this year changed the voting lists from the alphabetical to the street form, and a card index has been made of the names on the voting lists. A full description of the voter as given in the general register is being printed on each card, so that the index will, of itself, constitute a complete record.

GEORGE I. VINCENT,
City Clerk.

ORDINANCES.

March 14, 1903.

The following ordinances have been adopted since the printing of the Annual Reports for the year 1901.

GEORGE I. VINCENT,
City Clerk.

No. 42.

An Ordinance to Amend Chapter 17 of the Revised Ordinances of 1900, Entitled "Sewers in Certain Districts."

Be it ordained by the Board of Aldermen of the City of Somerville, as follows:—

Section 1. Section one of chapter seventeen of the Revised Ordinances of 1900 is hereby amended by adding thereto a paragraph to read as follows:—

The city engineer may, with the approval of the mayor, whenever in the judgment of the city engineer the exigencies of the case so require, give notice to the owner or agent of any premises situated in any part of the city so to change the drainage system thereof, within a reasonable time, specified in such notice, that no roof water, surface water or other drainage matter, except sewage, shall flow from said premises, directly or indirectly, into any public sewer which is used for conducting house drainage into the Metropolitan sewerage system; and such owner or agent shall, within the time specified in such notice, make such changes in said drainage system as may be necessary to comply with such notice. No person shall cause or allow such roof water, surface water, or other drainage matter, to enter, directly or indirectly, any public sewer, in violation of the foregoing provisions. The provisions of section two of said chapter seventeen shall apply to cases arising under said section one of chapter seventeen, as herein amended.

Section 2. This ordinance shall take effect upon its passage.
Approved March 14, 1902.

No. 43.

An Ordinance to Amend Section Seven of Chapter Twenty-two of the Revised Ordinances of 1900, Entitled "Electric Wires."

Be it ordained by the Board of Aldermen of the City of Somerville, as follows:—

Section 1. Section seven of chapter twenty-two of the Revised Ordinances of 1900 is hereby amended by adding thereto the following words: "or the ownership of the pole shall be otherwise designated thereon to the satisfaction of the Commissioner of Electric Lines and Lights."

Section 2. This ordinance shall take effect upon its passage.
Approved May 23, 1902.

JURY LIST OF THE CITY OF SOMERVILLE.

Prepared by the Registrars of Voters, under Chapter 176 of the Revised Laws, February 17, 1903.

Posted February 27, 1903, and accepted by the Board of Aldermen March 12, 1903.

A

Abbott, Alonzo F., 8 Concord avenue, Clerk.
Adams, Charles, 117 Highland avenue, No occupation.
Adams, Charles M., 22 Ayer avenue, Claim adjuster.
Adams, Frank H., 46 Summer street, Treasurer.
Adcock, John H., 205 Highland avenue, Plumber.
Albee, John G., 101 Flint street, Clerk.
Allen, George H., 29 Rogers avenue, No occupation.
Allen, Hiram, 230 Washington street, Musician.
Allison, James W., 95 Mt. Vernon street, Carpenter.
Andrews, James M., 172 Broadway, Builder.
Andrews, John, 34 Albion street, Agent.
Angier, Lucius B., 18 Temple street, Laborer.
Annis, Horace A., 19 Otis street, Mason.
Armstrong, Thomas W., 39 Partridge avenue, Sawyer.
Armstrong, William, 17 Dane street, Watchman.
Arnold, L. Frank, 28 Vinal avenue, No occupation.
Ashton, Franklin G., 17 Bonner avenue, Engineer.
Ashworth, Fred N., 104 Cross street, Draughtsman.
Attwood, J. Lorenzo, 18 Herbert street, Bookkeeper.
Atwater, George W., 1 Avon street, Foreman.
Atwell, Horace F., 7 Newbury street, Salesman.
Ayer, Fred C., 160 Highland avenue, Lumber dealer.
Ayer, John F., 17 Walter street, Lumber dealer.

B

Babb, Charles D., 37 Bradley street, Real estate agent.
Babb, Nathaniel F., 193 School street, Salesman.
Babbitt, Artemas B., 110 Perkins street, Machinist.
Bacon, Oliver, 19 Pembroke street, Clerk.
Bailey, John T., 16 Bradley street, Stationer.
Bailey, Walter C., 72 Mt. Vernon street, Engraver.
Baker, Elias L., 46 Mystic avenue, Real estate agent.
Baker, Nicholas, 9 Bedford street, Barrel dealer.
Baker, Roger H., 9 Bedford street, Cooper.
Baldwin, Henry W., 82 Mt. Vernon street, Clerk.
Ball, Charles C., 122 Holland street, Expressman.
Bancroft, Edward A., 31 School street, Barrel dealer.
Barker, Edgar C., 12 Ellsworth street, Clerk.
Barker, Thomas J., 15 Dimick street, Undertaker.
Barker, William H., 367 Summer street, Manufacturer.
Barnard, Thomas L., 11 Grant street, Fish dealer.
Barnes, Frank, 24 Milton street, Box manufacturer.
Bartlett, George E., 5 North Union street, Machinist.
Bassett, Albert H., 17 Everett street, Provision dealer.

Baxter, James B., 30 Boston street, Clerk.
Beal, Albert H., 96 Wallace street, Barber.
Beals, William H., 27 Howe street, Clerk.
Bean, Gerard D., 136 Lowell street, Bookkeeper.
Bean, John D., 3 Lincoln street, Teamster.
Beckley, Henry F., 221 Morrison avenue, Salesman.
Beckman, Frank W., 36 Stone avenue, Clerk.
Belding, Oscar H., 182 Highland avenue, Carpenter.
Belding, Rainsford W., 79 Benton road, Builder.
Bennett, Dana W., 41 Putnam street, Agent.
Bennett, Daniel J., 37 Stone avenue, Harness maker.
Bent, Charles E., rear 9 Marion street, Carpenter.
Bentley, George W., 19 Adams street, Com. merchant.
Berry, Andrew C., 6 Centre street, Engraver.
Berry, Arthur W., 53 Hudson street, Builder.
Berton, John F., 134 College avenue, Painter.
Bertwell, Henry P., 20 Cameron avenue, Clerk.
Bezanson, William H., 47 Laurel street, Marketman.
Billings, George A., 75 Willow avenue, Collector.
Binney, Henry M., 8 Parker place, Painter.
Binney, Martin, 9 Linden place, Agent.
Bishop, William F., 20 Wheeler street, Clerk.
Black, Peter F., 14 Atherton street, Agent.
Blake, Charles M., 13 Preston road, Newsdealer.
Blake, Frank R., 21 Derby street, Machinist.
Blanchard, Charles V., 99 Orchard street, Bookkeeper.
Boodry, George R., 26 Josephine avenue, Stereotyper.
Booker, James A., 193 Pearl street, Salesman.
Bootman, Edgar, 48 Irving street, Real estate agent.
Bossey, Charles W., 22 Ashland street, Salesman.
Bossey, Thomas F., 111 Elm street, No occupation.
Bosworth, William H., 10 Powder House ter., Adv. mgr.
Boutin, Abraham, 18 Park avenue, Nurse.
Bowen, Cornelius, 128 Linwood st., Safe & mach. mover.
Bowen, Lorenzo W., 16 Broadway, Decorator.
Bowers, Harrison G. O., 411 Highland av., No occupat'n.
Bowman, Henry F., 10 Winter-hill circle, Lithographer.
Boyden, William B., 34 Quincy street, Messenger.
Boyer, Charles W., 13 Highland avenue, Engineer.
Boyer, F. Howard, 13 Highland avenue, Engineer.
Boyer, George R., 29 Wigglesworth street, Builder.
Bradley, Daniel, 19 Concord avenue, Barrel dealer.
Bradley, Daniel A., 67 Beacon street, Piano finisher.
Bradshaw, Charles H., 7 Westwood rd., Real estate agt.
Bradshaw, J. Edwin, 16 St. James avenue, Clerk.
Brastow, George K., 162 Summer street, Clerk.
Bremner, John A., 49 Bow street, Picture frame mfr.
Brennan, Stephen, 70 Oxford street, Mason and builder.
Bridges, Corril E., 23 Tower street, Sales agent.
Briggs, Sylvester R., 19 Flint street, Broker.
Brigham, Charles A., 3 Dell street, Salesman.
Brine, Charles F., 36 Columbus avenue, Tailor.
Brooks, William Eugene, 114 Belmont street, Clerk.
Brothers, Frank H., 60 Putnam street, Jeweler.
Brown, Charles E., 36 Albion street, Carpenter.
Brown, Fred E., 311 Washington street, Clerk.
Brown, Fred R., 258 Broadway, Expressman.
Brown, John H., 311 Washington street, Painter.
Brown, Lyman H., 42 Columbus ave., Livery stable kpr.
Bryant, Thomas H., 6 Edmands street, Receiving clerk.

Buckley, Patrick W., 17 Garden court, Confect'y dealer.
 Buckley, William, 19 Virginia street, Veterinary surgeon.
 Bucknam, Davis P., 12 Vine street, Mason.
 Bucknam, William E., 341 Beacon street, Mason.
 Buell, Henry A., 150 Walnut street, Machinist.
 Buffum, Thomas J., 75 Florence street, Salesman.
 Bullard, Walter H., 22 Stickney avenue, Grocer.
 Bunten, Frederick R., 32 Cedar st., Feather duster mfr.
 Burbank, Francis H., 13 Broadway place, Bookkeeper.
 Burbank, Winfield S., 241 School street, Sawdust dealer.
 Burgess, Edward W., 59 Otis street, Pedler.
 Burgess, William H., 59 Glen street, Clerk.
 Burke, Walter W., 337 Washington street, Hatter.
 Burrows, George H., 25 North Union street, Machinist.
 Bursaw, William J., 41 Dartmouth street, Agent.
 Burton, Edward H., 123 Orchard st., Provision salesman.
 Butler, William, 106-A Albion street, Printer.
 Butters, Charles S., 19 Church street, Provision dealer.
 Butterworth, Robert, 172 Summer street, Manufacturer.
 Buttimer, Maurice, 351 Lowell street, Contractor.

C

Cameron, William G., 5 Lester terrace, Carpenter.
 Campbell, George S., Jr., 15 Windsor rd., Purchasing agt.
 Cann, Albert T., 38 Craigie street, Restaurant keeper.
 Card, Frederick L., 243 Pearl street, Provision dealer.
 Carnes, Henry, 11 Westwood road, No occupation.
 Carpenter, Albert Q., 7 Sargent avenue, Tinsmith.
 Carpenter, Reuben, 10 Fountain avenue, Engraver.
 Carr, Eugene P., 18 Benton road, Jewelry mfr.
 Carr, Roy W., 130 College avenue, Manufacturer.
 Carr, William R., 62 Chandler street, Real estate agent.
 Carruth, Frederick J., 34 Willow avenue, Manager.
 Carter, Lorenzo D., 13 Bartlett street, Clerk.
 Cate, Nathan E., 28 Everett avenue, Treasurer.
 Chaffee, Emory F., 109 Pearl street, Apothecary.
 Chapin, Hiram O., 44 Dover st., Commission merchant.
 Chase, Charles C., 17 Park avenue, Printer.
 Chase, Charles D., 18 Ivaloo street, Engineer.
 Chase, Washington I., 85 Vine street, Distiller.
 Cheney, Herbert E., 119 College avenue, Produce dealer.
 Chickering, William H., 15 Evergreen avenue, Clerk.
 Childs, Henry W., 23 Aldrich street, Agent.
 Chisholm, Charles W., 22 Dover street, Superintendent.
 Clark, George W., 65 Central street, Cruller Mfr.
 Clark, Herbert L., 124 Sycamore street, Builder.
 Clark, Isaac H., 49 Brastow avenue, Mechanical engineer.
 Clarke, Charles E., 31 Berkeley street, Clerk.
 Clarke, George B., 31 Berkeley street, Electrotyper.
 Clarke, Richard T., 52 Burnside avenue, Accountant.
 Clarke, Wilbur S., 40 Vinal avenue, Real estate agent.
 Clement, Herman J., 35 Marshall street, Printer.
 Coan, Francis E., 156 Pearl street, Stair builder.
 Coan, Thomas S., 18 Fremont street, Bookkeeper.
 Coffin, Clarence D., 67 Hall avenue, Builder.
 Cole, Abram L., 42 Everett avenue, Provision dealer.
 Cole, Daniel H., 22 Edmands street, Clerk.
 Coles, John B., 127 Cross street, Milkman.
 Collieson, Clarence E., 19 Park avenue, Leather dealer.

Collins, John D., 22 Vine street, Mason.
 Collins, J. Lincoln, 32 Stone avenue, Iron worker.
 Colman, Charles W., 151 Central street, Architect.
 Comfort, James J., 5 Taunton street, Conductor.
 Conant, George H., 8 Park avenue, No occupation.
 Conant, William C., 28 Central street, Mirror mfr.
 Condit, Fred H., 255 Medford street, Musician.
 Condit, Sears, 255 Medford street, Hatter.
 Cook, Forrest D., 301 Highland avenue, Reporter.
 Cook, John D., 33 Burnside avenue, Carpenter.
 Cook, Levi F., 78 Summer street, Salesman.
 Copithorne, John, 81 School street, Carpenter.
 Corbett, John P., 36 Rossmore street, Polisher.
 Corliss, Charles H., 36 Greenville street, Clerk.
 Coyle, George R., 16 Maple avenue, Salesman.
 Craig, John W., 97 Washington street, Blacksmith.
 Crawford, J. Arthur, 19 Eastman place, Carpenter.
 Creighton, Frederick W., 25 Cottage ave., Bookkeeper.
 Creighton, George C., 30 Cutter avenue, Type founder.
 Crenner, Bartlett P., 61 Adams street, Leather dealer.
 Crimmings, Timothy F., 30 Vinal ave., Teamster & contr.
 Crosby, Clifford F., 348 Summer st., Ventilating engin'r.
 Cross, John A., 104 Pearl street, Bookkeeper.
 Crotty, William B., 466 Somerville avenue, Jeweler.
 Crowell, Louis F., 85 Benton road, Clerk.
 Cullin, Edwin, 222 Broadway, Wholesale provision dealer.
 Cummings, George W., 47 Wallace street, Driver.
 Cummings, John H., 72½ Oxford street, Janitor.
 Cunningham, Thomas A., 60 Beacon street, Grocer.
 Cunningham, William J., 447-A Somerville ave., Laborer.
 Curran, Reuben L., 29 Dana st., Foreman cabinetmaker.
 Currier, Francis E., 15 Flint street, Mason.
 Currier, James H., 9 Mossland street, Manager.
 Currier, Samuel E., 9 Howe st., Real estate and ins. agt.
 Cutler, Frank E., 70 Pearl street, Painter.
 Cutter, George, 379 Summer street, No occupation.
 Cutter, George B., 4 Pleasant avenue, Musician.

D

Dadmun, Henry H., 48 Oxford street, Salesman.
 Dadmun, N. Frank, 53 Willow avenue, Photographer.
 Daggett, William H., 133 Summer street, Clerk.
 Dainty, Henry, 216 School street, Salesman.
 Dalton, James H., 22 Powder House terrace, Grocer.
 Danforth, George E., 110 Belmont street, Clerk.
 Daniels, Clarence A., 88 Munroe street, Clerk.
 Daniels, Edward S., 50 Spring street, Piano tuner.
 Daniels, Harry F., 21 Munroe street, Clerk.
 Davenport, Foster L., 301 Summer street, Shipper.
 David, James B., 78 Belmont street, No occupation.
 Davis, Albert I., 35 Fairmount avenue, Bookkeeper.
 Davis, Albert M., 16 Chauncey avenue, Teamster.
 Davis, Claude E., 280 Broadway, Ice cream mir.
 Davis, Fred E., 85 Pearl street, Real estate dealer.
 Davis, George E., 48 Vinal avenue, Clerk.
 Davis, George M., 20 Arthur street, Mason and builder.
 Davlin, James F., 15 Kingman court, Plumber.
 Dawes, Henry L., 8 Ashland street, Confectioner.
 Dawson, Howard, 70 Albion street, Clerk.

Dearborn, Luther G., 11 Forster street, Coffee roaster.
 Delay, James, 48 Beacon street, Florist.
 Dennett, Alexander H., 54 Concord avenue, Paperhanger.
 Dennett, John M., 23 William street, Stable keeper.
 Densmore, Charles D., 44 Porter street, Merchant.
 Densmore, Edward D., 44 Porter street, Electrician.
 Denvir, William E., 197 Summer street, Shipper.
 Desmond, Daniel W., 1 Montrose st., Real estate agent.
 Dewire, Michael H., 399 Washington st., Confectioner.
 Dickinson, Luther C., 62 College avenue, Salesman.
 Dimick, Charles W., 122 Line street, Manager.
 Dinsmore, Fred C., 8 Melvin street, Grain dealer.
 Doane, Nathaniel P., 19 Grand View ave., Tow boat agt.
 Dodd, George H., 54 Marshall street, Mechanic.
 Dodge, Alvin H., 21 Benedict street, Artist.
 Dodge Edwin G., 21 Benedict street, Artist.
 Doe, Freeland A., 178 Highland avenue, Cabinetmaker.
 Dole, William T., 55 Gilman street, Spice manufacturer.
 Dow, Arthur F., 20 Avon street, Broker.
 Dowd, Thomas, 50 Chauncey avenue, Plasterer.
 Downing, John F., 14 Park street, Carpenter.
 Downing, John L., 30 Burnside avenue, Shipper.
 Drake, James, 45 Berkeley street, Carpenter.
 Dresser, George H., 193 School street, Superintendent.
 Drinkwater, Frank M., 872 Broadway, Clerk.
 Driscoll, James F., 17 Cambria street, Machinist.
 Drouet, William C., 78 Highland avenue, Reporter.
 Dudley, Clifford G., 10 Tower street, No occupation.
 Dunbar, John D., 32 Austin street, Musician.
 Duncan, John, 2 Brastow avenue, Manufacturer.
 Dunham, George J., 54 Adams street, Carriage salesman.
 Dunham, Marshall W., 10 Stickney ave., Carriage sales'n.
 Dunklee, Daniel D., 9 Oakland avenue, Furnace dealer.
 Dunlap, W. Emerson, 97 Gilman street, Casket trimmer.
 Dusseault, George A., 906 Broadway, Manager.
 Dustin, Harry N., 10 Church street, Clerk.
 Dwyer, Timothy C., 318 Somerville avenue, Clerk.
 Dyer, Henry H., 32 Elm street, Cigar dealer.
 Dyer, Josiah T., 156 School street, Men's furnishings dlr.

E

Eames, Byron, 143 Sycamore street, Ice dealer.
 Eames, Henry H., 13 Chapel street, Machinist.
 Eaton, John M., 58 Springfield street, No occupation.
 Eccles, William, 12 Lee street, Upholsterer.
 Edmands, John B., rear 19 Albion st., Stoneware mfr.
 Edwards, Edward H., 10 James street, Chiropodist.
 Egerton, Charles S., 63 Boston street, Cigar dealer.
 Ela, William E., 15 Wheatland street, Printer.
 Eldridge, Frank, 47 Beach street, Salesman.
 Eldridge, Howard M., 16 Gilman street, Clerk.
 Eldridge, Joshua H., 255 Broadway, Foreman.
 Elkins, Charles V., 52 Porter street, Painter.
 Elkins, John F., 142 Medford street, Contractor.
 Elliot, Charles J., 59 Oxford street, Engineer.
 Elliott, George E., 103 Jenny Lind avenue, Grocer.
 Ellis, William F., 36 Adams street, Engineer.
 Elston, Abraham A., 25 Preston road, Contractor.
 Emerson, William J., 104 Broadway, Boot & shoe dealer.

Emery, Allen A., 51 Oliver street, Butter salesman.
 Enslin, Theodore V., 156 Sycamore street, Clerk.
 Esty, Austin S., 203 School street, Clerk.
 Evans, Francis W., 34 Preston road, Teamster.
 Evans, Henry, 13 Linden street, Teamster.
 Everton, Elphonso I., 34 Lake street, Cigarmaker.

F

Fall, Daniel R., 20 Pinckney street, Woodworker.
 Falvey, John J., 15 Rush street, Civil engineer.
 Farnham, Charles E., 16 Grand View avenue, Clerk.
 Farnham, Rufus H., 33 Farragut avenue, Motorman.
 Farrell, Patrick S., 55 Lowell street, Polisher.
 Farwell, Ruleffe H., 92 Central street, Produce dealer.
 Fellows, John H., 12 Elston street, Accountant.
 Fenelon, J. Robert, 13 Walnut street, Real estate agent.
 Ferguson, Charles H., 25 Hudson street, Foreman.
 Fernald, George M. D., 205 Broadway, Electrician.
 Ferris, Robert J., 17 Park street, Horse dealer.
 Field, Lorenzo A., 13 Evergreen avenue, No occupation.
 Firth, Robert, 15 Hall avenue, Carpenter.
 Fish, Benjamin F., Jr., 24 Boston street, Painter.
 Fisher, Alphonso, 152 Pearl street, Painter.
 Fisher, Arthur V., 62 Evergreen avenue, Agent.
 Fisher, Henry H., 216 Highland avenue, Salesman.
 Fisk, Ellsworth, 44 Heath street, Clerk.
 Fitch, Nathan A., 40 Franklin street, Poultry dealer.
 Fitz, Charles E., 440 Broadway, Bookkeeper.
 Fitz, Daniel F., Jr., 24 Cedar street, Clerk.
 Fitz, George H., 45 Franklin street, Grain dealer.
 Flagg, Charles A., 24 Gibbens street, Salesman.
 Flaherty, James P., 12 Charles street, Junk dealer.
 Flitner, George J., 1 Clifton street, Wool grader.
 Flood, Francis H., 189 Tremont street, Hardware dealer.
 Flynn, William H., 67 Dane st., Real estate and insur. agt.
 Foote, Edward H., 138 Sycamore st., Pickle m'r.
 Forbes, Fred B., 92 Orchard street, Chemist.
 Forg, Peter, 52 Park street, Manufacturer.
 Foss, Mayhew C., 9 Greene street, Broker.
 Foster, Elmer E., 18½ Franklin street, Fireman.
 Foster, George W., 7 Evergreen avenue, Insurance agt.
 Foster, Henry, 84 Oxford street, Bookbinder.
 Fox, Edward W., 123 College avenue, Jeweler.
 Fox, John, 283 Somerville avenue, Laborer.
 Foy, John H., 350 Somerville avenue, Glass worker.
 Frazar, Amherst D., 35 Laurel street, Clerk.
 Friend, Edward, 5 Cameron avenue, Painter.
 Frink, William A., 88 Holland street, Undertaker.
 Frost, George W., 38 Laurel street, Clerk.
 Frye, Charles H., 43 Sargent avenue, Machinist.
 Fudge, Edward J., 334 Somerville avenue, Undertaker.
 Fulton, David, 4 Spring court, Calendrer.

G

Gage, Burt O., 38 Dartmouth street, Machinist.
 Gale, Charles, 10 Brastow avenue, Cabinetmaker.
 Gallagher, Francis W., 273 Washington street, R. E. agt.
 Galloupe, Howard L., 55 Prescott street, Oil salesman.
 Garland, John A., 76 Porter street, Advertising agent.

Garrett, Edwin E., 52 Mt. Vernon street, Clerk.
 Garrity, Martin, Jr., 416 Norfolk street, Plumber.
 Gary, Joseph E., 86 Irving street, Broker.
 Gerrish, Charles E., 70 Boston street, Fruit dealer.
 Gerrish, Theodore, 7 Greene street, Real estate agent.
 Gifford, Herbert C., 54 Preston road, Iron salesman.
 Gilbert, Fred W., 101 School street, Shoe dealer.
 Giles, Joseph J., 34 Putnam street, Real estate agent.
 Gill, Martin, 72 Bonair street, Teamster.
 Gillette, Hiram A., 72 College avenue, Manufacturer.
 Gillette, Louis F., 91 College avenue, Artist.
 Gilley, Rodney O., 11 Walter street, Steward.
 Gillis, Daniel B., 38 Benton road, Builder.
 Gilman, John W., 85 College avenue, Salesman.
 Glazier, Elmer L., 64 Wallace street Cabinetmaker.
 Glines, Arthur W., 777 Broadway, Clerk.
 Goddard, Edward A., Jr., 35 Electric avenue, Clerk.
 Godey, Frederick C., 11-A Eliot street, Roofer.
 Godfrey, Alexander M., 52 Berkeley street, Carpenter.
 Godfrey, Benjamin F., 20 Avon street, Cooper.
 Going, Myron F., 23 Melvin street, Provision dealer.
 Goldthwaite, Jerome I., 82 Mt. Vernon street, Clerk.
 Goodspeed, William H., 37 Rush street, Cafe proprietor.
 Gordon, Arthur C., 36 Bow street, Painter.
 Gordon, Harris F., 7 Dell street, Foreman.
 Gordon, Huntlie, 54 Belmont street, Insurance agent.
 Graham, Alford M., 25 Kidder avenue, Clerk.
 Graham, Robert C., 29 Greene street, Potato dealer.
 Grant, Walter D., 35 Florence street, Clerk.
 Graves, David B., 17 Rogers avenue, Floor walker.
 Gray, Amasa, 71 Wallace street, Carpenter.
 Gray, Frank E., 36 Newbury street, Salesman.
 Gray, James T., 64 Grove street, Insurance agent.
 Gray, Levi E., 4 Wellington avenue, Carpenter.
 Green, Oscar F., 103 Summer street, Stair builder.
 Greene, George F., 28 Lamson court, Machinist.
 Greenough, John L., 19 Vernon street, Cabinetmaker.
 Griffin, Augustus P., 22 Richdale avenue, Salesman.
 Griffin, Daniel J., 5 Summer street, Traveling salesman.
 Griffin, Edward B., 32 Rush street, Clerk.
 Griffin, Frederick H., 8 Spring Hill terrace, Broker.
 Grover, George A., 10 Belmont place, Special officer.
 Grover, Horace N., 26 Oxford street, Fruit dealer.
 Grover, Nelson H., 98 Oxford street, Clerk.
 Guild, Edgar A., 28 Webster avenue, Clerk.
 Guild, Julius J., 325 Washington street, Provision dealer.
 Guild, Oliver A., 36 Lake street, Provision dealer.
 Gurnham, Thomas, 36 Hancock street, Newsdealer.

H

Hadley, Freddell O., 30 Conwell avenue, Electrician.
 Hadley, Walter M., 24 Hathorn street, Coal dealer.
 Hagen, Edward A., 6 Prospect place, Glass maker.
 Hale, C. Warner, 144 Highland avenue, Tailor.
 Haley, Austin, 123 Walnut street, Commission merchant.
 Haley, Fred, 17 Grand View avenue, Insurance agent.
 Hall, George G., 89 Cross street, Printer.
 Hall, Horace E., 25 Highland avenue, Horse dealer.
 Hall, William Franklin, 103 Thurston street, Accountant.

Hallett, Warren, 155 Walnut street, Carpenter.
Hamblin, Franklin J., 30 Walnut street, Manager.
Hancock, Robert A., 163 Elm street, Hatter.
Harrington, George O., 7 Bolton street, Clerk.
Harrington, Nathan B., 7 Bolton street, Clerk.
Harrington, Walter S., 7 Bolton street, Clerk.
Harts, Charles, 12 Maple avenue, Harness maker.
Hartshorn, Frank S., 96 Glen street, Clerk.
Hartwell, Hayward, 77 Munroe street, Carpenter.
Hartwell, Walter C., 15 Kenwood street, Bookkeeper.
Harvey, George W., 8 Chester avenue, Salesman.
Haskell, Otis S. M., 279 Summer street, Confectioner.
Hatch, Arthur E., 46 Browning road, Manager.
Hatch, Frederick A., 77 Jaques street, Teamster.
Hathaway, Henry C., 12 Pembroke street, Painter.
Haven, George D., 181 Washington street, No occupation.
Haven, Harry M., 3 Boston street, Clerk.
Hayes, William T., 252 Medford street, Clerk.
Hayward, Harry B., 37 Windsor road, Electrician.
Hayward, John G., 5 Windom street, Clerk.
Hepburn, James, 226 Somerville avenue, Grocer.
Hicks, Carlton, 8 Charnwood road, Railroad agent.
Higgins, John, 38 Linwood street, Dry goods dealer.
Higgins, Byron E., 20 Richdale avenue, Mason.
Higgins, Jeremiah T., 60 Chauncey avenue, Shipper.
Higgins, Solomon S., 158 Summer street, R. E. agent.
Hill, Arthur C., 21 Benedict street, Waste dealer.
Hilliard, Benjamin, 17½ Marshall street, Miller.
Hinckley, James G., 254 School street, Butter dealer.
Hinckley, William V. T., 10 Monmouth st., Insur. agt.
Hines, Alfred H., 9 Preston road, Mason.
Hodge, Charles W., 26 Billingham street, Bookkeeper.
Hodson, Albert O., 28 Pinckney street, Driver.
Hoit, Alonzo W., 275 Highland avenue, Produce dealer.
Hoit, Edward P., 275 Highland ave., Produce dealer.
Holden, George W., 97 Curtis street, Farmer.
Holland, Charles J., 30 Aldrich street, Printer.
Holland, William L., 30 Aldrich street, Printer.
Hollis, William H., 30 Avon street, Decorator.
Holmes, Charles A., 265 Beacon street, Stove dealer.
Holmes, Frank H., 29-A Veazie street, Plumber.
Holmes, Samuel, 6 Essex street, Salesman.
Holt, Edward M., 32 Springfield street, Machinist.
Holt, Harry, 108 Porter street, Carpenter.
Holt, Samuel W., 197 Washington street, No occupation.
Hopkins, Charles W., 23 Boston street, Engraver.
Hopkins, J. Wesley, 27 Summit avenue, Musician.
Horton, Charles H., 101 School street, Clerk.
Horton, Charles P., 22 Everett avenue, Inspector.
Horton, David P., 36 Everett avenue, Trunk maker.
Horton, William A., 34 Winslow avenue, Artist.
Hosmer, Cyrus, 297 Summer street, Clerk.
Houdlett, Harry W., 9 Webster street, Salesman.
Houdlett, Horace A., 9 Webster street, Salesman.
Howard, Chester M., 228 Pearl street, Clerk.
Howard, Eugene P., 108 Liberty avenue, Machinist.
Howard, J. Walter, 330 Broadway, Florist.
Howe, Frederick F., 40 Kidder avenue, Shipper.
Hulsmann, Chester R., 44 Greenville street, Collector.
Humphrey, Edward G., 166 Highland avenue, Clerk.

Hunnewell, William A., 23 Milton street, Coal dealer.
 Hunt, Cassius, 218 School street, Fish dealer.
 Hunt, Charles E., 28 Brook street, Grocery clerk.
 Hunt, John T., 28 Brook street, Grocery clerk.
 Hunt, Warren F., 236 Highland avenue, Clerk.
 Hunter, William H., 11 Sycamore street, Glass engraver.
 Hutchinson, Llewellyn W., 95 Jenny Lind ave., Carpenter.

I

Ingalls, Oliver W., 11 Sycamore street, No occupation.
 Irish, Thaddeus P., 3 Dartmouth street, Bookkeeper.

J

Jack, David, 112 Perkins street, Moulder.
 Jackson, George W., 8 Hall street, Brush maker.
 Jameson, Robert, 22 Bowdoin street, Billiard room kpr.
 Jansson, Augustus L., 102 Wallace st., Trav. salesman.
 Jaques, Otis A., 66 Boston street, Fruit dealer.
 Jenney, William, 244 Highland avenue, No occupation.
 Jerauld, Horace D., 14 Chester avenue, No occupation.
 Jones, Benjamin F., 51 Cherry street, Artist.
 Jones, Henry M., 9 Chandler street, Carpenter.
 Jones, Thomas F., 34 Line street, Conductor.
 Jones, Walter C., 51 Cherry street, Artist.
 Jouett, Edward M., 37 Chester street, Clerk.
 Joy, Alden B., 7 Craigie terrace, Carpenter.
 Julian, William L., 194 Morrison avenue, Publisher.

K

Kaula, Charles H., 81 Marshall street, Salesman.
 Keane, John A., 109 School street, Piano tuner.
 Keane, Thomas J., 1236 Broadway, Blacksmith.
 Kearney, Edward S., 206 Somerville avenue, Clerk.
 Keefe, William M., 745 Somerville avenue, Milk dealer.
 Keegan, Dominick F., 31 Belmont street, Printer.
 Kelley, Edward N., 17 Merriam street, Lather.
 Kelley, John, 102 Highland avenue, Mason.
 Kelley, John J., 6 London street, Pedler.
 Kelley, Timothy J., 17 Merriam street, Clerk.
 Kelley, William, 15 Leland street, Janitor.
 Kellsey, James C., 96 Holland street, Bicycle dealer.
 Kelly, Michael H., 12 Parker street, Carpenter.
 Kendall, Charles E., 19 Sewall street, Steward.
 Kendall, Franklin C., 55 Oxford street, Clerk.
 Kendall, Henry A., 55 Oxford street, Clerk.
 Kendall, Isaac B., 338 Broadway, Insurance agent.
 Kendall, Jonas B., Jr., 41 Russell street, Milk dealer.
 Kendall, Philip S., 41 Russell street, Milk dealer.
 Kennedy, John F., 19 Kent court, Conductor.
 Kenneson, Charles A., 176 Walnut street, No occupation.
 Kenney, James, 4 Concord avenue, Carpenter.
 Kenny, Miah G., 51 Munroe street, Agent.
 Kerrigan, James, Jr., 351 Washington street, Teamster.
 Kidder, Herbert A., 58 Walnut street, Cashier.
 Kiley, Patrick J., 36 Prospect street, Wheelwright.
 Kimball, Charles L., 19-A Cross street, Wood turner.
 Kimball, Frank C., 25 Madison street, Sausage dealer.

Kimball, Harvey B., 13 Herbert street, Carpenter.
 Kinsman, Joseph H., 20 Jaques street, Clerk.
 Kirk, Patrick, 31 Belmont street, Harness maker.
 Knapp, Edgar L., 141 Walnut street, No occupation.
 Knapp, Samuel, 3 Lester terrace, Salesman.
 Kneeland, Sylvanus R., 7 Loring street, No occupation.
 Kneeland, William B., 16 Greene street, Solicitor.
 Knowles, Benjamin H., 15 Parker street, Hatter.
 Knowles, Eugene W., 103 College avenue, R. E. agent.
 Knowles, Thomas, 27 Tyler street, Foreman.
 Knowles, Zoeth R., 119 Walnut street, Shipper.
 Knowlton, Edward B., 40 Ayer avenue, Pattern maker.
 Koen, Philip, 19 Adrian street, Milkman.

L

Lacount, Eugene D., 34 Day street, Bedding mfr.
 Lacy, Patrick, 63 Cherry street, Mason.
 Lambert, Frank S., 10 Cross street, Painter.
 Land, Lawrence P., 60 Marshall street, Carpenter.
 Landers, Arthur C., 225 Summer street, Bookkeeper.
 Lane, Eugene H., 58 Berkeley street, Butter dealer.
 Laughton, William, 42 Banks street, Bookbinder.
 Lawrence, Bernard W., 289 Highland ave., Produce dlr.
 Lawson, George W., 2 Lawson terrace, Carpenter.
 Lawson, Peter P., 101 Summer street, Machinist.
 Learned, James M., 156 School street, No occupation.
 Leavitt, Edwin, 13 Pinckney street, Insurance agent.
 Leavitt, Frank W., 468 Somerville avenue, Carriage mfr.
 LeCount, Frederick R., 7 Dartmouth street, Salesman.
 Leonard, Eugene C., 86 Avon street, Ladies' tailor.
 Libbey, Albion H., 8 Ames street, Salesman.
 Libbey, George W., 215 Pearl street, No occupation.
 Libbey, Moulton C., 7 Jay street, Jeweler.
 Libby, George H., 10 Ashland street, Upholsterer.
 Libby, Stillman H., 45 Elm street, Real estate agent.
 Lind, John, 38 Clark street, Marble worker.
 Lindbladh, Gustave, 39 Crocker street, Paper ruler.
 Litchfield, J. Warren, 181 Broadway, Milk dealer.
 Little, John K., 93 Hudson street, Bookkeeper.
 Littlefield, Elisha, 65 Glen street, Carpenter.
 Littlefield, Samuel T., 321 Broadway, No occupation.
 Locke, Theodore H., 53 Central street, Clerk.
 Locke, Warren E., 94 College avenue, Real estate agent.
 Lombard, Henry F., 114 Pearl street, Clothing dealer.
 Lombard, Richard J., 16 Evergreen avenue, Teamster.
 Lord, Benjamin F., 4 Pearl street, Provision dealer.
 Lorentzen, Henry, 86 Oxford street, Lock expert.
 Loud, Clarence W., 48 Hudson street, Salesman.
 Lounsbury, George H., 46 Houghton street, Bookkeeper.
 Loveland, Charles M. N., 898 Broadway, Stenographer.
 Lovering, Edward P., 7 Shawmut street, Mason.
 Lovering, Everett L., 21 Bradley street, Music teacher.
 Lovering, George H., 18 Chauncey avenue, Grocer.
 Lovering, Hiram A., 168 Broadway, Merchant.
 Lovering, John S., 27 Flint street, Teamster.
 Lowell, Frank M., 42 Aldrich street, Grocer.
 Lowell, George E., 46 Gilman st., Livery stable keeper.
 Lund, John C., 13 Cutter street, Porter.
 Lund, John Q., 13 Cutter street, Printer.

Lunt, Fred E., 24 Hall avenue, Clerk.

Lyman, Albert C., 10 Emerson street, Upholsterer.

Lynam, Charles P., 98 Elm street, Weaver.

Lyons, Timothy, J., 14 Chestnut street, Pedler.

M

Macdonald, John W., 23 Elm place, Clerk.

Maddison, Arthur N., 17 Windsor road, Secretary.

Makechnie, Ernst H., 238 Elm street, Teacher of violin.

Mann, Alfred E., 75 Washington street, Undertaker.

Manning, John F., 152 Medford street, Teamster.

Manning, John J., 11 Pitman street, Barber.

Manning, Leighton W., 20 Berkeley street, Pedler.

Marr, George S., 37 Dover street, Carpenter.

Marsh, G. Roscoe, 91 Perkins street, Undertaker.

Marshall, Frank H., 46 Chester street, Hay & grain dlr.

Marshall, John A., 153-A Willow avenue, Salesman.

Martin, John P., 56-S Walnut street, Clerk.

Martin, John W., 16 Montgomery avenue, Foreman.

Martin, Lewis R., 40 Grant street, Teamster.

Mason, Joseph B., 13 Alston street, Nurse.

Mason, Seth, 13 Alston street, Collector.

Matthews, George F., 30 Dartmouth street, Carpenter.

Maynard, Everett A., 22 Forster street, Baker.

Maynard, Fred L., 30 Ames street, Provision dealer.

Maynard, Lambert M., 90 Highland ave., No occupation.

McAllister, William H., 23 Wallace street, Brush maker.

McAskill, Scyrene B., 14 Bow street, Candy dealer.

McAvoy, Henry, 117 Somerville avenue, Stable keeper.

McCarty, James F., 24 Preston road, Charcoal dealer.

McCarty, John, 27 Shawmut street, Charcoal dealer.

McCarty, William J., 154 Walnut street, Contractor.

McConnell, William N., 19-R Church street, Clerk.

McCrillis, Melvin C., 23 Dartmouth street, Beef dealer.

McDonald, William M., 56 Cedar street, Beef dealer.

McGann, Thomas F., 45 Putnam street, Brass worker.

McKenna, David W., 7 Chestnut street, Pedler.

McKenna, George F., 292 Lowell street, Undertaker.

McLaughlin, Amos B., 27 Summit avenue, Trader.

McLean, C. Garfield, 78 Oxford street, Clerk.

McLean, William J., 78 Oxford street, Carpenter.

McManus, Patrick, 91 Prospect street, Motorman.

McMaster, Edward A., 12 Park street, R. E. agent.

McMaster, George R., 12 Park street, Woodworker.

Medina, John, 1167 Broadway, Merchant.

Mentzer, Charles A., 47 Cherry street, Clerk.

Merrifield, Fred H., 478-R Somerville ave., Salesman.

Merrifield, Otis E., Jr., 246 Summer street, Bookkeeper.

Merrill, Carl E., 108 School street, Musician.

Merrill, David M., 256 Broadway, Collector.

Merrill, Ezra T., 90 Curtis street, Contractor.

Merrill, Warren A., 14 Westminster street, Salesman.

Merritt, Joseph W., 12 Mt. Vernon street, Collector.

Merritt, William, 103 Pearl street, Superintendent.

Messer, Melvin J., 27 Franklin street, Bookkeeper.

Middlemas, Henry H., 412 Highland avenue, Driver.

Miller, John F., 13 Flint street, Operator.

Miller, William S., 255 Medford street, Bookkeeper.

Miner, Robert A., 56 Chester street, No occupation.

Mink, Frank L., Jr., 85 Elm street, No occupation.

Mink, Louis, 85 Elm street, No occupation.
 Molineaux, Michael R., 41 Thorndike st., No occupation.
 Mongan, Manasses P., 1 Garden court, Salesman.
 Monroe, Daniel N., 47-A Franklin street, Teamster.
 Moore, Frank M., 35 Boston street, Electrician.
 Moran, Frank E., 48 Berkeley street, Clerk.
 Moran, Henry W., 189 Pearl street, Moulder.
 Morang, Arthur C., 162 Lowell street, Salesman.
 Morrill, Frank A., 5 Bradley street, Photographer.
 Morrill, Fred L., 18 Arlington street, Cafe proprietor.
 Morrill, Harry V., 25 Sargent avenue, Insurance agent.
 Morrison, Frank E., 23 Brook street, Provision dealer.
 Muldoon, Thomas F., 5 Vinal avenue, Iron worker.
 Mullen, William F., 43 Thurston street, Merchant.
 Mulliken, John E. A., 39 Dartmouth street, Clerk.
 Mulqueeney, Lot J., 420 Norfolk street, Laborer.
 Murdock, George F., 160 Pearl street, Meat cutter.
 Murphy, John F., 65 Waterhouse street, Fireman.
 Murphy, Stephen F., 102 College avenue, Buyer.

N

Nason, Charles C., 21 Wigglesworth street, Carpenter.
 Naughton, Michael, 32 Dane avenue, Laborer.
 Nelson, Jesse L., 50 Richdale avenue, Carriage maker.
 Nelson, Willard C., 2 Hillside avenue, Artist.
 Nickerson, Alfred P., 41-D Franklin street, Clerk.
 Nickerson, John F., 25 Flint street, Grocer.
 Nickerson, Waldo, 5 Wellington avenue, Clerk.
 Niles, James H., 4 Fairlee street, Provision dealer.
 Nolan, John A., 26 Prescott street, Glass blower.
 Northrop, Herbert N., 145 College avenue, Clerk.
 Norwood, Winfield S., 942 Broadway, Trimmer.
 Noyce, Benjamin C., 42 Oliver street, Carpenter.
 Nutting, Henry J., 57 Winslow avenue, Salesman.
 Nye, Almon P., 157 Elm street, Confectioner.
 Nye, Thomas V. B., 51 Cedar street, Salesman.

O

O'Connell, Michael, 35 Linwood street, Pedler.
 Odiorne, William E., 15 Greenville street, Clerk.
 O'Leary, David T., 277 Washington street, Laborer.
 O'Neil, Bernard, 373 Washington street, Pedler.
 Onthank, Charles H., 47 Munroe street, Provision dlr.
 Osborn, Edgar W., 86 Porter street, Furniture dealer.
 Owen, John W., 20 Melvin street, Surveyor.

P

Page, B. Frank, 7 Leslie place, Ticket agent.
 Page, Daniel W., 21-R Webster avenue, No occupation.
 Page, George Amos, 21-R Webster avenue, Plumber.
 Paige, Harry S., 30 Meacham road, Clerk.
 Park, Arthur N., 20 Arlington st., Restaurant keeper.
 Parker, George T., 12 Evergreen avenue, Carpenter.
 Parker, Leander W., 263 Willow avenue, Carriage bldr.
 Parker, William H., 23 Hall avenue, Salesman.
 Parsons, Charles F., 16 Park street, Clerk.
 Patch, Amos G., 35 Irving street, Merchant.

Patterson, George H., 7 Bowdoin street, Cashier.
 Patterson, William S., 17 Everett street, Carriage maker.
 Pauly, Rudolph P., 21 Hall street, Upholsterer.
 Pease, Charles H., 189 Summer street, Mechanical eng.
 Pecheur, Augustus F., 7 Merriam street, Glass maker.
 Peck, Henry A., 41 Boston street, Printer.
 Peckham, George W., 99 Belmont street, R. E. agent.
 Peirce, Cyrus H., 75 Marshall street, No occupation.
 Pennock, Samuel M., 47 Sargent avenue, Clerk.
 Perham, Edwin R., 22 Marshall street, Expressman.
 Perkins, Francis C., 81 Pearl street, Salesman.
 Perkins, G. Henry, 16 Arthur street, Insurance agent.
 Perkins, Harlan R., 98 Flint street, Mason.
 Perry, Oliver H., 103 College avenue, Real estate agent.
 Perry, William E., 69 Marshall street, Clerk.
 Phelps, Myron W., 23 Willow avenue, Manufacturer.
 Philbrick, Charles S., 174 Morrison ave., No occupation.
 Phillips, Bernard C., 8 Charlestown street, Glass cutter.
 Phillips, George B., 8 Charlestown street, Store keeper.
 Pickthall, Richard E., 182 Central street, Clerk.
 Pigon, Joseph H., 36 Wallace street, Clerk.
 Pillsbury, Edwin B., 1156 Broadway, Publisher.
 Pitman, John W., 6 Walter place, Printer.
 Plaisted, William D., 17 Franklin street, Clerk.
 Plympton, Dorr E., 19 Warren avenue, Inspector.
 Pond, George W., 91 Bay State avenue, Salesman.
 Pope, Frank J., 34 Ames street, Merchant.
 Pope, Tracy C., 168 Summer street, Clerk.
 Porter, Charles H., 34 Franklin street, Real estate agt.
 Porter, Isaac H., 97 College avenue, Leather dealer.
 Porter, John E., 50 Flint street, Draughtsman.
 Pote, Othniel M., 23 Howe street, Foreman.
 Potter, George B., 14 Crocker street, Produce dealer.
 Potter, Henry K., 5 Arthur street, Manufacturer.
 Pratt, Charles H., 20 George street, Civil engineer.
 Preble, Frederick A., 55 Tennyson street, Clerk.
 Prescott, Albion M., 73 Berkeley street, Teamster.
 Prichard, Charles E., 145 Walnut street, Salesman.
 Prichard, George W., 1 Bean court, Teamster.
 Prime, George W., 78 Partridge avenue, Painter.
 Prindle, James D., 179 Summer street, No occupation.
 Prior, Charles W., 95 Summer street, Electrician.
 Pritchard, William E., 47 Beacon street, No occupation.
 Puffer, Charles, 14 Dartmouth street, Produce dealer.
 Pugh, Samuel, 269 Summer street, Clerk.
 Pushee, Frank S., 43 Chester street, Salesman.
 Putnam, Charles R., 48 Banks street, Salesman.

Q

Quick, Augustus S., 51 Chester street, Clerk.
 Quimby, Timothy H., 34 Mead street, Carpenter.
 Quinn, John A., 26 Merriam street, Laborer.

R

Race, Hiram G., 220-A Pearl street, Carpenter.
 Rafferty, Joseph J., 318 Somerville ave., Superintendent.
 Ramsdell, Charles H., 53 Tufts street, Real estate agent.
 Ramsdell, Charles H., Jr., 53 Tufts street, Salesman.

Rand, George T., 336 Highland avenue, Bookbinder.
 Rand, James B., 24 Austin street, No occupation.
 Randlet, Irving N., 11 Jay street, Builder.
 Ratcliffe, Edward F., 14 Columbus avenue, Clerk.
 Ray, Benjamin P., 30 Berkeley street, No occupation.
 Ray, Frank E., 16 Virginia street, Clerk.
 Raymond, Charles F., 20 Crocker street, Insurance agt.
 Raymond, Harry D., 403 Highland avenue, Tool maker.
 Raymond, Marcus M., 37 Jaques street, No occupation.
 Raynes, Charles E., 49 Francesca avenue, Clerk.
 Raynes, Guy F., 49 Francesca avenue, Bookkeeper.
 Reed, Albert L., 336 Beacon street, Mason.
 Reed, Clarence G., 30 Forest street, Plasterer.
 Reed, Cyrus A., 14 Farragut avenue, Upholsterer.
 Reed, Edward F., 35 Union square, Paper hanger.
 Reeves, Frederic H., 15-A Herbert street, Clerk.
 Remick, George W., 16 Cutter street, Mason.
 Remick, William F., 16 Cutter street, Dry goods dealer.
 Rich, Isaac, 36 Walnut street, Civil engineer.
 Rich, Samuel B., 45 Francesca avenue, Fish dealer.
 Rich, Sewall M., 381 Medford street, Agent.
 Rich, William W., 169 Pearl street, Printer.
 Richards, Daniel, Jr., 14 Granite street, Clerk.
 Richards, Frederick L., 127 Summer street, Engineer.
 Richards, William P., 44 Day street, Architect.
 Richardson, Benjamin H., 102 Curtis street, Clerk.
 Richardson, George A., 20 Wesley street, Clerk.
 Richardson, G. Herbert, 56 Franklin street, Clerk.
 Richardson, Homer L., 88 Albion street, Compositor.
 Rideout, Henry N. W., 7 Howe street, Clerk.
 Ridler, Parker, 37 Ames street, Salesman.
 Riess, Frank, 49 Gorham street, Painter.
 Ring, Francis W., 12 Wheatland street, Driver.
 Rinn, Daniel H., 17 Wesley park, Victualler.
 Rivers, Fred S., 31 Charnwood road, Electrician.
 Roberts, Oliver S., 15 Kidder avenue, Manager.
 Roberts, Porter S., 41 Pearl street, Grocer.
 Robinson, Francis H., 36 Beach street, Clerk.
 Robinson, William F. S., 84 Pearl street, Artist.
 Robinson, Wm. H., 265 Broadway, Veterinary surgeon.
 Rogers, Bishop G., 400 Somerville ave., Real estate agt.
 Rogers, Frederick R., 3 Wesley park, Driver.
 Rogers, John E., 9 Wigglesworth street, Electrician.
 Ross, Daniel M., 7 Stickney avenue, Electrician.
 Ross, William M., 116 Hancock street, Grainer.
 Rowe, Daniel, 299 Washington street, Editor.
 Rowell, Elwin E., 17 Broadway, Clerk.
 Rufer, John B., 134 Lowell street, Blacksmith.
 Rumney, Isaac E., 10 Benedict street, Machinist.
 Russ, Oliver E., 22 Pinckney street, No occupation.
 Russell, Arthur J., 51 Beacon street, Printer.
 Russell, Eugene L., 1196 Broadway, Clerk.
 Ryan, Michael E., 10 Murdock street, Shipper.

S

Saben, Edward E., 110 Pearl street, Insurance agent.
 Samuel, Henry, 91 Belmont street, Clerk.
 Sampson, Paul L., 22 Joseph street, Printer.
 Sanborn, Charles H., 50 Walnut st., Steam heating contr.
 Sanborn, James C., 31 Sargent avenue, Teamster.

Sanborn, William A., 472 Broadway, Brick manufacturer.
 Sanborn, William F., 17 Benedict street, Cigar dealer.
 Sargent, Isaac C., 8 Parker street, Insurance agent.
 Savage, Peter J., 10 Dane avenue, Machinist.
 Sawyer, Edward K., 32 Main street, Clerk.
 Sawyer, Walter S., 16 Browning road, Real estate agent.
 Scanlon, Edward, 28 Marion street, Provision dealer.
 Schick, Jacob, 18 Gorham street, Cabinetmaker.
 Schillinger, Edgar F., 8-A Montgomery ave., Mechanic.
 Schofield, John E., 28 Willow avenue, Dry goods dealer.
 Schrafft, William E., 49 Belmont st., Candy manufacturer.
 Schwab, Ferdinand, 20 Virginia street, Superintendent.
 Searl, John, 86 Elm street, Shoe manufacturer.
 Sears, Eben, 25 Dartmouth street, Boiler inspector.
 Shattuck, Benjamin F., 26 Warren avenue, Potato dealer.
 Shattuck, David A., 23 Brook street, Carpenter.
 Shattuck, Elwin H., 75 Harris street, Metal spinner.
 Shaw, Charles E., 10 Eastman place, Paper hanger.
 Shaw, Oscar M., 18 Everett avenue, Contractor.
 Shaw, William H., 92 Central street, Clerk.
 Sheeran, John J., 153 Beacon street, Provision dealer.
 Sheridan, Arthur H., Sr., 22 Perry street, Cashier.
 Sherman, Frank M., 41 Derby street, Clerk.
 Shorey, William P., 40 Columbus avenue, Writer.
 Short, Oscar W., 8 Bowdoin street, Box manufacturer.
 Shumway, Edward, 162 Highland avenue, Produce dealer.
 Sibley, Alfred M., 42 Oxford street, Mason.
 Sibley, Lincoln H., 39 Laurel street, Clerk.
 Simmons, Walter R., 10 Ellsworth street, Clerk.
 Singleton, Charles H., 17 Preston road, Jeweler.
 Skelton, Daniel J., 10 Burnside avenue, Carpenter.
 Skilton, Walter E., 156 School street, Salesman.
 Slager, Charles A., 45 Union square, Carpenter.
 Smith, Albert E., 15 1-2 Putnam street, Cooper.
 Smith, Edgar A., 45 Cedar street, Superintendent.
 Smith, William, 13 Smith avenue, Cabinetmaker.
 Smith, William H., 79 Irving street, Printer.
 Snow, Herbert W., 199 Pearl street, Clerk.
 Snow, John C. H., 60 Mt. Vernon st., Carpenter and bldr.
 Snow, Walter H., 42 Derby street, Grocer.
 Snow, William A., 17 Francesca avenue, Iron worker.
 Solomon, Charles D., 12 Berkeley street, Clerk.
 Solomon, William H., 12 Berkeley st., Real estate agent.
 Soule, Horace W., 22 Loring street, Draughtsman.
 Spaulding, Daniel B., 8 Hancock street, No occupation.
 Spaulding, James R., 57 Chandler street, Merchant.
 Spear, Harry A., 44 Bradley street, Clerk.
 Sprague, Walter A., 42 Prospect street, Telegrapher.
 Sproule, Alexander W., 448 Medford street, R. E. agent.
 Stackpole, J. Frank, 238 Broadway, Shipper.
 Stackpole, John, 242 Broadway, Builder.
 Stacy, George W., 14 Albion street, Clerk.
 Staples, Mendall G., 42 Prospect street, Teamster.
 Starbird, George M., 102 Pearl street, Carpenter.
 Starratt, John D., 9 Waterhouse street, Motorman.
 Starrett, Charles E., 32 Marshall street, Clerk.
 Steele, Danforth S., 8 Leslie place, Foreman.
 Stevens, Dudley L., 7 Francesca avenue, Salesman.
 Stevens, Elmer A., 103 Liberty avenue, Provision dealer.
 Stevens, John E., 7 Linden avenue, Painter.
 Stevens, Oliver A., 20 Putnam street, Engineer.

Stillings, Rufus, 23 Arthur street, Printer.
 Stimpson, Frank W., 33 Jaques street, Compositor.
 Stockbridge, Alfred E., 88 Pearl street, Salesman.
 Stodder, George F., 20 Stickney avenue, Fish dealer.
 Story, Orville L., 23 Tufts street, Scenic artist.
 Stover, Alvra H., 13 Virginia street, Foreman.
 Strout, Charles O., 17 Flint street, Mason.
 Stuart, Lewis R., 21 Delaware street, Dry goods dealer.
 Studley, Stillman S., 130 Syamore street, Clerk.
 Sturtevant, Richard H., 31 Walnut street, Beef dealer.
 Swain, Gideon W., 18 Bradley street, Provision dealer.
 Swain, Noah R., 17 Hathorn street, Tailor.
 Symonds, Irving F., 14 Greene street, No occupation.

T

Tarbox, Horace E., 30 Austin street, Mason.
 Tattan, Michael H., 458 Somerville avenue, Grocer.
 Taylor, Alvin, 15 Jaques street, Plumber.
 Teele, Samuel F., 73 Curtis street, Farmer.
 Temple, Wilbur C., 11 Laurel street, Photographer.
 Tewksbury, J. Gardiner, 34 Pinckney street, Paper dealer.
 Thiery, William O., 198 Summer street, Salesman.
 Thomas, Joseph M., 23 Stickney ave., Produce dealer.
 Thompson, Charles W., 27 Lake street, Clerk.
 Thompson, J. Herbert, 66 Marshall street, Musician.
 Thompson, William H. J., 55 Concord avenue, Carpenter.
 Thomsen, Fred J., 171 Walnut street, Machinist.
 Thomson, Emerson, 10 Pinckney street, Clerk.
 Thorne, Richard E., 22 Woodbine street, Porter.
 Thurgood, Augustus, 42 Hudson street, Salesman.
 Tibbetts, Harris P., 31 Bradley street, Carpenter.
 Tilden, Elmer E., 80 Porter street, Bookkeeper.
 Timson, L. Edgar, 50 Webster street, No occupation.
 Titus, Anson M., 10 Raymond avenue, Bookkeeper.
 Titus, Franklin A., 34 Flint street, Real estate dealer.
 Tobey, S. Edwin, 17 Spring Hill terrace, Architect.
 Tomfohrde, Richard, 216 Highland ave., Restaurant kpr.
 Tompkins, Charles H., 2 Austin street, No occupation.
 Toothaker, Charles W., 24 Kensington ave., Milk dealer.
 Toothaker, Rolan H., 67 Pearl street, Milk dealer.
 Touchet, Victor L., 88 Line street, Teamster.
 Towne, Henry A., 41 Webster street, Moulder.
 Trafton, Mark, 2nd, 20 Chester street, Clerk.
 Tribble, Hiram, 50 Chandler street, Salesman.
 Tuckett, Charles R., 166 Broadway, Architect.
 Turner, George E., 27 Tufts street, Teamster.
 Tuttle, Herbert L., 22 Everett avenue, Clerk.
 Twitchell, Francis A., 120 Prospect street, Clerk.

U

Upton, Henry J., 45 Florence street, Rubber worker.

V

Valentine, Paul R., 2 Bolton street, Clerk.
 Van Buskirk, Charles, 20 Prescott street, Frame worker.
 Vanderslice, Isaac, 34 Wallace street, Clothing dealer.
 Vaughn, Hartley E., 7 Auburn avenue, Clerk.

Vincent, Francis X., 95-B Prospect street, Printer.
 Vivian, James H., 210 Medford street, Salesman.
 Vreeland, Edward B., 121 Central st., Hay & grain dlr.

W

Waitt, Ernest L., 261 Willow avenue, Reporter.
 Walker, Edwin P., 11 Bigelow street, Superintendent.
 Walker, Ferdinand, 27 Cutter street, Mason.
 Walker, George, 26 Wallace street, Salesman.
 Walker, Granville A., 9 Loring street, Painter.
 Walker, J. Edwin, 64 Temple street, Engineer.
 Walker, Thomas G., 5 Dell st., Foreman, N. P. & P. Co.
 Wanless, David, 21 Grove street, Salesman.
 Ward, Benjamin A., 22 Milton street, Tailor.
 Ware, Francis A., 54 Dartmouth street, Manufacturer.
 Warner, Charles S., 19 Chapel street, No occupation.
 Waters, Harry G., 101 Orchard street, Clerk.
 Waters, Morgan, 11 Sanborn avenue, Insurance agent.
 Watson, Frank L., 21 Aldersey street, Paint dealer.
 Watson, Thomas J., 22 Chauncey avenue, Printer.
 Watters, James, 41 Mystic avenue, Musician.
 Watts, George A., 18 Maple avenue, Mechanic.
 Waugh, J. Robert, 36-A Linden ave., Carpenter.
 Webber, Edward O., 73 Partridge ave., Rubber worker.
 Webber, Herbert L., 70 Columbus avenue, Painter.
 Webber, Orrin H., 2 Wellington avenue, Carpenter.
 Welch, James T., 303 Highland avenue, Mason.
 Wemyss, George D., 29 Ames street, Furniture mfr.
 Wentworth, Frank H., 61 Dartmouth street, Salesman.
 Wentworth, Ransom D., 22 Flint street, Stable keeper.
 West, Thomas, 22 Rogers avenue, Agent.
 Weston, Howard H., 50 Jaques street, Restaurant keeper.
 Wheeler, Homer C., 16 Kidder avenue, Receiver.
 Whitaker, Joseph W., 8 Fairview terrace, Clerk.
 White, Christopher J., 38 Concord avenue, Clerk.
 White, Clifford F., 71 Boston street, Watchman.
 White, Francis, 8 Park street, Clerk.
 White, Frank H., 14 Montgomery avenue, Map mounter.
 White, Henry F., 18 Grant street, Plater.
 White, J. Harvey, 411 Broadway, Agent.
 White, Joseph A., 150 Hudson street, Carpenter.
 White, Maurice J., 52 Linwood street, Clerk.
 Whiton, Erastus, 45 Webster street, Clerk.
 Whiton, George F., 20 Otis street, Leather dealer.
 Whittmore, Arthur W., 153 Elm street, Photographer.
 Wholey, James, 25 Oak street, No occupation.
 Wiggin, Walter S., 74 Walnut street, Clerk.
 Wilde, George, 104 Broadway, Clerk.
 Wilde, Waldo M., 15 Sartwell avenue, Bookkeeper.
 Wiley, Henry C., 75 Thurston street, Clerk.
 Wilkins, Frederick L., 22 South Church street, Clerk.
 Wilkins, Samuel H., 19 Dover street, Beef dealer.
 Willey, Clarence H., 26 Dartmouth st., Hay & grain dlr.
 Williams, Charles C., 10 Oakland avenue, Manager.
 Williams, Charles H., 45 Union square, Carpenter.
 Williams, Ernest P., 1 Hillside avenue, Clerk.
 Williams, James, 166 Sycamore street, No occupation.
 Williams, James A., 15 Merriam street, Carpenter.
 Williams, Paulinus F., 1 Hillside avenue, Lumber dealer.

Williston, Belvin T., 3 Monmouth street, Draughtsman.
Willoughby, George T., 111 Central street, Builder.
Wilson, John R., 60 Albion street, Carpenter.
Winslow, Isaac S., 38 Spring street, No occupation.
Winsor, Martin C., 65 Cross street, Salesman.
Wiswell, Edward G., 22 Webster street, Salesman.
Wood, Charles, 23 Columbus avenue, Locksmith.
Wood, James, 40 Tower street, Locksmith.
Woods, George H., 14-A Austin street, Agent.
Wright, Walter H., 54 Vinal avenue, Manufacturer.
Wyatt, Charles B., 10 Linden avenue, Machinist.
Wyman, Charles B., 67 Thurston st., Restaurant keeper.

Y

Yeaton, George W., 49 Day street, Yard master.
Yelland, Henry, 5 Munroe street, Slipper.
York, Ernest A., 10 Thorndike street, Baker.
Young, David, 372 Highland avenue, Blacksmith.
Young, Willis A., 49 Cedar street, Carpenter.
Yunker, Richard E., 9 Rossmore street, Wheelwright.

CITY GOVERNMENT AND OFFICERS FOR 1902.

Mayor.

EDWARD GLINES,
129 Highland avenue.

Board of Aldermen.

President — WILLIAM H. WOODBERRY.

Vice-President — JAMES WATTERS.

WARD ONE.

JAMES WATTERS, Alderman-at-large 41 Mystic avenue.
CHARLES S. GILMAN 11 Hathorn street.
THOMAS T. M. SARGENT 67 Myrtle street.

WARD TWO.

HORACE A. BELCHER, Alderman-at-large 12 Webster avenue.
WILLIAM M. KELLEY 17 Merriam street
DENNIS C. MAHONEY 16 Parker street.

WARD THREE.

JACKSON CALDWELL, Alderman-at-large 50 Preston road.
WILLIAM F. BARKER 5 Putnam street.
CHARLES H. WOOD 7 Bigelow street.

WARD FOUR.

HOWARD LOWELL, Alderman-at-large 46 Gilman street.
EDWIN N. SIMONDS 47 Jaques street.
HERBERT P. NICKERSON 9 Edmands street.

WARD FIVE

WILLIAM H. WOODBERRY, Alderman-at-large 181 Central street.
GEORGE W. HATCH 69 Partridge avenue.
FRANK A. NOYES 95 Highland avenue.

WARD SIX.

JAMES F. REYNOLDS, Alderman-at-large 12 Belmont place.
SUMNER T. KAULBACK 34 Ayer avenue.
RALPH A. LANDERS 20 Cambria Street.

WARD SEVEN.

WARREN C. DAGGETT, Alderman-at-large 49 College avenue.
J. WILLARD JONES 50 Francesca avenue.
ORAMEL P. WALKER 31 Conwell avenue.

City Clerk — GEORGE I. VINCENT.

Assistant City Clerk — FREDERIC W. COOK.

Regular meetings, second and fourth Thursday evenings of each month, at 8 o'clock.

Standing Committees of the Board of Aldermen.

ACCOUNTS. — Aldermen Daggett, Landers and Kelley.

BONDS. — Aldermen Walker, Landers and Sargent.

CITY ENGINEERING. — Aldermen Simonds, Kaulback and Sargent.

CLAIMS. — The President, Aldermen Noyes and Wood.

ELECTIONS. — Aldermen Daggett, Hatch and Barker.

ELECTRIC LINES AND LIGHTS. — Aldermen Reynolds, Watters, Lowell, Jones and Hatch.

FINANCE. — The President, Aldermen Reynolds, Watters, Caldwell, Belcher, Simonds and Daggett.

FIRE DEPARTMENT. — Aldermen Jones, Belcher, Nickerson, Sargent and Landers.

GRADE CROSSINGS. — Aldermen Belcher, Watters, Caldwell, Daggett and Kaulback.

HIGHWAYS. — Aldermen Caldwell, Lowell, Gilman, Reynolds, Walker, Hatch and Mahoney.

LEGISLATIVE MATTERS. — The President, Aldermen Wood and Walker.

LICENSES. — Aldermen Watters, Jones and Wood.

ORDINANCES AND RULES. — Aldermen Watters, Barker and Landers.

POLICE. — The President, Aldermen Jones and Sargent.

PRINTING. — Aldermen Gilman, Kelley and Kaulback.

PUBLIC GROUNDS. — Aldermen Walker, Simonds, Wood, Kelley and Noyes.

PUBLIC PROPERTY. — Aldermen Noyes, Gilman, Barker, Kaulback and Belcher.

SEWERS. — Aldermen Lowell, Reynolds and Gilman.

SPECIAL BUILDING PERMITS. — Aldermen Caldwell, Nickerson and Mahoney.

STATE AID AND SOLDIERS' RELIEF. — Aldermen Lowell, Nickerson and Mahoney.

WATER. — Aldermen Simonds, Barker and Mahoney.

School Committee.

Chairman. — S. NEWTON CUTLER.

Vice-Chairman. — GEORGE A. MILES.

(Term, two years.)

WARD ONE.

S. NEWTON CUTLER (elected 1901), 28 Flint street.

GEORGE S. POOLE (elected 1900), 46 Mt. Vernon street.

WARD TWO.

JOHN H. O'NEIL (elected 1901), 44 Oak street.

EDWARD J. FLYNN (elected 1900), 273 Washington street.

WARD THREE.

DANA W. BENNETT (elected 1900), 41 Putnam street.

GEORGE E. WHITAKER (elected 1901), 75 Walnut street.

WARD FOUR.

GEORGE W. W. WHITING (elected 1901), 282 Broadway.

WILLIAM P. JONES (elected 1900), 13-A Maple avenue.

WARD FIVE.

QUINCY E. DICKERMAN (elected 1901), 85 Central street.
 J. WALTER SANBORN (elected 1900), 183 Central street.

WARD SIX.

FREDERICK A. P. FISKE (elected 1901), 44 Cherry street.
 FRED M. CARR (elected 1900), 12 Westwood road.

WARD SEVEN.

GEORGE A. MILES (elected 1901), 249 Elm street.
 HENRIETTA B. H. ATTWOOD (elected 1900), 18 Herbert street.

Superintendent and Secretary. — GORDON A. SOUTHWORTH.

Office, City Hall Annex.

Hours: 8 A. M. to 12 M., and 1.30 to 5 P. M.; 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 meeting is on last Friday.

Assessors.

(Term, three years.)

ALBERT B. FALES, Chairman (term expires 1904).
 BENJAMIN F. THOMPSON (term expires 1905).
 NATHAN H. REED (term expires 1903).
 HARRY A. TRUE (term expires 1903).
 JESSE J. UNDERHILL (term expires 1905).

ASSISTANT ASSESSORS.

(Term, one year.)

FRED B. CLAPP.	WILLIAM HENRY SMITH.
JAMES WILSON.	SEWALL M. RICH.

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 1904).
 ALVANO T. NICKERSON (resigned Sept. 1, 1902).
 * EDMUND S. SPARROW (term expires 1903).

Clerk. — WILLIAM P. MITCHELL.

Agent. — CALEB A. PAGE.

Superintendent Collection of Ashes and Offal. — EDGAR T. MAYHEW.

Office open: 8 A. M. to 4 P. M.; Saturdays, 8 A. M. to 12 M.

* Appointed Sept. 11, 1902, to fill vacancy.

Overseers of the Poor.

Office, City Hall Annex.

(Term, three years.)

EDWARD B. WEST, Chairman (term expires 1903).

ALBERT W. EDMANDS (term expires 1905).

HERBERT E. MERRILL (term expires 1904).

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 1904).

CHARLES E. PARKS (term expires 1905).

LEVI F. S. DAVIS (term expires 1903).

GEORGE I. VINCENT, City Clerk (term expires 1905).

Public Library Trustees.

(Term, three years.)

CHARLES A. WEST, Chairman (term expires 1904).

JOHN B. VIALL (term expires 1905).

EDWARD C. BOOTH (term expires 1904).

GEORGE W. PERKINS (term expires 1904).

J. FRANK WELLINGTON (term expires 1905).

IRVING G. HALL (term expires 1903).

HOWARD D. MOORE (term expires 1903).

FREDERICK W. PARKER (term expires 1903).

CHARLES S. SOULE (term expires 1905).

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.

GEORGE I. VINCENT.

Assistant City Clerk. — FREDERIC W. COOK.

Office open : 8 A. M. to 4 P. M. ; Saturdays, 8 A. M. to 12 M.

City Treasurer and Collector of Taxes.

JAMES F. BEARD.

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.

City Solicitor.FRANK W. KAAAN,
50 State street, Boston.**City Auditor.**

CHARLES S. ROBERTSON.

City Engineer.

ERNEST W. BAILEY.

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.

Commissioner of Streets.

JOHN P. PRICHARD.

Office hour : 9 A. M.

Commissioner of Public Buildings and Inspector of Buildings.

FREDERICK C. FULLER.

Office hours : 8 A. M. to 12 M.

Inspector of Plumbing.

DUNCAN C. GREENE.

Office hour : 8 to 9 A. M.

Commissioner of Electric Lines and Lights.

EDWARD BACKUS.

Office hour : 8.30 to 9.30 A. M.

Water Commissioner.

FRANK E. MERRILL.

Office open : 8 A. M. to 4 P. M. ; Saturdays, 8 A. M. to 12 M.

Chief of Police.

MELVILLE C. PARKHURST.

Office, Police Building, Bow street.

Chief Engineer of the Fire Department.

JAMES R. HOPKINS.

Office, Central Fire Station, 261 Medford street.

City Physician.ALVAH B. DEARBORN, M. D.,
34 Bow street.**Inspector of Milk and Vinegar.**JULIUS E. RICHARDSON,
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,
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.

EUGENE A. CARTER.

CHRISTOPHER C. CAVANAGH.

CHARLES H. COLGATE.

CHARLES L. ELLIS.

CHARLES C. FOLSOM.

PATRICK J. GARVIN.

WILLIAM D. HAYDEN.

FRANKLIN W. HOPKINS.

DENNIS KELLEY.

JOHN J. KENNEY.

JAIRUS MANN.

EDWARD MCGARR.

CHARLES B. PALMER.

MELVILLE C. PARKHURST.

ROBERT R. PERRY.

CLIFTON P. SANBORN.

THOMAS C. SCOTTRON.

ALBION L. STAPLES.

CHARLES E. WOODMAN.

Measurers of Wood and Bark.

WILLIAM B. HOLMES,
317 Broadway.

OSCAR A. DYKENS,
34 Chestnut street.

Measurers of Grain.

JOSEPH BAILEY.

JOHN CRAIG.

Public Weigher in Charge of City Scales, Union Square.

FULTON O'BRIEN.
3 Union square.

Weighers of Coal.

EDGAR H. BARKER.
GEORGE W. BARNABY.
CHARLES P. BRANN.
ERNEST P. COOKE.
HARRY A. CRAWFORD.
CHARLES F. DOHERTY.
AMHERST F. DURKEE.
OSCAR A. DYKENS.
JOEL J. FISHER.
JOHN D. FLYNN.
CHARLES T. GARLAND.
WILLIAM E. GERRISH.
CHARLES W. GOODWIN.
GEORGE GROGAN.
STEPHEN M. G. HALE.
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