









# CITY OF SOMERVILLE

MASSACHUSETTS

# ANNUAL REPORTS

1900

With Mayor's Inaugural Address  
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# INAUGURAL ADDRESS

DELIVERED BY

HON. EDWARD GLINES, MAYOR,

JANUARY 7, 1901.

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GENTLEMEN OF THE BOARD OF ALDERMEN:—

By an established custom, as well as by a provision of the City Charter, the Mayor is expected to address your Board, and, through you, the citizens of Somerville, upon the conditions and needs of the various departments of the city. Whenever one is inducted into the Mayor's office for the first time, he must depend largely upon the heads of departments for information as to the condition of city affairs, and the present charter places such responsibilities upon him that it is fitting that important recommendations should be embodied in special messages after he has had opportunity to acquaint himself with the needs of the various departments. None of us, gentlemen of the Board of Aldermen, can be unmindful of the responsibility which we this day assume. If, as has been well said, a public office is a public trust, how emphatically true is it in the case of a municipal office! Upon our discretion and courage, our ability and honor, depend in no slight measure the good name and financial credit, the protection and comfort, the peace and prosperity of our citizens. No personal aspirations or prejudices, no interests or favoritism should stand in the way of the greatest service to the greatest number.

## **The Financial Situation.**

The foundation of all municipal advantage is financial. The supreme test of personal honor and public trust of character and capacity for administration is connected with the city's finances. We are to collect about \$900,000, paid by nearly 24,000 property holders or citizens, and we are to so use this vast sum that the citizens and others who come within our borders shall have the best protection for life and property, the most comfort in travel,

business, and pleasure, the greatest advantage of school, library, and hospital. The borrowing capacity of the city for the year 1901 will be \$258,440. There will certainly be no occasion to use the whole of this amount, and the day has forever passed when Somerville will ask the Legislature for authority to borrow beyond the debt limit. For the two years of Mayor Proctor's wise and careful administration the net debt has substantially decreased. While it may not be possible always to reduce the debt perceptibly, it should never be increased. Somerville is now so well established that only under extreme provocation ought we again to ask posterity to pay any of our bills. The tax rate ought never to be increased, and there can be no excuse for increasing it. In the near future we ought to be able to reduce the rate of taxation, and also continue to reduce the debt. It is practicable to look forward and see the probable expenditures for the next five years. The normal increase in valuation will naturally provide for the normal increase in running expenses. Each year we have to determine what is indispensable and immediate. I do not assume to know which of these are so this year, but when I am confident of my judgment in this matter, I shall send a special message upon the subject. I shall advise a wise use of money and a not unwise economy, so far as I can determine. Among the expenditures important and urgent in the near future are the following (no attempt is made to present them in the order of their importance or urgency):—

First. A ten or twelve room school building on the Jackson school lot, near Somerville avenue and Medford street.

Second. A six-room building in the Hodgkins district.

Third. Adequate accommodations for the High school, either by enlarging the English High school or by the erection of a Latin School building.

Fourth. A second police station, or the removal of the armory, so that the entire present building can be made available for the department.

Fifth. Completion of Powder-house boulevard.

#### **Funded Debt.**

Total funded debt of the city January 1, 1900, \$1,492,500. This debt was increased during the year \$152,000. It was decreased \$166,500, leaving the net funded debt January 1, 1901, \$1,478,000, a net reduction of \$14,500.



### Taxable Property.

Total amount of taxable property, \$52,578,200, of which \$47,430,000 is on real estate, and \$5,148,200 on personal estate. At a rate of \$16 on each \$1,000 of valuation, the tax is \$841,251.20. There are 16,848 polls at \$2, making \$33,696. We received from street watering \$14,968.88, making the total tax levy \$889,916.08. Total number of persons assessed, resident and non-resident, 23,461.

Of the amount received in taxes, \$117,600 is required for the debt provisions; \$118,870.33 are state and county taxes, Metropolitan sewer, etc., matters over which the city has no control; \$290,200 is used for current expenses of departments, over which the Board of Aldermen has no control; \$314,580.87 is the amount for current expenses within control of the Board of Aldermen. The same statement, based upon the \$16 per thousand, is as follows: Of each \$16, \$2.26 are for State, County, and Metropolitan taxes; \$2.24 for debt requirements; \$5.52 for current expenses, over which the Board of Aldermen has no control; \$5.98, current expenses within control of the Board of Aldermen.

In addition to the amounts received from taxes, we received last year \$223,367.57, income from the water works; \$27,161.93 from corporation and bank taxes; from the Clerk of Courts, \$3,545.51; from dog licenses, \$3,257.45; unexpended appropriations of 1899, \$36,991.52; making a total of \$294,323.98, making total receipts from taxes and other sources \$1,184,240.06.

The estimated borrowing capacity of the city January 1, 1901, was \$146,440. By the first of October this will be increased \$112,000, making a total borrowing capacity of \$258,440.

### The City's Finances.

Funded Debt.—The funded debt of the city January 1, 1900, was as follows:—

Funded Debt, City Loan . . . . .	\$1,030,000 00
Funded Debt, Sewer Loan . . . . .	158,000 00
Funded Debt, Paving Loan . . . . .	65,000 00
Funded Debt, Water Loan . . . . .	239,500 00
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Total Funded Debt . . . . .	\$1,492,500 00

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

Schoolhouse in Ward Two . . . . .	\$40,000 00
Schoolhouse in or near Ward Seven . . . . .	45,000 00
Schoolhouse, Charles G. Pope, improve- ments . . . . .	2,000 00
Schoolhouse, O. S. Knapp, improve- ments . . . . .	8,000 00
Fire Department, Fire Apparatus, Ladder 2 Station . . . . .	3,000 00
Highways, Boston-avenue Bridge . . . . .	6,500 00
Highways, Paving Davis Square . . . . .	3,500 00
Powder-house Boulevard . . . . .	12,000 00
Public Grounds, Land for Park Pur- poses . . . . .	12,000 00
Sidewalks, Construction . . . . .	8,000 00
Renewals Funded Debt . . . . .	12,000 00
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Amount borrowed during the year . . . . .	\$152,000 00

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

Funded Debt, City Loan . . . . .	\$121,000 00
Funded Debt, Sewer Loan . . . . .	8,000 00
Funded Debt, Paving Loan . . . . .	5,000 00
Funded Debt, Water Loan . . . . .	32,500 00
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Amount paid during the year . . . . .	\$166,500 00

Leaving the funded debt of the city January 1, 1901, \$1,478,000 (a reduction of \$14,500 from the previous year), classified as follows:—

City Loan Bonds bearing interest at $3\frac{1}{2}$ per cent. . . . .	\$152,000 00
City Loan Bonds bearing interest at 4 per cent. . . . .	820,000 00
City Loan Bonds bearing interest at $4\frac{1}{2}$ per cent. . . . .	89,000 00
City Loan Sewer Bonds bearing interest at 4 per cent. . . . .	139,000 00
City Loan Sewer Bonds bearing interest at $4\frac{1}{2}$ per cent. . . . .	11,000 00
City Loan Paving Bonds bearing interest at 4 per cent. . . . .	60,000 00
Water Loan Bonds bearing interest at 4 per cent. . . . .	197,000 00
Water Loan Bonds bearing interest at $5\frac{1}{2}$ per cent. . . . .	10,000 00
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Total Funded Debt January 1, 1901 . . . . .	\$1,478,000 00

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

Taxes.—The assessors' warrant for the tax levy assessed upon the polls and estates of the inhabitants, as of May 1, 1900, was duly submitted to the collector.

The total amount of taxable property was \$52,578,200, and the rate established was \$16 on each \$1,000 valuation, as follows:—

Real Estate, valuation . . . . .	\$47,430,000 00
Personal Estate, valuation . . . . .	5,148,200 00
Total valuation . . . . .	<u>\$52,578,200 00</u>
At a rate of \$16 on each \$1,000 valuation . . . . .	\$841,251 20
Polls, 16,848, at \$2.00 . . . . .	33,696 00
Street Watering . . . . .	14,968 88
Total amount of tax levy . . . . .	<u>\$889,916 08</u>
Total number of persons assessed, resident and non-resident, 23,461.	

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

	Rate As- sessed on \$1,000 valua- tion.	Amount.
For Current expenses within the control of the Board of Aldermen . . . . .	\$5.983	\$314,580 87
Current expenses of departments over which the Board of Aldermen has no control . . . . .	5.519	290,200 00
Debt requirements . . . . .	2.237	117,600 00
State and County taxes, Metropolitan sewer assessments, and overlay account . . . . .	2.261	118,870 33
For total amount on a valuation of \$52,578,200, at \$16.00 . . . . .		<u>\$841,251 20</u>
Poll taxes assessed credited to State and County . . . . .		33,696 00
Street Watering, in excess of amount appropriated . . . . .		14,968 88
Total amount of tax levy . . . . .		<u>\$889,916 08</u>

The appropriations to the various accounts were as follows:—

ACCOUNTS WITHIN THE CONTROL OF THE BOARD OF ALDERMEN.

Assessors . . . . .	\$10,000 00
City Auditor . . . . .	750 00
City Clerk . . . . .	6,000 00
City Engineer . . . . .	11,500 00
City Messenger . . . . .	2,500 00
City Solicitor . . . . .	2,350 00
City Treasurer . . . . .	14,000 00
Clerk of Committees and Departments . . . . .	4,100 00
Contingent Fund . . . . .	9,535 00
Election Expenses:—	
City Clerk . . . . .	1,000 00
Commissioner Public Buildings . . . . .	1,200 00
Pay of Election Officers . . . . .	1,700 00
Registrars of Voters . . . . .	1,800 00
Electrical Department . . . . .	7,000 00
Executive Department . . . . .	4,000 00
Fire Department . . . . .	58,000 00
Highways, Construction . . . . .	2,000 00
Highways, Maintenance . . . . .	7,000 00
Highways, Paved Gutters and Crossings . . . . .	12,000 00
Highways, Watering Streets . . . . .	4,000 00
Inspection of Buildings . . . . .	3,300 00
Military Aid . . . . .	500 00
Police . . . . .	22,000 00
Printing and Stationery . . . . .	3,000 00
Public Buildings Maintenance:—	
City Hall . . . . .	6,000 00
City Hall Annex . . . . .	1,000 00
Fire Department . . . . .	4,700 00
Health Department . . . . .	200 00
Highways . . . . .	1,200 00
Police . . . . .	3,000 00
Public Library . . . . .	3,000 00
Schoolhouses . . . . .	38,500 00
Sewer Department . . . . .	200 00
Support of Poor . . . . .	500 00
Water Department . . . . .	100 00
Public Grounds . . . . .	10,200 00
Public Library Addition . . . . .	3,000 00
Schoolhouse, Burns, Addition . . . . .	180 87
Sealer Weights and Measures . . . . .	1,065 00
Shade Trees . . . . .	500 00
Amount carried forward . . . . .	<u>\$262,580 87</u>

Amount brought forward . . . . .	\$262,580 87
Sidewalks, Construction . . . . .	10,000 00
Sidewalks, Maintenance . . . . .	5,000 00
Soldiers' Relief . . . . .	15,000 00
Somerville Hospital . . . . .	5,000 00
Street Lights . . . . .	17,000 00
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Total amount assessed on a valuation of \$52,578,200, at \$5.983 . . . . .	\$314,580 87

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

Health Department . . . . .	\$30,000 00
Public Library . . . . .	10,000 00
School Contingent . . . . .	22,000 00
School Teachers' Salaries . . . . .	208,000 00
Support of Poor, City Home . . . . .	4,000 00
Support of Poor, Miscellaneous . . . . .	16,200 00
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Total amount assessed on a valuation of \$52,578,200, at \$5.519 . . . . .	\$290,200 00

## ACCOUNTS PROVIDING FOR DEBT REQUIREMENTS.

Interest . . . . .	\$55,000 00
Reduction of Funded Debt . . . . .	62,600 00
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Total amount assessed on a valuation of \$52,578,200, at \$2.237 . . . . .	\$117,600 00

## PROVIDING FOR STATE AND COUNTY TAXES, ETC.

State Tax . . . . .	\$27,075 00	
Deduct one-half of poll taxes . . . . .	16,848 00	
	<hr/>	\$10,227 00
County Tax . . . . .	\$48,311 73	
Deduct one-half of poll taxes . . . . .	16,848 00	
	<hr/>	31,463 73
Metropolitan Sewer Assessment . . . . .		41,924 34
National Bank Tax . . . . .		1,036 80
Overlay and Abatement . . . . .		34,218 46
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Total amount assessed on a valuation of \$52,578,200, at \$2.261 . . . . .		\$118,870 33

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

## From the income of the water works:—

Water Maintenance . . . . .	\$45,000 00
Water Works Extension . . . . .	22,000 00
Water Loan Interest . . . . .	9,502 50
Reduction of Water Loan Debt . . . . .	32,500 00
Reduction of Sewer Loan Debt . . . . .	8,000 00
Metropolitan Water Assessment . . . . .	28,689 24
Water Works, Abatements on water charges . . . . .	1,000 00
Sewers, Maintenance . . . . .	9,000 00
Sewers, Construction . . . . .	24,151 12
Interest on Sewer Loan Bonds . . . . .	6,240 00
Reduction of Funded Debt . . . . .	37,284 71
Total . . . . .	<u>\$223,367 57</u>
Police, the amount received of the state for corporation and bank taxes . . . . .	27,161 93
Police, received of the Clerk of the Courts for fines, costs, etc. . . . .	3,545 51
Public Library, the amount received of the County for dog licenses . . . . .	3,257 45
Street Lights, balance of excess and deficiency of 1899 . . . . .	36,991 52
Total . . . . .	<u>\$294,323 98</u>

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

From tax levy . . . . .	\$889,916 08
From income . . . . .	294,323 98
Total . . . . .	<u>\$1,184,240 06</u>

## ESTIMATED BORROWING CAPACITY.

Valuation, 1898 . . . . .	\$50,739,700 00	
Non-resident bank stock and abatements to 1901 . . . . .	389,975 00	\$50,349,725 00
Valuation, 1899 . . . . .	\$51,262,400 00	
Non-resident bank stock and abatements to 1901 . . . . .	470,550 00	50,791,850 00
Valuation, 1900 . . . . .	\$52,513,400 00	
Non-resident bank stock and abatements to 1901 . . . . .	362,100 00	52,151,300 00
		<u>\$153,292,875 00</u>

Average valuation for last three years . . . . .	\$51,097,625 00
2½ per cent. of average valuation . . . . .	\$1,277,440 00
Existing debt within the limit, deducted from above amount . . . . .	1,131,000 00
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Borrowing capacity January 1, 1901 . . . . .	\$146,440 00
Debt payable July and October . . . . .	112,000 00
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Borrowing capacity for the year 1901 . . . . .	\$258,440 00

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

YEAR.	Amount of Funded Debt.	Increase of Funded Debt.	Reduction of Funded Debt.	Tax Rate per \$1,000 Valuation on Account of Reduc- tion of Funded Debt.
Town . . . . .	\$593,349	. . . . .	. . . . .	. . . . .
Dec. 31, 1872 . . . . .	643,354	\$50,005	. . . . .	. . . . .
“ 1873 . . . . .	809,354	166,000	. . . . .	. . . . .
“ 1874 . . . . .	1,419,854	610,500	. . . . .	. . . . .
“ 1875 . . . . .	1,571,854	152,000	. . . . .	. . . . .
“ 1876 . . . . .	1,606,854	45,000	*\$55,130 62	\$2 07
“ 1877 . . . . .	1,606,854	10,000	*58,828 58	2 30
“ 1878 . . . . .	1,596,854	. . . . .	61,004 64	2 91
“ 1879 . . . . .	1,585,000	. . . . .	64,915 76	3 42
“ 1880 . . . . .	1,585,000	. . . . .	55,739 35	2 72
“ 1881 . . . . .	1,585,000	. . . . .	58,498 64	2 59
“ 1882 . . . . .	1,585,000	. . . . .	61,390 59	2 65
“ 1883 . . . . .	1,585,000	. . . . .	64,479 01	2 70
“ 1884 . . . . .	1,585,000	. . . . .	67,719 33	2 78
“ 1885 . . . . .	†1,525,000	. . . . .	71,305 66	2 87
“ 1886 . . . . .	1,525,000	. . . . .	66,894 23	2 57
“ 1887 . . . . .	1,525,000	. . . . .	70,252 88	2 56
“ 1888 . . . . .	†860,500	25,000	37,000 00	1 28
“ 1889 . . . . .	952,500	130,000	38,000 00	1 27
“ 1890 . . . . .	1,057,500	150,000	45,000 00	1 38
“ 1891 . . . . .	1,045,500	45,000	57,000 00	1 55
“ 1892 . . . . .	1,194,500	253,000	104,000 00	2 73
“ 1893 . . . . .	1,279,500	222,000	137,000 00	3 27
“ 1894 . . . . .	1,344,500	172,000	107,000 00	2 42
“ 1895 . . . . .	1,506,500	247,000	85,000 00	1 83
“ 1896 . . . . .	1,531,000	177,000	152,500 00	3 11
“ 1897 . . . . .	1,548,000	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

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

†Sinking fund applied.

YEAR.	VALUATION.	TAX LEVY.	RATE.
1872 . . .	\$22,755,325 . . .	\$274,374 45 . . .	\$13 00
1873 . . .	29,643,100 . . .	389,214 48 . . .	12 80
1874 . . .	30,837,700 . . .	473,235 50 . . .	15 00
1875 . . .	31,317,000 . . .	518,161 40 . . .	16 20
1876 . . .	26,573,400 . . .	504,745 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

### Sanitary Conditions.

Too much emphasis cannot be placed upon the sanitary conditions of the city. With a population of nearly 62,000, living in an area of three square miles, with 12,000 children in our school buildings, it is of the utmost importance that sewers and drains be as perfect as modern science can make them, and that, so far as possible, there shall be no standing water in any settled portion of the city, and that flooded cellars should be prevented. Already there has been an important advance in separating house drainage from roof and surface water, emptying the house sewage on the main avenues into the Metropolitan system. This work has already been completed in the low and flat districts, thus protecting all danger points. The next need is to connect the lateral streets with these main sewers, after which the flooding of cellars will be relieved. The principal work remaining to be done is to provide outlets for storm water for discharge into the Mystic river near Middlesex avenue, and into the Miller's river at the East Cambridge line. Provision for these should be made at once. An area in the vicinity of Lowell and Vernon streets is



badly flooded during the heavy storms, and can be relieved only by the construction of a storm drainage system, with its outlet through the Boston & Lowell railroad valley. Considerable flooding of cellars is experienced in Morrison avenue, northwest of Willow avenue. The means of relief is by an overflow drain along the northerly location of the Lexington & Arlington branch railroad, with the outlet into Tannery brook storm drain at Davis square. The Cedar-street sewer in the vicinity of Hall street is inadequate in times of storms, and this locality is badly flooded; also a section that is tributary to this sewer on the northerly side of Highland avenue, east of Cedar street, requires the construction of a storm drain to prevent the flooding which occurs during storms. Total length of sewers in the city, 77.35 miles; total length of storm drains in the city, 3.1 miles; total number of catch basins in the city, 1,108.

The total amount spent under Sewers Construction account during the year 1900 has been \$50,300, and for the maintenance of sewage system, \$9,500.

### Highways.

There is no other department in which neglect is so apparent as in the streets, for these come to every man's door and are in constant use, not only by our citizens, but by thousands from neighboring cities and towns. The wear and tear upon highways in such constant use as are those of Somerville make it inevitable that there shall be large expenditure all the time, and it is of the utmost importance that new streets be built in the most substantial manner, and that all repairs shall be as thorough as the modern science of road-making can suggest. Twelve streets have been accepted as public ways the past year, a length of 1.6 miles; total length of public streets in the city, 61.76 miles; total length of private streets in the city, 29.26 miles. An appropriation has been made for laying an asphalt pavement on Cross street, from Broadway to Tufts street. In connection with the double tracking of Cross street a plan has been made showing the enlargement of Central square and easing the curve of the tracks by taking the point of land at the junction of Medford street, the Boston Elevated Railway Company bearing the expense. This last improvement will be appreciated by the traveling public and residents in immediate vicinity. In Union square during the last few years extensive alterations and additions have

been made in the sewer, water, and gas mains, and other underground conduits. The electric car tracks have been relaid and completed, all of this work making the granite-paved surface uneven and in poor condition for travel. All work having been completed, the granite block paving in the entire square should be relaid to the proper grade and cross-section. The old retaining wall on the southwest side of Beacon street, in front of the Norton estate, has been removed and rebuilt on the edgestone line of the street, making the traveled roadway on Beacon street of a uniform width of forty-four feet, where it has been of insufficient width for many years. The most important immediate demand, next to the repairing of Union square, is to begin work systematically for putting in first-class permanent condition the main avenues. The heavy expense attendant upon great winter storms can never be foretold, and there is no time in which the efficiency of the Highway Department is so tested as in the prompt removal of snow. Last year the city was remarkably exempt from such expense. Something should be done to prevent the tearing up of streets, especially after they have been paved at great expense. During the past four years every section of the city has had its streets torn up at least five different times by as many different classes of workmen for the relaying of various pipes. Until such wholesale invasions of our streets is lessened, it is impracticable to provide permanent pavement.

Something should be done to provide for wide tires for heavy teams. Good roads were never of so much importance as to-day, and such wheels act as rollers, keeping the roads in good repair. The modern system of street cleaning commends itself to all our citizens, and should be extended so as to cover by frequent visitation every street in the city. Each year it is found necessary to remove trees. Last year 38 that were considered dangerous were removed, but 233 new trees have been set out. This feature of the work of the Highway Department cannot be too highly commended. Probably no question is so vexatious as that of employing Somerville men without sacrificing the efficiency of the service. There should be no occasion to go beyond the city limits for laborers, but no one should be retained in the service who is inefficient merely because he is a resident.

I strongly advise the continuance of the policy of last year,

that streets should be laid out under the provisions of law authorizing the assessment of betterments.

The total appropriation for the Highway Department for the new year was \$141,594.98, independent of the street watering. Of this amount, \$46,038.04 was received from street railway corporation tax, and \$7,585.23 (excess earnings) from Boston Elevated Railway Company; \$34,471.71 from unexpended balances January 1, 1900; \$41,500 from tax levy; and \$12,000 from transfer from other appropriations.

### **Sidewalks.**

The sidewalks are even more universally used than the highways. They not only contribute to the general comfort of our citizens, but the value of real estate is greatly enhanced by a complete system of sidewalks kept in the best condition. No money expended brings to the city treasury a more prompt and complete return, as none adds more to the general satisfaction of the people. The total length of new edgestone set in the city during the year has been 7.7 miles, and the amount of brick sidewalk laid about 1.75 miles. The total length of edgestone in the city is 86.1 miles. The total length of brick sidewalk in the city is 55 miles.

### **Railroad Bridges.**

Our territory is now so thickly settled that no pains should be spared to bring into the market every building lot, and whenever possible every section should be given the advantage of every other. It is also of the utmost importance that the greatest safety to life should be provided for. It is important that arrangements be begun for the rebuilding of at least two bridges over the Lowell railroad and the replacing of the bridge connecting the two portions of Lowell street. This bridge was one of the first bridges over the railroad in Somerville, and its abandonment was due to the assumption that "Polly Swamp" was not to be built up; but this street on both sides of the railroad is now very thickly settled, and no improvement would accommodate more persons than the replacing of this bridge, and a movement should be at once inaugurated to require the Boston & Maine Railroad to replace the bridge as a public necessity, as well as convenience.

### Police Department.

The growth and perfecting of the Police Department of the city deserves, as it has received, the uniform admiration of our citizens. From a scattered rural population of my boyhood days and the reign of the town constable, Somerville has come to be the most thickly-settled city in the state, and this growth has at times been under conditions favorable to lawlessness; but, thanks to our no-license attitude and a wonderfully efficient police system, alike creditable in its organization and in its personnel, we have maintained the highest rank among American cities, both in the prevention and detection of crime. At the last election the city adopted the Pensioning of Firemen's Act, and now an effort should be made to extend the law relating to pensioning of policemen, which already applies to cities in the Commonwealth containing not less than 75,000 inhabitants, to apply to cities of not less than 60,000. It is of the utmost importance that old and faithful police officers should be provided for, whenever they are unable to do efficient service on account of age. This city is amply protected by a much smaller per capita force than most cities in the Commonwealth. Each year a few additional men are required, and something must be done to provide accommodations for some men to sleep in the police station, to be on hand in cases of emergency. It seems incredible that Somerville should have had no enlargement of police station accommodations in twenty-five years. In the near future we must remove the armory, so that the department can utilize the whole building. This will make it possible to provide appropriate prisoners' accommodations for women and for a matron, which the public is sure to demand.

### Curfew.

The last City Government adopted the Curfew Act, and already the warning bell notifies the children of the city that the place for them is in the house after 9 o'clock, unless attended by their parents or on an errand for them.

While this administration is in no wise responsible for the adoption of the ordinance, it is for us to see to it that it is enforced wisely and well, seeking the ends aimed at by the promoters of the measure. It is a law capable of genuine usefulness, though it may easily be made ridiculous. There can be no question as to the attitude of this administration under the circumstances.

### **Water Department.**

The year has been uneventful in the Water Department. Recent important changes in the service have given the city many advantages, equal, indeed, to any municipality in the country. At the beginning of the year we had about 28,000 feet of old cement-lined water main in the streets. This has been reduced to approximately 17,000 feet. By replacing those portions which have been longest in service with cast-iron pipe, we have succeeded in getting through the year with only one burst, and that caused no damage to property. In renewal of street mains, 11,896 feet of iron pipe has been laid during the year. In extending the water pipe system, we have laid 14,082 feet of iron pipe of various sizes. A twelve-inch main has been laid in Medford street, from School street, crossing the Boston & Maine Railroad bridge, and connecting the Winter-hill and Central-hill divisions of the high service system. A fire hydrant in Gilman square has been connected to this pipe, and a fire pressure of ninety-five pounds at the outlet is obtained therefrom. The circulation has been generally improved by ridding the system of thirteen dead ends, and twenty-four blow-offs have been constructed to assist in removing any sediment from the pipes. The total number of fire hydrants in the city is 897, an increase of twenty-seven during the year. Two hundred and thirty-five new house connections with the street mains and 8,850 feet of service pipe have been laid. A large amount of work has been done in anticipation of street improvements, such as the paving of Davis square, the proposed paving of Cross street, and the construction of various streets throughout the city, so that it will not be necessary, except for extraordinary requirements, to dig up the new pavements for water works purposes. The per capita consumption of water in the Metropolitan District has been increasing very rapidly, and while it has not as yet been found necessary to resort to restrictive measures, it seems advisable at this time to urge upon all water consumers the necessity of exercising care in the use of the water and in checking the enormous daily waste.

### **Watering Streets.**

Our citizens appreciate every effort to lay the dust, and it is worth while to consider whether it would not be a gain in this direction, as well as a great improvement in the beauty and fresh-

ness of private grounds, if an effort were made to encourage the well-nigh universal use of hand hose by reducing the price to each householder. Under the new charter, the watering of streets is placed under the Street Commissioner. The city is divided into twenty-five districts, averaging two miles of streets. The city owns a cart for each district, and lets the contract for each district to some competent person, who is required to keep the streets properly watered at all times, Sundays included. It is unfortunate that no provision can be made for the excessively dusty days out of season.

### Fire Department.

Some one has recently written of the "greatest army in the world—the firemen." These fire-fighters are as skillful, energetic, and heroic as any brigade that ever faced the fire of musketry or cannon. It is not mere good fortune that has for many years exempted Somerville from serious loss by fire. In no other department of the city's service is the great financial advantage of efficiency so readily seen. One great conflagration or the loss of a single life from inefficiency in training or inadequacy in equipment is unpardonable, and we have no cause for regret in these directions, and there must be no occasion for it in the future. That the citizens appreciate the quality of service and devotion of the faithful firemen was abundantly in evidence on election day, when, by a vote of more than two to one (2,785-1,375), it was voted to pension the firemen when they must retire from the service because of age.

To the Fire Department the business industries look for safety, the mechanic for the preservation of the factory where he earns his daily bread, and all the people look to the firemen for safety while they sleep. It is of the greatest importance that the firemen should be men who can be depended upon for promptness, as well as for wise and intelligent action in emergency. The deportment of our firemen is excellent. The apparatus should be the most serviceable kind, and adapted to our wants. Our city contains about 11,000 dwelling houses, and they are nearly all of wood, with shingled roofs. These houses are built on an area of less than 1,800 acres. The close proximity of buildings to each other adds to the fire hazard, and provides the conditions for a conflagration. The shingled roof is a public menace, and

such legislation as is necessary should be made to limit their construction. The acceptance of Chapter 267 of the Acts of 1898, authorizing the Mayor and Aldermen to pension firemen, necessitates the adoption of a rule limiting the age at which persons desiring to become members will be eligible; also an examination by the City Physician to ascertain the applicant's physical ability to perform the duties of a fireman. The apparatus of the department consists of three steam fire engines, six hose wagons, two combination chemical engines and hose wagons, one chemical engine, and two hook and ladder trucks. This apparatus is in excellent condition, with the exceptions here noted: Engine No. 1 has been in service seventeen years, and needs new axles, wheels, and general repairs. Engine No. 4 has been in service ten years; the boiler shows evidence of weakness, and other repairs are necessary. The boilers of steam fire engines are seldom serviceable after seven years when used with a heater. The Chief Engineer recommends that the city should have a spare engine, for these cogent reasons: First, the city is not reasonably safe without three steam fire engines constantly in service. When any repairs are required, then there are only two engines for service. Again, when there is a large fire, an additional engine would be a very valuable auxiliary. While it is true that we always have received assistance from nearby places in times of need, yet, to be good neighbors, we must return the favor when called upon, and we should so equip ourselves as not to jeopardize our own interests while assisting those who assist us. There will not be any expense in maintaining such an engine. The building occupied by Ladder No. 1 and Hose No. 3, situated on the corner of Washington and Prospect streets, is not adapted to house the apparatus necessary to the work required of to-day. The ladder truck should carry forty-foot ladders, but this cannot be done, owing to the shortness of the building. This station is also unhealthy and has not the comforts that are in the other stations. The sanitary conditions are inferior to those furnished to the other fire companies. The day is not distant when we must erect a new building in the immediate vicinity.

The total appropriation and receipts of the department were \$58,312, and the expenditures \$57,225.92, leaving an unexpended balance of \$1,086.08. During the past year there were 227 fire alarms. On the property burned and damaged there was

\$225,910 insurance, and the entire loss from fire and damage was \$54,280.50.

### **Department of Electric Lines and Lights.**

This department has the care of all electrical appliances used by the city, which includes the fire alarm, police signal, and all electric lights, bells, and telephone systems used in our schools and other public buildings; also the supervision of all poles, wires, and lights in the city.

#### **Street Lighting.**

This service has been extended during the year by the addition of twenty-eight arc and forty incandescent lights, making a total of 405 arc, 279 incandescent, and 121 Welsbach gas and naphtha lamps in use.

A contract has just been closed with the Electric Light Company by which it is hoped to greatly improve the service by the use of a lamp of greater lighting capacity.

#### **Fire Alarm Service.**

Eight new fire alarm boxes have been added, making a total of ninety-four boxes now in service. Several new boxes should be placed in the West Somerville district on account of the rapid growth in that part of the city. During the coming year the wires of this service should be placed underground, as every year brings more danger in storms from the increased number of high tension electric light wires, which make it very dangerous to the men who repair the fire alarm wires, as well as the risk of burning out the service and leaving the city unprotected, besides the expense of replacing apparatus so destroyed.

The police signal system is in good order. Three new boxes have been added, making a total of forty-eight boxes now in use.

#### **Eight Hours of Labor.**

By a vote of almost three to one (3,140—1,183) the citizens at a recent election voted that eight hours shall be a day's work for all laborers, workmen, and mechanics employed by the city. Every such indication of public interest in a



sympathy for laboring men has its influence on the relation of capital and labor in private life. It signifies much more to have a law adopted by so large a majority at a general election than to have the same end attained by a mere vote of the Board of Aldermen. The laborers are to be congratulated, but no more than the city, whose voters take so wholesome a view of the labor question. It is desirable that, so far as possible, the laborers endeavor to do the necessary work in the eight hours, that the strain upon the treasury be not greatly increased. It is claimed by the champions of an eight-hour day that men can accomplish practically as much work in eight hours as in nine. It will be interesting if this can be demonstrated in our city.

#### **Poor Department.**

The Overseers of the Poor are doing good work for the city, with unusual satisfaction to those who have been aided, because of the fact that they have now a proper place to care for those who need entire support. The City Home is a comfortable place, and the inmates, already numbering seventeen, are happy and contented. The expense for the past year has been a little more than former years. The income the past year, however, from the board of sundry persons, the sale of vegetables, and the sale of wood has amounted to about \$525, and it is expected that the amount will be very much larger during the year 1901. The board recommends that a shed be erected for the housing of wagons, carts, farming tools, etc., also a place for washing vegetables for the market, and for sawing and packing away wood. There have been aided during 1900 in all 1,468 persons; 318 different families were aided more or less in their homes. The city is now paying for the support of eighty-seven insane persons, an increase of nearly twenty during the year 1900. The total expenditure for the City Home and the miscellaneous accounts for the year was \$29,546.42. It is gratifying to know that while our poor people are well cared for, the cost is less in proportion to our population than any other city in the Commonwealth.

#### **Health of City.**

Somerville is to be congratulated that she is one of the most healthful places of residence in the state and country, and

for this no little credit is due the untiring efforts and incessant watchfulness of the Board of Health.

This board has the most miscellaneous mission of any department in the city, as will be seen from the statement that they have issued certificates to 149 peddlers; have granted licenses to keep 159 cows and refused 9; have licensed 14 stables and refused 15; have licensed 15 undertakers and refused one; given permits to keep 19 swine and refused one; licensed 11 persons to collect grease; have abated 996 nuisances; and have caused to be killed 41 diseased horses. The board has also had referred to it numerous cases of scarlet fever, diphtheria, and typhoid fever. It has also secured from the State Board of Health for use in Somerville 1,150 bottles of anti-toxin. Your attention is called to Chapter 511 of the Acts of 1894, which requires the erection of a contagious hospital whenever deemed necessary by the Board of Health. I deem it imperative that the Board of Aldermen take immediate action in this matter. Whatever the Board of Health suggests is sure to receive careful attention at the hands of the City Government.

#### **Sealer of Weights and Measures.**

The work of the Sealer of Weights and Measures has increased rapidly from year to year, until in 1899 the number of tests made by the inspector was 48,535, as compared with 5,624 in 1894. The office of the inspector being far removed from City Hall makes it very inconvenient for those doing business with this office. I would recommend that a suitable room in the basement of the City Hall Annex be provided, and that the cabinet containing standard weights and measures be removed from the City Messenger's office thereto.

#### **Law Department.**

Each year, as the city increases in population, the work of this department becomes greater and more important. Several highway accident cases have been settled out of court, and an equal number have been tried, the expense being about the same. The trustees of Tufts College have brought a suit for the recovery of taxes assessed in 1899 and paid under protest, and it is intimated that a similar suit will be brought regarding taxes assessed in 1900. The Boston & Albany railroad having been leased

to the New York Central & Hudson River Railroad Company, and the Fitchburg to the Boston & Maine, the petitions for the abolition of grade crossings at Somerville avenue, Medford, Dane, and Park streets and Webster avenue are in process of amendment. As this is a very important matter and requires careful consideration, I would advise the Board of Aldermen to definitely direct what action shall be taken by the City Solicitor. The railroad companies suggest delay, though offering to cooperate in harmony with the city, and, as many complications have arisen, there does not seem to be any chance for a number of years either that work will be begun or any outlay of money by the city be required. Attention has been called by the City Solicitor to Chapter 154 of the Acts of 1882, authorizing cities and towns to establish local boards of park commissioners, with certain powers in regard to the laying out and control of parks and parkways. This act must be accepted by the voters of the city before it can take effect. The city of Somerville has never accepted the act. Would it not be wise to either accept the act or petition the legislature that the City Government be given the same authority which such local boards of park commissioners now enjoy? The apportionment made five years ago for the expenses of the Metropolitan park district among the various cities and towns has been set aside by the legislature and a new apportionment made by which Somerville is called upon to pay about \$6,000 less each year.

#### **Public Grounds and Boulevards.**

The public grounds and parks of the city have been maintained at a very small expense compared with the benefit derived by the people. Park police have been provided on the principal grounds throughout the year, and during the winter ponds maintained for skating. The water tower that was located on the top of Spring hill has been removed, and the area converted into a small pleasure park. An appropriation has been made for purchasing the remaining land for Prospect-hill park, and this, when laid out in the future, will add greatly to the city's park system. The athletic field at Lincoln park has been in constant use through the season for ball games and other sports. A new running and bicycle track has been constructed, and an outdoors gymnasium is to be added. The city's lot at the corner of Broadway and Cedar street has been partially graded and can be com-

pleted the coming spring, giving that section of the city a long-desired playground. A section of the Tufts College field lying between Broadway and the new Powder-house boulevard is to be enclosed for an athletic field under the control of the city, and when completed Somerville will have the best athletic fields in this vicinity. The Powder-house boulevard has been extended from North street along the easterly line of Alewife brook to the Medford line, at an expense of about \$12,000, and it will require an expenditure of \$8,000 for completion in surfacing the roadway, lighting, and planting trees. This will give the city within its limits a handsome boulevard a mile and a quarter long, with a total width of eighty feet, the driveway being forty feet wide, connecting directly with the Mystic valley boulevard of the Metropolitan park system. The total area in the city maintained as parks and playgrounds amounts to fifty-two acres, and the cost of maintenance for 1900 has been \$10,500, which includes the cost of grading at Lincoln park and the city farm field.

#### **Playgrounds.**

Attention has been called in our local journals to the necessity of small playgrounds in those communities not provided for by the large parks and athletic fields. Wherever such a playground is needed there can be found usually a vacant lot for rent or purchase at slight cost. Desirable as are the athletic fields in the more thickly populated districts, no section should be left wholly unprovided for by the city. Most of the annoyances now complained of because private grounds are invaded by frolicsome and mischievous boys would thus be avoided.

#### **Connecting Fells and Fens.**

Somerville has much to hope for from the ultimate connection of the fells and the fens. The Metropolitan park district has two beautiful systems, neither of which is nearly as attractive or as serviceable to the public as it would be if they were connected, and there is no connection that would not open and develop important districts in Somerville and Cambridge. Every argument is in favor of this boulevard connection, and there is nothing of weight to be said against it; hence, it is the duty of the Somerville City Government, and of every influence in the city to make heroic effort to secure the needed legislative action.

### **A Beautiful City.**

No city of Massachusetts is so favored by nature for beauty of situation. The women have recognized the advantage of our seven hills in their honored name—Heptorean. These hills lend themselves to beauty of residence and public buildings as do the hills of few other municipalities. Two of these are already beautiful beyond description. College hill, already crowned with noble buildings, offers rare opportunities for beautiful homes, and the new boulevard will open up as attractive sites as there are in the Metropolitan district, and Central hill has as beautiful a group of buildings erected at public expense as is to be seen in New England. Something should be done to protect the surroundings of this natural historic monument from the defacement of inappropriate tenement houses. When the time shall come for the city to erect on the site of the breastworks of 1775 an armory for the gallant youth who hold themselves ready for military service at home or abroad, in the new world or in the old, a building in which may be preserved the treasures of the Somerville historical society and an appropriate home for the veterans of the Civil War, Central hill will be matchless in beauty and in associations, combining as it will the memories of three important wars, as well as our civic, educational, and library institutions. When I am more familiar with the resources and other demands upon the treasury, I may send a special message regarding the erection of an armory.

### **A Convenient City.**

No municipality can have more important relations to the railroad and street car service than Somerville. Our steam railroad corporations have twelve stations, largely for the accommodation of our citizens, while the street railway corporation has some twenty lines of cars, with so many opportunities for transfer that a five-cent fare will take one to any place of public interest, and to almost any part of the Metropolitan district. There is scarcely a residence in Somerville that is more than five minutes' walk from some one of these lines of cars. The past year has seen greater extension of this service within our borders than ever before. When the cars are run from Winter hill and East Somerville to Union square and Harvard square, the system will be wellnigh perfect. It is probably true that the percentage of citi-

zens that use steam and street railways is greater in Somerville than in any other city in the country. In this connection it is interesting to note that the corporation that furnishes our citizens with these conveniences pays us more than \$45,000 in taxes, aside from all other expenditures within the city. Several hundred of the employees reside in our midst, as do some of the leading officials.

### **Railways, Bridges, Paving.**

The Boston Elevated Railway Company has laid double tracks in Broadway, from the top of Winter hill to Clarendon hill, and from North street to Alewife brook and the Arlington line. Pearl and Medford streets have been double-tracked from Cross street to Magoun square, and College avenue and a portion of Boston avenue, also Davis square, a length of 31,600 feet, making a total of 28.8 miles of electric railway track within the city limits. In connection with the laying of these tracks on Boston avenue, a new bridge has been constructed over the Mystic river, between Somerville and West Medford, costing about \$18,000, the two cities and the railroad company bearing the expense. The structure is a granite arch bridge, 120 feet long, 58 feet wide, with a span of 60 feet over the river. The roadway is 40 feet wide, and the sidewalks are each 8 feet in width. The foundations were built of concrete masonry, and the outside of the wing walls—arch, coping, and pilasters—are of rock-faced granite. The designing and supervision of construction was done by our City Engineer. The double track location on Broadway at Alewife brook necessitated the widening of the old bridge between Somerville and Arlington. The stone arch was extended westerly about twenty-four feet and wing walls constructed, making the street sixty-five feet wide, to conform with similar work of improvement done by the town of Arlington. The grade of the street was raised about two and one-half feet at the bridge. Davis square has been paved with vitrified brick, at a cost of about \$9,000, exclusive of the space occupied by the double-track location, which has been paved at the railway company's expense, to correspond with the city's work. The grade of Gilman square has been changed by cutting down the old surface in the centre and flattening the slope, thereby making travel less dangerous in this section during cold weather.

An examination of the work done by the City Engineer's Department the past year has already led me to appreciate the value of the expert skill and businesslike management of the department, affecting, as it does, the highway and sewer departments, as well as all construction work and improvements in connection with the boulevards, railway extensions, and building of bridges.

#### **Soldiers.**

Somerville has held an enviable reputation, both because of the character of her volunteers that responded in the Spanish war, and of the number and character of the men who represented her in the great Civil War. That the city appreciates the services of these heroes is shown by the fact that more than a third of a century after the close of the Civil War she is paying \$15,406.49 out of her own treasury to lighten the burdens of these veterans, in addition to the \$12,214.50 which the state has paid these same veterans through the city officials.

#### **Schools.**

During the year two six-room schoolhouses were built, one on Bolton street, Ward 2, and one on Willow avenue, Ward 6, which will be ready for occupancy before September. The plans for these buildings were made in the office of the Commissioner of Public Buildings. For the first time in the history of our city, architectural plans have been provided by an expert in the regular employ of the city, and the quality of the work, as well as economy, justifies this departure. Of course, schoolhouses must be built and furnished, for no child must be left without the opportunity to obtain an education, even if we are obliged to sacrifice other improvements. Other interests can wait, but the education of the youth must not be neglected. The management of our schools is in the hands of a committee elected by the people, who under our charter have full and absolute charge. The retaining for a series of years of faithful and able men upon our School Board has been one reason why Somerville has such an enviable reputation on all matters pertaining to her different educational institutions. The increase in the number of wards has brought to the Board some younger men than have ever served the city in this capacity, and into the educational councils recent graduates of our schools; their loyalty and in-

terest were well manifested by their choice of the name—George L. Baxter, their faithful teacher—for the new building in Ward 2. When you consider the time and patient endeavor on the part of the School Committee, given freely and without compensation, for no other purpose than to aid and assist in the upbuilding of the youth of our city and training them for the battle of life, so that the future may be an improvement upon the past, we ought to give careful thought and consideration to recommendations coming from such a reliable source.

During the year the heating and sanitary arrangements of the Knapp school have been entirely changed. Steam has replaced furnace heat, the ventilation has been perfected, and modern closets have been provided. The advantages of these changes more than justify the expenditure required.

The Pope school was thoroughly fumigated and cleansed, and during the summer vacation a complete change in the sanitary department of the building was made, the most modern conveniences being provided. As far as it may affect the health of its occupants, the building is beyond criticism.

The English High schoolhouse is built to accommodate 600 pupils. Since September 776 pupils have been registered, and the membership at the present time is 728. To accommodate these, the lecture hall has been converted into classrooms; the original recitation rooms have all disappeared. One of the laboratories is used as a classroom. Clothes closets have been utilized for recitation purposes. Notwithstanding this congestion, the work of the school has gone steadily forward, but it has been at the expense of the comfort and convenience of teachers and pupils. In September of another year, according to the pretty well established law of increase, the membership will be 760. This number will doubtless be stowed away in the building, even if stairways and corridors are brought into requisition, but surely something better should be provided.

The Latin school received 100 freshmen in September. This experience will probably be repeated in 1901. If so, the capacity of the building will be exceeded. At least 200 pupils more than the present buildings can accommodate will then demand high school privileges, but the question is larger than the simple one of seating pupils. Facilities for doing the work well are lacking. The Latin school is now without laboratories and li-



brary, and in need of requisites for teaching by the most modern methods. The English school has no recitation rooms, is restricted in its growing business department, and in the drawing and manual training section, while special rooms are required if the best work is to be done in science, or if provision is to be made for all features of the present course of study.

### **Manual Training and Domestic Science.**

Every town and city of 20,000 or more inhabitants, by Public Statute, is required to maintain as part of both its elementary and its high school system the teaching of manual training. Somerville has not as yet complied with this law in regard to elementary schools. There is no penalty for violation, and, for that reason, the city cannot be forced to comply. The teaching of cooking is authorized by law, but not made compulsory. The request for compliance with the letter and spirit of the law comes from numerous organizations representing the most intelligent class of women in the city, such as:—

- The Heptorean Club.
- Daughters of Maine Club.
- Daughters of the American Revolution.
- Daughters of the Revolution.
- Woman's Suffrage League.
- Coenonia Club.
- Browning Club.
- Forthian Club.
- Hillside Club.
- Woman's Christian Temperance Union.

The interest manifested by so many organizations certainly demands attention, and no purely economical view of the situation should be allowed to thwart the laudable purposes of those who have so much at stake in this matter.

### **Somerville Hospital.**

The Somerville Hospital continues its good work, and the people show their interest by liberal contributions when called upon for some special occasion, but I fear we do not realize that every day brings with it something special, and that the necessity for help is constant. A hospital with a proper standard must be prepared for every kind of emergency. That our hospital is do-

ing this just as far as its limited means will allow we had evidence of last July, when fifteen patients were received from the oil tank explosion on the Boston & Maine Railroad, and, although no notification was sent in advance, in less than ten minutes the doctors were in attendance, the night corps of nurses was twice doubled from the day force, thus giving the poor sufferers prompt relief. Six of these cases were fatal. There is an average of over 100 per month free treatments given to the patients who come to the hospital requiring medical advice or who have minor surgical injuries, a very necessary and helpful charity. To these who realize the responsibility of good citizenship it must be a comfort and a pride to know that there is a place always ready for the relief of the sick and injured. Under our charter the Board of Aldermen may appropriate money from time to time in aid of the Somerville Hospital; therefore I would advise the continuance of the appropriation of last year, and that the money collected by the city from the state, cities, and towns for the care of their sick be also paid to the Somerville Hospital.

#### **Public Library.**

The past year has marked an epoch in the history of the Library. The completion of the annex furnished an equipment that enables the management to carry out some long-cherished plans, and to adopt newer and more progressive methods. A few of the improvements which this new annex has made possible have been:—

- A newspaper room.
- An art room.
- An exhibit room.
- A magazine and periodical room.
- A children's room.

There has been an unusual increase in the business of the Library during the past twelve months, and its growth in circulation has been remarkable. This is especially true of its children's department. This, as a distinct department, is of very recent origin, but it has already grown to such an extent that a larger number of books is given out from its children's room than from any other children's room in the state. A school department has also been organized in the Library, with a special librarian at its head, with the object of bringing the schools and the Li-

brary into closer co-operation, and of placing the resources of the Library more effectively at the disposal of the schools.

Owing to the great and sudden increase of its business and the broadening of its work, the needs of the Library at the present time are great and urgent. A Public Library is established primarily for the dissemination of books. This purpose cannot be accomplished by our Public Library satisfactorily without a much larger equipment. Its greatest need is a vastly increased number of books. The Library contains only about 40,000 books available for general circulation. When it is remembered that its monthly circulation is liable to exceed 30,000, it will be seen how very inadequate is its supply of books. The inadequacy of this supply is most apparent in the children's room. This room contains 4,000 books. Its circulation is 3,000 a week. Often there is not much above 1,000 books left on the shelves. This supply should be doubled, and doubled at once. A very largely increased number of general books, chiefly duplicates of books already on the shelves, should be added to the Library. An appropriation of \$15,000 is imperative if the Library is to satisfy the demands put upon it by the public. This sum would be much less than is appropriated for many other public libraries doing a smaller business. The unfinished wing of the Library should be completed in the near future. When this is done, the public should be allowed free access to all the books in the Library.

### **The Passing of the Century.**

This is the dawn of a new century. Looking back over the vista of years covering the nineteenth century, what a wonderful change has taken place in men and in methods.

At the beginning of the nineteenth century we were recovering from the effects of the Revolution, had just thrown off the yoke of tyranny and oppression, and, like the toddling infant, were struggling with what little strength we had to catch the step and begin that upward and onward march to prosperity and power that culminated in the last years of the century. Is it possible that "from a beginning so feeble, so frail, so worthy, not so much of admiration as of pity, there has gone forth a progress so steady, a growth so wonderful, a reality so important, a promise yet to be fulfilled, so glorious."

Step by step, slowly but surely, our country, rising trium-

phant from the effects of the Revolution, has in this century that is now numbered in the past increased in wealth and population, in power and in strength, in influence and example, until, as God's chosen people, we see to-day a nation of over 70,000,000 of freemen, strong, vigorous, enterprising, and philanthropic, spreading its power, influence, and example even to the uttermost parts of the world. Our flag now floats in distant and far-off tropical countries, and the influence of our example is felt and recognized in every country on the entire globe. The sun of prosperity, contentment, and happiness rises resplendent with this twentieth century and casts its beneficent rays and influence upon a nation of freemen, educated, patriotic, faithful, loyal, and true, prosperous beyond the dream of avarice, and destined in the years that lie before us ere we reach the next century to even eclipse the marvelous growth and advancement which has been the wonder of the world.

It is wise, perhaps, to pause in our contemplation of the present and look backward, gaining knowledge and education from experience which will equip us for the work that is in store for us. But only for that knowledge and example do we turn our eyes to the distant past. Webster has said, "The past is secure," and so it is, and cannot be changed. All that is good, we cherish, and all that is bad, we abhor; and, learning by the past, we turn our eyes and minds to the future, and wonder if it be possible to achieve a record equally profitable.

As with our country, so with our beloved city of Somerville. It is with pride that we contemplate her glorious past and wonder at the marvelous strides she has made since "Webb Cowett and Squaw Sachem, in 1639, sold unto the inhabitants of the town of Charlestown all the land within the lines granted them by the court for twenty and one coats, nineteen fathoms of wampum, and three bushels of corne."

A few short years after the landing of the Pilgrims from "that one solitary adventurous vessel, the Mayflower of a forlorn hope," adventurous and enterprising men, appreciating the location and looking for a home, sought this desirable spot, and, sailing up the waters of the Mystic, established here the first settlement and laid the foundation upon which has been constructed this beautiful and rapidly growing city. These surroundings were early appreciated, for no less a personage than Governor Winthrop chose here his dwelling place, and on the banks of that

same calm and placid Mystic made his home. "This was the Governor's farm, where he built, lived, planted, raised cattle, and launched the first ship in Massachusetts, 'The Blessing of the Bay,' July 4, 1631." Ten Hills Farm still retains the name given to it in those good old days long since departed, though no vestige of farm or house now remains to mark the dwelling place of Governor Winthrop. Until recently on this site stood an old mansion, built in 1740, in whose wide halls and vaulted chambers I have passed many happy hours in schoolboy days. In recent years we have been careful to retain and preserve historic landmarks, and I sincerely hope that the march of improvement and modern advancement will not remove those places of historic interest, alas, too few, still remaining.

In 1842 we became a town; in 1872 a city; and it is with the city that we have to do to-day. From the lamented Brastow to the enterprising and successful business mayor of 1900, our city has been governed by superior men. The foundation was laid sound and deep, and administration after administration has added its own element of strength, forming a fabric of government which has been appreciated year by year, until to-day we find our city one of the best governed and best regulated cities in this good old Commonwealth. With our miles and miles of streets, sewers, and sidewalks, with our fire and police departments, our parks and boulevards, our institutions of learning, and every branch of government well governed and well managed, we accept the trust reposed in us by our fellow-citizens, and, with an eye single to the best interests of our city, pledge our best efforts to keep and to hold to the economic management of affairs, at the same time appreciating the fact that with the advance of time and the march of improvement, progression must go on if we desire to keep in the race of events.

Let us meet all questions of finance and expenditure with a modern and progressive spirit, keeping ever in mind that every department must be efficient, and that when money is appropriated and spent, value received must be obtained.



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

Treasurer's Office, February 1, 1901.

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

Gentlemen,—The undersigned presents herewith the twenty-ninth annual report of the financial condition of the city, and a statement showing, in detail, the receipts and disbursements for the year ending December 31, 1900.

### Public Property.

The value of the public property of the city December 31, 1899, was \$2,895,243.14. The property acquired during the year was as follows:—

Fire Department, Fire Apparatus for Ladder Two Station . . . . .	\$3,030 00
Fire Department, Fire Station No. 1 . . . . .	702 75
Public Library Addition . . . . .	7,074 27
Schoolhouse, Charles G. Pope, Improvements . . . . .	1,898 39
Schoolhouse, Forster, Improvement . . . . .	15,033 88
Schoolhouse in or near Ward Seven . . . . .	15,004 27
Schoolhouse in Ward Two . . . . .	18,131 09
Schoolhouse, O. S. Knapp, Improvements . . . . .	7,971 48
Schoolhouse, Ward Two . . . . .	1,362 59
Water Works Extension . . . . .	24,927 06

Total amount of property acquired during the year . . . . .	\$95,135 78
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Making the value of the public property December 31, 1900, as per Table A, \$2,990,378.92.

### Funded Debt.

The funded debt December 31, 1899, as per Table B of the last annual report, was \$1,492,500.

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

Schoolhouse in Ward Two . . . . .	\$40,000 00
Schoolhouse in or near Ward Seven . . . . .	45,000 00
Schoolhouse, O. S. Knapp, Improvements . . . . .	8,000 00
Schoolhouse, Charles G. Pope, Improvements . . . . .	2,000 00

Amount carried forward . . . . .	\$95,000 00
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Amount brought forward . . . . .	\$95,000 00
Fire Department, Fire Apparatus for Ladder Two Station . . . . .	3,000 00
Highways, Boston-avenue Bridge . . . . .	6,500 00
Highways, Paving Davis Square . . . . .	3,500 00
Powder-House Boulevard . . . . .	12,000 00
Public Grounds, Land for Park Purposes . . . . .	12,000 00
Sidewalks Construction . . . . .	8,000 00
Renewals of Funded Debt . . . . .	12,000 00
Total amount of appropriations on Funded Debt account . . . . .	<u>\$152,000 00</u>

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

City Loan Bonds Nos. 2626 to 2637, payable 1901, interest 3½ per cent. . . . .	\$12,000 00
City Loan Bonds Nos. 2638 to 2649, payable 1902, interest 3½ per cent. . . . .	12,000 00
City Loan Bonds Nos. 2650 to 2661, payable 1903, interest 3½ per cent. . . . .	12,000 00
City Loan Bonds Nos. 2662 to 2673, payable 1904, interest 3½ per cent. . . . .	12,000 00
City Loan Bonds Nos. 2674 to 2685, payable 1905, interest 3½ per cent. . . . .	12,000 00
City Loan Bonds Nos. 2686 to 2695, payable 1906, interest 3½ per cent. . . . .	10,000 00
City Loan Bonds Nos. 2696 to 2705, payable 1907, interest 3½ per cent. . . . .	10,000 00
City Loan Bonds Nos. 2706 to 2715, payable 1908, interest 3½ per cent. . . . .	10,000 00
City Loan Bonds Nos. 2716 to 2725, payable 1909, interest 3½ per cent. . . . .	10,000 00
City Loan Bonds Nos. 2726 to 2735, payable 1910, interest 3½ per cent. . . . .	10,000 00
City Loan Bonds Nos. 2736 to 2740, payable 1911, interest 3½ per cent. . . . .	5,000 00
City Loan Bonds Nos. 2741 to 2745, payable 1912, interest 3½ per cent. . . . .	5,000 00
City Loan Bonds Nos. 2746 to 2749, payable 1913, interest 3½ per cent. . . . .	4,000 00
City Loan Bonds Nos. 2750 to 2753, payable 1914, interest 3½ per cent. . . . .	4,000 00
City Loan Bonds Nos. 2754 to 2757, payable 1915, interest 3½ per cent. . . . .	4,000 00
City Loan Bonds Nos. 2758 to 2761, payable 1916, interest 3½ per cent. . . . .	4,000 00
City Loan Bonds Nos. 2762 to 2765, payable 1917, interest 3½ per cent. . . . .	4,000 00
City Loan Bonds Nos. 2766 to 2769, payable 1918, interest 3½ per cent. . . . .	4,000 00
City Loan Bonds Nos. 2770 to 2773, payable 1919, interest 3½ per cent. . . . .	4,000 00
City Loan Bonds Nos. 2774 to 2777, payable 1920, interest 3½ per cent. . . . .	4,000 00
Total amount of bonds issued in 1900 . . . . .	<u>\$152,000 00</u>



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

City Loan Bonds Nos. 1629 to 1637, interest 4 per cent. . . . .	\$9,000 00
City Loan Bonds Nos. 1810 to 1827, interest 4 per cent. . . . .	18,000 00
City Loan Bonds Nos. 2088 to 2097, interest 4 per cent. . . . .	10,000 00
City Loan Bonds Nos. 2245 to 2255, interest 4 per cent. . . . .	11,000 00
City Loan Bonds Nos. 2376 to 2386, interest 4 per cent. . . . .	11,000 00
City Loan Bonds Nos. 2516 to 2523, interest 4 per cent. . . . .	8,000 00
City Loan Bonds Nos. 1093 to 1102, interest 4 per cent. . . . .	10,000 00
City Loan Bonds Nos. 1139 to 1142, interest 4 per cent. . . . .	4,000 00
City Loan Bonds Nos. 1203 to 1208, interest 4 per cent. . . . .	6,000 00
City Loan Bonds Nos. 1469 to 1492, interest 4½ per cent. . . . .	24,000 00
City Loan Bonds Nos. 1304 to 1313, interest 4 per cent. . . . .	10,000 00
City Loan Paving Bonds Nos. 36 to 40, interest 4 per cent. . . . .	5,000 00
Sewer Loan Bond No. 59, interest 4 per cent. . . . .	1,000 00
Sewer Loan Bond No. 176, interest 4 per cent. . . . .	1,000 00
Sewer Loan Bond No. 200, interest 4 per cent. . . . .	1,000 00
Sewer Loan Bond No. 42, interest 4½ per cent. . . . .	1,000 00
Sewer Loan Bonds Nos. 90 to 93, interest 4 per cent. . . . .	4,000 00
Water Loan Bonds Nos. 183 to 195, interest 5 per cent. . . . .	12,500 00
Water Loan Bond No. 289, interest 4 per cent. . . . .	1,000 00
Water Loan Bond No. b451, interest 4 per cent. . . . .	1,000 00
Water Loan Bonds Nos. 200 to 202, interest 4 per cent. . . . .	3,000 00
Water Loan Bonds Nos. 343 to 344, interest 4 per cent. . . . .	2,000 00
Water Loan Bonds Nos. 416 to 417, interest 4 per cent. . . . .	2,000 00
Water Loan Bonds Nos. a448 to a458, interest 4 per cent. . . . .	11,000 00
<hr/>	
Total amount of bonds paid during the year . . . . .	\$166,500 00

Leaving the net funded debt December 31, 1900, as per Table B, \$1,478,000, classified as follows:—

City Loan Bonds bearing interest at 3½ per cent. . . . .	\$152,000 00
City Loan Bonds bearing interest at 4 per cent. . . . .	820,000 00
City Loan Bonds bearing interest at 4½ per cent. . . . .	89,000 00
City Loan Sewer Bonds bearing interest at 4 per cent. . . . .	139,000 00
City Loan Sewer Bonds bearing interest at 4½ per cent. . . . .	11,000 00
City Loan Paving Bonds bearing interest at 4 per cent. . . . .	60,000 00
Water Loan Bonds bearing interest at 4 per cent. . . . .	197,000 00
Water Loan Bonds bearing interest at 5½ per cent. . . . .	10,000 00
<hr/>	
Total Funded Debt, City Loan . . . . .	\$1,131,000 00
Total Funded Debt, Water Loan . . . . .	207,000 00
Total Funded Debt, Paving Loan (outside legal limit) . . . . .	60,000 00
Total Funded Debt, Sewer Loan (outside legal limit) . . . . .	80,000 00
<hr/>	
	\$1,478,000 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 \$52,578,200, and the rate of taxation was \$16.00 on each \$1,000 valuation, as follows:—

Real Estate, valuation . . . . .	\$47,430,000 00	
Personal Estate, valuation . . . . .	5,148,200 00	
	<hr/>	
Total valuation . . . . .	\$52,578,200 00	
At a rate of \$16.00 on \$1,000 valuation . . . . .		\$841,251 20
Polls, 16,848 at \$2.00 . . . . .		33,696 00
Street Watering . . . . .		14,968 88
		<hr/>
Total amount of tax levy . . . . .		\$889,916 08
Borrowed on Funded Debt account to provide for cost of public improvements and renewals of debt . . . . .		152,000 00
Water Works Income . . . . .		223,367 57
National Bank and Corporation Taxes, applied to Police . . . . .		27,161 93
Court fees, fines, etc., applied to Police . . . . .		3,545 51
County of Middlesex, dog licenses, applied to Public Library . . . . .		3,257 45
Excess and Deficiency account, applied to Street Lights . . . . .		36,991 52
Street Railway Tax for the year 1900, applied to Highways Construction . . . . .		10,000 00
Street Railway Tax for the year 1900, applied to Highways Maintenance . . . . .		55,776 28
		<hr/>
Total amount of resources . . . . .		\$1,402,016 34

### Assets and Liabilities.

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

Deficiency of appropriations from Funded Debt account:—

Highways, Paved Gutters, and Crossings . . . . .	\$8,302 44	
Highways, Boston-avenue Bridge . . . . .	2,292 32	
Highways, Paving Davis Square . . . . .	316 80	
Public Library . . . . .	8 01	
	<hr/>	\$10,919 57
Cash . . . . .	\$103,858 87	
Metered Water Charges . . . . .	13,599 10	
Highway Betterment Assessments . . . . .	931 99	
Real Estate Liens . . . . .	2,740 09	
Sewer Assessments . . . . .	11,459 83	
Sidewalk Assessments . . . . .	10,941 63	
State of Massachusetts, Soldiers' Burials . . . . .	420 00	
State of Massachusetts, Military Aid . . . . .	341 50	
State of Massachusetts, State Aid . . . . .	11,254 00	
Taxes . . . . .	374,729 29	
	<hr/>	530,276 30
		<hr/>
Total amount of assets . . . . .		\$541,195 87

Excess of appropriations from Funded Debt account:—

Fire Department, Fire Station No. 1 . . . . .	\$297 25	
Fire Department, Fire Apparatus for Ladder Two Station . . . . .	2 72	
	<hr/>	
Amount carried forward . . . . .	\$299 97	

Amount brought forward . . . . .	\$299 97	
Highways Construction . . . . .	1,123 73	
Highways Maintenance . . . . .	40,402 45	
Highways, Paving Cross Street . . . . .	12,000 00	
Highways, Paving Washington Street . . . . .	212 46	
Powder-House Boulevard . . . . .	687 78	
Public Grounds, Land for Park Purposes . . . . .	1,500 00	
Public Grounds, Athletic Field, Ward Seven . . . . .	3,000 00	
Public Grounds, Athletic Apparatus . . . . .	1,000 00	
Public Grounds, Land on Prospect Hill for Park Purposes . . . . .	15,000 00	
Public Library Addition . . . . .	133 76	
Schoolhouse, O. S. Knapp, Improvements . . . . .	28 52	
Schoolhouse in or near Ward Seven . . . . .	21,995 73	
Schoolhouse, Charles G. Pope, Improvements . . . . .	101 61	
Schoolhouse, Highland, Sanitary Improvement . . . . .	21 36	
Schoolhouse in Ward Two . . . . .	14,368 91	
Sewers Construction . . . . .	15,456 99	
Sidewalks Construction . . . . .	669 03	
Support of Poor, Almshouse . . . . .	5,732 25	
	<hr/>	\$133,734 55
Overplus on Tax Sales . . . . .	\$868 13	
Overlay and Abatement . . . . .	15,964 11	
Sundry Persons . . . . .	25,586 10	
Temporary Loans . . . . .	350,000 00	
Isaac Pitman Fund, Poetry . . . . .	1,000 00	
Isaac Pitman Fund, Art . . . . .	4,000 00	
	<hr/>	397,418 34
Total amount of liabilities . . . . .		\$531,152 89
Excess of available assets over liabilities . . . . .		10,042 98
		<hr/>
		\$541,195 87
		<hr/> <hr/>
Total cash receipts for the year, including a balance of \$71,312.12 from the year 1899 . . . . .		\$2,237,084 95
Total cash disbursements . . . . .		2,133,226 08
		<hr/>
Balance in the treasury . . . . .		\$103,858 87

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, 1900.

Central Hill land (13 acres, 5,032 feet) . . . . .		\$200,000 00
City Hall . . . . .	\$40,662 73	
Furniture . . . . .	10,000 00	
		50,662 73
Public Library building . . . . .	30,967 58	
Public Library . . . . .	25,000 00	
		55,967 58
City Hall Annex . . . . .		21,587 43
Latin High Schoolhouse . . . . .	52,000 00	
Furniture . . . . .	3,500 00	
Philosophical apparatus . . . . .	500 00	
		56,000 00
English High Schoolhouse . . . . .	129,579 39	
Furniture . . . . .	5,000 00	
Philosophical and manual training apparatus . . . . .	7,000 00	
		141,579 39
Prescott Schoolhouse, land (21,444 feet) and building . . . . .	45,000 00	
Furniture . . . . .	2,000 00	
		47,000 00
Luther V. Bell Schoolhouse, land (23,396 feet) and building . . . . .	45,000 00	
Furniture . . . . .	2,000 00	
		47,000 00
Forster Schoolhouse, land (27,499 feet) and buildings . . . . .	79,462 84	
Furniture . . . . .	3,175 00	
		82,637 84
Morse Schoolhouse, land (29,109 feet) and building . . . . .	45,000 00	
Furniture . . . . .	2,000 00	
		47,000 00
Edgerly Schoolhouse, land (26,428 feet) and building . . . . .	45,000 00	
Furniture . . . . .	2,000 00	
		47,000 00
Highland Schoolhouse, land (23,260 feet) and building . . . . .	53,300 84	
Furniture . . . . .	2,000 00	
		55,300 84
Charles G. Pope Schoolhouse, land (27,236 feet) and building . . . . .	61,898 39	
Furniture . . . . .	2,000 00	
		63,898 39
Amount carried forward . . . . .		\$915,634 20

Amount brought forward . . . . .		\$915,634 20
William H. Hodgkins Schoolhouse, land (35,034 feet) and building . . . . .	58,289 34	
Furniture . . . . .	2,500 00	
	<hr/>	60,789 34
George L. Baxter Schoolhouse . . . . .		18,131 09
Martin W. Carr Schoolhouse, land (14,850 feet) and building . . . . .	63,921 03	
Furniture . . . . .	3,000 00	
	<hr/>	66,921 03
Jacob T. Glines Schoolhouse, land (28,800 feet) and building . . . . .	71,560 71	
Furniture . . . . .	2,100 00	
	<hr/>	73,660 71
O. S. Knapp Schoolhouse, land (24,517 feet) and building . . . . .	56,228 15	
Furniture . . . . .	2,000 00	
	<hr/>	58,228 15
Bingham Schoolhouse, land (21,017 feet) and building . . . . .	36,506 87	
Furniture . . . . .	1,400 00	
	<hr/>	37,906 87
Sanford Hanscom Schoolhouse, land (12,756 feet) and building . . . . .	43,632 19	
Furniture . . . . .	900 00	
	<hr/>	44,532 19
Davis Schoolhouse, land (38,152 feet) and building . . . . .	25,000 00	
Furniture . . . . .	700 00	
	<hr/>	25,700 00
George W. Durell Schoolhouse, land (13,883 feet) and building . . . . .	16,179 10	
Furniture . . . . .	700 00	
	<hr/>	16,879 10
Cummings Schoolhouse, land (11,300 feet) and building . . . . .	15,000 00	
Furniture . . . . .	700 00	
	<hr/>	15,700 00
Prospect-hill Schoolhouse, land (25,315 feet) and building . . . . .	20,000 00	
Furniture . . . . .	1,000 00	
	<hr/>	21,000 00
Lincoln Schoolhouse, land (17,662 feet) and building . . . . .	14,000 00	
Furniture . . . . .	700 00	
	<hr/>	14,700 00
Jackson Schoolhouse, land (11,212 feet) and building . . . . .	8,000 00	
Furniture . . . . .	600 00	
	<hr/>	8,600 00
Bennett Schoolhouse, land (20,560 feet) and building . . . . .	10,000 00	
Furniture . . . . .	600 00	
	<hr/>	10,600 00
Harvard Schoolhouse, land (9,810 feet) and building . . . . .	3,500 00	
Furniture . . . . .	100 00	
	<hr/>	3,600 00
Amount carried forward . . . . .		<hr/> \$1,392,582 68

Amount brought forward . . . . .		\$1,392,582 68
Franklin Schoolhouse, land (33,017 feet) and building . . . . .	15,000 00	
Furniture . . . . .	600 00	
	<hr/>	15,600 00
Schoolhouse in or near Ward Seven . . . . .		15,004 27
Spring-hill Schoolhouse, land (4,991 feet) and building . . . . .	1,500 00	
Furniture . . . . .	100 00	
	<hr/>	1,600 00
Burns Schoolhouse, land (16,080 feet) and building . . . . .	33,980 87	
Furniture . . . . .	1,400 00	
	<hr/>	35,380 87
Albion A. Perry Schoolhouse, Washington street, land (46,080 feet) and building . . . . .	38,780 00	
Furniture . . . . .	814 00	
	<hr/>	39,594 00
City Farm, land (10 acres, 12,523 feet) . . . . .		40,000 00
Cedar-street Schoolhouse . . . . .	700 00	
Furniture . . . . .	100 00	
	<hr/>	800 00
City stables and dwelling houses . . . . .		28,322 00
Equipments for highway repairs . . . . .		21,690 00
Watering carts and sheds . . . . .		5,000 00
No. 1 Fire Station, land (8,279 feet) and building . . . . .	27,755 68	
Engine No. 2 and apparatus . . . . .	4,000 00	
Hose wagon No. 1 and apparatus . . . . .	1,500 00	
Furniture . . . . .	400 00	
	<hr/>	33,655 68
No. 2 Fire Station, land (5,400 feet) and building . . . . .	8,000 00	
Furniture . . . . .	400 00	
Hose wagon No. 2 and apparatus . . . . .	1,500 00	
	<hr/>	9,900 00
No. 3 Fire Station, land (5,226 feet) and building . . . . .	9,000 00	
Furniture . . . . .	400 00	
Hose wagon No. 3 and apparatus . . . . .	1,500 00	
Hook and ladder truck and apparatus . . . . .	3,400 00	
	<hr/>	14,300 00
No. 4 Fire Station, land (9,100 feet) and building . . . . .	19,054 42	
Furniture . . . . .	400 00	
Engine No. 4 and apparatus . . . . .	4,000 00	
Combination wagon and apparatus . . . . .	2,500 00	
	<hr/>	25,954 42
No. 5 Fire Station, land (39,456 feet) and building . . . . .	16,000 00	
Furniture . . . . .	400 00	
Hose wagon No. 5 and apparatus . . . . .	1,500 00	
	<hr/>	17,900 00
Hook and Ladder Station No. 2, land (9,902.7 square feet) and building, equipment and furniture . . . . .		17,783 71
Central Fire Station, land (10,019 feet) and building . . . . .	43,603 89	
	<hr/>	
Amounts carried forward . . . . .	\$43,603 89	\$1,715,067 63

Amounts brought forward . . . . .	\$43,603 89	\$1,715,067 63
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/>	54,002 42
Fire Alarm and Police Signal apparatus . . . . .		36,100 00
Police Station, land (15,232 feet) and building . . . . .	45,000 00	
Furniture . . . . .	3,000 00	
	<hr/>	48,000 00
Prospect street, land (7,918 feet) and building . . . . .		7,000 00
Broadway Park (cost \$212,993.20) . . . . .		125,000 00
Joy street, land (2,960 feet) . . . . .		500 00
Walnut Hill, land (10,980 feet) . . . . .		1,000 00
Elm street, land (18,000 feet) . . . . .		6,000 00
Webster avenue, land (11,050 feet) . . . . .		4,241 50
Holland street, land (5 acres, 6,806 feet) . . . . .		20,000 00
Gravel land in Waltham (about 35 acres) . . . . .		15,000 00
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
Nathan Tufts Park (about 4 54-100 acres) . . . . .		47,649 28
Somerville Water Works, cost . . . . .		766,484 63
Oliver street, land (63,069 feet) . . . . .		7,500 00
Whipple street, land (15,240 feet) . . . . .		800 00
Lincoln Park, Washington street (359,604.77 feet) . . . . .		52,320 28
Fire Station, Clarendon Hill, land (8,113.1 feet) and building . . . . .		21,431 48
Prospect Hill Park (56,700 feet) . . . . .		20,356 21
Public Library Addition . . . . .		17,516 24
City Home, Broadway, land (445,194 feet) and buildings (\$6,000.75 balance due) . . . . .	13,983 16	
Furniture . . . . .	1,426 09	
	<hr/>	15,409 25
Total amount of public property . . . . .		\$2,990,378 92

TABLE B.—FUNDED DEBT DECEMBER 31, 1900.  
City Loan Bonds.

DATE.	Number of Bonds.	Rate per cent of Interest.	When due.	Denomination.	Amount.
July 1, 1894	1,638 to 1,646	4	July 1, 1901	\$1,000	\$9,000
July 1, 1895	1,828 to 1,845	4	July 1, 1901	1,000	18,000
July 1, 189	2,098 to 2,106	4	July 1, 1901	1,000	9,000
July 1, 1897	2,256 to 2,266	4	July 1, 1901	1,000	11,000
July 1, 1898	2,387 to 2,396	4	July 1, 1901	1,000	10,000
July 1, 1899	2,524 to 2,531	4	July 1, 1901	1,000	8,000
July 2, 1900	2,626 to 2,637	3½	July 1, 1901	1,000	12,000
October 1, 1890	1,143 to 1,146	4	Oct. 1, 1901	1,000	4,000
October 1, 1891	1,209 to 1,211	4	Oct. 1, 1901	1,000	3,000
October 1, 1893	1,493 to 1,516	4½	Oct. 1, 1901	1,000	24,000
January 1, 1892	1,314 to 1,323	4	Jan. 1, 1902	1,000	10,000
July 1, 1894	1,647 to 1,655	4	July 1, 1902	1,000	9,000
July 1, 1895	1,846 to 1,863	4	July 1, 1902	1,000	18,000
July 1, 1896	2,107 to 2,115	4	July 1, 1902	1,000	9,000
July 1, 1897	2,267 to 2,275	4	July 1, 1902	1,000	9,000
July 1, 1898	2,397 to 2,406	4	July 1, 1902	1,000	10,000
July 1, 1899	2,532 to 2,539	4	July 1, 1902	1,000	8,000
July 2, 1900	2,638 to 2,649	3½	July 1, 1902	1,000	12,000
October 1, 1891	1,212 to 1,214	4	Oct. 1, 1902	1,000	3,000
October 1, 1893	1,517 to 1,546	4½	Oct. 1, 1902	1,000	30,000
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
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
	Amount	carried	forward	.	\$338,000



## City Loan Bonds.—Continued.

DATE.	Number of Bonds.	Rate per cent. of Interest.	When Due.	Denomination.	Amount.
	Amount	brought	forward . .	. . . .	\$338,000
July 1, 1894	1,655 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
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
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, 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
	Amount	carried	forward .	. . . .	\$619,000

## City Loan Bonds.—Continued.

DATE.	Number of Bonds.	Rate per cent. of Interest.	When due.	Denomination.	Amount.
	Amount brought forward . . . . .				\$619,000
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, 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, 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, 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, 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
	Amount carried forward . . . . .				\$853,000

## City Loan Bonds.—Continued.

DATE.	Number of Bonds.	Rate per cent. of Interest.	When due.	Denomination.	Amount.
	Amount brought forward . . . . .				\$853
July 1, 1896	2,188 to 2,194	4	July 1, 1912	\$1,000	7,000
July 1, 1897	2,341 to 2,344	4	July 1, 1912	1,000	4,000
July 1, 1898	2,481 to 2,485	4	July 1, 1912	1,000	5,000
July 1, 1899	2,600 to 2,603	4	July 1, 1912	1,000	4,000
July 2, 1900	2,741 to 2,745	3½	July 1, 1912	1,000	5,000
July 1, 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, 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, 1895	2,045 to 2,057	4	July 1, 1915	1,000	13,000
July 1, 1896	2,209 to 2,215	4	July 1, 1915	1,000	7,000
July 1, 1897	2,353 to 2,356	4	July 1, 1915	1,000	4,000
July 1, 1898	2,496 to 2,500	4	July 1, 1915	1,000	5,000
July 1, 1899	2,612 to 2,614	4	July 1, 1915	1,000	3,000
July 2, 1900	2,754 to 2,757	3½	July 1, 1915	1,000	4,000
July 1, 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
	Amount carried forward . . . . .				\$1,023,000

## City Loan Bonds.—Concluded.

DATE.	Number of Bonds.	Rate per cent. of Interest.	When due.	Denomination.	Amount.
	Amount	brought forward . . .			\$1,023,000
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, 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, 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 2, 1900	2,774 to 2,777	3½	July 1, 1920	1,000	4,000
	Total amount	of City	Loan Bonds	. . .	\$1,061,000

## Sewer Loan Bonds.

DATE.	Number of Bonds.	Rate per cent. of Interest.	When due.	Denomination.	Amount.
July 1, 1894	60	4	July 1, 1901	\$1,000	\$1,000
July 1, 1897	177	4	July 1, 1901	1,000	1,000
July 1, 1898	201	4	July 1, 1901	1,000	1,000
October 1, 1893	43	4½	Oct. 1, 1901	1,000	1,000
July 1, 1894	61	4	July 1, 1902	1,000	1,000
July 1, 1897	178	4	July 1, 1902	1,000	1,000
July 1, 1898	202	4	July 1, 1902	1,000	1,000
October 1, 1893	44	4½	Oct. 1, 1902	1,000	1,000
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
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
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
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
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
October 1, 1893	49	4½	Oct. 1, 1907	1,000	1,000
July 1, 1894	67	4	July 1, 1908	1,000	1,000
July 1, 1897	184	4	July 1, 1908	1,000	1,000
	Amount	carried	forward . . .	. . .	\$30,000

## Sewer Loan Bonds.—Continued.

DATE.	Number of Bonds.	Rate per cent. of Interest.	When due.	Denomination.	Amount.
	Amount brought forward . . . . .				\$30,000
July 1, 1898	208	4	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
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
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
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, 1894	72	4	July 1, 1913	1,000	1,000
July 1, 1897	189	4	July 1, 1913	1,000	1,000
July 1, 1898	213	4	July 1, 1913	1,000	1,000
July 1, 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, 1897	191	4	July 1, 1915	1,000	1,000
July 1, 1898	215	4	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, 1897	193	4	July 1, 1917	1,000	1,000
July 1, 1898	217	4	July 1, 1917	1,000	1,000
July 1, 1897	194	4	July 1, 1918	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, 1898	218	4	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, 1897	196	4	July 1, 1920	1,000	1,000
July 1, 1898	220	4	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, 1897	198	4	July 1, 1922	1,000	1,000
July 1, 1898	222	4	July 1, 1922	1,000	1,000
July 1, 1898	223	4	July 1, 1923	1,000	1,000
Total amount	of Sewer Loan	Bonds	under debt	limit .	\$70,000

**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	94 to 97	4	July 1, 1901	\$1,000	\$4,000
July 1, 1895	98 to 101	4	July 1, 1902	1,000	4,000
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 . .	\$80,000



**City Loan Paving Bonds.**

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

Date.	Number of Bonds.	Rate per cent. of Interest.	When due.	Denomination.	Amount.
October 1, 1892	41 to 45	4	Oct. 1, 1901	\$1,000	\$5,000
October 1, 1892	46 to 50	4	Oct. 1, 1902	1,000	5,000
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 . . . . .		\$60,000

## Water Loan Bonds.

DATE.	Number of Bonds.	Rate per cent. of Interest.	When due.	Denomination.	Amount.
July 1, 1888	290	4	July 1, 1901	\$1,000	\$1,000
July 1, 1896	b452	4	July 1, 1901	1,000	1,000
October 1, 1884	203 to 212	4	Oct. 1, 1901	1,000	10,000
October 1, 1892	a459 to 468	4	Oct. 1, 1901	1,000	10,000
July 1, 1885	214 to 219	4	July 1, 1901	1,000	6,000
October 1, 1889	345 to 346	4	Oct. 1, 1901	1,000	2,000
October 1, 1890	418 to 419	4	Oct. 1, 1901	1,000	2,000
July 1, 1885	220 to 226	4	July 1, 1902	1,000	7,000
July 1, 1886	229 to 238	4	July 1, 1902	1,000	10,000
July 1, 1896	b453	4	July 1, 1902	1,000	1,000
October 1, 1889	347 to 348	4	Oct. 1, 1902	1,000	2,000
October 1, 1890	420 to 421	4	Oct. 1, 1902	1,000	2,000
October 1, 1892	469 to 475	4	Oct. 1, 1902	1,000	7,000
July 1, 1886	239 to 256	4	July 1, 1903	1,000	18,000
July 1, 1896	b454	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	b455	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	b456	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	b457	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
	Amount	carried	forward . .	. . .	\$132,000

## Water Loan Bonds.—Continued.

DATE.	Number of Bonds.	Rate per cent. of Interest.	When due.	Denomination.	Amount.
	Amount brought forward . . . . .				\$132,000
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
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
	Amount carried forward . . . . .				\$189,000

**Water Loan Bonds.—Concluded.**

DATE.	Number of Bonds.	Rate per cent. of Interest.	When due.	Denomination.	Amount.
	Amount	brought	forward . . .	. . .	\$189,000
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 .	\$207,000

**Recapitulation.**

City Loan Bonds . . . . .	\$1,061,000 00	
Sewer Loan Bonds . . . . .	70,000 00	
Total amount of Funded Debt within the limit provided by law . . . . .		\$1,131,000 00
Sewer Loan Bonds, issued under Chapter 357, Acts of 1895 . . . . .	\$80,000 00	
City Loan Paving Bonds, issued under Chapter 153, Acts of 1892 . . . . .	60,000 00	
Total amount of Funded Debt outside of the limit allowed by law, issued under special Acts . . . . .		140,000 00
Water Loan Bonds . . . . .		207,000 00
Total amount of Funded Debt . . . . .		\$1,478,000 00





**TABLE C.—STATEMENT OF ACCOUNTS, SHOWING APPROPRIATIONS, EXPENDITURES, ETC., TO DECEMBER 31, 1900.**

**Appropriations.**

		CREDIT.	
Taxes, amount assessed . . . . .			\$722,380 87
Property and Debt Balance . . . . .			152,000 00
			<hr/> \$874,380 87
DEBIT.			
Assessors . . . . .		\$10,000 00	
City Auditor . . . . .		750 00	
City Clerk . . . . .		6,000 00	
City Engineer . . . . .		11,500 00	
City Messenger . . . . .		2,500 00	
City Solicitor . . . . .		2,350 00	
City Treasurer . . . . .		14,000 00	
Clerk of Committees and Departments . . . . .		4,100 00	
Contingent Fund . . . . .		9,535 00	
Election Expenses:—			
City Clerk . . . . .		1,000 00	
Registrars of Voters . . . . .		1,800 00	
Commissioner of Public Buildings . . . . .		1,200 00	
Pay of Election Officers . . . . .		1,700 00	
Electrical Department . . . . .		7,000 00	
Executive Department . . . . .		4,000 00	
Fire Department . . . . .		58,000 00	
Fire Department, Fire Apparatus for Ladder Two Station . . . . .		3,000 00	
Health Department . . . . .		30,000 00	
Highways, Boston-avenue Bridge . . . . .		6,500 00	
Highways, Construction . . . . .		2,000 00	
Highways, Maintenance . . . . .		7,000 00	
Highways, Paved Gutters and Crossings . . . . .		12,000 00	
Highways, Paving Davis Square . . . . .		3,500 00	
Highways, Shade Trees . . . . .		500 00	
Highways, Watering Streets . . . . .		4,000 00	
Inspection of Buildings . . . . .		3,300 00	
Interest . . . . .		55,000 00	
Military Aid . . . . .		500 00	
Police . . . . .		22,000 00	
Powder-house Boulevard . . . . .		12,000 00	
Printing and Stationery . . . . .		3,000 00	
Public Buildings Maintenance:—			
City Hall . . . . .		6,000 00	
City Hall Annex . . . . .		1,000 00	
Fire Department . . . . .		4,700 00	
Health Department . . . . .		200 00	
Highways . . . . .		1,200 00	
Police . . . . .		3,000 00	
Public Library . . . . .		3,000 00	
Schoolhouses . . . . .		38,500 00	
Sewer Department . . . . .		200 00	
Support of Poor . . . . .		500 00	
Water Department . . . . .		100 00	
Amounts carried forward . . . . .		<hr/> \$358,135 00	<hr/> \$874,380 87

Amounts brought forward . . . . .	\$358,135 00	\$874,380 87
Public Grounds . . . . .	10,200 00	
Public Grounds, Land for Park Purposes . . . . .	12,000 00	
Public Library . . . . .	10,000 00	
Public Library Addition . . . . .	3,000 00	
Reduction of Funded Debt . . . . .	62,600 00	
Renewals of Funded Debt . . . . .	12,000 00	
School Contingent . . . . .	22,000 00	
Schoolhouse, Burns, Addition . . . . .	180 87	
Schoolhouse, Charles G. Pope, Improve- ments . . . . .	2,000 00	
Schoolhouse in or near Ward Seven . . . . .	45,000 00	
Schoolhouse in Ward Two . . . . .	40,000 00	
Schoolhouse, O. S. Knapp, Improvements . . . . .	8,000 00	
School Teachers' Salaries . . . . .	208,000 00	
Sealer of Weights and Measures . . . . .	1,065 00	
Sidewalks Construction . . . . .	18,000 00	
Sidewalks Maintenance . . . . .	5,000 00	
Soldiers' Relief . . . . .	15,000 00	
Somerville Hospital . . . . .	5,000 00	
Street Lights . . . . .	17,000 00	
Support of Poor, City Home . . . . .	4,000 00	
Support of Poor, Miscellaneous . . . . .	16,200 00	
	<hr/>	<hr/>
		\$874,380 87

**Assessors.**

## CREDIT.

Appropriations, amount assessed . . . . .	\$10,000 00
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## DEBIT.

Cash, paid Albert B. Fales, salary as chair- man of the board of assessors . . . . .	\$1,781 45	
Benjamin F. Thompson, assessor . . . . .	818 55	
Nathan H. Reed, assessor . . . . .	800 00	
Harry A. True, assessor . . . . .	800 00	
Jesse J. Underhill, assessor . . . . .	666 66	
Fred B. Clapp, assistant assessor . . . . .	250 00	
Charles C. Farrington, assistant as- sessor . . . . .	250 00	
Edgar T. Mayhew, assistant assessor . . . . .	250 00	
James Wilson, assistant assessor . . . . .	250 00	
Gertrude G. Kendall, first assistant clerk . . . . .	700 00	
Jennie L. Jones, second assistant clerk . . . . .	600 00	
car fares . . . . .	22 60	
Gertrude F. Gray, clerical services . . . . .	173 99	
Marion C. Kendall, clerical services . . . . .	160 01	
Mabel Olmsted, clerical services . . . . .	72 66	
Nannee M. Sargent, clerical services . . . . .	152 01	
Ada C. Walker, clerical services . . . . .	155 34	
Laura E. Peavey, clerical services . . . . .	118 67	
Lillian E. Leavitt, clerical services . . . . .	72 00	
Mabel A. Fitz, clerical services . . . . .	24 00	
Theodore H. Locke, clerical services . . . . .	48 00	
Raymond A. Farr, clerical services . . . . .	46 00	
Freeman L. Lowell, clerical services . . . . .	48 00	
Charles B. Palmer, clerical services . . . . .	50 00	
	<hr/>	<hr/>
Amounts carried forward . . . . .	\$8,309 94	\$10,000 00



Amounts brought forward . . . . .	\$8,309 94	\$10,000 00
Somerville Journal Co., printing . . . . .	776 25	
The Citizen Co., printing . . . . .	42 00	
Thomas Groom & Co., books, etc. . . . .	238 77	
Samuel Ward Co., stationery . . . . .	16 20	
Frost & Adams Co., stationery . . . . .	3 67	
R. H. White Co., stationery . . . . .	1 92	
M. L. Vinal, stationery . . . . .	3 30	
Smith Premier Typewriter Co., paper . . . . .	5 67	
Blackbird Pen Co., pens . . . . .	7 50	
The Carter Ink Co., ink . . . . .	1 13	
J. H. Brooks, elastic . . . . .	1 00	
William H. Brine, scissors . . . . .	63	
Byron Boyd, abstracts . . . . .	15 00	
Pneumatic Hand Stamp Co., stamps . . . . .	3 54	
Robert S. Robson, stamps . . . . .	1 35	
New England Telephone & Telegraph Co., rentals and tolls . . . . .	42 53	
Somerville Post-office, stamps . . . . .	35 00	
American Express Co., expressing . . . . .	15	
J. H. Grundy, expressing . . . . .	15	
J. H. Thompson, carriage hire . . . . .	8 00	
E. F. Hicks, lunch . . . . .	8 00	

\$9,521 70

Excess and Deficiency, balance to credit of  
account . . . . .

478 30

\$10,000 00

**Cash.**

CREDIT.

Assessors . . . . .	\$9,521 70
City Auditor . . . . .	728 37
City Clerk . . . . .	6,715 25
City Engineer . . . . .	12,177 92
City Messenger . . . . .	2,273 95
City Solicitor . . . . .	2,382 28
City Treasurer . . . . .	11,159 38
Clerk of Committees and Departments . . . . .	4,215 12
Contingent Fund . . . . .	3,035 61
County of Middlesex . . . . .	48,311 73
Election Expenses:—	
City Clerk . . . . .	787 66
Registrars of Voters . . . . .	1,712 63
Commissioner of Public Buildings . . . . .	1,135 11
Pay of Election Officers . . . . .	1,602 00
Electrical Department . . . . .	7,614 92
Executive Department . . . . .	3,645 77
Fire Department . . . . .	57,226 02
Fire Department, Fire Station No. 1 . . . . .	702 75
Fire Department, Fire Apparatus for Ladder Two Station . . . . .	3,030 00
Funded Debt . . . . .	166,500 00
Health Department . . . . .	31,565 37
Highways Construction . . . . .	11,865 26
Highways, Maintenance . . . . .	75,323 62
Highways, Paved Gutters and Crossings . . . . .	20,302 44
Highways, Boston-avenue Bridge . . . . .	8,792 32

Amount carried forward . . . . . \$492,327 18

Amount brought forward . . . . .	\$492,327 18
Highways, Paving Washington Street . . . . .	4 82
Highways, Shade Trees . . . . .	289 00
Highways, Watering Streets . . . . .	13,322 47
Inspection of Buildings . . . . .	4,025 45
Interest . . . . .	42,499 92
Military Aid . . . . .	697 00
Overlay and Abatement . . . . .	28 46
Overplus on Tax Sales . . . . .	800 00
Police . . . . .	60,227 54
Powder-house Boulevard . . . . .	11,864 20
Printing and Stationery . . . . .	1,289 55
Public Buildings Maintenance:—	
City Hall . . . . .	5,806 45
City Hall Annex . . . . .	807 02
Fire Department . . . . .	4,856 19
Health Department . . . . .	164 56
Highways . . . . .	1,217 63
Police . . . . .	3,438 37
Public Library . . . . .	3,673 34
Schoolhouses . . . . .	47,150 28
Sewer Department . . . . .	67 83
Support of Poor . . . . .	873 11
Water Department . . . . .	99 05
Public Grounds . . . . .	10,559 69
Public Library . . . . .	13,745 01
Public Library, Addition . . . . .	8,924 27
School Contingent . . . . .	20,564 57
Schoolhouse, O. S. Knapp, Improvements . . . . .	7,971 48
Schoolhouse in or near Ward Seven . . . . .	15,004 27
Schoolhouse, Burns, Addition . . . . .	346 75
Schoolhouse, Charles G. Pope, Improvements . . . . .	1,898 39
Schoolhouse, Forster, Improvements . . . . .	15,033 88
Schoolhouse, Ward One . . . . .	378 00
Schoolhouse in Ward Two . . . . .	18,131 09
School Teachers' Salaries . . . . .	208,129 97
Sealer of Weights and Measures . . . . .	1,035 35
Sewers, Construction . . . . .	52,307 10
Sewers, Maintenance . . . . .	9,484 52
Sidewalks, Construction . . . . .	36,386 36
Sidewalks, Maintenance . . . . .	5,839 73
Soldiers' Relief . . . . .	14,595 19
Soldiers' Burials . . . . .	455 00
Somerville Hospital . . . . .	4,680 03
State Aid . . . . .	11,410 00
State of Massachusetts, State Tax . . . . .	27,075 00
State of Massachusetts, Metropolitan Sewer Assessment . . . . .	41,924 34
State of Massachusetts, Metropolitan Water Assessment . . . . .	28,689 24
State of Massachusetts, National Bank Tax . . . . .	1,036 80
Street Lights . . . . .	53,724 49
Sundry Persons . . . . .	27,710 00
Support of Poor, Almshouse . . . . .	268 50
Support of Poor, City Home . . . . .	5,528 83
Support of Poor, Miscellaneous . . . . .	24,017 59
Temporary Loans . . . . .	660,000 00
Water Loan Interest . . . . .	7,487 50
Water Maintenance . . . . .	64,719 59
Water Services . . . . .	4,287 95
Amount carried forward . . . . .	\$2,107,868 60

Amount brought forward . . . . .	\$2,107,868 60
Water Works Extension . . . . .	24,927 06
Water Works, Abatements on Water Charges . . . . .	430 42
Balance to debit of account, 1901 . . . . .	103,858 87
	<hr/>
	\$2,237,084 95

## DEBIT.

Balance from 1899 . . . . .	\$71,312 12
City Clerk . . . . .	1,577 15
City Engineer . . . . .	702 20
City Treasurer . . . . .	3,935 71
Contingent Fund . . . . .	135 23
Electrical Department . . . . .	140 10
Fire Department . . . . .	313 27
Funded Debt . . . . .	152,000 00
Health Department . . . . .	1,342 80
Highway Betterment Assessments . . . . .	17 00
Highways, Construction . . . . .	10,040 00
Highways, Maintenance . . . . .	79,254 36
Highways, Paving Davis Square . . . . .	171 90
Highways, Watering Streets . . . . .	84 00
Inspection of Buildings . . . . .	31 50
Interest . . . . .	16,601 91
Overlay and Abatement . . . . .	7 55
Police . . . . .	30,863 10
Powder-house Boulevard . . . . .	5 00
Public Buildings Maintenance:—	
Highways . . . . .	149 00
Police . . . . .	356 16
Schoolhouses . . . . .	152 59
Sewer Department . . . . .	10 00
Public Grounds . . . . .	360 00
Public Library . . . . .	3,737 00
Public Library, Isaac Pitman Fund, Art . . . . .	4,000 00
Reduction of Funded Debt . . . . .	3,703 80
School Contingent . . . . .	108 00
Sealer of Weights and Measures . . . . .	329 74
Sewer Assessments . . . . .	5,160 96
Sewers, Construction . . . . .	65 26
Sewers, Maintenance . . . . .	512 28
Sidewalk Assessments . . . . .	9,765 12
Sidewalks, Construction . . . . .	734 73
Sidewalks, Maintenance . . . . .	297 37
Soldiers' Relief . . . . .	10 00
Soldiers' Burials . . . . .	35 00
State Aid . . . . .	22 00
State of Massachusetts, Soldiers Burials . . . . .	350 00
State of Massachusetts, Military Aid . . . . .	238 50
State of Massachusetts, State Aid . . . . .	10,803 00
Support of Poor, City Home . . . . .	453 11
Support of Poor, Miscellaneous . . . . .	5,146 74
Taxes . . . . .	885,080 04
Temporary Loans . . . . .	700,000 00
Water Maintenance . . . . .	23,400 50
Water Service Assessments . . . . .	4,315 06
Water Works Extension . . . . .	55 20
Water Works Income . . . . .	209,198 89
	<hr/>
	\$2,237,084 95

**City Auditor.**

## CREDIT.

Appropriations, amount assessed . . . . .	\$750 00
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## DEBIT.

Cash, paid Charles S. Robertson, salary as auditor . . . . .	\$700 00
disbursements . . . . .	3 25
C. C. Hoffman & Co., stamps . . . . .	13 15
Thomas Groom & Co., books . . . . .	11 97
	<hr/>
	\$728 37
Excess and Deficiency, balance to credit of account . . . . .	21 63
	<hr/>
	<u>\$750 00</u>

**City Clerk.**

## CREDIT.

Appropriations, amount assessed . . . . .	\$6,000 00
Cash, received of George I. Vincent, City Clerk:—	
Recording mortgages . . . . .	\$403 00
Licensing dogs . . . . .	284 40
Marriage certificates . . . . .	320 50
Billiards and pool . . . . .	88 00
Amusements . . . . .	42 00
Street musicians . . . . .	16 00
Copies of records . . . . .	32 75
Junk licenses . . . . .	211 00
Slaughtering . . . . .	3 00
Private detectives . . . . .	30 00
Liquor licenses . . . . .	24 00
Fireworks . . . . .	62 00
Intelligence offices . . . . .	16 00
Auctioneers' licenses . . . . .	44 00
Naturalization fees . . . . .	50
	<hr/>
	1,577 15
	<hr/>
	\$7,577 15

## DEBIT.

Cash, paid George I. Vincent, salary as city clerk . . . . .	\$2,700 00
revising ordinances . . . . .	250 00
disbursements . . . . .	2 50
Clara B. Snow, first assistant to clerk . . . . .	700 00
Edith A. Woodman, second assistant to clerk . . . . .	600 00
Mary A. Sleeper, third assistant to clerk . . . . .	500 00
Alice M. Vincent, fourth assistant to clerk . . . . .	450 00
Arthur D. Osborne, census of births . . . . .	69 40
Elizabeth S. Webster, census of births . . . . .	39 10
Zella Cummings, census of births . . . . .	12 80
	<hr/>
Amounts carried forward . . . . .	\$5,323 80
	<hr/>
	<u>\$7,577 15</u>

Amounts brought forward . . . . .	\$5,323 80	\$7,577 15
Susan E. Gilcrease, census of births . . . . .	16 80	
John F. Kennard, census of births . . . . .	21 30	
Clara Z. Elliot, census of births . . . . .	32 70	
Charles E. Davis, census of births . . . . .	21 60	
Albert C. Aldrich, return of births . . . . .	6 50	
Edward E. Allen, return of births . . . . .	1 00	
George G. Averill, return of births . . . . .	1 25	
William H. Bailey, return of births . . . . .	7 25	
William A. Bell, return of births . . . . .	4 50	
Giles W. Bryant, return of births . . . . .	3 00	
Lewis N. Bump, return of births . . . . .	3 50	
Charles S. Cahill, return of births . . . . .	8 25	
Frank F. Carr, return of births . . . . .	1 00	
Alphonso H. Carvill, return of births . . . . .	3 25	
William H. Clancy, return of births . . . . .	1 00	
John F. Couch, return of births . . . . .	32 50	
P. T. Crispo, return of births . . . . .	75	
John M. Crocker, return of births . . . . .	1 25	
Mary B. Currier, return of births . . . . .	1 00	
Henry F. Curtis, return of births . . . . .	4 25	
Charles K. Cutter, return of births . . . . .	1 25	
F. Russell Dame, return of births . . . . .	25	
Roland A. Davis, return of births . . . . .	1 00	
Alvah B. Dearborn, return of births . . . . .	3 75	
Augustus W. Dudley, return of births . . . . .	1 75	
Thomas M. Durell, return of births . . . . .	5 25	
John E. Dwyer, return of births . . . . .	50	
Charles C. Ellis, return of births . . . . .	1 00	
J. F. Ferry, return of births . . . . .	2 25	
P. J. Finnegan, return of births . . . . .	3 50	
Philip M. Fitzsimmons, return of births . . . . .	2 00	
Douglas S. Flewelling, return of births . . . . .	4 75	
A. Ward Follett, return of births . . . . .	7 00	
A. Waldo Forbush, return of births . . . . .	2 00	
John A. Gregg, return of births . . . . .	20 00	
A. A. Gibson, return of births . . . . .	24 25	
Henry C. Hache, return of births . . . . .	16 75	
William P. Hammond, return of births . . . . .	1 50	
H. A. Hands, return of births . . . . .	2 25	
William J. Hatchett, return of births . . . . .	6 25	
Edwin S. Kimpton, return of births . . . . .	2 50	
A. C. Lane, return of births . . . . .	50	
R. L. Lane, return of births . . . . .	4 25	
Forrest Leavitt, return of births . . . . .	1 00	
Charles Lloyd, return of births . . . . .	25	
Joseph S. Lockhart, return of births . . . . .	1 75	
Charles F. Maguire, return of births . . . . .	5 00	
George C. Mahoney, return of births . . . . .	6 00	
Horace P. Makechnie, return of births . . . . .	1 75	
James A. McDonald, return of births . . . . .	75	
Herbert B. McIntire, return of births . . . . .	1 50	
Albert E. Merrill, return of births . . . . .	3 25	
Edward J. Meyer, return of births . . . . .	1 00	
George A. Miles, return of births . . . . .	9 50	
George W. Mills, return of births . . . . .	50	
A. Moll, return of births . . . . .	5 25	
Charles E. Mongan, return of births . . . . .	19 75	
Amounts carried forward . . . . .	\$5,668 20	\$7,577 15

Amounts brought forward . . . . .	\$5,668 20	\$7,577 15
Frank L. Morse, return of births . . . . .	1 50	
Frank L. S. Newton, return of births . . . . .	2 75	
Louis P. O'Donnell, return of births . . . . .	17 75	
George E. Osgood, return of births . . . . .	3 50	
Arthur R. Perry, return of births . . . . .	7 50	
Eugenie M. Phillips, return of births . . . . .	3 25	
Ernest D. Pillsbury, return of births . . . . .	1 25	
Edwin A. Sanborn, return of births . . . . .	1 25	
Frederick G. Smith, return of births . . . . .	12 50	
Betty Suber, return of births . . . . .	50	
Anna B. Taylor, return of births . . . . .	3 00	
F. W. Taylor, return of births . . . . .	1 75	
Harmon S. Trueman, return of births . . . . .	4 50	
Waldo H. Tyler, return of births . . . . .	75	
C. J. Walsh, return of births . . . . .	1 00	
Roswell Wetherbee, return of births . . . . .	75	
George W. W. Whiting, return of births . . . . .	10 50	
Ray S. Wilder, return of births . . . . .	75	
Reuben Willis, return of births . . . . .	2 00	
J. A. Walcott, return of births . . . . .	1 25	
Henry Rich Higgins, return of births . . . . .	25	
C. F. Bryant, reporting deaths . . . . .	9 25	
John E. Bryant, reporting deaths . . . . .	7 00	
W. A. Flaherty & Son, reporting deaths . . . . .	61 25	
W. A. Frink, reporting deaths . . . . .	10 75	
Alfred E. Mann, reporting deaths . . . . .	13 75	
E. H. Marsh & Son, reporting deaths . . . . .	18 75	
P. H. Rafferty, reporting deaths . . . . .	28 75	
Francis M. Wilson, reporting deaths . . . . .	23 75	
C. H. Lockhart, reporting deaths . . . . .	19 50	
Thomas Groom & Co., books and stationery . . . . .	269 25	
Smith Premier Typewriter Co., stationery . . . . .	1 60	
F. S. Blanchard & Co., book . . . . .	3 00	
Somerville Journal Co., printing and advertising . . . . .	165 50	
Somerville Citizen Co., printing and advertising . . . . .	151 00	
George G. Little, printing . . . . .	4 75	
John Donnelly & Sons, posting notices . . . . .	5 50	
Thorpe & Martin Co., repairing typewriter . . . . .	10 00	
Somerville Post-office, postage stamps . . . . .	63 00	
The Carter's Ink Co., ink . . . . .	3 38	
Robert S. Robson, rubber stamps . . . . .	14 85	
Middlesex Registry of Deeds, recording . . . . .	1 65	
New England Telephone & Telegraph Co., rentals and tolls . . . . .	69 15	
American Express Co., expressing . . . . .	11 60	
Bancroft's Express, expressing . . . . .	1 20	
J. H. Grundy, expressing . . . . .	30	
Gilman Express Co., expressing . . . . .	32	
	<hr/>	
	\$6,715 25	
Excess and Deficiency, balance to credit of account . . . . .	861 90	
	<hr/>	
		\$7,577 15

**City Engineer.**

## CREDIT.

Appropriations, amount assessed . . . . .		\$11,500 00
Cash, received of Cambridge Gas Light Co., engineering services . . . . .	\$13 40	
Somerville Electric Light Co., engineer- ing services . . . . .	34 40	
Highways, Paving Davis Square account, inspection . . . . .	87 40	
Highways, Boston-avenue Bridge ac- count, inspection . . . . .	225 00	
Powder-house Boulevard account, in- spection . . . . .	300 00	
Contingent Fund, numbering houses . . . . .	42 00	
	<hr/>	702 20
Interest account, amount transferred . . . . .		200 00
		<hr/>
		\$12,402 20

## DEBIT.

Cash, paid Ernest W. Bailey, salary as city engineer . . . . .	\$2,500 00	
Engineer's Assistants . . . . .	8,774 38	
Engineer's Assistants, car fares . . . . .	225 96	
Thomas Groom & Co., paper . . . . .	74 72	
Wadsworth, Howland, & Co., paper, etc. . . . .	147 88	
Charles E. Moss, blue print paper . . . . .	17 37	
Higgins, Snow Co., paper . . . . .	4 96	
M. L. Vinal, blank books . . . . .	1 55	
Library Bureau, cards . . . . .	4 50	
Frost & Adams Co., crayons . . . . .	2 25	
H. C. Dimond & Co., type . . . . .	1 34	
Whitney & Snow, tools . . . . .	99 79	
E. S. Sparrow & Co., lead . . . . .	98	
G. G. Ledger, rods, tape, etc. . . . .	72 75	
J. S. F. Huddleston, repairing instru- ments . . . . .	1 00	
Charles C. Hutchinson, leveling rods . . . . .	18 00	
Buff & Berger, adjusting transit . . . . .	20 30	
William Watson, repairing compass . . . . .	75	
George O. W. Servis, use of transit . . . . .	20 00	
Sprague & Hathaway Co., frames . . . . .	10 45	
J. H. Brooks, cotton cloth . . . . .	2 95	
M. E. Schuebeler, cloth . . . . .	85	
Wilbur P. Rice, stakes . . . . .	20 90	
J. T. Macneill, repairing tool bag . . . . .	1 10	
Somerville Post-office, stamps . . . . .	26 25	
American Express Co., expressing . . . . .	1 25	
J. H. Grundy, expressing . . . . .	3 00	
Cotter's Express, expressing . . . . .	30	
A. G. Renner, expressing . . . . .	15	
Bancroft's Express, expressing . . . . .	15	
New England Telephone & Telegraph Co., rentals and tolls . . . . .	66 30	
C. S. Warner, trip to Springfield . . . . .	5 60	
	<hr/>	
Amounts carried forward . . . . .	\$12,127 73	\$12,402 20

Amounts brought forward . . . . .	\$12,127 73	\$12,402 20
Howard Lowell & Son, carriage hire . . . . .	8 00	
Sewers Maintenance account, changing bounds and locating drains . . . . .	42 19	
	<hr/>	
	\$12,177 92	
Excess and Deficiency, balance to credit of account . . . . .	224 28	
	<hr/>	
		\$12,402 20

**City Messenger.**

## CREDIT.

Appropriations, amount assessed . . . . .	\$2,500 00
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## DEBIT.

Cash, paid Jairus Mann, salary as city mes- senger . . . . .	\$1,500 00	
F. J. Stanley, board of horses . . . . .	542 00	
L. H. Brown, carriage hire . . . . .	132 00	
William Kirkland, carriage hire . . . . .	2 00	
William Buckley, horseshoeing . . . . .	26 50	
Charles E. Berry, lanterns for buggy . . . . .	7 00	
Charles L. Ellis, disbursements . . . . .	1 00	
Thomas Groom & Co., stationery . . . . .	17 55	
Robert S. Robson, woodcut, etc. . . . .	2 00	
H. D. Padelford, stamps . . . . .	5 00	
Charles L. Underhill, repairing wagon, etc. . . . .	4 00	
Hale & Mayhew Co., repairing wagon . . . . .	11 25	
I. B. Walker, repairing wagon . . . . .	12 75	
J. T. Macneill, repairing harnesses . . . . .	6 20	
D. J. Bennett, harness work . . . . .	3 85	
E. R. Perham, expressing . . . . .	85	
	<hr/>	
	\$2,273 95	
Excess and Deficiency, balance to credit of account . . . . .	226 05	
	<hr/>	
		\$2,500 00

**City Solicitor.**

## CREDIT.

Appropriations, amount assessed . . . . .	\$2,350 00	
Excess and Deficiency, balance to debit of account . . . . .	32 28	
	<hr/>	
		\$2,382 28

## DEBIT.

Cash, paid Frank W. Kaan, salary as city solicitor . . . . .	\$1,600 00	
office rent, etc. . . . .	309 13	
extra compensation by authority of city government . . . . .	250 00	
Dennis Kelley, claim agent . . . . .	100 00	
traveling expenses, etc. . . . .	38 00	
	<hr/>	
Amounts carried forward . . . . .	\$2,297 13	\$2,382 28



Amounts brought forward . . . . .	\$2,297 13	\$2,382 28
Somerville Journal Co., printing . . . . .	27 85	
Thomas Groom & Co., stationery . . . . .	8 50	
Thomas M. Durell, M. D., professional services . . . . .	35 00	
Myron E. Pierce, clerical services . . . . .	7 50	
E. S. Smith, copying . . . . .	6 30	
	<hr/>	<hr/>
		\$2,382 28

**City Treasurer.**

## CREDIT.

Appropriations, amount assessed . . . . .		\$14,000 00
Cash, received of sundry persons, costs on taxes and assessments . . . . .	\$3,914 82	
Thomas Groom & Co., bill previously paid . . . . .	11 00	
State of Massachusetts, fees for collecting National Bank tax . . . . .	10 37	
	<hr/>	<hr/>
		3,936 19
		<hr/>
		\$17,936 19

## DEBIT.

Cash, paid John F. Cole, salary as city treasurer . . . . .	\$2,133 30	
James F. Beard, salary as city treasurer . . . . .	1,125 00	
disbursements . . . . .	2 00	
Charles L. Ellis, deputy collector of taxes . . . . .	1,200 00	
disbursements . . . . .	13 74	
Beulah M. Peirce, first assistant to treasurer . . . . .	1,000 00	
Alice T. Sleeper, second assistant to treasurer . . . . .	466 68	
Louise B. McLaughlin, third assistant to treasurer . . . . .	600 00	
Florence M. Grow, fourth assistant to treasurer . . . . .	500 00	
Sarah J. Lamont, clerical services . . . . .	280 02	
Winnifred P. Briggs, clerical services . . . . .	273 35	
Ada C. Walker, clerical services . . . . .	113 34	
Amy L. Hamlet, clerical services . . . . .	54 68	
Marion C. Kendall, clerical services . . . . .	132 01	
Lillian E. Leavitt, clerical services . . . . .	81 34	
Josephine M. Clark, clerical services . . . . .	33 34	
Susan L. Briggs, clerical services . . . . .	24 00	
C. P. Sanborn, fees for collecting delinquent taxes . . . . .	52 50	
Theodore H. Locke, fees for collecting delinquent taxes . . . . .	41 00	
Benjamin F. Doten, fees for collecting delinquent taxes . . . . .	20 50	
Fr W. Hopkins, fees for collecting delinquent taxes . . . . .	3 00	
	<hr/>	<hr/>
Amounts carried forward . . . . .	\$8,149 80	\$17,936 19

Amounts brought forward . . . . .	\$8,149 80	\$17,936 19
Charles I. Shepard, fees for collecting delinquent taxes . . . . .	50	
Thomas Groom & Co., books . . . . .	489 95	
Forbes Lithograph Mfg. Co., bonds . . . . .	110 00	
George Stephens & Co., tax bills . . . . .	113 75	
H. C. Dimond & Co., stamps . . . . .	77	
Ihling Brothers & Everard, book . . . . .	2 80	
A. W. Babbitt, book . . . . .	7 50	
The Citizen Co., printing . . . . .	123 85	
Somerville Journal Co., printing . . . . .	1,911 35	
Stillman H. Libby, auctioneer . . . . .	21 00	
John Donnelly & Sons, posting . . . . .	46 00	
Edwin O. Childs, recording deeds . . . . .	9 60	
The Carter's Ink Co., ribbon, etc. . . . .	5 63	
Derby Desk Co., coupon cutter . . . . .	22 00	
The Yale & Towne Mfg. Co., cleaning lock . . . . .	15 00	
American Surety Co. of New York, treasurer's bond . . . . .	60 00	
Pneumatic Hand Stamp Co., stamps . . . . .	30	
Frederic W. Cook, car fares . . . . .	2 28	
New England Telephone & Telegraph Co., rentals and tolls . . . . .	56 70	
Eugene Mead, carriage hire . . . . .	4 00	
W. A. Greenough & Co., directory . . . . .	3 00	
Somerville Post-office, stamps . . . . .	2 30	
H. D. Padelford, stamps . . . . .	1 00	
American Express Co., expressing . . . . .	30	
	<hr/>	
	\$11,159 38	
Excess and Deficiency, balance to credit of account . . . . .	6,776 81	
	<hr/>	
		\$17,936 19

### Clerk of Committees and Departments.

#### CREDIT.

Appropriations, amount assessed . . . . .	\$4,100 00
Excess and Deficiency, balance to debit of account . . . . .	115 12
	<hr/>
	\$4,215 12

#### DEBIT.

Cash, paid William P. Mitchell, clerk of committees and departments . . . . .	\$1,899 97
disbursements . . . . .	2 00
Frederic W. Cook, assistant to clerk . . . . .	1,200 00
Lucia A. Manning, assistant to clerk . . . . .	600 00
Nannee M. Sargent, clerical services . . . . .	118 01
Thomas Groom & Co., books . . . . .	182 80
Citizen Co., printing . . . . .	9 00
Somerville Journal Co., printing . . . . .	27 75
Somerville Post-office, stamps . . . . .	97 25
Smith Premier Typewriter Co., paper . . . . .	3 10
Gilman Express Co., expressing . . . . .	32
New England Telephone & Telegraph Co., rentals and tolls . . . . .	74 92
	<hr/>
	\$4,215 12

**Contingent Fund.**

## CREDIT.

Appropriations, amount assessed . . . . .		\$9,535 00
Cash, received of Fulton O'Brion, fees for weighing . . . . .	\$36 23	
Gregorios Papanicolan, license to peddle . . . . .	25 00	
Peter Lupos, license to peddle . . . . .	25 00	
Nathan Ragovin, license to peddle . . . . .	25 00	
Sundry Persons, druggists' licenses . . . . .	24 00	
		<hr/>
		135 23
		<hr/>
		\$9,670 23

## DEBIT.

Cash, paid E. F. Hicks, refreshments . . . . .	\$270 00	
Dwight W. Thurber, refreshments . . . . .	60 00	
B. A. Prince & Co., refreshments . . . . .	60 50	
H. A. Belcher, turkeys . . . . .	106 32	
Burbeck Brothers, turkeys . . . . .	88 12	
Hazen & Brown, turkeys . . . . .	80 80	
M. L. King, turkeys . . . . .	78 72	
A. L. Proctor, turkeys . . . . .	107 84	
Jairus Mann, disbursements . . . . .	2 08	
L. H. Brown, carriage hire . . . . .	68 00	
J. H. Thompson, carriage hire . . . . .	44 00	
Charles L. Ellis, disbursements . . . . .	1 50	
C. M. Blake, newspapers . . . . .	6 00	
J. W. Howard, flowers . . . . .	1 35	
M. A. Mann, laundering, etc. . . . .	16 50	
Harrison Macomber, settlement of claim . . . . .	383 78	
State of Massachusetts, 25 per cent. of liquor licenses . . . . .	6 00	
John Donnelly & Sons, posting . . . . .	7 50	
City Engineer's account, numbering houses . . . . .	42 00	
Whitney & Snow, hardware . . . . .	37 72	
Company M, Eighth Regiment, M. V. M., appropriation for rifle practice . . . . .	250 00	
Willard C. Kinsley Post 139, G. A. R., contribution for observance of Memorial Day . . . . .	400 00	
Simon Connor & Co., rent of hall . . . . .	15 00	
New England Decorating Co., decorating . . . . .	10 00	
Union Square Furniture Co., use of furniture . . . . .	5 00	
Harris P. Tibbetts, repairing band stand . . . . .	17 88	
H. T. VanDusen, ringing bell . . . . .	9 00	
J. H. Colbath, ringing bell . . . . .	12 00	
J. H. Cummings, ringing bell . . . . .	3 00	
Asbury Strahan, ringing bell . . . . .	9 00	
E. A. Maynard, ringing bell . . . . .	9 00	
George W. Littlefield, ringing bell . . . . .	11 00	
George Stephens, Jr., ringing chimes . . . . .	16 00	
American Band, music . . . . .	75 00	
		<hr/>
Amounts carried forward . . . . .	\$2,310 61	\$9,670 23

Amounts brought forward . . . . .	\$2,310 61	\$9,670 23
D. W. Boardman, music . . . . .	75 00	
Dunbar's Band, music . . . . .	75 00	
Medford Military Band, music . . . . .	125 00	
Charles Wood, music . . . . .	125 00	
Thomas Long & Co., prizes . . . . .	25 00	
Masten & Wells Fireworks Mfg. Co., fireworks . . . . .	300 00	
	<hr/>	
	\$3,035 61	
Inspection of Buildings account, amount transferred . . . . .	800 00	
	<hr/>	
	\$3,835 61	
Excess and Deficiency, balance to credit of account . . . . .	5,834 62	
	<hr/>	
		\$9,670 23

**County of Middlesex.**

## CREDIT.

Taxes, amount assessed . . . . .	\$48,311 73
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## DEBIT.

Cash, paid County Tax . . . . .	\$48,311 73
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**Election Expenses, City Clerk.**

## CREDIT.

Appropriations, amount assessed . . . . .	\$1,000 00
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## DEBIT.

Cash, paid Somerville Journal Co., printing and advertising . . . . .	\$234 31	
The Citizen Co., printing and adver- tising . . . . .	63 26	
Thomas Groom & Co., stationery . . . . .	203 05	
John Donnelly & Sons, posting . . . . .	25 00	
Sprague & Hathaway Co., mounting ward maps . . . . .	13 40	
Robert S. Robson, repairing ballot boxes . . . . .	27 00	
Cotton & Gould, election crayons . . . . .	12 00	
Whitney & Snow, hammers, tacks, etc. . . . .	1 59	
Charles L. Underhill, box handle, etc. . . . .	2 60	
M. E. Youngjohn, tape . . . . .	45	
Commonwealth of Massachusetts, count- ing apparatus . . . . .	85 00	
Eugene Mead, carriage hire . . . . .	60 00	
L. H. Brown, carriage hire . . . . .	60 00	
	<hr/>	
	\$787 66	
Excess and Deficiency, balance to credit of account . . . . .	212 34	
	<hr/>	
		\$1,000 00

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

## CREDIT.

Appropriations, amount assessed . . . . .	\$1,200 00
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## DEBIT.

Cash, paid Simon Connor & Co., rent of hall	\$90 00
F. H. Dudley, rent of hall . . . . .	8 00
Warren E. Locke, rent of hall . . . . .	21 00
Mulliken & Moore, rent of hall . . . . .	10 00
Philip Eberle, rent of hall . . . . .	100 00
Young Men's Christian Association, rent of hall . . . . .	6 00
Odd Fellows' Association, rent of hall . . . . .	15 00
William T. Higgins, care of ward room . . . . .	7 50
Charles Weston, care of ward room . . . . .	12 50
George A. McGunnigle, care of ward room . . . . .	11 00
J. C. Sampson, care of ward room . . . . .	9 00
Alfred F. Shiner, care of ward room . . . . .	7 58
A. B. Colesworthy, care of ward room . . . . .	10 50
F. S. Dickinson, care of ward room . . . . .	11 00
N. L. Pennock, care of ward room . . . . .	11 00
Charles Gale, care of ward room . . . . .	6 00
E. P. Cook, care of ward room . . . . .	5 00
J. W. Rich, care of ward room . . . . .	12 50
John F. O'Brien, care of ward room . . . . .	13 78
E. T. Peterson, care of ward room . . . . .	5 00
J. H. Kelley, care of ward room . . . . .	9 00
R. C. Burckes, care of ward room . . . . .	5 00
D. G. Marston, care of ward room . . . . .	11 00
J. M. Rich, care of ward room . . . . .	10 00
Harris P. Tibbetts, carpentering . . . . .	652 85
Arthur W. Berry, carpentering . . . . .	71 80
Copithorne Brothers, oil can . . . . .	1 80
Herbert Wood, lock work . . . . .	1 30

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\$1,135 11

Excess and Deficiency, balance to credit of account . . . . .	64 89
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\$1,200 00

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

## CREDIT.

Appropriations, amount assessed . . . . .	\$1,700 00
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## DEBIT.

Cash, paid Ward and Precinct Officers . . . . .	\$1,602 00
Excess and Deficiency, balance to credit of account . . . . .	98 00

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\$1,700 00

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**Election Expenses, Registrars of Voters.**

## CREDIT.

Appropriations, amount assessed . . . . .	\$1,800 00
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## DEBIT.

Cash, paid Cronwell G. Rowell, salary as registrar . . . . .	\$200 00	
George I. Vincent, salary as registrar . . . . .	200 00	
Charles P. Lincoln, salary as registrar . . . . .	200 00	
Charles E. Parks, salary as registrar . . . . .	200 00	
Charles G. Brett, clerical assistance . . . . .	51 00	
Frederic W. Cook, clerical assistance . . . . .	63 00	
Frank E. Merrill, clerical assistance . . . . .	51 00	
Charles S. Robertson, clerical assistance . . . . .	63 00	
William P. Mitchell, clerical assistance . . . . .	3 00	
Somerville Journal Co., printing and advertising . . . . .	437 75	
The Citizen Co., printing and advertising . . . . .	57 88	
Thomas Groom & Co., printing and stationery . . . . .	40 00	
John Donnelly & Sons, posting voting lists . . . . .	134 00	
L. H. Brown, carriage hire . . . . .	12 00	
	<hr/>	
	\$1,712 63	
Excess and Deficiency, balance to credit of account . . . . .	87 37	
	<hr/>	
		\$1,800 00

**Electrical Department.**

## CREDIT.

Appropriations, amount assessed . . . . .	\$7,000 00	
Interest account, amount transferred . . . . .	500 00	
Cash, received of Boston Elevated Railway Co., labor . . . . .	\$53 75	
West End Street Railway Co., labor . . . . .	76 25	
John F. Fallon, old iron . . . . .	10 10	
	<hr/>	
		140 10
		<hr/>
		\$7,640 10

## DEBIT.

Cash, paid Edward Backus, salary as superintendent of electric lines and lights disbursements . . . . .	\$1,200 00	
Laborers . . . . .	3,267 50	
W. E. Decrow & Co., electrical supplies . . . . .	1,623 81	
Pettingell-Andrews Co., electrical supplies . . . . .	165 03	
Dennis Kelley, electrical supplies . . . . .	3 00	
	<hr/>	
Amounts carried forward . . . . .	\$6,260 24	\$7,640 10

Amounts brought forward . . . . .	\$6,260 24	\$7,640 10
Electric Gas Lighting Co., electrical supplies . . . . .	193 36	
Western Electric Co., electrical supplies . . . . .	160 04	
Anchor Electric Co., electrical supplies . . . . .	14 50	
M. F. Underwood, electrical supplies . . . . .	8 00	
Couch & Seeley Co., telephone and jack . . . . .	18 75	
Chandler & Farquhar, tools . . . . .	41 92	
W. E. Plumer & Co., hardware . . . . .	80	
Underhill Hardware Co., hardware . . . . .	11 05	
Boston Bolt Co., screws . . . . .	8 73	
C. W. H. Moulton & Co., wire cutter . . . . .	12 00	
Safety Insulated Wire & Cable Co., cable and reel . . . . .	38 50	
John T. Sellon, glass . . . . .	6 60	
Elijah Walker, cross arms, etc. . . . .	5 76	
I. H. Brown Moulding Co., lumber . . . . .	6 59	
William H. Wood & Co., lumber . . . . .	8 97	
Derby Desk Co., lumber . . . . .	2 25	
I. H. Wiley & Co., paint, etc. . . . .	11 22	
W. E. Daniels & Co., framing map . . . . .	7 35	
Charles E. Perry & Co., register rolls . . . . .	44 20	
C. B. Fagan, dentistry . . . . .	3 00	
John B. Rufer, horseshoeing . . . . .	4 30	
Fire Department, board of horses . . . . .	312 00	
D. J. Bennett, harness work . . . . .	88 45	
Charles E. Berry, harness work . . . . .	6 25	
J. T. Macneill, harness work . . . . .	65	
Kimball Brothers & Co., wagon . . . . .	135 00	
Thomas W. Gleeson, repairs, etc. . . . .	57 00	
Charles L. Underhill, repairs . . . . .	8 65	
Kilroy Brothers, repairs . . . . .	4 75	
Fred W. Farrar, repairing timer . . . . .	3 00	
Western Electrical Instrument Co., repairing meter . . . . .	12 52	
Howe & Flint, pipe, etc. . . . .	5 40	
C. S. Knowles, glass insulators . . . . .	17 95	
George F. Hughes, oil and paint . . . . .	3 32	
W. H. Bullard, soap and candles . . . . .	1 16	
Thomas Groom & Co., stationery . . . . .	8 78	
Somerville Citizen Co., stationery . . . . .	4 75	
Somerville Journal Co., cards and printing . . . . .	46 00	
Somerville Post-office, stamps . . . . .	5 00	
A. E. Jacobs, rubber stamps and pad . . . . .	60	
Pneumatic Hand Stamp Co., stamp and pad . . . . .	1 15	
Sage's Trunk Depot, bag . . . . .	3 00	
George T. Day, expressing . . . . .	13 45	
American Express Co., expressing . . . . .	3 65	
Gilman Express Co., expressing . . . . .	2 61	
Glines & Co., expressing . . . . .	1 40	
E. R. Perham, expressing . . . . .	15	
A. G. Renner, expressing . . . . .	15	
	<hr/>	
	\$7,614 92	
Excess and Deficiency, balance to credit of account . . . . .	25 18	
	<hr/>	
		\$7,640 10

**Excess and Deficiency.**

## CREDIT.

Balance from 1899 . . . . .	\$36,991 52
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## DEBIT.

Street Lights, amount transferred . . . . .	\$36,991 52
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## CREDIT.

Assessors, credit balance of account . . . . .	\$478 30
City Auditor, credit balance of account . . . . .	21 63
City Clerk, credit balance of account . . . . .	861 90
City Engineer, credit balance of account . . . . .	224 28
City Messenger, credit balance of account . . . . .	226 05
City Treasurer, credit balance of account . . . . .	6,776 81
Contingent Fund, credit balance of account . . . . .	5,834 62
Election Expenses:—	
City Clerk, credit balance of account . . . . .	212 34
Registrars of Voters, credit balance of account . . . . .	87 37
Commissioner of Public Buildings, credit balance of account . . . . .	64 89
Pay of Election Officers, credit balance of account . . . . .	98 00
Electrical Department, credit balance of account . . . . .	25 18
Executive Department, credit balance of account . . . . .	354 23
Fire Department, credit balance of account . . . . .	1,087 25
Highways, Shade Trees, credit balance of account . . . . .	211 00
Highways, Watering Streets, credit balance of account . . . . .	1,727 53
Inspection of Buildings, credit balance of account . . . . .	106 05
Interest, credit balance of account . . . . .	6,756 99
Military Aid, credit balance of account . . . . .	151 50
Printing and Stationery, credit balance of account . . . . .	1,710 45
Public Buildings Maintenance:—	
City Hall, credit balance of account . . . . .	193 55
City Hall Annex, credit balance of account . . . . .	192 98
Health Department, credit balance of account . . . . .	35 44
Highways, credit balance of account . . . . .	131 37
Sewer Department, credit balance of account . . . . .	142 17
Water Department, credit balance of account . . . . .	95
Public Grounds, credit balance of account . . . . .	31
School Contingent, credit balance of account . . . . .	1,543 43
Sealer of Weights and Measures, credit balance of account . . . . .	359 39
Sewers, Maintenance, credit balance of account . . . . .	27 76
Soldiers' Relief, credit balance of account . . . . .	414 81
Street Lights, credit balance of account . . . . .	267 03
Support of Poor, Miscellaneous, credit balance of account . . . . .	649 12
Water Maintenance, credit balance of account . . . . .	708 02
Water Works Extension, credit balance of account . . . . .	128 14
	<hr/>
	\$31,810 84

## DEBIT.

City Solicitor, debit balance of account . . . . .	\$32 28
Clerk of Committees and Departments, debit balance of account . . . . .	115 12
	<hr/>
Amounts carried forward . . . . .	\$147 40
	<hr/>
	\$31,810 84



Amounts brought forward . . . . .	\$147 40	\$31,810 84
Health Department, debit balance of account . . . . .	222 57	
Police, debit balance of account . . . . .	7,364 44	
Public Buildings Maintenance:—		
Fire Department, debit balance of account . . . . .	156 19	
Police, debit balance of account . . . . .	82 21	
Public Library, debit balance of account . . . . .	673 34	
Schoolhouses, debit balance of account . . . . .	1,497 69	
Support of Poor, debit balance of account . . . . .	373 11	
Reduction of Funded Debt, debit balance of account . . . . .	10,502 86	
School Teachers' Salaries, debit balance of account . . . . .	129 97	
Sidewalks, Maintenance, debit balance of account . . . . .	542 36	
Support of Poor, City Home, debit balance of account . . . . .	75 72	
	<hr/>	
	\$21,767 86	
Balance to credit of account, 1901 . . . . .	10,042 98	
	<hr/>	
		\$31,810 84

**Executive Department.**

## CREDIT.

Appropriations, amount assessed . . . . .		\$4,000 00
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## DEBIT.

Cash, paid George O. Proctor, salary as mayor . . . . .	\$2,500 00	
Fred E. Warren, secretary to the mayor . . . . .	961 53	
Aymar & Bradlee, typewriter . . . . .	87 75	
Somerville Journal Co., printing and stationery . . . . .	21 85	
Samuel Ward Co., stationery and supplies . . . . .	5 93	
New England Telephone & Telegraph Co., rentals and tolls . . . . .	42 56	
Somerville Post-office, stamps . . . . .	26 00	
American Express Co., expressing . . . . .	15	
	<hr/>	
	\$3,645 77	
Excess and Deficiency, balance to credit of account . . . . .	354 23	
	<hr/>	
		\$4,000 00

**Fire Department.**

## CREDIT.

Appropriations, amount assessed . . . . .		\$58,000 00
Cash, received of Louis H. Carr, bill previously paid . . . . .	\$1 27	
Electrical Department, board of horses . . . . .	312 00	
	<hr/>	
		313 27
	<hr/>	
Amount carried forward . . . . .		\$58,313 27

Amount brought forward . . . . . \$58,313 27

## DEBIT.

Cash, paid James R. Hopkins, chief engineer . . . . .	\$1,800 00	
Nathaniel C. Barker, assistant engineer . . . . .	600 00	
Permanent firemen and substitutes . . . . .	31,491 42	
Steamer Co. No. 1, callmen . . . . .	1,499 50	
Steamer Co. No. 2, callmen . . . . .	1,290 58	
Steamer Co. No. 4, callmen . . . . .	1,441 29	
Hose Co. No. 2, callmen . . . . .	1,255 64	
Hose Co. No. 3, callmen . . . . .	1,427 50	
Hose Co. No. 5, callmen . . . . .	1,345 58	
Hose Co. No. 6, callmen . . . . .	1,013 00	
Hook & Ladder Co. No. 1, callmen . . . . .	1,794 49	
Hook & Ladder Co. No. 2, callmen . . . . .	1,900 05	
Luther F. Bickers, extra fire duty . . . . .	2 00	
Otty T. Teakles, extra fire duty . . . . .	2 00	
John H. Ford, extra fire duty . . . . .	4 00	
Michael H. Kennedy, extra fire duty . . . . .	2 00	
Martin S. Lacey, extra fire duty . . . . .	4 50	
Clarence Alley, extra fire duty . . . . .	2 00	
Horace L. Duncklee, extra fire duty . . . . .	2 00	
George A. Bixby, extra fire duty . . . . .	2 00	
John M. Fallon, extra fire duty . . . . .	4 50	
LeBarron, Emery, extra fire duty . . . . .	2 00	
Fred L. Jensen, extra fire duty . . . . .	2 00	
Martin E. Driscoll, extra fire duty . . . . .	2 00	
Hosmer, Robinson, & Co., hay . . . . .	1,293 49	
Gilmore, Smith, & Co., hay . . . . .	846 23	
Fulton O'Brion, hay and grain . . . . .	305 94	
G. W. Ladd Co., hay and grain . . . . .	176 85	
Nathan Tufts & Sons, grain . . . . .	640 85	
Powers & Co., grain . . . . .	90 20	
J. A. Marsh, hay and straw . . . . .	14 95	
John B. Rufer & Co., use of horses . . . . .	10 00	
John B. Rufer, horseshoeing . . . . .	216 66	
I. B. Walker, horseshoeing . . . . .	200 95	
W. H. Richardson, horseshoeing . . . . .	166 50	
M. E. Crouse, horseshoeing . . . . .	143 50	
A. Clement, horseshoeing . . . . .	72 54	
William Buckley, horseshoeing . . . . .	60 50	
J. H. Thompson, horseshoeing . . . . .	34 80	
Edward O'Brien, horseshoeing . . . . .	26 80	
I. W. Hamilton, horseshoeing . . . . .	6 75	
George McDormand, horseshoeing . . . . .	1 00	
McBarron & Co., horseshoes . . . . .	10 10	
Charles E. Berry, repairing apparatus . . . . .	313 88	
Hale & Mayhew Co., repairing apparatus . . . . .	207 20	
Welch, Dwyer, & Grady, repairing apparatus . . . . .	127 58	
E. Teel & Co., repairing apparatus . . . . .	114 70	
Charles L. Underhill, repairing apparatus . . . . .	20 39	
S. D. Hicks & Son, repairing apparatus . . . . .	20 18	
L. A. Wright, repairing apparatus . . . . .	15 50	
Amounts carried forward . . . . .	\$52,028 09	\$58,313 27

Amounts brought forward . . . . .	\$52,028 09	\$58,313 27
Harry Hunt, repairing apparatus . . . . .	8 83	
Edward Kendall & Son, repairing apparatus . . . . .	6 73	
G. A. Anderson, repairing apparatus . . . . .	6 00	
Howe & Flint, repairing apparatus . . . . .	80	
A. J. Wilkinson & Co., tools . . . . .	60	
George F. Hughes, canvas . . . . .	2 50	
John L. Crafts, canvas covers, etc. . . . .	52 45	
Cornelius Callahan Co., hose, etc. . . . .	1,013 10	
Henry K. Barnes, nozzle and hose . . . . .	296 89	
Boston Belting Co., couplings and hose . . . . .	415 09	
Fabric Fire Hose Co., hose . . . . .	225 00	
Boston Woven Hose & Rubber Co., hose . . . . .	185 77	
Eureka Fire Hose Co., hose . . . . .	70 00	
D. J. Bennett, harness work . . . . .	116 75	
Hill & Hill, harness work . . . . .	73 58	
E. Spalding, harness work . . . . .	19 40	
J. T. Macneill, harness work . . . . .	7 40	
D. McDonald, harness work . . . . .	5 90	
H. O. Austin, harness work . . . . .	5 75	
Combination Ladder & R. I. Coupling Co., hooks . . . . .	14 00	
F. H. Flagg, hook handle . . . . .	1 25	
W. G. Hallock, dusters . . . . .	38 70	
R. L. Leonard, brushes . . . . .	4 50	
Leander Barber, brooms . . . . .	18 00	
Braman, Dow, & Co., hardware . . . . .	20 40	
Whitney & Snow, hardware . . . . .	14 45	
W. E. Plumer & Co., hardware . . . . .	6 55	
Rinaldo Eldridge, scrapers . . . . .	3 00	
Joseph Breck & Sons, grindstone . . . . .	6 00	
J. S. Trowbridge Co., scales . . . . .	12 00	
R. Dreyer, oil . . . . .	71 66	
W. H. Bullard, oil . . . . .	35 82	
E. S. Sparrow & Co., oil . . . . .	8 88	
James Bartley, oil . . . . .	6 50	
John H. Givan, oil . . . . .	4 75	
A. F. Carpenter, oil . . . . .	3 60	
Leonard & Co., oil . . . . .	3 50	
H. W. Burgess, oil . . . . .	3 00	
J. A. Durell, oil . . . . .	2 55	
Elias Lathrop, ointment . . . . .	8 00	
A. W. Chesterton Co., grease . . . . .	1 25	
Ford & Dennen, soap . . . . .	8 25	
New England Soap Co., soap . . . . .	9 15	
Cleansing & Polishing Co., polish . . . . .	8 00	
Alden Speare's Sons & Co., polish . . . . .	3 38	
L. G. Stone, polish . . . . .	8 00	
F. W. Gregory & Co., oil and soap . . . . .	29 82	
J. H. Brown, lubricant . . . . .	3 00	
Margaret Calvert, washing . . . . .	132 33	
Mrs. I. C. Jackson, washing . . . . .	59 97	
Mrs. W. Loveland, washing . . . . .	58 50	
Samuel H. Stevens, washing . . . . .	49 35	
Mrs. E. F. Trefren, washing . . . . .	35 50	
Amounts carried forward . . . . .	\$55,234 24	\$58,313 27

Amounts brought forward . . . . .	\$55,234 24	\$58,313 27
A. M. Spike, washing . . . . .	34 49	
Boston & Suburban Laundry Co., washing . . . . .	2 15	
Eastern Drug Co., soda . . . . .	121 64	
West & Jenney, vitriol . . . . .	4 62	
John G. Lesure, horse medicine . . . . .	16 00	
Charles R. Simpson, veterinary ser- vices . . . . .	34 50	
H. B. Welles, dentistry . . . . .	70 00	
Eastern Salt Co., salt . . . . .	3 00	
Sulpho Naphthol Co., naphthol . . . . .	12 00	
W. W. Reid Mfg. Co., liquids . . . . .	12 00	
Red Cross Chemical Co., fluid . . . . .	6 60	
S. F. Hayward & Co., expander . . . . .	10 00	
Harry A. Glazier, cups for hangers . . . . .	8 40	
Ame & Co., food . . . . .	36 00	
Frank E. Fitts Mfg. & Supply Co., waste . . . . .	9 88	
Joseph Palmer, repairing springs . . . . .	27 65	
Rubber Tire Wheel Co., repairing tires . . . . .	41 00	
Underhill Hardware Co., repairing tools . . . . .	21 84	
Charles River Iron Works, repairing boiler . . . . .	9 72	
Derby Desk Co., repairing desk . . . . .	3 00	
Gleason & Bailey, fire hats . . . . .	49 25	
W. E. Decrow, rubber gloves . . . . .	6 00	
John H. Graham & Co., fire bell . . . . .	20 00	
Mitchell Mfg. Co., badges . . . . .	38 75	
Scovill Mfg. Co., buttons . . . . .	10 12	
Oak Hall Clothing Co., insignia . . . . .	6 64	
C. H. Daley, insignia . . . . .	2 00	
Boston Regalia Co., insignia . . . . .	1 50	
W. P. Butterfield & Sons, chamois . . . . .	15 00	
Wilbur P. Rice, lumber . . . . .	2 22	
I. H. Brown Moulding Co., board . . . . .	25	
M. F. Underwood, squeegees . . . . .	12 00	
J. F. Berton, painting . . . . .	1 50	
William A. Haskell, mops, etc. . . . .	8 50	
Archibald Wheel Co., wheels . . . . .	243 64	
William T. Henderson, fuel wagon . . . . .	175 00	
A. M. Prescott, use of horses . . . . .	22 00	
Nahum J. Busby & Co., ladder . . . . .	12 00	
F. D. Weld, shavings, etc. . . . .	38 25	
T. H. Quimby, filing saws . . . . .	40	
Herbert Wood, filing saws . . . . .	40	
Union Square Furniture Co., com- forters . . . . .	14 00	
Jordan, Marsh, & Co., sheets . . . . .	40 20	
Adams, Cushing, & Foster, books . . . . .	4 45	
Thomas Groom & Co., books . . . . .	2 25	
Somerville Post-office, stamps . . . . .	5 00	
H. D. Padelford, stamps, etc. . . . .	7 25	
The Citizen Co., printing . . . . .	11 50	
Pneumatic Hand Stamp Co., stamps . . . . .	4 75	
Cambridge Ice Co., ice . . . . .	30 17	
Fresh Pond Ice Co., ice . . . . .	29 89	
Amounts carried forward . . . . .	\$56,533 61	\$58,313 27

Amounts brought forward . . . . .	\$56,533 61	\$58,313 27
Winter Hill Ice Co., ice . . . . .	6 00	
Boston Ice Co., ice . . . . .	6 00	
Charlestown Gas & Electric Co., gas . . . . .	10 45	
James R. Hopkins, disbursements . . . . .	1 10	
J. R. Fenelon & Co., premium of insurance . . . . .	11 50	
Edwin F. Trefren, reimbursement for suit for damages . . . . .	325 00	
New England Telephone & Telegraph Co., rentals and tolls . . . . .	213 56	
Wellington-Wild Coal Co., fuel . . . . .	70 00	
L. H. Brown, carriage hire . . . . .	10 00	
George T. Day, expressing . . . . .	20 46	
Bancroft's Express, expressing . . . . .	5 51	
Glines & Co., expressing . . . . .	4 55	
J. H. Grundy, expressing . . . . .	3 47	
American Express Co., expressing . . . . .	1 50	
Gilman's Express Co., expressing . . . . .	1 21	
E. R. Perham, expressing . . . . .	1 95	
Thorpe's Express, expressing . . . . .	15	
	<hr/>	
	\$57,226 02	
Excess and Deficiency, balance to credit of account . . . . .	1,087 25	
	<hr/>	
		\$58,313 27

**Fire Department, Fire Apparatus for Ladder Two Station.**

## CREDIT.

Appropriations, amount appropriated by borrowing on Funded Debt account . . . . .	\$3,000 00
Fire Department, Fire Station, Clarendon Hill, amount transferred . . . . .	32 72
	<hr/>
	\$3,032 72

## DEBIT.

Cash, paid Charles T. Holloway & Co., chemical and hose wagon . . . . .	\$1,950 00
Welch & Hall, horses . . . . .	335 00
Henry K. Barnes, hose . . . . .	652 00
D. J. Bennett, harness work . . . . .	50 00
J. R. Hopkins, expenses . . . . .	43 00
	<hr/>
	\$3,030 00
Balance to credit of account, 1901 . . . . .	2 72
	<hr/>
	\$3,032 72

**Fire Department, Fire Station, Clarendon Hill.**

## CREDIT.

Balance from 1899 . . . . .	\$32 72
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## DEBIT.

Fire Department, Fire Apparatus for Ladder Two Station, amount transferred . . . . .	\$32 72
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**Fire Department, Fire Station No. 1.**

## CREDIT.

Balance from 1899 . . . . .	\$1,000 00
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## DEBIT.

Cash, paid Trustees of Mt. Benedict Land Co., 937 feet land . . . . .	\$702 75
Balance to credit of account, 1901 . . . . .	297 25
	<hr/>
	\$1,000 00

**Funded Debt.**

## CREDIT.

Balance from 1899 . . . . .	\$1,492,500 00
Cash, received from sale of City Loan Bonds Nos. 2626 to 2777 . . . . .	152,000 00
	<hr/>
	\$1,644,500 00

## DEBIT.

## Cash, paid Sundry Persons:—

City Loan Bonds Nos. 1629 to 1637 . . . . .	\$9,000 00
City Loan Bonds Nos. 1810 to 1827 . . . . .	18,000 00
City Loan Bonds Nos. 2088 to 2097 . . . . .	10,000 00
City Loan Bonds Nos. 2245 to 2255 . . . . .	11,000 00
City Loan Bonds Nos. 2376 to 2386 . . . . .	11,000 00
City Loan Bonds Nos. 2516 to 2523 . . . . .	8,000 00
City Loan Bonds Nos. 1093 to 1102 . . . . .	10,000 00
City Loan Bonds Nos. 1139 to 1142 . . . . .	4,000 00
City Loan Bonds Nos. 1203 to 1208 . . . . .	6,000 00
City Loan Bonds Nos. 1469 to 1492 . . . . .	24,000 00
City Loan Bonds Nos. 1304 to 1313 . . . . .	10,000 00
City Loan Paving Bonds Nos. 36 to 40 . . . . .	5,000 00
Sewer Loan Bond No. 59 . . . . .	1,000 00
Sewer Loan Bond No. 176 . . . . .	1,000 00
Sewer Loan Bond No. 200 . . . . .	1,000 00
Sewer Loan Bond No. 42 . . . . .	1,000 00
Sewer Loan Bonds Nos. 90 to 93 . . . . .	4,000 00
Water Loan Bonds Nos. 183 to 195 . . . . .	12,500 00
Water Loan Bond No. 289 . . . . .	1,000 00
Water Loan Bond No. b451 . . . . .	1,000 00
Water Loan Bonds Nos. 200 to 202 . . . . .	3,000 00
Water Loan Bonds Nos. 343 to 344 . . . . .	2,000 00
Water Loan Bonds Nos. 416 to 417 . . . . .	2,000 00
Water Loan Bonds Nos. a448 to a458 . . . . .	11,000 00

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 \$166,500 00

Balance to credit in account of 1901 . . . . .	1,478,000 00
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 \$1,644,500 00
 

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**Health Department.**

## CREDIT.

Appropriations, amount assessed . . . . .		\$30,000 00
Cash, received of Hannibal S. Pond, offal . . . . .	\$1,025 00	
J. E. Richardson, milk inspector's fees . . . . .	140 40	
George F. McKenna, horse . . . . .	60 00	
M. P. Canfield, horse . . . . .	50 00	
William P. Mitchell, permits to keep goats, etc. . . . .	44 00	
C. S. Philbrick, milk inspector's fees . . . . .	3 50	
Howard Hamblen, bill previously paid . . . . .	90	
William S. McIntire, manure . . . . .	19 00	
	<hr/>	1,342 80
		<hr/>
Excess and Deficiency, balance to debit of account . . . . .		\$31,342 80
		222 57
		<hr/>
		\$31,565 37

## DEBIT.

Cash, paid Caleb A. Page, salary as in- spector . . . . .	\$1,200 00	
disbursements . . . . .	34 40	
Sundry persons, burying animals . . . . .	93 50	
George W. S. Huse, salary as superin- tendent . . . . .	900 00	
Charles S. Philbrick, salary as milk in- spector . . . . .	66 67	
J. E. Richardson, salary as milk in- spector . . . . .	333 34	
disbursements . . . . .	13 15	
Charles M. Berry, inspector of animals and provisions . . . . .	600 00	
disbursements . . . . .	27 95	
Laborers . . . . .	21,183 33	
Gilmore, Smith, & Co., hay . . . . .	1,340 90	
Nathan Tufts & Sons, grain . . . . .	1,643 04	
M. E. Crouse, horseshoeing . . . . .	247 40	
Edward O'Brien, horseshoeing . . . . .	162 64	
Ira L. Roberts, horseshoeing . . . . .	62 89	
I. B. Walker, horseshoeing . . . . .	3 50	
P. J. Kenney, horseshoeing . . . . .	2 50	
Welch & Hall, horses . . . . .	1,135 00	
D. J. Bennett, harness work . . . . .	453 05	
A. S. Lohnes & Co., carts . . . . .	220 00	
Hill & Hill, cart and covers . . . . .	51 13	
Hale & Mayhew Co., repairing wagons . . . . .	785 41	
Charles L. Underhill, repairing wagons . . . . .	116 95	
J. W. Downes, veterinary services . . . . .	21 95	
Charles R. Simpson, veterinary services . . . . .	111 95	
Charles Booth, hired teams . . . . .	4 25	
Neils A. Dolleris, bicycle . . . . .	18 00	
Eastern Drug Co., sulphur . . . . .	8 39	
New England Vaccine Co., virus . . . . .	17 43	
	<hr/>	
Amounts carried forward . . . . .	\$30,858 72	\$31,565 37

Amounts brought forward . . . . .	\$30,858 72	\$31,565 37
Melvin & Badger, regenerator, etc. . . . .	106 00	
E. F. Benson, repairing regenerator . . . . .	10 00	
A. E. Wallis, repairing regenerator . . . . .	2 00	
Whitall, Tatum, & Co., drying oven, etc. . . . .	10 10	
L. E. Knott Apparatus Co., lactoscope . . . . .	3 00	
Fox, Fultz, & Co., scales . . . . .	54 52	
John Fisher & Co., offal tubs . . . . .	10 80	
J. A. Durell, tools . . . . .	84 11	
G. F. Matthews, lumber . . . . .	6 94	
W. H. Morris, lumber . . . . .	75	
Arthur C. Gordon, painting signs . . . . .	9 00	
Charles H. Berry, filling land . . . . .	3 00	
Moseley Stoddard Mfg. Co., bottles, etc. . . . .	14 00	
Solshine Mfg. Co., polish . . . . .	7 00	
A. McArthur & Co., cloth . . . . .	4 75	
Union Square Furniture Co., bed, mat- tress, and pillow . . . . .	7 25	
Margaret McCabe, washing . . . . .	1 50	
Somerville Journal Co., printing . . . . .	56 05	
Citizen Co., printing . . . . .	14 00	
Thomas Groom & Co., books . . . . .	114 40	
New England Telephone & Telegraph Co., rentals and tolls . . . . .	49 16	
Edward A. Binney, premium of insur- ance . . . . .	24 00	
Arthur R. Perry, M. D., professional services . . . . .	2 00	
Somerville Post-office, stamps . . . . .	63 00	
J. H. Thompson, carriage hire . . . . .	7 00	
Milton H. Plummer, peppermint . . . . .	6 47	
Milton H. Plummer, express . . . . .	12 55	
C. H. Crane, express . . . . .	8 55	
American Express Co., expressing . . . . .	8 20	
Gilman Express Co., expressing . . . . .	1 95	
Thorpe's Express, expressing . . . . .	1 80	
Howard Hamblen, expressing . . . . .	1 80	
M. G. Staples, expressing . . . . .	50	
Boyle Express Co., expressing . . . . .	50	
		<u>\$31,565 37</u>

### Highway Betterment Assessments.

#### CREDIT.

Cash, received of sundry persons . . . . .	\$17 00
Highways, Construction, assessments abated . . . . .	679 19
	<u>\$696 19</u>
Balance to debit of account, 1901 . . . . .	931 99
	<u>\$1,628 18</u>

#### DEBIT.

Highways, Construction, assessments levied . . . . .	\$1,628 18
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**Highways, Boston Avenue Bridge.**

## CREDIT.

Appropriations, amount appropriated by borrowing on Funded Debt account	\$6,500 00	
Balance to debit of account, 1901	2,292 32	
		<u>\$8,792 32</u>

## DEBIT.

Cash, paid Holbrook, Cabot, & Daley, on account of contract	\$8,484 04	
City Engineer's account, inspection	225 00	
Somerville Journal Co., printing	42 75	
George O. W. Servis, car fares	13 88	
George O. W. Servis, photographs	4 50	
Ernest W. Bailey, disbursements	6 50	
Howard Lowell & Son, use of horse and carryall	2 50	
Sewers Maintenance account, digging test pits	8 75	
Middlesex Registry of Deeds, recording plans	2 65	
Medford Mercury, advertising hearing	1 75	
		<u>\$8,792 32</u>

**Highways, Construction.**

## CREDIT.

Appropriations, amount assessed	\$2,000 00	
Cash, received of State of Massachusetts, street railway tax	\$10,000 00	
Highway Betterment Assessments, assessments levied	1,628 18	
William H. Berry, removing buildings	40 00	
		<u>11,668 18</u>
		<u>\$13,668 18</u>

## DEBIT.

Cash, paid laborers	\$4,266 50	
Highways Maintenance account, use of teams and materials	4,003 09	
Ellis & Buswell, labor and materials	1,691 89	
Adelbert B. Carpenter, taking of land on Wesley street	600 00	
George W. Hobbs, taking of land on Wesley street	150 00	
Holbrook, Cabot, & Daly, bridge across Arlington brook on Broadway	525 00	
extras	66 93	
T. F. Crimmings, broken stone	31 20	
S. & R. J. Lombard, edgestones	31	
Amounts carried forward	<u>\$11,334 92</u>	<u>\$13,668 18</u>

Amounts brought forward . . . . .	\$11,334 92	\$13,668 18
Teel & Foster Lumber Co., lumber . . . . .	6 80	
George E. Gilchrist, fence . . . . .	131 37	
A. J. Whittemore, photographs . . . . .	4 00	
Somerville Journal Co., advertising . . . . .	83 87	
The Citizen Co., advertising . . . . .	42 75	
Middlesex Registry of Deeds, recording documents . . . . .	23 05	
Samuel F. Woodbridge, compensation for damages . . . . .	178 50	
Frank A. Teel, compensation for damages . . . . .	60 00	
Highway Betterment Assessments, assessments abated . . . . .	679 19	
	<hr/>	
	\$12,544 45	
Excess and Deficiency, balance to credit of account . . . . .	1,123 73	
	<hr/>	
		\$13,668 18
		<hr/> <hr/>

### Highways, Maintenance.

#### CREDIT.

Balance from 1899 . . . . .		\$29,471 71
Appropriations, amount assessed . . . . .		7,000 00
Cash, received of Samuel Rines, driveway . . . . .	\$37 43	
North Packing & Provision Co., driveway . . . . .	25 00	
Henry M. Taylor, driveway . . . . .	25 00	
A. S. Hill, driveway . . . . .	10 00	
Benjamin F. Brown, driveway . . . . .	10 00	
Lillian M. Tibbetts, driveway . . . . .	6 75	
Lord Brothers, driveway . . . . .	6 75	
Israel Nesson, driveway . . . . .	5 00	
Charles A. Grimmons, driveway . . . . .	2 50	
William J. McCarthy, crushed stone . . . . .	666 67	
John Turner & Co., crushed stone . . . . .	317 92	
W. L. Clark & Co., crushed stone . . . . .	25 50	
G. M. Davis & Son, crushed stone . . . . .	19 50	
Alfred H. Hines, crushed stone . . . . .	4 50	
George B. Pitcher, crushed stone . . . . .	3 48	
John B. Rufer, crushed stone . . . . .	3 25	
Trustees Tufts College, crushed stone . . . . .	3 19	
William H. Ennis, crushed stone . . . . .	3 90	
Rufus R. Wade, crushed stone . . . . .	3 05	
J. W. Russell, manure . . . . .	92 50	
Austin M. Pinkham, cleaning sidewalk . . . . .	19 50	
Massachusetts Pipe Line Gas Co., pipe . . . . .	13 31	
W. H. Richardson, lowering edgestones . . . . .	4 00	
Joseph L. Gilman, edgestones . . . . .	3 52	
Sundry Persons, trees . . . . .	6 00	
Sadie Riley, labor . . . . .	2 25	
Harry F. Curtis, labor . . . . .	2 00	
Alexander M. Averill, labor . . . . .	2 25	
Heirs George W. Hayes, labor . . . . .	10 00	
George W. Prichard, use of roller . . . . .	10 00	
	<hr/>	
Amounts carried forward . . . . .	\$1,344 72	\$36,471 71
		<hr/> <hr/>

Amounts brought forward . . . . .	\$1,344 72	\$36,471 71
Boston Elevated Railway Co., labor and materials . . . . .	1,623 37	
Commonwealth of Massachusetts, street railway tax . . . . .	48,191 05	
Boston Elevated Railway tax . . . . .	7,585 23	
Highways, Paved Gutters and Crossings, city teams and material . . . . .	11,890 01	
Highways, Construction, city teams and materials . . . . .	4,003 09	
Sidewalks, Construction, city teams and materials . . . . .	2,377 28	
Sidewalks, Maintenance, city teams and materials . . . . .	1,715 19	
Public Buildings Maintenance, Police, labor and materials . . . . .	112 76	
Public Buildings Maintenance, School-houses, city teams . . . . .	140 37	
Water Maintenance, crushed stone . . . . .	77 50	
Public Grounds, crushed stone . . . . .	8 63	
Highways, Watering Streets, city teams . . . . .	44 80	
Highways, Shade Trees, city teams . . . . .	21 00	
Public Grounds, labor . . . . .	39 38	
Sewers Construction, labor . . . . .	31 75	
Schoolhouse, Förster, Improvement, labor . . . . .	21 23	
Public Buildings Maintenance, Fire Department, sand, etc. . . . .	27 00	
	<hr/>	79,254 36
		<hr/>
		\$115,726 07

## DEBIT.

Cash, paid laborers' pay-rolls . . . . .	\$39,352 67	
John P. Prichard, salary as superintendent of streets . . . . .	2,000 00	
disbursements . . . . .	13 85	
Eugene Mead, board of superintendent's horse . . . . .	238 68	
City of Medford, one-half cost of maintaining Middlesex-avenue bridge . . . . .	446 37	
J. H. Fannon, stone . . . . .	887 12	
Frank Buttimer, stone . . . . .	852 31	
Massachusetts Broken Stone Co., stone . . . . .	521 80	
H. A. Hanscom & Co., stone . . . . .	396 66	
Timothy O'Keefe, stone . . . . .	277 27	
John F. Elkins, stone . . . . .	233 28	
J. Connors, stone . . . . .	169 41	
George H. Lowe, stone . . . . .	47 00	
Andrew Kennedy, stone . . . . .	4 41	
Mrs. Shean, stone . . . . .	12 23	
T. F. Crimmings, stone . . . . .	49 78	
Mrs. E. B. Parker, stone . . . . .	21 08	
William H. Lenox, stone . . . . .	112 59	
John G. Terry, stone . . . . .	89 46	
William J. McCarthy, stone . . . . .	45 66	
William R. Carr, stone . . . . .	10 20	
Amounts carried forward . . . . .	<hr/>	<hr/>
	\$45,781 83	\$115,726 07

Amounts brought forward . . . . .	\$45,781 83	\$115,726 07
T. B. Munroe, stone . . . . .	13 38	
Harrison Mitchell, round stone . . . . .	1,387 25	
John Turner & Co., stone, bricks, etc. . . . .	1,071 85	
Boston Elevated Railway Co., stone . . . . .	3,750 14	
J. L. Higley & Co., bricks . . . . .	431 19	
Eastern Paving Brick Co., bricks . . . . .	847 00	
S. & R. J. Lombard, paving blocks . . . . .	1,267 42	
Charles Linnehan, gravel and sand . . . . .	407 60	
John Bennett, gravel . . . . .	649 50	
James Logan, gravel . . . . .	6 80	
Charles Booth, gravel . . . . .	2 00	
D. M. Smith, stone, teaming, etc. . . . .	750 83	
W. G. Nash, cement . . . . .	15 75	
Highland Coal Co., cement . . . . .	5 30	
R. M. Sturtevant & Co., horses . . . . .	600 00	
Support of Poor, horse . . . . .	125 00	
Amos Rines, horse . . . . .	85 00	
Henderson Brothers, buggy, etc. . . . .	205 00	
A. Taylor, wagon . . . . .	130 00	
Nathan Tufts & Sons, grain . . . . .	2,008 00	
Lord & Webster, hay . . . . .	1,589 22	
Hosmer, Robinson, & Co., hay and grain . . . . .	1,087 18	
Gilmore, Smith, & Co., hay and straw . . . . .	549 76	
E. R. Lovell & Co., hay . . . . .	522 29	
W. H. Hitchings, veterinary services . . . . .	22 00	
C. H. Paine, horse medicine . . . . .	10 00	
Morgan & Bond, harness supplies . . . . .	510 52	
D. McDonald, harness work . . . . .	155 53	
Page Brothers & Co., blinders . . . . .	3 00	
Edward O'Brien, horseshoeing . . . . .	215 01	
George McDormand, horseshoeing . . . . .	97 76	
I. B. Walker, horseshoeing . . . . .	61 01	
A. Clement, horseshoeing . . . . .	54 13	
W. H. Richardson, horseshoeing . . . . .	9 75	
William Buckley, horseshoeing . . . . .	2 00	
Robert Brown, horseshoes, nails, etc. . . . .	35 39	
Whitney & Snow, hardware . . . . .	318 37	
E. S. Sparrow & Co., hardware . . . . .	136 90	
Underhill Hardware Co., hardware . . . . .	65 81	
William B. Holmes, hardware . . . . .	9 18	
J. A. Durell, hardware . . . . .	8 50	
Walker & Pratt Mfg. Co., hardware . . . . .	75	
Dodge, Haley, & Co., tools . . . . .	490 01	
W. E. Plumer & Co., tools . . . . .	190 18	
Perrin, Seamans, & Co., tools . . . . .	38 85	
Joseph Breck & Sons, tools . . . . .	35 97	
George H. Sampson, tools . . . . .	5 26	
W. L. Snow, tools . . . . .	4 65	
F. C. Ayei, lumber . . . . .	230 72	
John M. Woods & Co., lumber . . . . .	55 14	
Teele & Foster Lumber Co., lumber . . . . .	30 11	
George W. Gale Lumber Co., lumber . . . . .	19 00	
I. H. Brown Moulding Co., lumber . . . . .	1 13	
Medford Wood Work Mfg. Co., lumber . . . . .	75	
T. H. Quimby, carpentering . . . . .	26 05	
C. G. Tozier, sawing carriage stock . . . . .	1 88	
Amounts carried forward . . . . .	\$66,134 60	\$115,726 07

Amounts brought forward . . . . .	\$66,134 60	\$115,726 07
Braman, Dow, & Co., repairing boiler, etc. . . . .	73 41	
Walter W. Field, repairing road roller, etc. . . . .	18 65	
Edward Kendall & Sons, repairing road roller, etc. . . . .	3 20	
Benjamin F. Anthony & Son, repairing road roller . . . . .	21 60	
Edwin S. Cabot, repairing road roller . . . . .	1 50	
Edward Allen, repairing road roller . . . . .	80	
A. J. Wilkinson & Co., repairing road roller . . . . .	39	
Hale & Mayhew Co., repairing wheels . . . . .	96 75	
L. A. Wright, repairing wheels . . . . .	2 50	
Rowell, Dodge, & O'Brien, repairing axle . . . . .	1 00	
James H. Roberts & Co., repairing crusher . . . . .	7 00	
John W. Harmon, repairing tools . . . . .	9 00	
Harris P. Tibbetts, repairing roof . . . . .	16 65	
Mrs. C. A. Barnes, repairing piazza . . . . .	1 00	
Levi L. Parsons, labor . . . . .	7 13	
James Rawson, lettering signs . . . . .	134 80	
H. F. Engels, health food . . . . .	2 50	
John P. Squire & Co., salt . . . . .	78	
C. N. Brown & Co., vinegar, meal, etc. . . . .	5 64	
Ashton Valve Co., clamp and link . . . . .	5 00	
Edson Mfg. Co., pump, etc. . . . .	84 60	
F. D. Weld, ladders, etc. . . . .	10 05	
George H. Sampson, sand pump . . . . .	1 50	
F. H. Flagg, runners . . . . .	50 00	
Taylor Iron & Steel Co., jaw plates . . . . .	100 40	
Farrell Foundry & Machine Co., jaw plates, etc. . . . .	95 35	
Chase, Parker, & Co., chafe irons . . . . .	65	
William C. Oastler, street sweeper . . . . .	350 00	
James Forsyth, road scraper . . . . .	50 00	
Ames Plow Co., scraper . . . . .	39 19	
S. Armstrong & Co., waste barrels . . . . .	18 00	
Cling Surface Mfg. Co., cling surface . . . . .	8 75	
Oliver Whyte & Co., metal netting . . . . .	3 75	
Fairbanks Co., splice for scale . . . . .	9 75	
Armstrong Brothers, pipe . . . . .	11 75	
T. Allen, concreting . . . . .	24 15	
Henry C. Hunt Co., leather lace . . . . .	4 50	
New England Broom Co., brooms . . . . .	122 00	
I. H. Wiley & Co., paints . . . . .	176 10	
T. A. Sallaway, varnish, etc. . . . .	17 64	
Leonard & Ellis, oil . . . . .	33 15	
P. Sutherland & Co., oil . . . . .	29 06	
Buffalo Pitts Co., oil . . . . .	3 00	
Somerville Electric Light Co., ashes . . . . .	35 50	
Herbert Wood, filing saws . . . . .	15 95	
A. M. Wood Co., hoop iron, lumber, etc. . . . .	235 06	
Frank Hervey, forcite . . . . .	114 69	
Hecla Powder Co., gelatine . . . . .	11 50	
Thomas Hollis, anodyne . . . . .	7 35	
Amounts carried forward . . . . .	\$68,207 29	\$115,726 07

Amounts brought forward . . . . .	\$68,207 29	\$115,726 07
Hotel Colson, meals . . . . .	6 00	
Union Square Hotel, meals . . . . .	34 00	
B. A. Prince & Co., refreshments . . . . .	10 00	
E. F. Hicks, lunch . . . . .	30 00	
Duncan A. McKay, supplies . . . . .	1 33	
William Campbell & Co., tar kettle, etc. . . . .	33 00	
Cornelius Callahan, spreader . . . . .	1 75	
Charles A. Clafin & Co., packing, etc. . . . .	132 23	
Rand & Byam, soap . . . . .	1 76	
L. F. S. Davis, canvas cover . . . . .	2 50	
Boston Belting Co., hose, etc. . . . .	34 10	
Belmont Hill Nursery, trees . . . . .	6 00	
Patrick Lacey, building wall, etc. . . . .	928 40	
Thomas Groom & Co., stationery . . . . .	21 40	
Somerville Journal Co., books, stationery, and advertising . . . . .	69 30	
Citizen Co., stationery and advertising . . . . .	28 12	
Aaron R. Gay & Co., books . . . . .	15 00	
Robert Burlen, perforating book . . . . .	15	
Hooper, Lewis, & Co., stationery . . . . .	10 80	
H. H. Smith, stationery . . . . .	1 15	
A. E. Jacobs, stencil, etc. . . . .	4 45	
Somerville Post-office, stamps . . . . .	5 00	
Benjamin F. Freeman, photographs . . . . .	7 50	
A. J. Whittemore, photographs . . . . .	7 00	
George O. W. Servis, photographs . . . . .	2 00	
Allen Bros., stamps . . . . .	1 30	
City of Somerville, water . . . . .	10 08	
New England Telephone & Telegraph Co., rentals and tolls . . . . .	49 25	
Hartford Steam Boiler Inspection and Insurance Co., insurance . . . . .	150 00	
N. E. Fitz & Co., wharfage . . . . .	90 60	
J. H. Thompson, carriage hire . . . . .	14 00	
William Kirkland, carriage hire . . . . .	10 00	
Wellington-Wild Coal Co., fuel . . . . .	1,366 81	
Frank M. Parshley, judgment in suit for injuries . . . . .	1,046 36	
Helen M. Small, compensation for damages . . . . .	750 00	
Mary A. Bowen, compensation for damages . . . . .	650 00	
Marion Gorman, compensation for damages . . . . .	600 00	
Margaret L. O'Brien, compensation for damages . . . . .	495 00	
Middlesex Registry of Deeds, recording leases . . . . .	4 70	
Fitchburg Railroad Co., freight . . . . .	168 81	
E. R. Perham, expressing . . . . .	17 95	
Gilman Express Co., expressing . . . . .	1 29	
Bancroft's Express, expressing . . . . .	45	
Highways, Paving Davis Square, paving blocks . . . . .	171 90	
Public Buildings Maintenance, School-houses, bricks . . . . .	84 60	
Amounts carried forward . . . . .	\$75,283 33	\$115,726 07

Amounts brought forward . . . . .	\$75,283 33	\$115,726 07
Public Buildings Maintenance, Police, bricks . . . . .	6 16	
Sidewalks Construction, labor . . . . .	21 56	
Water Maintenance, pipe . . . . .	12 57	
	<hr/>	
	\$75,323 62	
Balance to credit of account, 1901 . . . . .	40,402 45	
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		\$115,726 07
		<hr/>

**Highways, Paved Gutters and Crossings.**

## CREDIT.

Appropriations, amount assessed . . . . .		\$12,000 00
Balance to debit of account, 1901 . . . . .		8,302 44
		<hr/>
		\$20,302 44

## DEBIT.

Cash, paid laborers' pay-rolls . . . . .	\$8,308 71	
George H. Lowe, constructing gutter . . . . .	88 00	
S. & R. J. Lombard, edgestones . . . . .	13 07	
Highland Coal Co., cement . . . . .	2 65	
Highways, Maintenance account, use of city teams and materials . . . . .	11,890 01	
	<hr/>	
		\$20,302 44
		<hr/>

**Highways, Paving Cross Street.**

## CREDIT.

Public Grounds, Land for Park Purposes, amount trans- ferred . . . . .		\$9,000 00
Schoolhouse in or near Ward Seven, amount transferred . . . . .		3,000 00
		<hr/>
		\$12,000 00

## DEBIT.

Balance to credit of account, 1901 . . . . .		\$12,000 00
		<hr/>

**Highways, Paving Davis Square.**

## CREDIT.

Balance from 1899 . . . . .		\$5,000 00
Appropriations, amount appropriated by borrowing on Funded Debt account . . . . .		3,500 00
Cash, received of Highways, Maintenance account, flagging . . . . .		171 90
		<hr/>
		\$8,671 90
Balance to debit of account, 1901 . . . . .		316 80
		<hr/>
Amount carried forward . . . . .		\$8,988 70

Amount brought forward . . . . . \$8,988 70

## DEBIT.

Cash, paid John Turner & Co., on account of contract . . . . .	\$4,903 35	
Eastern Paving Brick Co., on account of contract . . . . .	3,800 00	
Portland Stone Ware Co., bricks . . . . .	167 50	
F. C. Ayer, lumber . . . . .	3 74	
City Engineer's account, inspection . . . . .	87 40	
Sewers, Maintenance account, changing lines and grades . . . . .	26 71	
	<hr/>	\$8,988 70
		<hr/> <hr/>

**Highways, Paving Washington Street.**

## CREDIT.

Balance from 1899 . . . . . \$217 28

## DEBIT.

Cash, paid James Tevlin, use of team . . . . .	\$4 82	
Balance to credit of account, 1901 . . . . .	212 46	
	<hr/>	\$217 28
		<hr/> <hr/>

**Highways, Shade Trees.**

## CREDIT.

Appropriations, amount assessed . . . . . \$500 00

## DEBIT.

Cash, paid laborers . . . . .	\$75 00	
Belmont Hill Nurseries, trees . . . . .	109 00	
Thomas W. Watson, trees . . . . .	9 00	
Morse & Whyte, tree guards . . . . .	75 00	
Highways, Maintenance account, use of teams . . . . .	21 00	
	<hr/>	\$289 00
Excess and Deficiency, balance to credit of account . . . . .	211 00	
	<hr/>	\$500 00
		<hr/> <hr/>

**Highways, Watering Streets.**

## CREDIT.

Appropriations, amount assessed . . . . .	\$4,000 00	
Taxes, assessments levied . . . . .	14,968 88	
Cash, received of abutters . . . . .	84 00	
	<hr/>	\$19,052 88

## DEBIT.

Watering Streets Assessments, balance from 1899 . . . . .	\$2 88	
Cash, paid laborers . . . . .	242 00	
	<hr/>	\$244 88
Amounts carried forward . . . . .	\$244 88	\$19,052 88



Amounts brought forward . . . . .	\$244 88	\$19,052 88
Nathaniel C. Barker, overseeing . . . . .	620 50	
C. P. Brann, watering . . . . .	897 01	
George W. Prichard, watering . . . . .	620 00	
C. R. Bowlby, watering . . . . .	547 50	
Benjamin Thomas, watering . . . . .	517 66	
David M. Smith, watering . . . . .	502 66	
R. M. Sturtevant, watering . . . . .	502 66	
James H. Fannon, watering . . . . .	497 66	
A. M. Prescott, watering . . . . .	472 50	
Henry McAvoy, watering . . . . .	466 85	
Henry J. McAvoy, watering . . . . .	394 35	
Charles T. Garland, watering . . . . .	459 35	
J. A. Marsh, watering . . . . .	457 66	
J. H. Thompson, watering . . . . .	459 35	
R. A. R. Benson, watering . . . . .	443 06	
Estate of R. A. R. Benson, watering . . . . .	55 66	
Philip McGovern, watering . . . . .	454 35	
B. J. Reardon, watering . . . . .	406 85	
Frank Buttimer, watering . . . . .	445 16	
Howard Lowell, watering . . . . .	445 16	
Mrs. Thomas F. Casey, watering . . . . .	394 35	
Timothy F. Crimmings, watering . . . . .	394 35	
John F. Elkins, watering . . . . .	394 35	
John B. Rufer, watering . . . . .	394 35	
Eugene Gormley, watering . . . . .	394 35	
A. M. Wood Co., repairing carts . . . . .	19 42	
Joseph Palmer, repairing carts . . . . .	15 09	
Rowell, Dodge, & O'Brien, repairing carts . . . . .	10 05	
I. B. Walker, repairing carts . . . . .	2 90	
John B. Rufer, repairing carts . . . . .	85	
J. L. & H. K. Potter, two water carts, etc. . . . .	754 09	
I. H. Wiley & Co., paint . . . . .	122 62	
E. S. Sparrow & Co., varnish . . . . .	2 70	
Dodge, Haley, & Co., seat spring . . . . .	1 00	
Mabel Dadmun, clerical services . . . . .	77 34	
Thomas Groom & Co., books, etc. . . . .	14 00	
Highways, Maintenance account, use of teams . . . . .	44 80	
Water Works Extension account, water posts, repairs and maintenance of same	377 91	
	<hr/>	
	\$13,325 35	
Sidewalks, Construction account, amount transferred . . . . .	4,000 00	
	<hr/>	
	\$17,325 35	
Excess and Deficiency, balance to credit of account . . . . .	1,727 53	
	<hr/>	
		\$19,052 88
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**Inspection of Buildings.**

## CREDIT.

Appropriations, amount assessed . . . . .	\$3,300 00
Amount carried forward . . . . .	<hr/> \$3,300 00

Amount brought forward . . . . .	\$3,300 00
Contingent Fund, amount transferred . . . . .	800 00
Cash, received of Frederick C. Fuller, Commissioner of Public Buildings, plumbers' licenses . . . . .	31 50
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	\$4,131 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 . . . . .	800 00
Duncan C. Greene, inspector of plumbing . . . . .	1,200 00
Thomas F. Martin, plumbing stock . . . . .	5 14
The Sprague & Hathaway Co., picture frame . . . . .	10 00
E. B. McLean & Co., stamp . . . . .	45
Wadsworth, Howland, & Co., supplies . . . . .	13 85
Somerville Post-office, stamps . . . . .	7 00
Somerville Journal Co., printing and stationery . . . . .	19 25
Thomas Groom & Co., directory and sta- tionery . . . . .	7 45
The Citizen Co., printing . . . . .	4 00
Aaron R. Gay & Co., permit book . . . . .	16 00
New England Telephone and Telegraph Co., rentals and tolls . . . . .	42 31
	<hr/>
	\$4,025 45
Excess and Deficiency, balance to credit of account . . . . .	106 05
	<hr/>
	\$4,131 50

**Interest.**

## CREDIT.

Appropriations, amount assessed . . . . .	\$55,000 00
Water Works Income, amount transferred . . . . .	6,240 00
Cash, received of sundry persons on taxes and assessments . . . . .	\$14,556 77
Interest on deposits in banks . . . . .	2,045 14
	<hr/>
	16,601 91
	<hr/>
	\$77,841 91

## DEBIT.

Cash, paid on Funded Debt:—	
\$104,000, one year at 4 per cent. . . . .	\$4,160 00
\$255,000, one year at 4 per cent. . . . .	10,200 00
\$695,000, one year at 4 per cent. . . . .	27,800 00
\$74,000, six months at 4 per cent. . . . .	1,480 00
\$125,000, six months at 4½ per cent. . . . .	5,625 00
\$152,000, six months at 3½ per cent. . . . .	2,660 00
	<hr/>
	\$51,925 00
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Amount carried forward . . . . .	\$77,841 91

Amount brought forward . . . . .		\$77,841 91
On Temporary Loans:—		
Rogers, Newman, & Tolman, on note of \$50,000, six months, discounted at 3.32 per cent. . . . .	\$830 00	
Rogers, Newman, & Tolman, on note of \$50,000, six months, discounted at 3.32 per cent. . . . .	830 00	
Boston Five Cents Savings Bank, on note of \$100,000, six months, twelve days at 4.2 per cent., interest payable at maturity . . . . .	2,240 00	
Boston Five Cents Savings Bank, on note of \$100,000, six months, 4¼ per cent., interest payable at maturity . . . . .	2,125 00	
Blake Brothers & Co., on note of \$25,000, six months, discounted at 2.85 per cent. . . . .	356 25	
Blake Brothers & Co., on note of \$25,000, six months, discounted at 2.85 per cent. . . . .	356 25	
Blake Brothers & Co., on note of \$50,000, six months, discounted at 2.85 per cent. . . . .	712 50	
Rogers, Newman, & Tolman, on note of \$100,000, two months, twelve days, discounted at 3.18 per cent. . . . .	636 00	
Warren Institution for Savings, on note of \$100,000, six months, at 3½ per cent., interest payable at maturity . . . . .	1,750 00	
Boston Five Cents Savings Bank, on note of \$50,000, four months, at 3.1 per cent., payable at maturity . . . . .	516 67	
Rogers, Newman, & Tolman, on note of \$25,000, five months, eleven days, discounted at 3.45 per cent. . . . .	385 72	
Rogers, Newman, & Tolman, on note of \$25,000, five months, eleven days, discounted at 3.45 per cent. . . . .	385 73	
Rogers, Newman, & Tolman, on note of \$25,000, five months, nineteen days, discounted at 3.45 per cent. . . . .	404 90	
Rogers, Newman, & Tolman, on note of \$25,000, five months, nineteen days, discounted at 3.45 per cent. . . . .	404 90	
S. Z. Bowman, on note of \$10,000, one year, two months, twenty-four days, 4.2 per cent., payable at maturity . . . . .	518 00	
	<hr/>	\$12,451 92
On Funded Debt . . . . .	\$51,925 00	
On Temporary Loans . . . . .	12,451 92	
George O. Martin, interest on premium of tax of 1897 . . . . .	8 00	
City Engineer, amount transferred . . . . .	200 00	
Electrical Department, amount transferred . . . . .	500 00	
	<hr/>	
Amounts carried forward . . . . .	\$65,084 92	\$77,841 91

Amounts brought forward . . . . .	\$65,084 92	\$77,841 91
Support of Poor, Miscellaneous, amount transferred . . . . .	3,000 00	
Support of Poor, City Home, amount transferred . . . . .	1,000 00	
Public Grounds, Land on Prospect Hill for Park Purposes, amount transferred . . . . .	2,000 00	
	<hr/>	
	\$71,084 92	
Excess and Deficiency, balance to credit of account . . . . .	6,756 99	
	<hr/>	
		<u>\$77,841 91</u>

**Metered Water Charges.**

CREDIT.

Balance to debit of account, 1901 . . . . .		\$13,599 10
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DEBIT.

Water Works Income, meter rates for last quarter 1900, payable 1901 . . . . .	\$13,445 41	
Water Works Income, water bills uncollected . . . . .	153 69	
	<hr/>	
		<u>\$13,599 10</u>

**Military Aid.**

CREDIT.

Appropriations, amount assessed . . . . .		\$500 00
State of Massachusetts, Indigent Soldiers and Sailors . . . . .		348 50
		<hr/>
		\$848 50

DEBIT.

Cash, paid sundry persons as per pay-rolls . . . . .	\$697 00	
Excess and Deficiency, balance to credit of account . . . . .	151 50	
	<hr/>	
		<u>\$848 50</u>

**Overlay and Abatement.**

CREDIT.

Taxes, amount added by the assessors for convenience in apportionment, to be applied to abatement on taxes . . . . .		\$34,218 46
Amount of assessors' supplementary warrants . . . . .		507 60
Cash, taxes collected . . . . .		7 55
		<hr/>
		\$34,733 61

DEBIT.

Taxes, amount of abatements . . . . .	\$18,741 04	
Cash, paid George A. Came, tax of 1899 refunded . . . . .	3 26	
Henry Donaghey, tax of 1900 refunded . . . . .	8 00	
	<hr/>	
Amounts carried forward . . . . .	\$18,752 30	<u>\$34,733 61</u>

Amounts brought forward . . . . .	\$18,752 30	\$34,733 61
Eleanor Pocklington, tax of 1900 refunded . . . . .	3 20	
Daniel O. Waldron, tax of 1900 refunded . . . . .	2 00	
George F. Waldron, tax of 1900 refunded . . . . .	2 00	
Brown, Durell, & Co., tax of 1900 refunded . . . . .	8 00	
Waldemar Veazie, tax of 1900 refunded . . . . .	2 00	
	<hr/>	
	\$18,769 50	
Balance to credit of account, 1901 . . . . .	15,964 11	
	<hr/>	
		<u>\$34,733 61</u>

**Overplus on Tax Sales.**

CREDIT.		
Balance from 1899 . . . . .		\$1,668 13
DEBIT.		
Cash, paid George E. Martin, premium on taxes sold for 1897 . . . . .	\$400 00	
Francis Flint, premium on taxes of 1897 . . . . .	400 00	
	<hr/>	
	\$800 00	
Balance to credit of account, 1901 . . . . .	868 13	
	<hr/>	
		<u>\$1,668 13</u>

**Police.**

CREDIT.		
Appropriations, amount assessed . . . . .		\$22,000 00
Cash, received of Commonwealth of Massachusetts, corporation tax . . . . .	\$23,392 72	
Commonwealth of Massachusetts, national bank tax . . . . .	3,769 21	
John R. Fairbairn, Master of House of Correction, fines . . . . .	473 50	
Herbert A. Chapin, clerk of the courts, fines . . . . .	3,072 01	
Sundry persons, cloth for uniforms . . . . .	155 66	
	<hr/>	
		30,863 10
Excess and Deficiency, balance to debit of account . . . . .		7,364 44
		<hr/>
		<u>\$60,227 54</u>
DEBIT.		
Cash, paid Melville C. Parkhurst, chief . . . . .	\$1,900 00	
Robert R. Perry, captain . . . . .	1,500 00	
Edward McGarr, sergeant . . . . .	1,200 00	
Christopher Cavanagh, sergeant . . . . .	1,200 00	
Dennis Kelley, sergeant . . . . .	1,200 00	
Eugene A. Carter, sergeant . . . . .	1,200 00	
Charles E. Woodman, sergeant . . . . .	1,200 00	
John E. Fuller, patrolman . . . . .	1,095 00	
George D. Smith, patrolman . . . . .	1,092 00	
	<hr/>	
Amounts carried forward . . . . .	\$11,587 00	\$60,227 54

Amounts brought forward . . . . .	\$11,587 00	\$60,227 54
Edward M. Carter, patrolman . . . . .	1,095 00	
George W. Bean, patrolman . . . . .	1,092 00	
Phineas W. Skinner, patrolman . . . . .	1,095 00	
John Hafford, patrolman . . . . .	1,095 00	
Albion L. Staples, patrolman . . . . .	1,095 00	
George H. Carleton, patrolman . . . . .	1,095 00	
Francis A. Perkins, patrolman . . . . .	1,095 00	
Charles S. Thrasher, patrolman . . . . .	1,095 00	
William H. Johnston, patrolman . . . . .	1,092 00	
Arthur E. Keating, patrolman . . . . .	1,095 00	
John G. Knight, patrolman . . . . .	1,080 00	
Jacob W. Skinner, patrolman . . . . .	1,095 00	
Theodore E. Heron, patrolman . . . . .	1,095 00	
David A. Bolton, patrolman . . . . .	1,092 00	
Ulysses G. Skinner, patrolman . . . . .	1,083 00	
James M. Harmon, patrolman . . . . .	1,086 00	
Michael T. Kennedy, patrolman . . . . .	1,095 00	
Charles W. Stevens, patrolman . . . . .	1,095 00	
Ira S. Carlton, patrolman . . . . .	1,095 00	
Ezra A. Dodge, patrolman . . . . .	1,095 00	
Eugene H. Gammons, patrolman . . . . .	1,074 00	
James J. Pollard, patrolman . . . . .	1,095 00	
Daniel G. Simons, patrolman . . . . .	1,095 00	
Samuel Burns, patrolman . . . . .	1,089 00	
Frederick H. Googins, patrolman . . . . .	1,089 00	
Jotham Chisholm, patrolman . . . . .	1,095 00	
William J. Davidson, patrolman . . . . .	1,095 00	
Elmer E. Drew, patrolman . . . . .	1,092 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, reserve patrolman . . . . .	912 50	
John A. Ray, reserve patrolman . . . . .	912 50	
Herbert Hilton, reserve patrolman . . . . .	912 50	
Charles W. Reick, reserve patrolman . . . . .	912 50	
Charles E. Byrnes, reserve patrolman . . . . .	912 50	
Thomas Damery, reserve patrolman . . . . .	900 00	
Frank C. Hopkins, reserve patrolman . . . . .	912 50	
Clifford B. True, reserve patrolman . . . . .	912 50	
Hudson M. Howe, reserve patrolman . . . . .	667 50	
Charles W. Allen, reserve patrolman . . . . .	675 00	
Ernest S. Goff, reserve patrolman . . . . .	645 00	
Frederic J. Balcom, reserve patrolman . . . . .	652 50	
Judson W. Oliver, driver . . . . .	919 00	
Martin Sharry, driver . . . . .	730 00	
Edward E. Ware, driver . . . . .	722 00	
Edward Lowman, hostler . . . . .	94 00	
Irving E. Wilson, special patrolman . . . . .	20 00	
John H. Kelley, special patrolman . . . . .	8 75	
James M. Lynch, special patrolman . . . . .	10 00	
George H. Dearborn, special patrolman . . . . .	4 00	
Peter Savage, special patrolman . . . . .	8 00	
Albert Gilman, special patrolman . . . . .	8 00	
Nathan L. Pennock, special patrolman . . . . .	8 00	
Edward T. Peterson, special patrolman . . . . .	8 00	
William H. Walker, special patrolman . . . . .	4 00	
Edward F. Reed, special patrolman . . . . .	8 00	
Amounts carried forward . . . . .	<u>\$57,930 25</u>	<u>\$60,227 54</u>

Amounts brought forward . . . . .	\$57,930 25	\$60,227 54
Frederick S. Dickinson, special patrolman . . . . .	8 00	
William T. Higgins, special patrolman . . . . .	8 00	
Lewis R. Stuart, special patrolman . . . . .	8 00	
Royal C. Burckes, special patrolman . . . . .	8 00	
Lambert M. Maynard, special patrolman . . . . .	8 00	
Patrick H. Ryan, special patrolman . . . . .	8 00	
Peter J. Savage, special patrolman . . . . .	8 00	
Charles H. Weston, special patrolman . . . . .	8 00	
Alfred M. Sibley, special patrolman . . . . .	8 00	
Andrew B. Colesworthy, special patrolman . . . . .	8 00	
Daniel H. Rinn, special patrolman . . . . .	8 00	
Charles W. Howard, special patrolman . . . . .	4 00	
Eugene A. Carter, disbursements . . . . .	118 51	
George H. Carleton, disbursements . . . . .	27 05	
Dennis Kelley, disbursements . . . . .	24 65	
Albion M. Staples, disbursements . . . . .	4 29	
Franklin W. Hopkins, disbursements . . . . .	11 45	
Charles E. Byrnes, disbursements . . . . .	1 55	
Lemuel H. Snow, disbursements . . . . .	11 50	
Melville C. Parkhurst, lockup keeper . . . . .	100 00	
Mary A. Staples, matron . . . . .	210 00	
Selma Stromback, meals . . . . .	9 75	
Miss Anderson, meals . . . . .	10 65	
E. B. West, crackers . . . . .	18 70	
Idella Taylor, laundering . . . . .	57 41	
Boston & Suburban Laundry, laundering . . . . .	88	
E. Schuebeler, towels . . . . .	7 50	
Arthur C. Gordon, lettering . . . . .	1 00	
Whitney & Snow, hardware . . . . .	37 02	
W. E. Plumer & Co., hardware . . . . .	1 54	
Howe & Flint repairs . . . . .	30	
Union Square Carriage Co., repairing wagon . . . . .	53 50	
Charles Waugh, repairing wagon . . . . .	123 95	
Union Square Furniture Co., repairing cushions . . . . .	1 50	
David Cutter, repairing badges . . . . .	50	
Fulton O'Brien, grain . . . . .	141 85	
J. A. Marsh, grain . . . . .	72 68	
Ira L. Roberts, horseshoeing . . . . .	78 75	
Royal L. Lovell, horse . . . . .	150 00	
Charles E. Berry, feed boxes . . . . .	6 50	
E. Spalding, harness work . . . . .	7 50	
C. H. Paine, horse medicine . . . . .	2 00	
William H. Hitchings, veterinary services . . . . .	8 00	
Milton H. Plummer, supplies . . . . .	2 10	
R. M. Sturtevant & Co., oil . . . . .	1 82	
Charles W. Dailey, use of ambulance . . . . .	9 00	
Henry F. Curtin, medical attendance . . . . .	2 00	
Herbert Wood, lock work . . . . .	1 50	
Sidney R. Bates & Co., grappling hooks . . . . .	1 75	
Scovill Manfg. Co., buttons . . . . .	40 17	
H. A. Winship, belts . . . . .	9 75	
Allen Bros., badges . . . . .	12 50	
Raphael Masstrangialo, trimmings . . . . .	10 58	
Amounts carried forward . . . . .	\$59,413 90	\$60,227 54

Amounts brought forward . . . . .	\$59,413 90	\$60,227 54
M. J. Connor, cloth for uniforms . . . . .	274 09	
Wendell Fay & Co., cloth for uniforms . . . . .	6 75	
Iver Johnson & Co., revolvers . . . . .	37 75	
Frank Shepard, law book . . . . .	3 00	
F. S. Blanchard, law book . . . . .	3 00	
Little, Brown, & Co., law books . . . . .	16 50	
M. R. Warren Co., books . . . . .	4 50	
W. A. Greenough, directory . . . . .	6 00	
Thomas Groom & Co., stationery . . . . .	33 33	
M. L. Vinal, stationery . . . . .	5 00	
Somerville Journal Co., printing . . . . .	115 05	
A. W. Benjamin, cushion for telephone . . . . .	1 50	
C. M. Blake, papers . . . . .	14 60	
H. Barrett, photographs . . . . .	34 00	
New England Telephone & Telegraph Co., rentals and tolls . . . . .	207 52	
Fresh Pond Ice Co., ice . . . . .	35 00	
L. H. Brown, carriage hire . . . . .	10 50	
American Express Co., expressing . . . . .	1 90	
Thorpe's Express Co., expressing . . . . .	1 50	
Bancroft's Express, expressing . . . . .	1 15	
E. R. Perham, expressing . . . . .	70	
Glines & Co., expressing . . . . .	30	
	<hr/>	<hr/>
		\$60,227 54

### Powder House Boulevard.

#### CREDIT.

Balance from 1899 . . . . .	\$546 98
Appropriations, amount appropriated by borrowing on Funded Debt account . . . . .	12,000 00
Cash, received of T. H. Gill, loan . . . . .	5 00
	<hr/>
	\$12,551 98

#### DEBIT.

Cash, paid to William J. McCarthy, on ac- count of contract . . . . .	\$10,894 39
Thomas H. Gill, on account of contract . . . . .	394 35
Laborers . . . . .	36 75
Osgood & Hart, catch basin frames . . . . .	104 30
Wilbur P. Rice, stakes . . . . .	25 84
Whitney & Snow, lock . . . . .	1 12
Herbert Wood, keys . . . . .	40
E. S. Sparrow & Co., glass . . . . .	2 99
City Engineer's account, inspection . . . . .	300 00
Engineer's assistants, car fares . . . . .	71 70
James Tevlin, hired teams . . . . .	23 38
Sewers, Maintenance account, changing catch basin . . . . .	8 98
	<hr/>
	\$11,864 20
Balance to credit of account, 1901 . . . . .	687 78
	<hr/>
	\$12,551 98



**Printing and Stationery.**

## CREDIT.

Appropriations, amount assessed . . . . .	\$3,000 00
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## DEBIT.

Cash, paid Somerville Journal Co., printing annual reports . . . . .	\$994 49	
Somerville Journal Co., printing municipal registers, etc. . . . .	184 75	
The Citizen Co., printing and stationery . . . . .	43 25	
Thomas Groom & Co., stationery . . . . .	8 30	
George H. Walker & Co., maps . . . . .	42 50	
Mary A. Sleeper, typewriting . . . . .	12 16	
William J. Blaisdell, gilding inkstands . . . . .	2 60	
Union Glass Co., glass . . . . .	1 50	
	<hr/>	
	\$1,289 55	
Excess and Deficiency, balance to credit of account . . . . .	1,710 45	
	<hr/>	
		<u>\$3,000 00</u>

**Property and Debt Balance.**

## CREDIT.

Balance from 1899 . . . . .	\$1,402,743 14
Public Property, property acquired in 1900 . . . . .	95,135 78
Reduction of Funded Debt, bonds paid . . . . .	154,500 00
Renewals of Funded Debt . . . . .	12,000 00
	<hr/>
	\$1,664,378 92

## DEBIT.

Appropriations, amount borrowed on Funded Debt account . . . . .	\$152,000 00
Balance to credit of account, 1901 . . . . .	1,512,378 92
	<hr/>
	\$1,664,378 92

**Public Buildings Maintenance, City Hall.**

## CREDIT.

Appropriations, amount assessed . . . . .	\$6,000 00
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## DEBIT.

Cash, paid Charles A. Southwick, janitor . . . . .	\$107 01	
Irwin G. Felt, janitor . . . . .	630 11	
George H. Griffin, night janitor . . . . .	840 00	
W. B. Higgins, substitute janitor . . . . .	36 00	
J. C. Sampson, substitute janitor . . . . .	28 00	
John H. Pray & Sons, carpets . . . . .	76 69	
	<hr/>	
Amounts carried forward . . . . .	\$1,717 81	<u>\$6,000 00</u>

Amounts brought forward . . . . .	\$1,717 81	\$6,000 00
The Gutta Percha & Rubber Co., mat- ting . . . . .	22 72	
Derby Desk Co., furniture, etc. . . . .	538 50	
The Globe-Wernicke Co., furniture . . . . .	54 75	
Union Square Furniture Co., furniture . . . . .	28 05	
Paine Furniture Co., furniture . . . . .	22 00	
W. B. Badger & Co., desk . . . . .	25 00	
Wallburg & Woehr, decorating . . . . .	283 00	
T. F. McGann, brass railing . . . . .	90 00	
Troy Bros. & Co., marble threshold . . . . .	6 00	
Jones, McDuffee, & Stratton, water cooler . . . . .	9 00	
Jackson Caldwell & Co., tumblers . . . . .	1 05	
Irving W. Wheeler & Co., flag and awnings . . . . .	32 38	
C. H. McKenney & Co., gas fixtures . . . . .	192 76	
Pettingell-Andrews Co., electric supplies . . . . .	38 65	
Electric Gas Lighting Co., electric sup- plies . . . . .	8 53	
Knott & Co., electric lamps, etc. . . . .	88 37	
Anchor Electric Co., switch . . . . .	97	
Howe & Flint, plumbing, etc. . . . .	28 90	
Underhill Hardware Co., supplies . . . . .	25 81	
Whitney & Snow, hardware . . . . .	30 73	
W. E. Plumer & Co., supplies . . . . .	1 62	
F. W. Foster Manfg. Co., grate . . . . .	66 00	
Arthur C. Gordon, lettering signs . . . . .	22 04	
Herbert Wood, lock work . . . . .	12 85	
Fred W. Farrar, repairing clock . . . . .	3 00	
Frederick R. Cutter, repairing clock . . . . .	3 00	
Charles L. Underhill, iron work . . . . .	3 90	
G. F. Matthews, carpentering . . . . .	393 65	
Harris P. Tibbetts, carpentering . . . . .	50 68	
A. A. Sanborn, steam fitting . . . . .	103 12	
Damon Safe & Iron Works, labor on safe . . . . .	337 77	
Yale & Towne Manfg. Co., repairing time lock . . . . .	30 00	
W. J. Fermoye, setting glass . . . . .	2 50	
Mrs. A. H. Wood, repairing flag . . . . .	3 50	
O. M. Gracey, cleaning carpets . . . . .	32 02	
Thomas McNee, roofing . . . . .	11 08	
W. F. Flemming, repairing furniture . . . . .	6 75	
D. P. Bucknam, mason work . . . . .	6 75	
M. A. Mann, laundering . . . . .	12 00	
James Bartley, soap and matches . . . . .	9 53	
William S. Ward, soap and matches . . . . .	1 10	
W. H. Bullard, salt . . . . .	2 30	
E. Schuebeler, towels . . . . .	4 50	
Somerville Electric Light Co., lighting . . . . .	903 36	
Somerville Electric Light Co., lamps, etc. . . . .	24 50	
Somerville Electric Light Co., rent of fans . . . . .	4 42	
Wellington-Wild Coal Co., fuel . . . . .	369 83	
Cambridge Ice Co., ice . . . . .	67 37	
City of Somerville, water . . . . .	5 18	
Amounts carried forward . . . . .	\$5,739 30	\$6,000 00

Amounts brought forward . . . . .	\$5,739 30	\$6,000 00
Hartford Steam Boiler Inspection and Insurance Co., insurance . . . . .	50 00	
E. R. Perham, expressing . . . . .	16 20	
Gilman Express Co., expressing . . . . .	40	
George T. Day, expressing. . . . .	55	
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	\$5,806 45	
Excess and Deficiency, balance to credit of account . . . . .	193 55	
	<hr/>	
		\$6,000 00
		<hr/> <hr/>

**Public Buildings Maintenance, City Hall Annex.**

CREDIT.

Appropriations, amount assessed . . . . .		\$1,000 00
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DEBIT.

Cash, paid Albert Taylor, janitor . . . . .	\$397 42	
James A. Chase, janitor . . . . .	22 58	
Wallburg & Woehn, tinting ceilings . . . . .	130 00	
G. F. Matthews, carpentering . . . . .	8 81	
Warren Hallett, carpentering . . . . .	7 50	
Alfred H. Hines, mason work . . . . .	1 90	
Thomas McNee, repairing roof . . . . .	45 70	
George H. Maynard, plumbing . . . . .	1 95	
Howe & Flint, plumbing . . . . .	2 92	
Fred W. Farrar, clock work . . . . .	2 00	
W. J. Fermoye, setting glass . . . . .	1 00	
George W. Manning, labor on flagstaff . . . . .	6 00	
Estate R. A. R. Benson, teaming . . . . .	2 00	
Whitney & Snow, mats . . . . .	7 20	
Underhill Hardware Co., hardware . . . . .	3 35	
W. E. Plumer & Co., hardware . . . . .	56	
I. H. Brown Moulding Co., lumber . . . . .	1 22	
Somerville Electric Light Co., lighting . . . . .	50 79	
Cambridge Gas Light Co., gas . . . . .	2 60	
Wellington-Wild Coal Co., fuel . . . . .	105 20	
City of Somerville, water . . . . .	6 32	
	<hr/>	
	\$807 02	
Excess and Deficiency, balance to credit of account . . . . .	192 98	
	<hr/>	
		\$1,000 00
		<hr/> <hr/>

**Public Buildings Maintenance, Fire Department.**

CREDIT.

Appropriations, amount assessed . . . . .		\$4,700 00
Excess and Deficiency, balance to debit of account . . . . .		156 19
		<hr/>
		\$4,856 19

DEBIT.

Cash, paid C. H. Alley, lumber and carpentering . . . . .	\$261 20	
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Amounts carried forward . . . . .	\$261 20	\$4,856 19

Amounts brought forward . . . . .	\$261 20	\$4,856 19
S. W. Fuller, lumber . . . . .	14 42	
Derby Desk Co., stock . . . . .	6 50	
G. F. Matthews, carpentering . . . . .	401 08	
G. D. B. Robinson, carpentering . . . . .	94 37	
H. S. Brackett, carpentering . . . . .	5 70	
Wilbur P. Rice, carpentering . . . . .	17 18	
Harris P. Tibbetts, carpentering . . . . .	23 94	
W. A. Snow & Co., stall floors . . . . .	61 75	
Lynn Stall Co., stall floors . . . . .	59 00	
Joseph Breck & Sons, hitching posts . . . . .	6 50	
S. & R. J. Lombard, curbing . . . . .	18 30	
Thomas Carey, bricks . . . . .	49 74	
T. Allen, concreting . . . . .	116 40	
Highland Coal Co., sand and lime . . . . .	95	
Braman, Dow, & Co., tube scraper . . . . .	1 75	
Boston Woven Hose & Rubber Co., hose . . . . .	54	
Thomas McNee, roofing . . . . .	95 00	
Herbert Wood, lock work . . . . .	3 00	
M. F. Underwood, lock work . . . . .	80	
Wallburg & Woehn, painting . . . . .	170 00	
Frank E. Cutler, painting . . . . .	85 00	
James Rawson, painting . . . . .	21 42	
J. Q. Twombly, painting . . . . .	5 93	
George F Hughes, painting and glazing . . . . .	27 21	
W. J. Logan, setting glass . . . . .	25 75	
The Asbestos Paper Co., covering pipes . . . . .	70 00	
Arthur C. Gordon, lettering . . . . .	3 50	
Alfred H. Hines, mason work . . . . .	46 73	
J. B. Rufer, iron work . . . . .	1 50	
Charles E. Berry, labor on poles . . . . .	23 39	
O. M. Gracey, repairing furniture . . . . .	1 00	
Union Square Furniture Co., furniture . . . . .	279 95	
William E. Daniels, window shades . . . . .	46 50	
Charles E. Shaw, picture moulding . . . . .	4 50	
Couch & Seeley Co., speaking tube . . . . .	5 00	
Auburn Brush & Mop Co., brushes . . . . .	15 00	
Leander Barber, brooms, etc. . . . .	6 00	
W. G. Hallock, dusters . . . . .	16 00	
Whitney & Snow, mats . . . . .	5 00	
E. S. Sparrow & Co., hardware . . . . .	34 70	
Underhill Hardware Co., hardware . . . . .	16 59	
W. E. Plumer & Co., hardware . . . . .	12 52	
J. A. Durell, hardware and plumbing . . . . .	4 49	
Howe & Flint, furnace work and plumb- ing . . . . .	17 20	
W. J. Kennedy, plumbing and gas fitting . . . . .	31 72	
George H Maynard, plumbing . . . . .	13 35	
W. L. Snow, plumbing . . . . .	8 89	
A. F. McMillan, plumbing . . . . .	8 20	
A. A. Sanborn, steam fitting . . . . .	61 95	
C. H. McKenney & Co., gas fixtures . . . . .	15 20	
American Illuminating Co., incandescent lights . . . . .	3 45	
Electric Gas Lighting Co., electrical supplies . . . . .	5 81	
Amounts carried forward . . . . .	\$2,331 57	\$4,856 19

Amounts brought forward . . . . .	\$2,331 57	\$4,856 19
The Reliable Electric Alarm Water Column Co., water column . . . . .	25 00	
Cambridge Gas Light Co., gas . . . . .	112 10	
Charlestown Gas & Electric Co., gas . . . . .	23 21	
Somerville Electric Light Co., lighting . . . . .	764 43	
Somerville Electric Light Co., lamps, etc. . . . .	4 52	
Somerville Electric Light Co., rent of fans . . . . .	2 50	
Wellington-Wild Coal Co., fuel . . . . .	1,445 12	
City of Somerville, water . . . . .	67 63	
City of Somerville, sidewalk assessment . . . . .	48 39	
Charles S. Robertson, premium of insurance . . . . .	4 72	
Highways Maintenance account, labor and materials . . . . .	27 00	
	<hr/>	<hr/>
		\$4,856 19

**Public Buildings Maintenance, Health Department.**

CREDIT.

Appropriations, amount assessed . . . . .	\$200 00
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DEBIT.

Cash, paid Robert Bennett, carpentering . . . . .	\$19 28	
Harris P. Tibbetts, carpentering . . . . .	31 03	
F. C. Ayer, lumber . . . . .	3 76	
Pettingell-Andrews Co., electrical supplies . . . . .	4 46	
Somerville Electric Light Co., lighting . . . . .	61 53	
Wellington-Wild Co., fuel . . . . .	26 29	
City of Somerville, water . . . . .	18 06	
George T. Day, expressing . . . . .	15	
	<hr/>	
	\$164 56	
Excess and Deficiency, balance to credit of account . . . . .	35 44	
	<hr/>	<hr/>
		\$200 00

**Public Buildings Maintenance, Highways.**

CREDIT.

Appropriations, amount assessed . . . . .	\$1,200 00
Cash, received of Thomas Ormand, rent . . . . .	\$72 00
Arthur Murley, rent . . . . .	64 00
Water Works. Abatements on Water Charges, abatements . . . . .	13 00
	<hr/>
	149 00
	<hr/>
	\$1,349 00

DEBIT.

Cash, paid Arthur W. Berry, carpentering . . . . .	\$681 25	
Harris P. Tibbetts, carpentering . . . . .	266 09	
	<hr/>	
Amounts carried forward . . . . .	\$947 34	\$1,349 00

Amounts brought forward . . . . .	\$947 34	\$1,349 00
G. F. Matthews, carpentering . . . . .	8 20	
Wallburg & Woehr, painting . . . . .	130 00	
Irving W. Wheeler & Co., ensign . . . . .	13 12	
Boston Electric Co., lamp guards . . . . .	67	
E. S. Sparrow & Co, hardware . . . . .	65	
Somerville Electric Light Co., lighting . . . . .	78 19	
City of Somerville, water . . . . .	31 06	
Wellington-Wild Coal Co., fuel . . . . .	8 40	
	<hr/>	
	\$1,217 63	
Excess and Deficiency, balance to credit of account . . . . .	131 37	\$1,349 00
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**Public Buildings Maintenance, Police.**

CREDIT.

Appropriations, amount assessed . . . . .		\$3,000 00
Cash, received of J. O. Hayden, county treasurer, rent of court room . . . . .	\$300 00	
Commonwealth of Massachusetts, rent of armory . . . . .	50 00	
Highways, Maintenance account, bricks . . . . .	6 16	
	<hr/>	356 16
		<hr/>
		\$3,356 16
Excess and Deficiency, balance to debit of account . . . . .		82 21
		<hr/>
		\$3,438 37

DEBIT.

Cash, paid John F. Richardson, services as janitor . . . . .	\$686 60	
Frank Miller, janitor . . . . .	233 38	
Frank P. Bartlett, janitor . . . . .	42 00	
Edward Fales, night fireman . . . . .	46 00	
T. Allen, concreting . . . . .	400 00	
A. A. Sanborn, bricks . . . . .	24 96	
M. P. Canfield, grading . . . . .	32 65	
Fred Davis, plastering . . . . .	29 71	
G. D. B. Robinson, carpentering and glazing . . . . .	123 40	
G. F. Matthews, carpentering . . . . .	47 70	
Thomas McNee, roofing . . . . .	51 00	
Joseph J. Blevins, repairing conductors . . . . .	3 80	
Albert C. Lyman, repairs, etc. . . . .	13 00	
Alfred H. Hines, mason work . . . . .	15 80	
A. F. McMillan, plumbing . . . . .	14 98	
Howe & Flint, plumbing and gas fitting . . . . .	61 09	
A. A. Sanborn, steam fitting . . . . .	71 64	
Whitney & Snow, supplies . . . . .	26 28	
W. E. Plumer & Co., supplies . . . . .	13 17	
J. Q. Twombly, painting . . . . .	127 17	
Union Square Furniture Co., shades . . . . .	31 25	
John Miller, labor . . . . .	24 00	
	<hr/>	
Amounts carried forward . . . . .	\$2,119 58	\$3,438 37

Amounts brought forward . . . . .	\$2,119 58	\$3,438 37
The Reliable Electric Alarm Water Column Co., water columns . . . . .	25 00	
The Sanitas Co., disinfectant . . . . .	8 50	
C. W. Lerner & Co., disinfectant . . . . .	60 40	
R. M. Sturtevant & Co., matches and soap . . . . .	2 65	
Gas Consumers' Association, gas regu- lators . . . . .	15 20	
Cambridge Gas Light Co., gas . . . . .	454 40	
City of Somerville, water . . . . .	13 86	
Wellington-Wild Coal Co., fuel . . . . .	476 40	
Hartford Steam Boiler Inspection and Insurance Co., insurance . . . . .	50 00	
M. G. Staples, teaming . . . . .	1 50	
Gilman Express Co., expressing . . . . .	75	
Highways, Maintenance account, setting edgestones . . . . .	112 76	
Sidewalks, Maintenance account, edge- stones . . . . .	97 37	
	<hr/>	\$3,438 37

**Public Buildings Maintenance, Public Library.**

## CREDIT.

Appropriations, amount assessed . . . . .	\$3,000 00
Excess and Deficiency, balance to debit of account . . . . .	673 34
	<hr/>
	\$3,673 34

## DEBIT.

Cash, paid Charles A. Southwick, services as janitor . . . . .	\$856 23
extra labor . . . . .	7 50
Office, Bank, & Library Co., cabinets and files . . . . .	730 00
F. Bryant & Co., electric work . . . . .	133 25
Knott & Co., gas fixtures . . . . .	2 50
Howe & Flint, gasfitting, etc. . . . .	8 75
Boston Bamboo Co., screens . . . . .	30 00
Underhill Hardware Co., brushes . . . . .	92
G. F. Matthews, carpentering . . . . .	73 58
Mrs. Alice M. Thornton, cleaning . . . . .	21 00
Alfred H. Hines, mason work . . . . .	19 05
A. A. Sanborn, steam fitting . . . . .	8 60
M. F. Underwood, lock work . . . . .	1 00
Fred W. Farrar, clock work . . . . .	2 50
George D. Goodrich, drain pipe . . . . .	44 20
George H. Maynard, plumbing . . . . .	1 85
David W. Lewis, cement . . . . .	2 25
Somerville Electric Light Co., lighting . . . . .	1,035 66
Somerville Electric Light Co., lamps and fixtures . . . . .	10 90
Cambridge Gas Light Co., gas . . . . .	58 40
Wellington-Wild Coal Co., fuel . . . . .	503 65
I. B. Kendall, premium of insurance . . . . .	10 00
Sewers, Maintenance account, labor and materials . . . . .	111 55
	<hr/>
	\$3,673 34

**Public Buildings Maintenance, Schoolhouses.**

## CREDIT.

Appropriations, amount assessed . . . . .		\$38,500 00
Reduction of Funded Debt, Metropolitan Sewer assessment, amount transferred . . . . .		7,000 00
Cash, received of Somerville Iron Foundry, old iron . . . . .	\$43 54	
J. S. Emerson, second hand wash bowl . . . . .	3 00	
Archibald Waugh, old sanitary building . . . . .	2 00	
L. C. Seavey, bill previously paid . . . . .	7 45	
Water Works, Abatements on Water charges, abatement . . . . .	12 00	
Highways. Maintenance account, bricks . . . . .	84 60	
		<hr/> 152 59
		\$45,652 59
Excess and Deficiency, balance to debit of account . . . . .		1,497 69
		<hr/> \$47,150 28

## DEBIT.

Cash, paid janitors' salaries . . . . .	\$19,317 06	
G. F. Matthews, carpentering . . . . .	1,063 21	
Warren Hallett, carpentering . . . . .	780 30	
A. M. Waining, carpentering . . . . .	207 50	
Arthur W. Berry, carpentering . . . . .	854 53	
A. M. Godfrey, carpentering . . . . .	112 95	
J. H. Stevens, carpentering . . . . .	121 60	
Harris P. Tibbetts, carpentering . . . . .	34 24	
W. H. Morris, carpentering . . . . .	20 23	
F. C. Ayer, lumber . . . . .	99 23	
I. H. Brown Moulding Co., lumber . . . . .	60 81	
William H. Wood & Co., lumber . . . . .	37 94	
H. W. Covell, plumbing . . . . .	305 59	
J. A. Durell, plumbing and furnace work . . . . .	247 10	
W. L. Snow, plumbing . . . . .	86 83	
James F. Davlin, plumbing . . . . .	48 40	
John H. Adcock, plumbing . . . . .	39 76	
Donnelly & Co., plumbing . . . . .	39 28	
J. E. Parsons, plumbing . . . . .	39 37	
Armstrong Bros., plumbing . . . . .	16 29	
George H. Maynard, plumbing . . . . .	12 55	
J. R. Carey, plumbing . . . . .	10 45	
David Craig, plumbing . . . . .	7 38	
John A. Merrifield, stove work . . . . .	57 63	
J. M. Burckes, furnace work . . . . .	9 35	
J. W. Johnson, furnace work . . . . .	28 90	
Howe & Flint, repairing heating ap- paratus . . . . .	425 73	
Jarvis Engineering Co., grates. . . . .	157 46	
Roberts Iron Works Co., boiler plates . . . . .	50 62	
E. Hodge & Co., boiler plates . . . . .	68 84	
A. A. Sanborn, steam fitting . . . . .	912 59	
Alexander Duncan, steam fitting . . . . .	395 90	
B. F. Sturtevant Co., repairing engine . . . . .	33 80	
Knowles Steam Pump Works, repairing pump . . . . .	6 47	
Amounts carried forward . . . . .	\$25,709 89	\$47,150 28



Amounts brought forward . . . . .	\$25,709 89	\$47,150 28
G. A. Walker, painting . . . . .	29 00	
Cutler Marshall, painting . . . . .	26 50	
Wallburg & Woehrn, tinting . . . . .	120 00	
J. A. Bremner & Co., paper hanging . . . . .	4 50	
Thomas Dowd, plastering . . . . .	90 00	
B. E. Higgins, whitewashing . . . . .	16 00	
W. J. Fermoyle, setting glass, etc. . . . .	284 48	
J. F. Berton, setting glass . . . . .	40 50	
J. Q. Twombly, setting glass . . . . .	15 85	
J. H. Stevens, setting glass . . . . .	8 00	
John F. O'Brien, setting glass . . . . .	3 55	
George F. Hughes, setting glass . . . . .	1 90	
A. F. McMillan, repairing conductors . . . . .	263 89	
Thomas McNee, repairing roof . . . . .	275 26	
L. C. Seavey, roofing . . . . .	44 23	
D. P. Bucknam, mason work . . . . .	360 80	
Alfred H. Hines, mason work . . . . .	341 80	
David W. Lewis, cement . . . . .	16 80	
T. Allen, concreting . . . . .	232 50	
M. P. Canfield, grading . . . . .	57 75	
John Silk, manure . . . . .	64 00	
A. Gilman, sawdust . . . . .	1 75	
L. J. Brooks, sawdust . . . . .	1 00	
W. S. Burbank, sawdust . . . . .	75	
M. J. Coneeny, care of lawns . . . . .	262 00	
P. Bowdren, care of lawns . . . . .	138 00	
A. N. Lang, repairing fence . . . . .	1 36	
George D. Goodrich, drain pipe . . . . .	1 90	
S. & R. J. Lombard, curbing . . . . .	52 45	
Harrington, King, & Co., rope . . . . .	8 75	
Cutter, Wood, & Stevens Co., tube cleaners . . . . .	9 05	
John B. Rufer, iron work and repairs . . . . .	2 45	
J. H. Thompson, repairing tools . . . . .	1 50	
I. B. Walker, repairing tools . . . . .	1 10	
Asbestos Paper Co., covering pipes . . . . .	355 00	
George W. Manning, repairing flagstaffs . . . . .	117 40	
Irving W. Wheeler & Co., flags . . . . .	44 62	
Mrs. A. H. Wood, repairing flag . . . . .	3 00	
Underhill Hardware Co., hardware . . . . .	261 18	
Whitney & Snow, hardware . . . . .	216 10	
W. E. Plumer & Co., hardware . . . . .	126 55	
E. S. Sparrow & Co., hardware . . . . .	94 58	
George S. Perry & Co., hardware . . . . .	9 00	
Chandler & Farquhar, hardware . . . . .	1 02	
Charles L. Underhill, iron work . . . . .	29 60	
J. C. Sampson, labor . . . . .	38 30	
James L. Whitaker, labor . . . . .	25 00	
John H. Kelley, labor . . . . .	13 20	
R. C. Burckes, labor . . . . .	8 96	
William T. Higgins, labor . . . . .	11 00	
N. L. Pennock, labor . . . . .	5 00	
Edward J. Young, labor . . . . .	18 00	
F. A. Mansfield, labor . . . . .	22 00	
Fred W. Farrar, clock work . . . . .	49 00	
M. F. Underwood, repairing locks . . . . .	40 72	
Herbert Wood, lock work . . . . .	24 85	
Fred W. Merrill, lock work . . . . .	1 00	
Amounts carried forward . . . . .	\$30,004 34	\$47,150 28

Amounts brought forward . . . . .	\$30,004 34	\$47,150 28
W. F. Flemming, repairing furniture . . . . .	40 35	
O. M. Gracey, repairing furniture . . . . .	6 70	
Chandler Adjustable Chair and Desk Works, furniture . . . . .	648 10	
Derby Desk Co., furniture . . . . .	121 00	
Heywood Brothers & Wakefield Co., furniture . . . . .	107 38	
Paine Furniture Co., furniture . . . . .	25 00	
W. B. Badger & Co., furniture . . . . .	10 50	
Union Square Furniture Co., furniture . . . . .	5 00	
P. Derby & Co., chairs . . . . .	6 00	
John H. Pray, Sons, & Co., carpets . . . . .	43 20	
George F. Hurn, carpet cleaning . . . . .	3 76	
Albert C. Lyman, carpet cleaning . . . . .	3 06	
Jordan, Marsh, & Co., rugs . . . . .	44 00	
William E. Daniels & Co., shades . . . . .	75 58	
Charles E. Austin & Co., brushes . . . . .	147 00	
Jordan & Christie, brushes . . . . .	89 00	
Boston Feather Duster Co., dusters . . . . .	107 81	
D. W. Fisher & Co., dusters . . . . .	15 00	
W. G. Hallock, dusters . . . . .	3 00	
Gas Consumers' Association, gas regu- lators . . . . .	21 33	
Knott & Co., gas fixtures . . . . .	206 38	
Electric Gas Lighting Co., electrical sup- plies . . . . .	170 68	
Pettingell-Andrews Co., electrical sup- plies . . . . .	14 64	
Walter W. Rowe, electrical supplies . . . . .	34	
Couch & Seeley Co., telephones . . . . .	94 60	
Blodgett Brothers & Co., electric work . . . . .	14 50	
Boston Electric Co., push buttons . . . . .	9 14	
Johnson Electric Service Co., pumps, etc. . . . .	50 00	
C. H. Pease, fire extinguishers and brackets . . . . .	645 00	
Boston School Supply Co., slating . . . . .	1 25	
B. L. Makepeace & Co., paper . . . . .	1 25	
J. E. Bell, blackboards . . . . .	233 16	
Chandler & Barber, carving tools . . . . .	49 00	
F. D. Weld, ladder . . . . .	3 00	
P. Sutherland & Co., oil . . . . .	71 88	
W. H. Bullard, oil . . . . .	4 70	
Norfolk Mfg. Co., soap powder . . . . .	15 89	
Joseph K. James, cleaning material . . . . .	4 50	
Shepard, Clark, & Co., supplies . . . . .	128 74	
William S. Ward, supplies . . . . .	4 89	
Russell & Co., supplies . . . . .	2 44	
C. E. Delano, supplies . . . . .	1 75	
Thomas A. Dewire, supplies . . . . .	1 73	
B. F. Sheridan, supplies . . . . .	4 05	
C. W. Lerner, disinfectant . . . . .	62 50	
D. L. Wood, teaming . . . . .	6 50	
M. G. Staples, teaming . . . . .	1 50	
R. A. R. Benson, teaming . . . . .	61 75	
Glines & Co., expressing . . . . .	26 96	
George H. Towle, expressing . . . . .	8 40	
Bancroft's Express, expressing . . . . .	4 80	
George T. Day, expressing . . . . .	4 70	
Amounts carried forward . . . . .	\$33,437 73	\$47,150 28

Amounts brought forward . . . . .	\$33,437 73	\$47,150 28
E. R. Perham, expressing . . . . .	3 85	
Thorpe's Express, expressing . . . . .	4 50	
Gilman Express Co., expressing . . . . .	3 52	
American Express Co., expressing . . . . .	35	
F. C. Fuller, disbursements . . . . .	12 00	
W. H. Wheaton, janitor's service . . . . .	12 00	
Hartford Steam Boiler Inspection & Insurance Co., insurance . . . . .	750 00	
Harry A. True, premium of insurance . . . . .	60 00	
Charles S. Robertson, premium of insur- ance . . . . .	23 10	
I. B. Kendall, premium of insurance . . . . .	12 49	
Cambridge Gas Light Co., gas . . . . .	446 26	
Charlestown Gas & Electric Co., gas . . . . .	226 16	
Somerville Electric Light Co., lighting . . . . .	521 56	
Wellington-Wild Coal Co., fuel . . . . .	10,739 90	
D. W. Crocker, carriage hire . . . . .	15 00	
Howard Lowell & Son, carriage hire . . . . .	15 00	
City of Somerville, sidewalk assessment . . . . .	46 96	
taxes . . . . .	9 78	
water . . . . .	616 49	
Highways, Maintenance account, setting curbing . . . . .	140 37	
Sewers, Maintenance, labor . . . . .	53 26	
	<hr/>	\$47,150 28

**Public Buildings Maintenance, Sewer Department.**

## CREDIT.

Appropriations, amount assessed . . . . .	\$200 00
Water Works, Abatements on Water Charges, abatement	10 00
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	\$210 00

## DEBIT.

Cash, paid Howe & Flint, stove work . . . . .	\$18 88
Whitney & Snow, hardware . . . . .	7 78
W. E. Plumer & Co., hardware . . . . .	1 31
Harris P. Tibbetts, carpentering . . . . .	13 15
Wellington-Wild Coal Co., fuel . . . . .	14 19
City of Somerville, water . . . . .	12 52
	<hr/>
	\$67 83
Excess and Deficiency, balance to credit of account . . . . .	142 17
	<hr/>
	\$210 00

**Public Buildings Maintenance, Support of Poor.**

## CREDIT.

Appropriations, amount assessed . . . . .	\$500 00
Excess and Deficiency, balance to debit of account . . . . .	373 11
	<hr/>
Amount carried forward . . . . .	\$873 11

Amount brought forward . . . . . \$873 11

## DEBIT

Cash, paid G. F. Matthews, carpentering . . . . .	\$106 25	
George W. Gale Lumber Co., lumber . . . . .	15 56	
Howe & Flint, grate and fitting . . . . .	5 75	
E. S. Sparrow & Co., hardware . . . . .	3 40	
L. W. Bowen, painting . . . . .	165 00	
Boston Bamboo Co., screens . . . . .	113 00	
J. F. Berton, setting glass . . . . .	2 85	
Pettingell-Andrews Co., electric supplies . . . . .	20 95	
Union Square Furniture Co., furnishings . . . . .	11 70	
Cambridge Gas Light Co., gas . . . . .	1 30	
Somerville Electric Light Co., lighting . . . . .	162 35	
Wellington-Wild Coal Co., fuel . . . . .	265 00	
		\$873 11

**Public Buildings Maintenance, Water Department.**

## CREDIT.

Appropriations, amount assessed . . . . . \$100 00

## DEBIT.

Cash, paid W. E. Plumer & Co., glass . . . . .	\$1 83	
G. F. Matthews, carpentering . . . . .	75	
Somerville Electric Light Co., lighting . . . . .	42 31	
Water Maintenance account, lighting . . . . .	54 16	
		\$99 05
Excess and Deficiency, balance to credit of account . . . . .	95	
		\$100 00

**Public Grounds.**

## CREDIT.

Appropriations, amount assessed . . . . .	\$10,200 00	
Schoolhouse in or near Ward Seven, amount transferred . . . . .	1,000 00	
Cash, received of John Kelley, old water tower . . . . .	360 00	
		\$11,560 00

## DEBIT.

Cash, paid laborers . . . . .	\$5,754 20	
J. W. Howard, plants . . . . .	1,000 00	
Joseph Breck & Sons, grass seed . . . . .	53 74	
M. D. Jones & Co., wire borders and settees . . . . .	154 20	
American Net & Twine Co., net . . . . .	4 10	
M. Norton & Co., hose . . . . .	80 00	
Cornelius Callahan Co., hose . . . . .	5 00	
Boston Coupling Co., repairing hose . . . . .	75	
Boston Spar Co., labor on flagstalls . . . . .	413 50	
		\$7,465 49
Amounts carried forward . . . . .		\$11,560 00

Amounts brought forward . . . . .	\$7,465 49	\$11,560 00
George W. Manning, painting flagstuffs . . . . .	33 50	
James Baker, rope . . . . .	13 13	
Jordan, Marsh, & Co., flag . . . . .	29 00	
Whitney & Snow, tools . . . . .	148 64	
Underhill Hardware Co., tools . . . . .	94 64	
James Finnon, use of tools . . . . .	5 00	
L. A. Wright, repairing tools . . . . .	16 95	
Herbert Wood, repairing tools . . . . .	10 40	
Joseph Young, repairing tools . . . . .	7 00	
Charles L. Underhill, repairing tools . . . . .	70	
E. S. Sparrow & Co., hardware . . . . .	22 55	
W. E. Plumer & Co., hardware . . . . .	5 14	
George H. Lowe, concreting . . . . .	514 65	
T. Allen, concrete . . . . .	302 12	
T. F. McGann, tablet and setting . . . . .	132 50	
Braman, Dow, & Co., valves . . . . .	33 15	
F. C. Ayer, lumber . . . . .	36 99	
I. H. Brown Moulding Co., lumber . . . . .	15 05	
A. A. Smith, carpentering . . . . .	60 00	
L. B. Harmon, carpentering . . . . .	58 38	
Kimball Manfg. Co., sawing plank . . . . .	50	
J. A. Durell, paint . . . . .	65 29	
Howe & Flint, stove work . . . . .	3 23	
Walker & Pratt Manfg. Co., stove door, etc. . . . .	55	
Thomas F. Martin, plumbing . . . . .	9 65	
Wright & Ditson, bases and plate . . . . .	8 00	
Arthur C. Gordon, painting sign . . . . .	2 25	
James Tevlin, hired teams . . . . .	123 15	
T. F. Crimmings, hired teams . . . . .	25 88	
A. M. Prescott, use of teams . . . . .	9 00	
McCarthy & Gill, use of teams, etc. . . . .	716 42	
George W. Prichard, use of horse . . . . .	79 00	
J. H. Thompson, carriage hire . . . . .	15 00	
Howard Lowell & Son, carriage hire . . . . .	10 00	
Eugene Mead, carriage hire . . . . .	8 00	
Hotel Woodbridge, refreshments . . . . .	10 00	
Jairus Mann, disbursements . . . . .	2 85	
Gilman Express Co., expressing . . . . .	76	
J. H. Grundy, expressing . . . . .	60	
George T. Day, expressing . . . . .	25	
American Express Co., expressing . . . . .	15	
Wellington-Wild Coal Co., fuel . . . . .	13 38	
I. L. Smith, fuel . . . . .	5 75	
City of Somerville, sidewalk assessment Highways, Maintenance account, labor, etc. . . . .	294 47	
Sewers Maintenance, surplus material . . . . .	48 01	
Water Maintenance, laying pipe . . . . .	35 00	
	67 57	
	<hr/>	
Public Grounds, Athletic Apparatus, amount transferred . . . . .	\$10,559 69	
	1,000 00	
	<hr/>	
Excess and Deficiency, balance to credit of account . . . . .	\$11,559 69	
	31	
	<hr/>	
		\$11,560 00

**Public Grounds, Athletic Apparatus.**

## CREDIT.

Public Grounds, amount transferred . . . . .	\$1,000 00
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## DEBIT.

Balance to credit of account, 1901 . . . . .	\$1,000 00
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**Public Grounds, Athletic Field in Ward Seven.**

## CREDIT.

Public Grounds, Land for Park Purposes, amount transferred . . . . .	\$3,000 00
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## DEBIT.

Balance to credit of account, 1901 . . . . .	\$3,000 00
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**Public Grounds, Land for Park Purposes.**

## CREDIT.

Appropriations, amount appropriated by borrowing on Funded Debt account . . . . .	\$12,000 00
Schoolhouse in Ward Two, amount transferred . . . . .	1,500 00
	<hr/>
	\$13,500 00

## DEBIT.

Public Grounds, Athletic Field in Ward Seven, amount transferred . . . . .	\$3,000 00
Highways, Paving Cross Street, amount transferred . . . . .	9,000 00
	<hr/>
	\$12,000 00
Balance to credit of account, 1901 . . . . .	1,500 00
	<hr/>
	\$13,500 00

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**Public Grounds, Land on Prospect Hill for Park.**

## CREDIT.

Schoolhouse in Ward Two, amount transferred . . . . .	\$6,000 00
Schoolhouse in or near Ward Seven, amount transferred . . . . .	4,000 00
Sidewalks Construction, amount transferred . . . . .	3,000 00
Interest, amount transferred . . . . .	2,000 00
	<hr/>
	\$15,000 00

## DEBIT.

Balance to credit of account, 1901 . . . . .	\$15,000 00
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**Public Library.**

## CREDIT.

Appropriations, amount assessed . . . . .		\$10,000 00
Cash, received of county treasurer, return on amount received of the city for dog licenses in 1899 . . . . .	\$3,257 45	
Sam Walter Foss, librarian, fines . . . . .	372 21	
Catalogues . . . . .	73 34	
Books . . . . .	17 00	
Library Bureau, bill previously paid . . . . .	16 00	
Charles Scribner's Sons, bill previously paid . . . . .	1 00	
	<hr/>	3,737 00
		<hr/>
		\$13,737 00
Balance to debit of account, 1901 . . . . .		8 01
		<hr/>
		\$13,745 01

## DEBIT.

Cash, paid Little, Brown, & Co., books . . . . .	\$2,592 96	
Charles E. Lauriat & Co., books . . . . .	169 16	
D. Appleton & Co., books . . . . .	77 62	
Charles Scribner's Sons, books . . . . .	61 30	
Houghton, Mifflin, & Co., books . . . . .	58 00	
Desmond Publishing Co., books . . . . .	52 75	
Oliver Ditson Co., books . . . . .	27 86	
A. M. Osborne, books . . . . .	24 00	
George E. Littlefield, books . . . . .	29 55	
Damrell & Upham, books . . . . .	20 50	
William B. Harrison, books . . . . .	22 35	
William C. Strong & Co., books . . . . .	16 20	
DeWolfe, Fiske, & Co., books . . . . .	15 00	
J. Q. Adams, books . . . . .	14 00	
A. D. Werthington, books . . . . .	6 75	
O. M. Babcock, books . . . . .	3 25	
N. J. Bartlett & Co., books . . . . .	3 00	
W. A. Wilde Co., books . . . . .	2 31	
J. C. Witter Co., books . . . . .	1 50	
Brooklyn Eagle, book . . . . .	1 00	
B. P. Palmer, books . . . . .	6 25	
J. O. Austin, books . . . . .	11 00	
Lee & Shepard, books . . . . .	2 00	
W. R. Bradford, books . . . . .	6 50	
J. L. Hammett Co., books . . . . .	1 46	
Hurd & Everts, books . . . . .	17 00	
F. E. Ormsley & Co., books . . . . .	75	
Lewis R. Janes, books . . . . .	1 60	
Journal of Pedagogy, book . . . . .	2 00	
John Moore, book . . . . .	6 00	
W. R. Moorehead, books . . . . .	2 70	
Rand, McNally, & Co., book . . . . .	1 50	
Sampson, Murdock, & Co., books . . . . .	9 00	
Forbes & Co., books . . . . .	1 04	
Silver, Burdett, & Co., books . . . . .	5 25	
Eastern Publishing Co., book . . . . .	88	
George M. Smith, books . . . . .	3 50	
	<hr/>	
Amounts carried forward . . . . .	\$3,277 49	\$13,745 01

Amounts brought forward . . . . .	\$3,277 49	\$13,745 01
John C. Yorston, books . . . . .	3 00	
W. F. Adams, book . . . . .	6 75	
A. S. Barnes & Co., books . . . . .	1 00	
Hinds & Noble, books . . . . .	1 00	
Chautauqua Press, books . . . . .	4 50	
T. T. Fryer, books . . . . .	3 50	
James H. Lamb Co., books . . . . .	14 00	
Small, Maynard, & Co., books . . . . .	3 00	
James H. West, books . . . . .	1 12	
George W. Stadley & Co., books . . . . .	25 00	
History Publishing Co., books . . . . .	1 55	
Rockwell & Churchill, books . . . . .	1 00	
University Book Store, books . . . . .	7 00	
Bradlee Whidden, books . . . . .	15 00	
Bookkeeping Publishing Co., books . . . . .	4 00	
W. A. DePew, books . . . . .	9 25	
Edwin C. Bennett, books . . . . .	2 00	
Samuel Benner, books . . . . .	1 00	
Dodd, Mead, & Co., books . . . . .	2 98	
Ginn & Co., books . . . . .	11 86	
International Society, books . . . . .	3 00	
Charles F. Libbee & Co., books . . . . .	126 43	
George N. Morang, books . . . . .	1 50	
Francis R. Nightingale, books . . . . .	24 00	
Hazard Stevens, books . . . . .	5 00	
H. W. Wilson, books . . . . .	11 00	
C. C. Bass, books . . . . .	1 50	
F. S. Blanchard Co., books . . . . .	3 00	
Rev. T. M. Merriman, books . . . . .	1 50	
Truslove, Hanson, & Comba, books . . . . .	1 16	
Cumulative Index Co., books . . . . .	5 00	
Essex Institute, books . . . . .	2 00	
G. Schermer, books . . . . .	3 00	
M. P. Thiery, books . . . . .	1 20	
John Wanamaker, books . . . . .	5 00	
William J. Campbell, books . . . . .	2 00	
H. S. Inman, books . . . . .	24 00	
James H. Stark, books . . . . .	7 50	
Mrs. D. Sterling, books . . . . .	1 50	
William H. Guild & Co., periodicals . . . . .	416 29	
George T. Bailey, periodicals . . . . .	32 17	
Publishers' Weekly, periodicals . . . . .	28 50	
William Wood & Co., periodicals . . . . .	5 00	
C. M. Blake, periodicals . . . . .	3 00	
George E. Whitaker, periodicals . . . . .	1 25	
Somerville High School Radiator, periodical . . . . .	1 50	
West Somerville Reporter, periodical . . . . .	1 00	
S. E. Casino, periodical . . . . .	50	
David Farquhar, binding books . . . . .	685 38	
P. B. Sanford, binding books . . . . .	114 25	
P. B. Sanford Co., binding books . . . . .	73 30	
J. H. H. McNamee, binding books . . . . .	46 00	
F. J. Barnard & Co., binders . . . . .	4 20	
W. A. Greenough, directory . . . . .	3 00	
Library Bureau, cards, etc. . . . .	141 65	
Olin S. Davis, utility pockets . . . . .	9 00	
Link Mfg. Co., mucilage . . . . .	5 00	
Amounts carried forward . . . . .	\$5,196 28	\$13,745 01



Amounts brought forward . . . . .	\$5,196 28	\$13,745 01
A. E. Googins, oil . . . . .	1 00	
Eastern Drug Co., typewriter . . . . .	90 00	
Smith Premier Typewriter Co., carbon, etc. . . . .	16 50	
Hammond Typewriter Co., supplies . . . . .	70	
E. R. Morse, repairs . . . . .	4 50	
C. H. Nelson, repairs . . . . .	10 75	
M. F. Underwood, repairs . . . . .	6 90	
Fred W. Farrar, clock work . . . . .	2 50	
Vermont Farm Co., boxes . . . . .	21 38	
W. J. Dobinson, electros . . . . .	40 64	
American Net & Twine Co., netting . . . . .	2 00	
Charles H. Brown Estate, picture . . . . .	10 00	
Library Art Club, pictures . . . . .	5 00	
G. E. Stechert, pictures . . . . .	4 12	
C. H. Dunton & Co., pictures . . . . .	46 24	
Benjamin F. Freeman, pictures . . . . .	16 50	
Prang Educational Co., plates . . . . .	6 93	
Dennison Mfg. Co., supplies . . . . .	1 50	
Charles M. Higgins, supplies . . . . .	3 15	
Underhill Hardware Co., supplies . . . . .	35	
Cambridge Botanical Supply Co., sup- plies . . . . .	1 25	
Somerville Journal Co., printing . . . . .	256 97	
The Citizen Co., printing . . . . .	68 66	
Thomas Groom & Co., stationery . . . . .	40 35	
Somerville Post-office, stamps . . . . .	20 00	
Charles S. Robertson, insurance . . . . .	252 40	
Hinckley & Woods, insurance . . . . .	2 25	
E. R. Perham, expressing . . . . .	115 10	
Gilman Express Co., expressing . . . . .	91 48	
C. R. Taylor, expressing . . . . .	88 05	
J. H. Grundy, expressing . . . . .	1 55	
Thorpe's Express, expressing . . . . .	1 40	
Glines & Co., expressing . . . . .	1 09	
Somerville Electric Light Co., lighting . . . . .	53 40	
Cambridge Gas Light Co., gas . . . . .	4 80	
New England Telephone & Telegraph Co., rentals and tolls . . . . .	49 32	
City of Somerville, water . . . . .	4 36	
C. A. Southwick, labor . . . . .	68 84	
C. A. Southwick, Jr., labor . . . . .	1 00	
James Wilson, agency . . . . .	59 00	
Creighton & Clark, agency . . . . .	35 16	
S. Louise Chandler, agency . . . . .	31 92	
S. A. Riker, agency . . . . .	24 83	
Abby A. Cross, agency . . . . .	5 35	
Herbert E. Bowman, agency . . . . .	3 14	
Sam Walter Foss, librarian . . . . .	1,800 00	
disbursements . . . . .	51 50	
Adele Smith, assistant librarian . . . . .	600 00	
F. Mabel Norcross, cataloguer . . . . .	500 04	
Esther M. Mayhew, assistant cataloguer . . . . .	452 86	
Anna L. Stone, children's librarian . . . . .	487 53	
Mary J. Warren, assistant . . . . .	487 53	
Mabel E. Bunker, reference and art li- brarian . . . . .	468 47	
Mary S. Woodman, assistant . . . . .	405 30	
Amounts carried forward . . . . .	\$12,021 84	\$13,745 01

Amounts brought forward . . . . .	\$12,021 84	\$13,745 01
Edith B. Hayes, school librarian . . . . .	300 80	
Florence D. Hurter, assistant . . . . .	210 06	
Bessie L. Duddy, assistant . . . . .	150 94	
Mary L. Simas, assistant . . . . .	44 60	
F. Edward Kaula, assistant . . . . .	442 40	
Aubrey A. Hills, assistant . . . . .	394 27	
Stanley E. Flewelling, assistant . . . . .	80 60	
Charles F. Shepard, assistant . . . . .	64 41	
Gardner Stacy, assistant . . . . .	35 09	
	<hr/>	\$13,745 01
		<hr/> <hr/>

**Public Library Addition.**

## CREDIT.

Balance from 1899 . . . . .	\$6,058 03
Appropriations, amount assessed . . . . .	3,000 00
	<hr/>
	\$9,058 03

## DEBIT.

Cash, paid Loring & Phipps, services as architects . . . . .	\$418 43
Assignees John J. Coon & Co., on account of contract . . . . .	985 32
Isaac Coffin & Co., on account of contract . . . . .	829 00
S. J. Kelley, on account of contract . . . . .	5,111 97
Derby Desk Co., furniture . . . . .	563 75
Conant, Ball, & Co., chairs . . . . .	332 00
Office, Bank, & Library Co., fittings . . . . .	50 75
Revere Rubber Co., matting . . . . .	25 88
F. Bryant & Co., electric work . . . . .	37 22
W. T. Cleveland, electric work . . . . .	35 25
C. H. McKenney & Co., gas fixtures . . . . .	425 88
John McLoughlin, gas fixtures . . . . .	41 00
Underhill Hardware Co., hardware . . . . .	53 14
City of Somerville, water . . . . .	14 68
	<hr/>
	\$8,924 27
Balance to credit of account, 1901 . . . . .	133 76
	<hr/>
	\$9,058 03
	<hr/> <hr/>

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

## CREDIT.

Amount held in trust, income to be used for art . . . . .	\$4,000 00
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## DEBIT.

Balance to credit of account, 1901 . . . . .	\$4,000 00
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**Public Library, Isaac Pitman Fund, Poetry.**

## CREDIT.

Amount held in trust, income to be used for poetry . . . . .	\$1,000 00
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## DEBIT.

Balance to credit of account, 1901 . . . . .	\$1,000 00
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**Public Property.**

## CREDIT.

Balance to debit in account, 1901 . . . . .	\$2,990,378 92
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## DEBIT.

Property and Debt Balance, property ac- quired in 1900 . . . . .	\$95,135 78
Balance from 1899 . . . . .	2,895,243 14
	<u>\$2,990,378 92</u>

**Real Estate Liens.**

## CREDIT.

Balance to 1901 . . . . .	\$2,740 09
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## DEBIT.

Balance from 1899 . . . . .	<u>\$2,740 09</u>
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**Reduction of Funded Debt.**

## CREDIT.

Appropriations, amount assessed . . . . .	\$62,600 00
Reduction of Funded Debt, Metropolitan Sewer Assess- ment, amount transferred . . . . .	24,000 00
Water Works Income, amount appropriated . . . . .	77,784 71
Cash, received of Esterbrook & Co., pre- mium on bonds . . . . .	\$3,632 80
Charles Steere, land on Glen street . . . . .	71 00
	<u>3,703 80</u>
	\$168,088 51
Excess and Deficiency, balance to debit of account . . . . .	10,502 86
	<u>\$178,591 37</u>

## DEBIT.

Balance from 1899 . . . . .	\$24,091 37
Property and Debt Balance, amount of re- duction of Funded Debt, 1900 . . . . .	154,500 00
	<u>\$178,591 37</u>

**Reduction of Funded Debt, Metropolitan Sewer Assessment.**

## CREDIT.

Balance from 1899 . . . . .	\$31,000 00
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## DEBIT.

Public Buildings Maintenance, Schoolhouses account, amount transferred . . . . .	\$7,000 00
Reduction of Funded Debt, amount trans- ferred . . . . .	24,000 00
	<u>\$31,000 00</u>

**Renewals of Funded Debt.**

## CREDIT.

Appropriations, amount authorized by loans . . . . .	\$12,000 00
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## DEBIT.

Property and Debt Balance, amount of Funded Debt re- newed in 1900 . . . . .	\$12,000 00
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**School Contingent.**

## CREDIT.

Appropriations, amount assessed . . . . .	\$22,000 00
Cash, received of H. E. Cousins, tuition of non-resident pupil . . . . .	\$24 09
G. A. Southworth, injury to property . . . . .	80 91
G. R. Fiske & Co., bill previously paid . . . . .	3 00
	<hr/>
	108 00
	<hr/>
	\$22,108 00

## DEBIT.

Cash, paid Gordon A. Southworth, salary as superintendent of schools . . . . .	\$3,000 00
disbursements . . . . .	170 58
E. L. Hannay, clerk in superintendent's office . . . . .	650 01
Lemuel H. Snow, truant officer . . . . .	1,033 30
disbursements . . . . .	46 20
Jairus Mann, truant officer . . . . .	50 02
Ginn & Co., books . . . . .	1,709 63
Silver, Burdett, & Co., books . . . . .	1,093 17
Edward E. Babb & Co., books . . . . .	811 59
Thomas R. Shewell & Co., books . . . . .	712 17
American Book Co., books . . . . .	474 15
University Publishing Co., books . . . . .	448 35
D. C. Heath & Co., books . . . . .	232 45
Houghton, Mifflin, & Co., books . . . . .	110 46
Werner School Book Co., books . . . . .	128 80
Allyn & Bacon, books . . . . .	112 36
F. H. Gibson Co., books . . . . .	64 54
Lothrop Publishing Co., books . . . . .	59 10
Boston School Supply Co., books . . . . .	58 61
Rand, McNally, & Co., books . . . . .	41 45
Mary Alderson Chandler, books . . . . .	40 00
Thompson, Brown, & Co., books . . . . .	30 00
DeWolfe, Fiske, & Co., books . . . . .	24 27
T. H. Castor & Co., books . . . . .	37 14
Emerson College of Oratory, books . . . . .	20 20
D. Appleton & Co., books . . . . .	18 00
Henry Holt & Co., books . . . . .	16 81
Longmans, Green, & Co., books . . . . .	11 00
A. L. Cadwell, books . . . . .	5 75
A. I. Bradley & Co., books . . . . .	3 90
C. W. Bardeen, books . . . . .	3 92
F. S. Blanchard & Co., books . . . . .	3 00
	<hr/>
Amounts carried forward . . . . .	\$11,220 93
	<hr/>
	\$22,108 00

Amounts brought forward . . . . .	\$11,220 93	\$22,108 00
Adams, Cushing, & Foster, ink . . . . .	1,429 63	
Clark Mfg. Co., ink . . . . .	57 20	
Suffolk Ink Co., ink . . . . .	3 00	
Wadsworth, Howland, & Co., drawing supplies . . . . .	445 06	
P. P. Caproni & Brother, drawing supplies . . . . .	24 90	
Prang Educational Co., drawing supplies . . . . .	5 93	
Mary F. Carrick, drawing supplies . . . . .	3 26	
John M. Woods & Co., manual training supplies . . . . .	207 41	
Frost & Adams Co., manual training supplies . . . . .	39 35	
Chandler & Barber, manual training supplies . . . . .	16 95	
Allan Staples, manual training supplies . . . . .	1 75	
Wyman & Gordon, manual training supplies . . . . .	1 00	
F. W. Wamsley, biological supplies . . . . .	11 00	
Gilman Square Fish Market, biological supplies . . . . .	6 25	
Arthur V. Howland, biological supplies . . . . .	2 50	
Marshall, Johnson, & Son, biological supplies . . . . .	1 75	
L. E. Knott Apparatus Co., laboratory supplies . . . . .	232 27	
Charles Place, geological supplies . . . . .	3 29	
Thomas Hollis Co., laboratory supplies . . . . .	37 54	
J. L. Hammett Co., supplies . . . . .	1,699 25	
The Morse Co., supplies . . . . .	512 70	
George S. Perry & Co., supplies . . . . .	182 42	
Mrs. E. T. Curtis, supplies . . . . .	80 00	
Williams & Rogers, supplies . . . . .	14 45	
Robert W. Willson, supplies . . . . .	33 20	
N. H. Crowell, supplies . . . . .	40 30	
Dennison Mfg. Co., supplies . . . . .	5 87	
Mitchell Mfg. Co., supplies . . . . .	4 36	
Dame, Stoddard, & Co., supplies . . . . .	50	
Yamanaka Co., supplies . . . . .	4 60	
Cambridge Botanical Supply Co., supplies . . . . .	50 30	
W. E. Plumer & Co., supplies . . . . .	98 63	
Jordan, Marsh, & Co., supplies . . . . .	26 80	
Keuffel & Esser Co., supplies . . . . .	45 45	
Cook-Vivian Co., supplies . . . . .	22 50	
Walter M. Hatch & Co., supplies . . . . .	78	
Andrew J. Lloyd, supplies . . . . .	6 56	
Dame, Stoddard, & Kendall, supplies . . . . .	18 00	
Heywood Brothers & Wakefield Co., supplies . . . . .	9 00	
Norman Peirce, supplies . . . . .	2 70	
John C. Haynes & Co., supplies . . . . .	4 50	
M. E. Youngjohn, supplies . . . . .	1 29	
Holden Patent Book Cover Co., covers . . . . .	15 75	
David Farquhar, binding books . . . . .	410 37	
F. J. Barnard & Co., binding books . . . . .	5 76	
Eagle Pencil Co., pencils . . . . .	78 68	
Sprague & Hathaway Co., frame . . . . .	6 24	
Neostyle Co., neostyle . . . . .	51 75	
Amounts carried forward . . . . .	<u>\$17,183 68</u>	<u>\$22,108 00</u>

Amounts brought forward . . . . .	\$17,183 68	\$22,108 00
W. A. Greenough, directory . . . . .	3 00	
Somerville Journal Co., printing . . . . .	400 65	
The Citizen Co., printing . . . . .	265 74	
George F. King & Co., stationery . . . . .	542 36	
M. L. Vinal, stationery . . . . .	456 48	
Smith Premier Typewriter Co., type- writers . . . . .	109 75	
Thorpe & Martin Co., repairing type- writers . . . . .	72 65	
F. S. Webster Co., typewriter supplies . . . . .	5 62	
F. C. Baldwin, disbursements . . . . .	43 21	
H. P. Knight, disbursements . . . . .	16 74	
C. T. C. Whitcomb, disbursements . . . . .	11 40	
Charles E. Brainard, disbursements . . . . .	6 64	
J. S. Emerson, disbursements . . . . .	3 91	
Howard W. Poor, disbursements . . . . .	1 75	
Middlesex County Truant School, board of truants . . . . .	219 11	
Elizabeth S. Webster, taking school census . . . . .	46 64	
Clara Z. Elliot, taking school census . . . . .	33 46	
Charles B. Palmer, taking school census . . . . .	30 28	
G. A. Maynard, taking school census . . . . .	27 78	
Charles W. Goodrich, taking school census . . . . .	21 02	
Charles E. Davis, taking school census . . . . .	19 60	
Susan E. Gilcrease, taking school census . . . . .	19 04	
Harvard University, examination papers . . . . .	3 90	
B. F. Freeman, photographs . . . . .	8 00	
E. S. Daniels, tuning pianos . . . . .	16 50	
First Methodist Church, use of edifice . . . . .	150 00	
Hadley's Orchestra, music . . . . .	75 00	
George A. Gordon, address . . . . .	50 00	
William G. Ward, address . . . . .	25 00	
Arthur Little, address . . . . .	25 00	
H. W. Stone, engraving . . . . .	59 80	
Boston Bank Note Co., diplomas . . . . .	115 22	
G. R. Fisk & Co., ribbon . . . . .	70 60	
E. G. Davis & Son, collation . . . . .	86 40	
Howard Lowell & Son, carriage hire . . . . .	7 00	
J. H. Grundy, expressing . . . . .	164 00	
Gilman & Co., expressing . . . . .	50	
New England Telephone & Telegraph Co., rentals and tolls . . . . .	167 14	
	<hr/>	
	\$20,564 57	
Excess and Deficiency, balance to credit of account . . . . .	1,543 43	
	<hr/>	
		\$22,108 00

### Schoolhouse, Burns, Addition.

#### CREDIT.

Appropriations, amount assessed . . . . .	\$180 87
Schoolhouse, Ward Two, amount transferred . . . . .	346 75
	<hr/>
Amount carried forward . . . . .	\$527 62

Amount brought forward . . . . .		\$527 62
DEBIT.		
Balance from 1899 . . . . .	\$180 87	
Cash, paid T. Allen, concrete . . . . .	346 75	
		\$527 62

**Schoolhouse, Charles G. Pope, Improvements.**

CREDIT.		
Appropriations, amount appropriated by borrowing on Funded Debt account . . . . .		\$2,000 00
DEBIT.		
Cash, paid H. W. Covell, on account of con- tract . . . . .	\$1,350 00	
William J. Carlin, vent pipes, etc. . . . .	278 00	
A. H. Hines, mason work . . . . .	185 00	
G. F. Matthews, carpentering . . . . .	77 94	
L. C. Seavey, roofing . . . . .	7 45	
	\$1,898 39	
Balance to credit of account, 1901 . . . . .	101 61	
		\$2,000 00

**Schoolhouse, Forster, Improvement.**

CREDIT.		
Balance from 1899 . . . . .		\$14,396 04
Schoolhouse, Ward Two, amount transferred . . . . .		637 84
		\$15,033 88
DEBIT.		
Cash, paid Prescott & Sidebottom, services as architects . . . . .	\$354 20	
Frank G. Coburn & Co., on account of contract . . . . .	10,975 00	
Isaac Coffin & Co., on account of con- tract . . . . .	1,600 00	
T. Allen, concreting . . . . .	562 10	
Chandler Adjustable Chair and Desk Works, furniture . . . . .	1,156 05	
Derby Desk Co., furniture . . . . .	155 25	
William E. Daniels, window shades . . . . .	117 00	
Moulton C. Libbey, clocks . . . . .	30 00	
James Wilkinson & Co., electric work . . . . .	21 75	
Glines & Co., freight and express . . . . .	41 30	
Highways Maintenance account, curbing . . . . .	21 23	
	\$15,033 88	

**Schoolhouse, Highland, Sanitary Improvement.**

CREDIT.		
Balance from 1899 . . . . .		\$21 36
DEBIT.		
Balance to credit of account, 1901 . . . . .		\$21 36

**Schoolhouse in or near Ward Seven.**

## CREDIT.

Appropriations, amount appropriated by borrowing on Funded Debt account . . . . .	\$45,000 00
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## DEBIT.

Cash, paid Z. E. Cliff, land . . . . .	\$2,537 50
Walter A. Rice, land . . . . .	2,485 75
Lord Brothers, on account of contract . . . . .	9,900 00
B. L. Makepeace & Co., blue prints . . . . .	10 94
L. M. Parker, typewriting . . . . .	9 48
City of Somerville, taxes for 1900 . . . . .	60 60

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\$15,004 27

Public Grounds, Land on Prospect Hill for Park Purposes account, amount trans- ferred . . . . .	4,000 00
Highways, Paving Cross Street, amount transferred . . . . .	3,000 00
Public Grounds, amount transferred . . . . .	1,000 00

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\$23,004 27

Balance to credit of account, 1901 . . . . .	21,995 73
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\$45,000 00

**Schoolhouse in Ward Two.**

## CREDIT.

Appropriations, amount appropriated by borrowing on Funded Debt account . . . . .	\$40,000 00
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## DEBIT.

Cash, paid Ellen Elizabeth, Nathan Ballard, Walter Sherman, George Otis, and Arthur Dudley Harrington, land . . . . .	\$4,000 00
Arthur W. Berry, on account of contract . . . . .	12,768 75
Huey Brothers, on account of contract . . . . .	1,200 00
Alexander Duncan & Co., plans for heat- ing apparatus . . . . .	76 92
B. L. Makepeace & Co., blue prints . . . . .	15 84
Laura M. Parker, typewriting . . . . .	5 26
F. C. Alexander, iron pipe . . . . .	17 12
Alfred H. Hines, mason work . . . . .	2 40
City of Somerville, taxes . . . . .	44 80

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\$18,131 09

Public Grounds, Land on Prospect Hill for Park Purposes account, amount transferred . . . . .	6,000 00
Public Grounds, Land for Park Purposes, amount transferred . . . . .	1,500 00

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\$25,631 09

Balance to credit of account, 1901 . . . . .	14,368 91
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\$40,000 00



**Schoolhouse, O. S. Knapp, Improvements.**

CREDIT.

Appropriations, amount appropriated by borrowing on Funded Debt account . . . . .	\$8,000 00
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DEBIT.

Cash, paid Isaac Coffin & Co., on account of contract . . . . .	\$4,431 00	
Armstrong Brothers, on account of con- tract . . . . .	1,406 36	
Weld Mfg. Co., heat regulating appa- ratus . . . . .	430 00	
William J. Carlin, vent pipes, etc. . . . .	148 00	
James W. McArdle, mason work . . . . .	969 38	
G. F. Matthews, carpentering . . . . .	356 09	
Alfred H. Hines, mason work . . . . .	10 20	
M. F. Underwood, electric work . . . . .	22 00	
Couch & Seely Co., telephones . . . . .	63 00	
A. A. Sanborn, plans . . . . .	135 45	
	<hr/>	
	\$7,971 48	
Balance to credit of account, 1901 . . . . .	28 52	
	<hr/>	
		<u>\$8,000 00</u>

**Schoolhouse, Ward One.**

CREDIT.

Schoolhouse, Ward Two, account, amount transferred . . . . .	\$378 00
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DEBIT.

Cash, paid William H. Staples, extra work . . . . .	\$378 00
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**Schoolhouse, Ward Two.**

CREDIT.

Balance from 1899 . . . . .	\$1,362 59
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DEBIT.

Schoolhouse, Forster, Improvement, amount transferred . . . . .	\$637 84	
Schoolhouse, Burns, Addition, amount transferred . . . . .	346 75	
Schoolhouse, Ward One, amount trans- ferred . . . . .	378 00	
	<hr/>	
		<u>\$1,362 59</u>

**School Teachers' Salaries.**

CREDIT.

Appropriations, amount assessed . . . . .	\$208,000 00
Excess and Deficiency, balance to debit of account . . . . .	129 97
	<hr/>
	\$208,129 97

DEBIT.

Cash, paid salaries as per pay-rolls . . . . .	\$208,129 97
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**Sealer of Weights and Measures.**

## CREDIT.

Appropriations, amount assessed . . . . .	\$1,065 00
Cash, received of John H. Dusseault, fees . . . . .	329 74
	<hr/>
	\$1,394 74

## DEBIT.

Cash, paid John H. Dusseault, salary as sealer of weights and measures . . . . .	\$800 00
disbursements . . . . .	178 60
Herman Strater & Sons, measures . . . . .	20 50
J. W. Staniford & Co., graduates . . . . .	1 00
The Citizen Co., printing and advertising . . . . .	15 00
Somerville Journal Co., advertising . . . . .	5 50
Thomas Groom & Co., directory . . . . .	3 25
C. C. Hoffman & Co., stamps . . . . .	11 50
	<hr/>
	\$1,035 35
Excess and Deficiency, balance to credit of account . . . . .	359 39
	<hr/>
	\$1,394 74

**Sewer Assessments.**

## CREDIT.

Cash, received of sundry persons . . . . .	\$5,160 96
Sewers Construction account, abatements . . . . .	15 00
	<hr/>
	\$5,175 96
Balance to debit of account, 1901 . . . . .	11,459 83
	<hr/>
	\$16,635 79

## DEBIT.

Balance from 1899 . . . . .	\$6,046 98
Sewers Construction account, assessments levied . . . . .	10,588 81
	<hr/>
	\$16,635 79

**Sewers Construction.**

## CREDIT.

Balance from 1899 . . . . .	\$32,973 90
Water Works Income account, amount appropriated . . . . .	12,000 00
Water Works Income account, amount transferred . . . . .	12,151 12
Sewer Assessments, assessments levied . . . . .	10,588 81
Cash, received of James Doran, draining lot into Elm Street . . . . .	\$35 49
George T. Bosson & L. Roger Went- worth, trustees, dividend on private work on sewer . . . . .	6 25
Sidewalks Construction account, labor, etc. . . . .	23 52
	<hr/>
	65 26
	<hr/>
Amount carried forward . . . . .	\$67,779 09

Amount brought forward . . . . . \$67,779 09

## DEBIT.

Cash, paid laborers . . . . .	\$4,190 67	
David W. Lewis, drain pipe . . . . .	4,330 20	
George D. Goodrich, drain pipe . . . . .	2,023 85	
Portland Stone Ware Co., drain pipe . . . . .	24 72	
Metropolitan Water Board, iron pipe . . . . .	6 70	
Berry & Ferguson, cement . . . . .	26 50	
W. A. Sanborn, bricks . . . . .	379 75	
M. A. Simpson, sand . . . . .	13 00	
John Bennett, sand . . . . .	1 50	
N. H. Reed & Son, rings and covers . . . . .	1,084 34	
Osgood & Hart, rings and covers . . . . .	422 84	
S. & R. J. Lombard, edgestones . . . . .	3 08	
James F. Davlin, plumbing . . . . .	3 70	
Thomas F. Martin, clean-out . . . . .	3 22	
Charles E. Berry, bolts . . . . .	4 30	
F. C. Ayer, lumber . . . . .	9 85	
Somerville Journal Co., printing . . . . .	95 05	
The Citizen Co., advertising . . . . .	37 00	
Edwin O. Childs, recording . . . . .	6 65	
E. W. Danforth, inspecting drain pipe . . . . .	138 00	
John J. Murray, car fares . . . . .	11 60	
Fitchburg Railroad Co., freight . . . . .	2,330 61	
Boston & Maine Railroad, freight . . . . .	1,115 72	
James Tevlin, hired teams . . . . .	603 57	
A. M. Prescott, hired teams . . . . .	28 50	
Charles W. Sawyer & Co., services as appraisers . . . . .	15 00	
William W. Fish, services as appraiser . . . . .	5 00	
A. W. Bryne Construction Co., final payment on account of sewer in Tannery Brook District . . . . .	2,800 00	
Annie E., William J., and Ella C. McCarthy, compensation for damages . . . . .	725 00	
Mary A. Dorney, compensation for damages . . . . .	100 00	
City of Cambridge, land damages . . . . .	316 44	
Highways Maintenance account, labor . . . . .	31 75	
Sewers Maintenance account, labor and materials . . . . .	183 14	
Water Maintenance account, materials . . . . .	35 85	
Maurice Buttimer, final payment on account of storm water drain in School street . . . . .	33 88	
Dennis C. Collins, sewer in Murray street . . . . .	13 78	
Bartholomew Burke, sewer in passage-way off Cedar street . . . . .	68 84	
Daniel A. Dorey, sewer in Prospect and Newton streets . . . . .	180 50	
Daniel A. Dorey, sewer in College avenue . . . . .	13 43	
Daniel A. Dorey, sewer in passageway off Main street . . . . .	143 96	
Daniel A. Dorey, extras . . . . .	56 19	
Charles A. Mongan, sewer in Sycamore and Willoughby streets . . . . .	42 70	
Amounts carried forward . . . . .	<u>\$21,660 38</u>	<u>\$67,779 09</u>

Amounts brought forward . . . . .	\$21,660 38	\$67,779 09
Charles A. Mongan, sewer in West street . . . . .	65 71	
Charles A. Kelley, sewer in Holyoke road . . . . .	405 43	
Charles A. Kelley, sewer in Concord square district . . . . .	384 58	
Charles A. Kelley, sewer in Lowden avenue, Mallet street, and Bay State avenue . . . . .	949 58	
Charles A. Kelley, sewer in Lowell street . . . . .	189 70	
Richard Falvey, sewer in Pritchard avenue . . . . .	272 40	
H. A. Hanscom & Co., sewer in Concord square district . . . . .	479 23	
H. A. Hanscom & Co., sewer in Somerville avenue, "separate systems" . . . . .	12,457 37	
William J. McCarthy, sewer in Josephine avenue . . . . .	448 71	
William J. McCarthy, sewer in Rogers avenue . . . . .	702 94	
William J. McCarthy, sewer in School street and Richdale avenue . . . . .	219 80	
William J. McCarthy, sewer in Broadway and Rogers avenue . . . . .	78 11	
William J. McCarthy, sewer in Josephine avenue . . . . .	49 86	
John C. Terry, sewer in Spencer avenue . . . . .	306 44	
John C. Terry, sewer in Hall street . . . . .	186 49	
John C. Terry, sewer in Josephine avenue . . . . .	515 17	
John C. Terry, sewer in Lowden avenue, Kidder avenue, and Bay State avenue . . . . .	1,614 52	
John C. Terry, sewer in North street and Conwell avenue . . . . .	1,068 80	
John C. Terry, sewer in Prospect street . . . . .	197 38	
C. E. Trumbull & Co., bell mouth chamber in Mystic avenue . . . . .	2,212 82	
Charles G. Craib, sewer in Somerville avenue, "separate systems" . . . . .	3,159 37	
Charles G. Craib, sewer in Clark street, Lincoln Park, and Washington street . . . . .	4,638 83	
Jeremiah Donovan, sewer in Warwick street . . . . .	43 48 <sup>^</sup>	
Sewer Assessments, assessments abated . . . . .	15 00	
	<hr/>	
	\$52,322 10	
Balance to credit of account, 1901 . . . . .	15,456 99	
	<hr/>	
		\$67,779 09
		<hr/>

### Sewers Maintenance.

#### CREDIT.

Water Works Income, amount appropriated . . . . .		\$9,000 00
Cash, received of City Engineer's account, changing grades . . . . .	\$42 19	
Highways, Boston-avenue Bridge, labor . . . . .	8 75	
Highways, Paving Davis Square, changing grade of manhole . . . . .	26 71	
Powder-house Boulevard, changing grade . . . . .	8 98	
	<hr/>	
Amounts carried forward . . . . .	\$86 63	\$9,000 00

Amounts brought forward . . . . .	\$86 63	\$9,000 00
Public Buildings Maintenance, Public Library, labor . . . . .	111 55	
Public Buildings Maintenance, School-houses, labor, etc. . . . .	53 26	
Public Grounds, loam . . . . .	35 00	
Sewers Construction, labor, etc. . . . .	183 14	
Support of Poor, City Home, cement . . . . .	2 70	
Water Works, Abatements on Water Charges, abatement . . . . .	40 00	
	<hr/>	512 28
		<hr/>
		\$9,512 28

## DEBIT.

Cash, paid laborers . . . . .	\$5,831 96	
James Tevlin, teaming . . . . .	2,408 41	
W. A. Sanborn, bricks . . . . .	158 55	
M. A. Simpson, sand . . . . .	7 85	
David W. Lewis, cement . . . . .	73 05	
The Highland Coal Co., cement . . . . .	6 48	
John Bennett, gravel . . . . .	1 00	
George D. Goodrich, drain pipe . . . . .	16 97	
Charles E. Berry, drilling . . . . .	5 35	
John A. Merrifield, oakum . . . . .	1 00	
I. H. Brown Moulding Co., lumber . . . . .	8 18	
F. C. Ayer, lumber . . . . .	21 13	
W. M. Rice, oak rollers . . . . .	17 23	
Osgood & Hart, catch basin, grate, etc. . . . .	45 55	
N. H. Reed & Sons, frames . . . . .	72 86	
Chapman Valve Mfg. Co., fittings . . . . .	27 00	
M. Norton & Co., hose . . . . .	77 43	
Boston Coupling Co., repairing hose . . . . .	75	
Howe & Flint, hardware . . . . .	24 46	
James Baker, rope . . . . .	34 16	
John Fisher, pails . . . . .	5 40	
Harris P. Tibbetts, carpentering . . . . .	9 09	
Charles L. Underhill, tools . . . . .	47 85	
Whitney & Snow, tools . . . . .	83 47	
Underhill Hardware Co., tools . . . . .	13 05	
F. Dooris, repairing tools . . . . .	2 65	
Edson Mfg. Co., repairing tools . . . . .	2 92	
Herbert Wood, repairing tools . . . . .	2 15	
A. Goldstein, rubber boots . . . . .	5 50	
G. D. Sherman, rubber boots . . . . .	66 50	
Charles A. Kelley, repairing sewer . . . . .	2 50	
John C. Terry, repairing drain . . . . .	6 00	
M. L. Vinal, flags . . . . .	1 00	
The Mitchell Mfg. Co., badges . . . . .	1 00	
J. L. McIntosh, stationery . . . . .	6 00	
Somerville Journal Co., printing . . . . .	3 25	
L. H. Brown, carriage hire . . . . .	1 00	
A. M. Prescott, use of horse . . . . .	3 00	
Ernest W. Danforth, car fares . . . . .	28 50	
Frank Reed, Agent, rent of water course . . . . .	300 00	
City of Somerville, water . . . . .	40 00	
New England Telephone & Telegraph Co., rentals and tolls . . . . .	8 57	
	<hr/>	
Amounts carried forward . . . . .	\$9,478 77	\$9,512 28

Amounts brought forward . . . . .	\$9,478 77	\$9,512 28
Water Maintenance, gate box . . . . .	5 75	
	<hr/>	
	\$9,484 52	
Excess and Deficiency, balance to credit of account . . . . .	27 76	
	<hr/>	
		\$9,512 28
		<hr/> <hr/>

**Sidewalk Assessments.**

## CREDIT.

Cash, received of sundry persons . . . . .	\$9,765 12	
Sidewalks Construction, amount assumed by the city . . . . .	284 65	
	<hr/>	
	\$10,049 77	
Balance to debit of account, 1901 . . . . .	10,941 63	
	<hr/>	
		\$20,991 40

## DEBIT.

Balance from 1899 . . . . .	\$3,386 09	
Sidewalks Construction, assessments levied . . . . .	17,605 31	
	<hr/>	
		\$20,991 40
		<hr/> <hr/>

**Sidewalks Construction.**

## CREDIT.

Appropriations, amount assessed . . . . .	\$10,000 00	
Appropriations, amount appropriated by borrowing on Funded Debt account . . . . .	8,000 00	
Highways, Watering Streets, amount transferred . . . . .	4,000 00	
Sidewalk assessments levied . . . . .	17,605 31	
Cash, received of Annie Stanley, sidewalk . . . . .	\$220 08	
James W. Rich, sidewalk . . . . .	37 95	
John McCarthy, bricks . . . . .	27 60	
Wilbur P. Rice, bricks . . . . .	12 50	
Anna M. Oman, bricks . . . . .	18 00	
Isabel M. King, bricks . . . . .	39 00	
Clara Viverois, bricks . . . . .	18 00	
Helen M. Mayo, bricks . . . . .	39 00	
J. K. Warren, bricks . . . . .	15 00	
William E. Wentworth, bricks . . . . .	37 50	
T. J. McCarthy, bricks . . . . .	16 50	
George W. Welch, bricks . . . . .	21 62	
Fannie E. Sprague, bricks . . . . .	18 00	
Viana M. Hanson, bricks . . . . .	18 00	
Lizzie M. Owen, bricks . . . . .	16 50	
Clara S. Day, bricks . . . . .	42 00	
Nathan J. Davis, bricks . . . . .	18 00	
Sarah J. Richardson, bricks . . . . .	18 00	
Augustus B. Byam, bricks . . . . .	18 00	
Oliver W. Marsh, bricks . . . . .	18 00	
Arthur B. Grover, bricks . . . . .	28 42	
Hannah I. Buss, bricks . . . . .	15 50	
	<hr/>	
Amounts carried forward . . . . .	\$713 17	\$39,605 31
		<hr/> <hr/>

Amounts brought forward . . . . .	\$713 17	\$39,605 31
Highways, Maintenance account, edgestones . . . . .	21 56	
	<hr/>	734 73
		<hr/>
		\$40,340 04

DEBIT.

Cash, paid laborers . . . . .	\$10,236 76	
S. & R. J. Lombard, edgestones . . . . .	18,115 74	
W. A. Sanborn, bricks . . . . .	3,747 23	
Thomas Casey, bricks . . . . .	131 39	
S. H. Abbott, allowance on sidewalk . . . . .	84 50	
Wilbur F. Mansfield, allowance on sidewalk . . . . .	15 80	
Joseph S. Glover, allowance on sidewalk . . . . .	13 60	
Oxford-street Trust, allowance on sidewalk . . . . .	101 50	
Somerville Journal Co., advertising . . . . .	204 50	
Citizen Co., advertising . . . . .	130 75	
Highways, Maintenance account, city teams, gravel, etc. . . . .	3,581 07	
Sewers Construction, edgestones and labor . . . . .	23 52	
Sidewalk Assessments, assessments abated . . . . .	284 65	
	<hr/>	
	\$36,671 01	
Public Grounds, Land on Prospect Hill for Park Purposes, amount transferred . . . . .	3,000 00	
	<hr/>	
	\$39,671 01	
Balance to credit of account, 1901 . . . . .	669 03	
	<hr/>	
		\$40,340 04
		<hr/> <hr/>

**Sidewalks Maintenance.**

CREDIT.

Appropriations, amount assessed . . . . .		\$5,000 00
Cash, received of Boston & Maine Railroad, sidewalk . . . . .	\$200 00	
Public Buildings, Maintenance account, edgestones . . . . .	97 37	
	<hr/>	297 37
		<hr/>
		\$5,297 37
Excess and Deficiency, balance to debit of account . . . . .		542 36
		<hr/>
		\$5,839 73

DEBIT.

Cash, paid laborers . . . . .	\$4,217 08	
W. A. Sanborn, bricks . . . . .	894 43	
Thomas Casey, bricks . . . . .	17 25	
S. & R. J. Lombard, edgestones . . . . .	110 57	
	<hr/>	
Amounts carried forward . . . . .	\$5,239 33	\$5,839 73
		<hr/> <hr/>

Amounts brought forward . . . . .	\$5,239 33	\$5,839 73
T. Allen, concreting . . . . .	52 50	
D. M. Smith, teaming . . . . .	18 00	
Thomas Groom & Co., book . . . . .	18 50	
Highways, Maintenance account, use of city teams . . . . .	511 40	
	<hr/>	<hr/> <hr/>
		\$5,839 73

**Soldiers' Burials.**

## CREDIT.

State of Massachusetts, burials . . . . .		\$420 00
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## DEBIT.

Cash, paid Alfred E. Mann, services as undertaker . . . . .	\$140 00	
C. F. Bryant, services as undertaker . . . . .	105 00	
John E. Bryant, services as undertaker . . . . .	35 00	
E. H. Marsh & Son, services as under- takers . . . . .	35 00	
Vincent Reade, Jr., services as under- taker . . . . .	35 00	
P. H. Rafferty, services as undertaker . . . . .	35 00	
John S. McGowan, services as under- taker . . . . .	35 00	
	<hr/>	<hr/> <hr/>
		\$420 00

**Soldiers' Relief.**

## CREDIT.

Appropriations, amount assessed . . . . .		\$15,000 00
Cash, sundry persons, money not called for . . . . .		10 00
		<hr/>
		\$15,010 00

## DEBIT.

Cash, paid sundry persons as per pay-rolls . . . . .	\$14,521 00	
Somerville Hospital, aid . . . . .	42 72	
Danvers Insane Hospital, board . . . . .	16 72	
Ernest L. Vaughan, watching . . . . .	9 00	
Somerville Journal, printing . . . . .	5 75	
	<hr/>	
	\$14,595 19	
Excess and Deficiency, balance to credit of account . . . . .	414 81	
	<hr/>	<hr/> <hr/>
		\$15,010 00

**Somerville Hospital.**

## CREDIT.

Appropriations, amount assessed . . . . .		\$5,000 00
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## DEBIT.

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



**State Aid.**

## CREDIT.

State of Massachusetts, amount paid in 1900, charged to state . . . . .	\$11,388 00
Cash, sundry persons, money not called for . . . . .	22 00
	<hr/>
	\$11,410 00

## DEBIT.

Cash, paid monthly pay-rolls . . . . .	\$11,410 00
	<hr/> <hr/>

**State of Massachusetts, Metropolitan Sewer Assessment.**

## CREDIT.

Appropriations, amount assessed . . . . .	\$41,924 34
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## DEBIT.

Cash, paid state treasurer, assessment of 1900 . . . . .	\$41,924 34
	<hr/> <hr/>

**State of Massachusetts, Metropolitan Water Assessment.**

## CREDIT.

Appropriations, amount appropriated from Water Works Income . . . . .	\$28,689 24
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## DEBIT.

Cash, paid state treasurer, Metropolitan water assessment for the year 1900 . . . . .	\$28,689 24
	<hr/> <hr/>

**State of Massachusetts, Military Aid.**

## CREDIT.

Cash, received of state treasurer . . . . .	\$238 50
Balance December 31, 1900, due from state December 10, 1901 . . . . .	341 50
	<hr/>
	\$580 00

## DEBIT.

Balance from 1899 . . . . .	\$231 50
Military Aid, one-half of amount paid in 1900 . . . . .	348 50
	<hr/>
	\$580 00
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**State of Massachusetts, National Bank Tax.**

## CREDIT.

Appropriations, amount assessed . . . . .	\$1,036 80
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## DEBIT.

Cash, paid state treasurer, national bank tax . . . . .	\$1,036 80
	<hr/> <hr/>

**State of Massachusetts, Soldiers' Burials.**

## CREDIT.

Cash, received of state treasurer, for burials in 1899 . . . . .	\$350 00
Balance December 31, 1900, due from state December 10, 1901 . . . . .	420 00
	<hr/>
	\$770 00

## DEBIT.

Balance from 1899 . . . . .	\$350 00
Soldiers' burials, 1900 . . . . .	420 00
	<hr/>
	\$770 00

**State of Massachusetts, State Aid.**

## CREDIT.

Cash, received of state treasurer . . . . .	\$10,803 00
Balance December 31, 1900, due from state December 10, 1901 . . . . .	11,254 00
	<hr/>
	\$22,057 00

## DEBIT.

Balance from 1899 . . . . .	\$10,669 00
State Aid, amount paid in 1900 . . . . .	11,388 00
	<hr/>
	\$22,057 00

**State of Massachusetts, State Tax.**

## CREDIT.

Appropriations, amount appropriated . . . . .	\$27,075 00
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## DEBIT.

Cash, paid state treasurer, state tax . . . . .	\$27,075 00
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**Street Lights.**

## CREDIT.

Appropriations, amount assessed . . . . .	\$17,000 00
Excess and Deficiency account, amount transferred . . . . .	36,991 52
	<hr/>
	\$53,991 52

## DEBIT.

Cash, paid Somerville Electric Light Co., lighting . . . . .	\$50,041 78
Welsbach Street Lighting Co. of America, lighting . . . . .	3,594 76
Jairus Mann, disbursements . . . . .	57 95
J. H. Thompson, use of brake . . . . .	30 00
	<hr/>
	\$53,724 49
Excess and Deficiency, balance to credit of account . . . . .	267 03
	<hr/>
	\$53,991 52

**Sundry Persons.**

## CREDIT.

Balance from 1899 . . . . .		\$29,396 10
Water Loan Interest, coupons not paid . . . . .		2,015 00
Interest, coupons not paid . . . . .		21,885 00
		<hr/>
		\$53,296 10

## DEBIT.

Cash, paid Edward F. Staples, on account of contract for schoolhouse in ward one . . . . .	\$4,000 00	
Sundry persons, amounts due them . . . . .	23,710 00	
	<hr/>	
	\$27,710 00	
Balance to credit of account, 1901 . . . . .	25,586 10	
	<hr/>	
		\$53,296 10

**Support of Poor, Almshouse.**

## CREDIT.

Balance from 1899 . . . . .		\$6,000 75
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## DEBIT.

Cash, paid City of Somerville, sewer assess- ment . . . . .	\$268 50	
Balance to credit of account, 1901 . . . . .	5,732 25	
	<hr/>	
		\$6,000 75

**Support of Poor, City Home.**

## CREDIT.

Appropriations, amount assessed . . . . .		\$4,000 00
Interest account, amount transferred . . . . .		1,000 00
Cash, received of John Wolff, Jr., vegetables	\$268 16	
H. E. Merrill, vegetables . . . . .	50	
North Packing & Provision Co., produce	4 50	
Sundry persons, produce . . . . .	5 35	
Matthew Colquhoun, board . . . . .	49 60	
Highways, Maintenance account, horse . . . . .	125 00	
	<hr/>	
		453 11
		<hr/>
		\$5,453 11
Excess and Deficiency, balance to debit of account . . . . .		75 72
		<hr/>
		\$5,528 83

## DEBIT.

Cash, paid Mr. and Mrs. J. Foster Col- quhoun, services as warden and matron . . . . .	\$600 00	
J. Foster Colquhoun, disbursements . . . . .	76 78	
James Mulcahey, services . . . . .	173 39	
	<hr/>	
Amounts carried forward . . . . .	\$850 17	\$5,528 83

Amounts brought forward . . . . .	\$850 17	\$5,528 83
Annie Haggerty, services . . . . .	130 26	
Georgiana Blair, services . . . . .	61 70	
Annie Scanlan, services . . . . .	34 71	
Sarah Doherty, services . . . . .	43 86	
Mary Maguire, services . . . . .	18 00	
Angus McLane, services . . . . .	18 06	
Lizzie White, services . . . . .	6 00	
Jennie Dutton, services . . . . .	3 27	
Margaret McCarthy, services . . . . .	3 86	
C. C. Folsom, disbursements . . . . .	108 94	
E. B. West, disbursements . . . . .	8 77	
E. B. West, horse . . . . .	125 00	
J. S. Newcomb & Co., groceries . . . . .	237 56	
Medford-street Market, groceries . . . . .	172 26	
Hyde & Southworth, groceries . . . . .	147 89	
Excelsior Creamery, groceries . . . . .	100 52	
Newcomb & Paine, groceries . . . . .	82 39	
F. J. Hopkins, groceries . . . . .	60 81	
Ar-Showe & Co., groceries . . . . .	54 81	
H. F. Sander, groceries . . . . .	42 89	
Ann Kelley, groceries . . . . .	34 36	
Russell & Co., groceries . . . . .	17 32	
J. F. Clark & Co., groceries . . . . .	16 48	
E. S. Conant & Co., groceries . . . . .	7 60	
Standard Chemical Co., groceries . . . . .	7 35	
James Bartley, groceries . . . . .	13 63	
National Biscuit Co., groceries . . . . .	5 98	
George W. Kimball Co., groceries . . . . .	11 95	
Charles B. Osgood & Co., groceries . . . . .	7 67	
John Wolff, Jr., & Co., groceries . . . . .	12 80	
S. M. Lawrence, milk . . . . .	105 60	
I. C. Earle & Sons, boots and shoes . . . . .	44 95	
H. A. Skidmore, clothing . . . . .	29 74	
Miner, Beal, & Co., clothing . . . . .	17 75	
Brown, Durell, & Co., clothing . . . . .	11 38	
Lamson & Hubbard, caps . . . . .	3 90	
Robert Macdonald, lumber . . . . .	196 50	
E. D. Sawyer & Co., lumber . . . . .	179 05	
F. C. Ayer, lumber . . . . .	27 73	
J. H. Keenan, lumber . . . . .	6 08	
M. F. D'Arcey & Co., windows . . . . .	2 00	
Charles W. Badger, paint . . . . .	27 75	
W. E. Plumer & Co., hardware . . . . .	84 51	
Howe & Flint, hardware . . . . .	15 40	
E. S. Sparrow & Co., hardware . . . . .	29 22	
Broad Gauge Iron Works, manglers . . . . .	18 50	
Jordan, Marsh, & Co., kitchen utensils . . . . .	46 04	
Smith, Hawes, & Co., kitchen utensils . . . . .	1 62	
F. D. Weld, ladder and chairs . . . . .	13 80	
J. A. Bremner & Co., frames . . . . .	1 20	
Herbert Wood, filing saws . . . . .	1 00	
A. G. Nichols, filing saws . . . . .	1 20	
Magee Furnace Co., repairs . . . . .	1 20	
Joseph Breck & Sons, farm supplies . . . . .	591 46	
Jackson & Newton, farm supplies . . . . .	419 75	
W. W. Rawson, plants . . . . .	6 00	
M. Ernest Moore, pigs . . . . .	20 00	
Amounts carried forward . . . . .	\$4,350 20	\$5,528 83

Amounts brought forward . . . . .	\$4,350 20	\$5,528 83
John H. Merrill, cow . . . . .	35 60	
H. S. Pond, collecting offal . . . . .	5 94	
R. M. Sturtevant & Co., horses . . . . .	300 00	
Isburgh & Co., wagon . . . . .	90 00	
Joseph A. Pearson, harness, etc. . . . .	106 80	
John B. Rufer, horse clipping . . . . .	10 75	
Ira L. Roberts, horseshoeing . . . . .	20 75	
Fulton O'Brion, hay and grain . . . . .	95 48	
Highland Coal Co., lime . . . . .	27 35	
C. W. Lerner & Co., disinfectant . . . . .	5 00	
Reuben Ring & Co., medicine . . . . .	41 00	
Charles S. Lombard, medicine . . . . .	38 17	
C. H. Goldthwaite & Co., medicine . . . . .	10 28	
Electric Gas Lighting Co., electric supplies . . . . .	39 97	
S. & R. J. Lombard, granite posts . . . . .	7 50	
Thomas Groom & Co., stationery . . . . .	6 30	
Somerville Journal Co., printing . . . . .	5 25	
Gilman Express Co., expressing . . . . .	26 32	
A. G. Renner, expressing . . . . .	50	
Glines & Co., expressing . . . . .	15	
Bancroft's Express, expressing . . . . .	45	
New England Telephone & Telegraph Co., rentals and tolls . . . . .	76 09	
Cambridge Ice Co., ice . . . . .	132 42	
Sewers, Maintenance account, cement . . . . .	2 70	
Water Maintenance, service . . . . .	93 86	
		<u>\$5,528 83</u>

**Support of Poor, Miscellaneous.**

## CREDIT.

Appropriations, amount assessed . . . . .		\$16,200 00
Interest account, amount transferred . . . . .		3,000 00
Cash, received for support of paupers:—		
Of State of Massachusetts . . . . .	\$1,885 63	
Of City of Boston . . . . .	865 13	
Of City of Cambridge . . . . .	772 67	
Of City of Chelsea . . . . .	55 64	
Of City of Chicopee . . . . .	38 58	
Of City of Gloucester . . . . .	45 13	
Of City of Haverhill . . . . .	11 25	
Of City of Lowell . . . . .	129 00	
Of City of Lynn . . . . .	62 46	
Of City of Malden . . . . .	155 04	
Of City of Marlboro . . . . .	45 40	
Of City of Medford . . . . .	4 50	
Of City of Melrose . . . . .	14 86	
Of City of Newburyport . . . . .	44 86	
Of City of North Adams . . . . .	5 65	
Of City of Woburn . . . . .	99 74	
Of Town of Canton . . . . .	3 15	
Of Town of Hardwick . . . . .	26 00	
Of Town of Lexington . . . . .	1 50	
Of Town of North Andover . . . . .	48 00	
Amounts carried forward . . . . .	\$4,314 19	\$19,200 00

Amounts brought forward . . . . .	\$4,314 19	\$19,200 00
Of Town of Plymouth . . . . .	23 56	
Of Town of Provincetown . . . . .	28 14	
Of Town of Sandwich . . . . .	6 95	
Of Town of Stoughton . . . . .	25 72	
Of Town of Watertown . . . . .	9 35	
Of Town of Wilmington . . . . .	5 50	
Of Town of Winchester . . . . .	7 00	
Mrs. Ritchie McG. Taylor, aid furnished	176 89	
Charles I. Davis, aid furnished . . . . .	146 00	
Albert Gilman, aid furnished . . . . .	143 64	
Calvin S. Page, aid furnished . . . . .	79 39	
Newman S. Wax, aid furnished . . . . .	61 28	
C. M. Brown, aid furnished . . . . .	43 00	
Squire E. Putney, aid furnished . . . . .	39 18	
Frederick A. P. Fiske, guardian, aid furnished	32 66	
Elizabeth E. Remington, money not called for . . . . .	4 29	
	<hr/>	5,146 74
		<hr/>
		\$24,346 74

## DEBIT.

Cash, paid Commonwealth of Massachusetts, support of paupers . . . . .	\$1,576 13	
Worcester Insane Hospital . . . . .	3,783 68	
Medfield Insane Asylum . . . . .	1,763 04	
Danvers Insane Hospital . . . . .	1,130 55	
Westboro Insane Hospital . . . . .	998 19	
Worcester Insane Asylum . . . . .	847 31	
Taunton Insane Hospital . . . . .	296 21	
Boston Insane Hospital . . . . .	169 46	
Massachusetts Hospital for Dipso- maniacs . . . . .	585 89	
Massachusetts School for Feeble-Minded	536 21	
Massachusetts Hospital for Epileptics . . . . .	42 71	
Hospital Cottage for Children . . . . .	84 50	
City of Boston . . . . .	721 05	
City of Cambridge . . . . .	61 47	
City of Chelsea . . . . .	9 50	
City of Everett . . . . .	1 50	
City of Medford . . . . .	2 59	
City of Melrose . . . . .	45 00	
City of Worcester . . . . .	47 00	
Town of Attleboro . . . . .	104 00	
Town of Danvers . . . . .	88 00	
Town of Milford . . . . .	17 00	
Town of Revere . . . . .	206 50	
Town of Swampscott . . . . .	26 00	
Ellen Mahoney, rent . . . . .	84 00	
Emily M. Higgins, board . . . . .	18 01	
Mary Budreau, board . . . . .	52 17	
Mabel Christie, board . . . . .	75 17	
Lottie Reading, board . . . . .	52 17	
A. T. O'Neil, board . . . . .	25 45	
Adelaide Pendexter, board . . . . .	100 00	
Clara Roberts, board . . . . .	169 46	
Amounts carried forward . . . . .	<hr/>	<hr/>
	\$13,719 92	\$24,346 74

Amounts brought forward . . . . .	\$13,719 92	\$24,346 74
Kurn Hattin Homes, board . . . . .	200 00	
Emma E. Perkins, cash allowance . . . . .	60 00	
May A. Hayden, nursing . . . . .	30 00	
Edna Phaelon, nursing . . . . .	19 85	
Annie O'Brien, nursing . . . . .	6 00	
C. C. Folsom, salary as agent . . . . .	1,525 00	
disbursements . . . . .	389 09	
A. R. Perry, salary as city physician . . . . .	1,200 00	
surgical assistance . . . . .	15 00	
C. F. Lewis, salary as secretary . . . . .	600 00	
Una M. Colquhoun, services . . . . .	53 14	
Daniel Goodenow, professional services . . . . .	10 00	
Milton H. Plummer, medicine . . . . .	248 32	
C. H. Goldthwaite & Co., medicine . . . . .	138 61	
Howard Hamblen, medicine . . . . .	60 36	
Charles S. Lombard, medicine . . . . .	27 92	
Henry D. Padelford, medicine . . . . .	20 63	
R. G. Perkins, medicine . . . . .	16 60	
E. F. Chaffee, medicine . . . . .	9 10	
T. H. Fenelon, medicine . . . . .	6 55	
J. Arthur Bean, medicine . . . . .	5 75	
Frederick W. Gay, medicine . . . . .	3 50	
Henry K. Wampole & Co., medicine . . . . .	2 70	
Marshall Street Pharmacy, medicine . . . . .	1 60	
G. W. Mathewson, medicine . . . . .	1 05	
F. W. Robie, medicine . . . . .	24 15	
Est. T. H. Fenelon, medicine . . . . .	23 00	
Arthur B. Grover, medicine . . . . .	9 45	
Herbert E. Bowman, medicine . . . . .	9 32	
F. E. Whitman, medicine . . . . .	8 55	
Theodore Metcalf Co., medicine . . . . .	7 27	
L. H. Buzzell, medicine . . . . .	6 95	
Alameda Co., medicine . . . . .	5 20	
C. H. Crane, medicine . . . . .	7 00	
John F. Thompson, medicine . . . . .	3 70	
George E. Grover, medicine . . . . .	2 85	
J. Frank Gear, medicine . . . . .	2 38	
McHesson & Robbins, medicine . . . . .	63	
R. M. Sturtevant & Co., groceries . . . . .	738 30	
William S. Ward, groceries . . . . .	518 35	
Medford Street Market, groceries . . . . .	465 25	
A. F. Carpenter, groceries . . . . .	373 57	
James H. Maguire, groceries . . . . .	336 00	
James Bartley, groceries . . . . .	261 00	
Sawyer & Read, groceries . . . . .	201 34	
A. E. Robie, groceries . . . . .	188 50	
Charles F. Giles, groceries . . . . .	147 00	
Charles S. Butters, groceries . . . . .	124 00	
W. P. Blanchard, groceries . . . . .	116 11	
F. E. Cheney & Co., groceries . . . . .	103 25	
F. L. Card, groceries . . . . .	82 00	
D. E. Watson, groceries . . . . .	83 25	
W. H. Bullard, groceries . . . . .	62 50	
C. N. Brown & Co., groceries . . . . .	58 60	
Emerson R. Christopher, groceries . . . . .	50 00	
C. L. Stevens, groceries . . . . .	16 50	
Farnam Brothers, groceries . . . . .	12 50	
Amounts carried forward . . . . .	\$22,419 16	\$24,346 74

Amounts brought forward . . . . .	\$22,419 16	\$24,346 74
M. S. Canavan, groceries . . . . .	11 50	
Christopher Brothers, groceries . . . . .	8 00	
L. Stockbridge, groceries . . . . .	6 18	
Duncan McKay, groceries . . . . .	6 00	
N. R. Barrows, groceries . . . . .	4 00	
Frank H. Turner & Co., groceries . . . . .	1 10	
J. H. Brooks, dry goods . . . . .	18 00	
F. W. Gilbert, boots and shoes . . . . .	60 60	
Philip Eberle, boots and shoes . . . . .	40 55	
E. O. Arnold & Co., cleaning carpets . . . . .	5 34	
Herbert Wood, repairing locks . . . . .	1 75	
E. S. Sparrow & Co., hardware . . . . .	32	
Somerville Journal Co., printing . . . . .	41 25	
Thomas Groom & Co., stationery . . . . .	3 55	
Smith Premier Typewriter Co., ribbon . . . . .	75	
F. S. Blanchard & Co., book . . . . .	3 00	
Aaron R. Gay & Co., books . . . . .	32 50	
P. H. Rafferty, services as undertaker . . . . .	50 00	
C. H. Lockhart, services as undertaker . . . . .	35 00	
Alfred E. Mann, services as undertaker . . . . .	30 00	
William A. Flaherty, services as under- taker . . . . .	20 00	
W. A. Flaherty & Son, services as under- takers . . . . .	25 00	
G. F. McKenna, services as undertaker . . . . .	20 00	
E. H. Marsh & Son, services as under- takers . . . . .	15 00	
Wellington Wild Coal Co., fuel . . . . .	669 75	
J. A. Marsh, fuel . . . . .	6 25	
Fresh Pond Ice Co., ice . . . . .	4 80	
New England Telephone & Telegraph Co., rentals and tolls . . . . .	126 67	
A. M. Prescott, teaming . . . . .	18 85	
Caldwell & Co., teaming . . . . .	2 00	
M. G. Staples, teaming . . . . .	1 25	
Howard Lowell & Son, carriage hire . . . . .	9 50	
	<hr/>	
	\$23,697 62	
Excess and Deficiency, balance to credit of account . . . . .	649 12	
	<hr/>	
		\$24,346 74

**Taxes.**

## CREDIT.

Cash, received for taxes of 1890 . . . . .	\$2 00	
“ “ “ “ 1891 . . . . .	14 60	
“ “ “ “ 1892 . . . . .	30 00	
“ “ “ “ 1893 . . . . .	40 65	
“ “ “ “ 1894 . . . . .	70 99	
“ “ “ “ 1895 . . . . .	139 86	
“ “ “ “ 1896 . . . . .	245 64	
“ “ “ “ 1897 . . . . .	500 18	
“ “ “ “ 1898 . . . . .	67,604 63	
“ “ “ “ 1899 . . . . .	173,237 40	
“ “ “ “ 1900 . . . . .	643,194 09	
	<hr/>	
		\$885,080 04
Amount carried forward . . . . .		\$885,080 04



Amount brought forward . . . . .		\$885,080 04
Overlay and abatement:—		
Abatements on taxes of 1889 . . . . .	\$46 60	
“ “ “ “ 1890 . . . . .	51 20	
“ “ “ “ 1891 . . . . .	42 80	
“ “ “ “ 1892 . . . . .	208 50	
“ “ “ “ 1893 . . . . .	6,266 60	
“ “ “ “ 1894 . . . . .	5,934 81	
“ “ “ “ 1895 . . . . .	12 00	
“ “ “ “ 1896 . . . . .	20 00	
“ “ “ “ 1897 . . . . .	28 00	
“ “ “ “ 1898 . . . . .	271 33	
“ “ “ “ 1899 . . . . .	960 24	
“ “ “ “ 1900 . . . . .	4,898 96	
	<hr/>	18,741 04
Balance to debit of account, 1901:—		
Being uncollected taxes of 1890 . . . . .	\$7,163 00	
“ “ “ “ 1892 . . . . .	8 00	
“ “ “ “ 1893 . . . . .	158 75	
“ “ “ “ 1894 . . . . .	427 10	
“ “ “ “ 1895 . . . . .	6,882 58	
“ “ “ “ 1896 . . . . .	8,244 96	
“ “ “ “ 1897 . . . . .	8,505 29	
“ “ “ “ 1898 . . . . .	9,405 90	
“ “ “ “ 1899 . . . . .	91,603 08	
“ “ “ “ 1900 . . . . .	242,330 63	
	<hr/>	374,729 29
		<hr/>
		\$1,278,550 37

DEBIT.

Balance from 1899 . . . . .	\$388,126 21
City Treasurer's account, to correct error . . . . .	48
Appropriations, amount assessed for current expenses . . . . .	722,380 87
State of Massachusetts, amount assessed for state tax . . . . .	27,075 00
State of Massachusetts, amount assessed for payment of Metropolitan Sewer Assessment . . . . .	41,924 34
State of Massachusetts, amount assessed for payment of national bank tax . . . . .	1,036 80
County of Middlesex, amount assessed for County tax . . . . .	48,311 73
Street Watering, amount assessed for payment of a proportionate part of costs of watering streets for 1900 . . . . .	14,968 88
Overlay and Abatement, amount added by the assessors, including additional warrants . . . . .	34,726 06
	<hr/>
	\$1,278,550 37
	<hr/>

Temporary Loans.

CREDIT.

Balance from 1899 . . . . .	\$310,000 00
Amount carried forward . . . . .	<hr/>
	\$310,000 00

Amount brought forward . . . . .		\$310,000 00
Cash, borrowed by authority of the Board of Aldermen on notes as follows:—		
The Warren Institution for Savings, six months, 3 1-2 per cent. . . . .	\$100,000 00	
Rogers, Newman, & Tolman, six months, 3.32 per cent. . . . .	50,000 00	
Rogers, Newman, & Tolman, six months, 3.32 per cent. . . . .	50,000 00	
Boston Five Cents Savings Bank, four months, 3.10 per cent. . . . .	50,000 00	
Blake Bros. & Co., six months, 2.85 per cent. . . . .	25,000 00	
Blake Bros. & Co., six months, 2.85 per cent. . . . .	25,000 00	
Blake Bros. & Co., six months, 2.85 per cent. . . . .	50,000 00	
Warren Institution for Savings, six months, 3½ per cent. . . . .	100,000 00	
Rogers, Newman, & Tolman, five months, eleven days, 3.45 per cent. . . . .	50,000 00	
Rogers, Newman, & Tolman, five months, nineteen days, 3.45 per cent. . . . .	50,000 00	
Boston Five Cents Savings Bank, four months, 4 per cent. . . . .	50,000 00	
Boston Five Cents Savings Bank, five months, 4 per cent. . . . .	50,000 00	
Boston Five Cents Savings Bank, six months, 4 per cent. . . . .	50,000 00	
Rogers, Newman, & Tolman, two months, twelve days, 3.18 per cent. . . . .	100,000 00	
	<hr/>	800,000 00
		<hr/>
		\$1,110,000 00

DEBIT.

Cash, paid as follows:—		
Commonwealth of Massachusetts, four months, 4.10 per cent. . . . .	\$100,000 00	
Boston Five Cents Savings Bank, six months, 4.2 per cent. . . . .	100,000 00	
Boston Five Cents Savings Bank, six months, 4¼ per cent. . . . .	100,000 00	
Warren Institution for Savings, six months, 3½ per cent. . . . .	100,000 00	
Boston Five Cents Savings Bank, four months, 3.10 per cent. . . . .	50,000 00	
Rogers, Newman, & Tolman, two months, twelve days, 3.18 per cent. . . . .	100,000 00	
Rogers, Newman, & Tolman, six months, 3.32 per cent. . . . .	50,000 00	
Rogers, Newman, & Tolman, six months, 3.32 per cent. . . . .	50,000 00	
Blake Bros. & Co., six months, 2.85 per cent. . . . .	25,000 00	
Blake Bros. & Co., six months, 2.85 per cent. . . . .	25,000 00	
Amounts carried forward . . . . .	<hr/>	<hr/>
	\$700,000 00	\$1,110,000 00

Amounts brought forward . . . . .	\$700,000 00	\$1,110,000 00
Blake Bros. & Co., six months, 2.85 per cent. . . . .	50,000 00	
S. Z. Bowman, one year, two months, twenty-four days, 4.2 per cent. . . . .	10,000 00	
	<u>\$760,000 00</u>	
Balance to credit of account, 1901 . . . . .	350,000 00	\$1,110,000 00
		<u><u>\$1,110,000 00</u></u>

**Water Loan Interest.**

CREDIT.

Water Works Income, amount appropriated . . . . .		\$9,502 50
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DEBIT.

Cash, paid on Water Loan debt:—		
\$133,000, one year, at 4 per cent. . . . .	\$5,320 00	
\$82,000, one year, at 4 per cent. . . . .	3,280 00	
\$2,000, six months, at 4 per cent. . . . .	40 00	
\$10,000, one year, at 5½ per cent. . . . .	550 00	
\$12,500, six months, at 5 per cent. . . . .	312 50	
	<u>          </u>	\$9,502 50
		<u><u>          </u></u>

**Water Maintenance.**

CREDIT.

Water Works Income, amount appropriated . . . . .		\$45,000 00
Water Services, amount transferred . . . . .		27 11
Cash, received of sundry persons, sealing fixtures . . . . .	\$57 00	
Water Service account, stock . . . . .	2,500 96	
Water Works Extension, stock . . . . .	14,530 35	
Highways, Watering Streets, repairs . . . . .	322 71	
Support of Poor, City Home, labor, etc. . . . .	93 86	
Public Grounds, laying pipe . . . . .	67 57	
Public Buildings Maintenance, Water Department, lighting . . . . .	54 16	
Sewers Maintenance, fittings . . . . .	41 60	
Water Works, Abatements on Water Charges, abatements . . . . .	40 00	
Highways Maintenance, materials . . . . .	12 57	
Metropolitan Water Board, operating expenses . . . . .	3,531 32	
N. E. Vehicle Trans. Co., repairs hydrant . . . . .	9 40	
David F. Hunt, et als., deficiency in revenue . . . . .	11 00	
Trustees Tufts College, connections, etc., Henry W. Dow, manure . . . . .	172 80	
Teele & Foster Lumber Co., repairing pipes . . . . .	17 64	
W. P. Rice, extending pipe . . . . .	8 75	
George D. Haven, extending service . . . . .	36 23	
Willard Glidden, extending service . . . . .	22 77	
	<u>          </u>	
Amounts carried forward . . . . .	\$21,540 69	\$45,027 11
		<u><u>          </u></u>

Amounts brought forward . . . . .	\$21,540 69	\$45,027 11
Charles Drouet, extending service pipe	17 80	
Boston & Maine Railroad, fitting water tank . . . . .	1 50	
H. A. Hanscom & Co., labor . . . . .	53 75	
William H. Wood, labor . . . . .	3 45	
Boston Burial Case Co., repairs . . . . .	1 03	
Boston Elevated Railway Co., labor . . . . .	79 64	
Osgood & Hart, old iron . . . . .	384 20	
Boston Rubber Shoe Co., castings . . . . .	13 60	
William H. Hills, inspecting plumbing . . . . .	1 75	
Coughlan & Ryan, labor . . . . .	17 55	
The Pattison Co., setting meter . . . . .	11 15	
John Medina, pumping cistern . . . . .	1 50	
Mr. Ricker, iron pipe . . . . .	32 15	
Assignees John P. Squire & Co., pipe . . . . .	615 75	
Thomas Casey, pipe . . . . .	4 40	
Holbrook, Cabot, & Daly, pipe . . . . .	205 44	
Robert B. Hudson, fittings . . . . .	1 25	
Otto Olson, fittings . . . . .	1 50	
S. J. Kelley, fittings . . . . .	4 00	
N. E. Dressed Meat & Wool Co., fittings . . . . .	1 50	
Vernon H. Worcester, fittings . . . . .	1 75	
Charles Pierce, fittings . . . . .	1 00	
Middlesex Bleachery Dye & Print Works, fittings . . . . .	228 82	
Gilman D. Colburn, fittings . . . . .	3 25	
Braman, Dow, & Co., fittings . . . . .	10 35	
Hiram Allen, fittings . . . . .	1 00	
James F. Davlin, fittings . . . . .	1 50	
John Welch, fittings . . . . .	1 50	
Margaret Gordon, fittings . . . . .	2 53	
E. H. Bennett, fittings . . . . .	1 91	
Arlington Water Works, fitting . . . . .	16 74	
I. N. Randlet, fittings . . . . .	2 00	
Pierce & Cox, fittings . . . . .	20 80	
Charles G. Craib, labor . . . . .	27 75	
Sundry Persons, costs on water rates . . . . .	86 00	
		23,400 50
		<u>\$68,427 61</u>

## DEBIT.

Cash, paid laborers . . . . .	\$24,018 89	
Frank E. Merrill, salary as water commissioner . . . . .	2,300 00	
disbursements . . . . .	178 18	
Florence E. Barton, first assistant clerk to commissioner . . . . .	780 00	
V. Florence Walker, second assistant clerk to commissioner . . . . .	600 00	
Edward M. Shedd, inspector . . . . .	1,200 00	
S. E. Hayden, engineer . . . . .	916 68	
disbursements . . . . .	4 38	
G. W. Ladd & Co., hay . . . . .	375 18	
Fulton O'Brion, hay . . . . .	193 82	
Nathan Tufts & Sons, grain . . . . .	128 35	
J. F. Emerson, salt hay . . . . .	8 00	
Amounts carried forward . . . . .	\$30,703 48	<u>\$68,427 61</u>

Amounts brought forward . . . . .	\$30,703 48	\$68,427 61
I. B. Walker, horseshoeing . . . . .	95 36	
Edward O'Brien, horseshoeing . . . . .	28 38	
John B. Rufer, horseshoeing . . . . .	11 45	
F. E. Flaherty & Co., horseshoeing . . . . .	1 50	
M. E. Crouse, horseshoeing . . . . .	2 75	
E. Spalding, harness work . . . . .	71 05	
D. J. Bennett, harness work . . . . .	40	
Hale & Mayhew Co., repairing wagons . . . . .	110 15	
F. Ivers & Son, repairing wagons . . . . .	1 50	
Charles E. Berry, labor . . . . .	1 25	
Charles R. Simpson, veterinary services . . . . .	3 50	
Elias Lathrop, ointment . . . . .	4 00	
Russell & Co., oatmeal . . . . .	5 25	
W. A. Snow & Co., salt . . . . .	4 80	
C. H. Paine, horse medicine . . . . .	2 00	
Miller & Shaw, blacksmithing . . . . .	16 64	
Houghton & Dutton, horse . . . . .	135 00	
Frank W. Leavitt, wagon . . . . .	100 00	
S. W. Fuller, lumber . . . . .	89 66	
Teele & Foster Lumber Co., lumber . . . . .	61 35	
W. L. Snow, hardware . . . . .	39 21	
Howe & Flint, hardware . . . . .	51 50	
W. E. Plumer & Co., hardware and tools . . . . .	246 98	
Underhill Hardware Co., tools . . . . .	83 28	
Charles L. Underhill, tools . . . . .	47 00	
Perrin, Seamans, & Co., tools . . . . .	50 29	
A. J. Wilkinson & Co., tools . . . . .	48 81	
Ames Plow Co., tools . . . . .	16 85	
Wellman Sole Cutting Machine Co., re- pairing tools . . . . .	1 25	
Walworth Mfg. Co., repairing tools . . . . .	142 44	
F. Dooris, repairing tools . . . . .	257 12	
Herbert Wood, repairing tools . . . . .	2 60	
Alden E. Viles, plumbing . . . . .	1 30	
Osgood & Hart, castings . . . . .	1,095 50	
Builders' Iron Foundry, castings . . . . .	1,622 64	
Davis & Farnum Mfg. Co., castings . . . . .	266 22	
R. D. Wood & Co., pipe . . . . .	13,372 15	
U. S. Cast Iron Pipe & Foundry Co., pipe . . . . .	5,231 93	
Boston Lead Mfg. Co., pipe . . . . .	450 93	
Lead Lined Iron Pipe Co., pipe . . . . .	715 75	
George D. Goodrich & Co., drain pipe . . . . .	14 93	
Neptune Meter Co., meter gears . . . . .	8 78	
Henry C. Hunt & Co., leather pieces . . . . .	27 50	
James H. Roberts & Co., belt lace . . . . .	75	
Richards & Co, lead . . . . .	863 93	
Braman, Dow, & Co., fittings . . . . .	960 55	
Union Water Meter Co., fittings . . . . .	545 60	
Sumner & Goodwin Co., fittings . . . . .	441 54	
Norwood Engineering Co., fittings . . . . .	62 49	
Edgar Hall, fittings . . . . .	21 06	
I. G. Marston & Co., fittings . . . . .	14 40	
Pettingell-Andrews Co., fittings . . . . .	3 28	
Hersey Mfg. Co., fittings . . . . .	3 07	
William P. Clark, service stock . . . . .	9 60	
New England Oil Co., oil . . . . .	68 38	
Amounts carried forward . . . . .	\$58,239 08	\$68,427 61

Amounts brought forward . . . . .	\$58,239 08	\$68,427 61
I. H. Wiley & Co., oil . . . . .	35 53	
William F. Low, oil . . . . .	19 52	
Yerxa's Boston Branch, oil . . . . .	91	
Globe Gas Light Co., gasoline . . . . .	13 10	
American Powder Mills, dynamite . . . . .	24 50	
George H. Sampson, plats . . . . .	3 38	
Gould & Cutler, varnish . . . . .	3 25	
F. W. Gilbert, rubber boots . . . . .	20 25	
Alfred Hale & Co., rubber gloves . . . . .	2 50	
A. M. Wood Co., band iron, etc. . . . .	12 38	
M. D. Jones & Co., sprinklers . . . . .	4 62	
Chapman Valve Mfg. Co., repairing hydrants . . . . .	72 61	
John P. Wahlstrom & Son, painting . . . . .	3 50	
Boston Steam Pump Repair & Supply Co., repairing pump . . . . .	19 18	
Harrington, King, & Co., packing . . . . .	7 57	
W. A. Morrison, packing . . . . .	7 36	
William R. Maxwell, bricks . . . . .	75 35	
Crosby Steam Gage & Valve Co., charts . . . . .	8 50	
Andrew J. Lloyd & Co., instruments . . . . .	31 00	
Rensselaer Manufacturing Co., valves . . . . .	1,286 25	
Coffin Valve Co., valves . . . . .	200 90	
The Fairbanks Co., valves . . . . .	76 95	
Boston Woven Hose & Rubber Co., gaskets . . . . .	25 16	
Cornelius Callahan Co., repairing hose . . . . .	1 00	
A. P. Simpson, loam . . . . .	10 00	
M. A. Simpson, sand . . . . .	22 50	
T. Allen, concreting . . . . .	12 00	
J. W. Howard, plants . . . . .	82 64	
P. Lacey, mason work . . . . .	15 00	
Simpson Bros. Corporation, stone work . . . . .	649 48	
Mitchell Mfg. Co., badges . . . . .	4 80	
Charles F. Merrill, sign boards . . . . .	10 25	
Thomas Groom & Co., books . . . . .	210 12	
F. S. Blanchard & Co., book . . . . .	3 00	
William G. Johnston & Co., order holder . . . . .	6 00	
Somerville Journal Co., printing . . . . .	111 15	
The Citizen Co., printing . . . . .	91 00	
"Fire & Water," advertising . . . . .	33 00	
Tradesman Publishing Co., advertising . . . . .	28 00	
Manufacturers' Record Pub. Co., adver- tising . . . . .	25 00	
Engineering News Pub. Co., advertis- ing and subscription . . . . .	29 00	
Municipal Engineering Co., subscrip- tion . . . . .	2 00	
E. C. Hartshorn, photographs . . . . .	21 25	
T. S. Buck, stamp . . . . .	90	
Irving W. Wheeler & Co., flag . . . . .	7 88	
Fresh Pond Ice Co., ice . . . . .	102 70	
Cambridge Ice Co., ice . . . . .	46 90	
Wellington-Wild Coal Co., fuel . . . . .	1,893 75	
Highland Coal Co., cement . . . . .	72 68	
Frank A. Teele, wood . . . . .	25 40	
Amounts carried forward . . . . .	\$63,710 75	\$68,427 61

Amounts brought forward . . . . .	\$63,710 75	\$68,427 61
Charles Booth, wood . . . . .	24 00	
Somerville Electric Light Co., lighting . . . . .	125 02	
New England Telephone & Telegraph Co., rentals and tolls . . . . .	248 17	
Boston & Maine railroad, freight . . . . .	262 30	
Gilman Express Co., expressing . . . . .	3 16	
E. R. Perham, expressing . . . . .	1 70	
G. H. Towle, expressing . . . . .	80	
Glines & Co., expressing . . . . .	50	
Boston Elevated Railway Co., tickets . . . . .	70 00	
J. F. Elkins, teaming . . . . .	149 25	
City of Somerville, water . . . . .	46 44	
Highways Maintenance, crushed stone . . . . .	77 50	
	<hr/>	
	\$64,719 59	
Water Works Extension, amount transferred . . . . .	3,000 00	
	<hr/>	
	\$67,719 59	
Excess and Deficiency, balance to credit of account . . . . .	708 02	
	<hr/>	
		\$68,427 61
		<hr/> <hr/>

**Water Service Assessments.**

CREDIT.

Cash, received of sundry persons, water services . . . . .		\$4,315 06
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DEBIT.

Water Services, pipes laid in 1900 . . . . .	\$4,287 95	
Balance transferred . . . . .	27 11	
	<hr/>	
		\$4,315 06
		<hr/> <hr/>

**Water Services.**

CREDIT.

Water Service Assessments, cost of services laid . . . . .		\$4,287 95
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DEBIT.

Cash, paid laborers . . . . .	\$1,786 99	
Water Maintenance account, stock and teaming . . . . .	2,500 96	
	<hr/>	
		\$4,287 95
		<hr/> <hr/>

**Water Works, Abatements on Water Charges.**

CREDIT.

Water Works Income, amount appropriated . . . . .		\$1,000 00
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DEBIT.

Cash, paid sundry persons, money refunded . . . . .	\$430 42	
Water Works Income, balance of appropriation returned . . . . .	569 58	
	<hr/>	
		\$1,000 00
		<hr/> <hr/>

**Water Works Extension.**

## CREDIT.

Water Works Income, amount appropriated . . . . .	\$20,000 00
Water Works Income, amount transferred . . . . .	2,000 00
Water Maintenance, amount transferred . . . . .	3,000 00
Cash, received of Highways, Watering Streets, water post.	55 20
	<hr/>
	\$25,055 20

## DEBIT.

Cash, paid laborers . . . . .	\$9,802 66
Hersey Mfg. Co., meter and connections . . . . .	395 00
Rensselaer Mfg. Co., hydrant . . . . .	29 00
A. P. Smith Mfg. Co., plug . . . . .	1 00
James H. Roberts & Co., machinery and belting . . . . .	77 28
Pratt & Whitney Co., shaft . . . . .	3 50
A. J. Wilkinson & Co., tools, etc. . . . .	22 44
William H. Fields, tools . . . . .	12 00
I. H. Brown Moulding Co., lumber . . . . .	2 61
M. A. Simpson, sand . . . . .	50
Boston & Maine Railroad, labor . . . . .	20 02
Metropolitan Water Board, water pipe . . . . .	30 70
Water Maintenance account, stock . . . . .	14,530 35
	<hr/>
	\$24,927 06
Excess and Deficiency, balance to credit of account . . . . .	128 14
	<hr/>
	\$25,055 20

**Water Works Income.**

## CREDIT.

Metered Water Charges, water bills uncollected . . . . .	\$13,599 10
Sewers Maintenance account, amount transferred . . . . .	146 16
Water Works, Abatements on Water Charges, balance of appropriation returned . . . . .	569 58
Cash, received of sundry water takers . . . . .	\$209,007 31
State of Massachusetts, Metropolitan Water Assessment, rebate on water receipts . . . . .	45 42
	<hr/>
	209,052 73
	<hr/>
	\$223,367 57

## DEBIT.

Water Maintenance account, amount appro- priated . . . . .	\$45,000 00
Water Loan Interest, amount appropriated . . . . .	9,502 50
Reduction of Funded Debt, Water Loan Bonds, amount appropriated . . . . .	32,500 00
Reduction of Funded Debt, Sewer Loan Bonds, amount appropriated . . . . .	8,000 00
	<hr/>
Amounts carried forward . . . . .	\$95,002 50
	<hr/>
	\$223,367 57



Amounts brought forward . . . . .	\$95,002 50	\$223,367 57
Water Works Extension, amount appropriated . . . . .	20,000 00	
Water Works, Abatements on Water Charges, amount appropriated . . . . .	1,000 00	
Sewers Maintenance, amount appropriated . . . . .	9,000 00	
Sewers Construction, amount appropriated . . . . .	24,151 12	
Interest account, Sewer Loan Bonds, amount appropriated . . . . .	6,240 00	
Water Works Extension, amount transferred . . . . .	2,000 00	
State of Massachusetts, Metropolitan Water Assessment, amount appropriated . . . . .	28,689 24	
Reduction of Funded Debt, amount transferred . . . . .	37,284 71	
		<u>\$223,367 57</u>

TABLE D.—BALANCES DECEMBER 31, 1900.

Cash . . . . .	\$103,858 87	
Highways, Paved Gutters and Crossings . . . . .	8,302 44	
Highways, Boston Avenue Bridge . . . . .	2,292 32	
Highways, Paving Davis Square . . . . .	316 80	
Metered Water Charges . . . . .	13,599 10	
Highway Betterment Assessments . . . . .	931 99	
Public Library . . . . .	8 01	
Public Property . . . . .	2,990,378 92	
Real Estate Liens . . . . .	2,740 09	
Sewer Assessments . . . . .	11,459 83	
Sidewalk Assessments . . . . .	10,941 63	
State of Massachusetts, Soldiers' Burials . . . . .	420 00	
State of Massachusetts, Military Aid . . . . .	341 50	
State of Massachusetts, State Aid . . . . .	11,254 00	
Taxes . . . . .	374,729 29	
Excess and Deficiency . . . . .		\$10,042 98
Fire Department, Fire Station No. 1 . . . . .		297 25
Fire Department, Fire Apparatus for Ladder Two Station . . . . .		2 72
Funded Debt . . . . .		1,478,000 00
Highways, Construction . . . . .		1,123 73
Highways, Maintenance . . . . .		40,402 45
Highways, Paving Cross Street . . . . .		12,000 00
Highways, Paving Washington Street . . . . .		212 46
Overlay and Abatement . . . . .		15,964 11
Overplus on Tax sales . . . . .		868 13
Powder House Boulevard . . . . .		687 78
Property and Debt Balance . . . . .		1,512,378 92
Public Grounds, Land for Park Purposes . . . . .		1,500 00
Public Grounds, Athletic Field in Ward Seven . . . . .		3,000 00
Public Grounds, Athletic Apparatus . . . . .		1,000 00
Public Grounds, Land on Prospect Hill for Park Purposes . . . . .		15,000 00
Public Library Addition . . . . .		133 76
Public Library, Isaac Pitman Fund, Poetry . . . . .		1,000 00
Amounts carried forward . . . . .	<u>\$3,531,574 79</u>	<u>\$3,093,614 29</u>

Amounts brought forward . . . . .	\$3,531,574 79	\$3,093,614 29
Public Library, Isaac Pitman Fund, Art . . . . .		4,000 00
Schoolhouse, O. S. Knapp, Improvements . . . . .		28 52
Schoolhouse, Ward Seven . . . . .		21,995 73
Schoolhouse, Charles G. Pope, Improve- ments . . . . .		101 61
Schoolhouse, Highland, Sanitary . . . . .		21 36
Schoolhouse in Ward Two . . . . .		14,368 91
Sewers Construction . . . . .		15,456 99
Sidewalks Construction . . . . .		669 03
Sundry Persons . . . . .		25,586 10
Support of Poor, Almshouse . . . . .		5,732 25
Temporary Loans . . . . .		350,000 00
	<u>\$3,531,574 79</u>	<u>\$3,531,574 79</u>

### APPROVAL OF TREASURER'S REPORT.

In Committee on Finance, March 25, 1901.

To the Board of Aldermen of Somerville:—

The Committee on Finance, to which was referred the report of the City Treasurer and Collector of Taxes for the year 1900, together with the report of the expert employed to audit the books of said officer for the year 1900, and a communication from His Honor the Mayor, transmitting the expert's report to the Board of Aldermen, reports that the committee has, in conjunction with the City Auditor, made an examination of the books and accounts of the Treasurer and Collector, comparing them with the books of the Auditor, and with the statements received from the several boards and officers of the city, under Section 5 of Chapter 4 of the Revised Ordinances of 1900. The cash balance has been verified by counting the cash in hand.

The Committee recommends that the Treasurer's report be accepted and printed in the Annual Report of 1900, and that this report and the communication from His Honor the Mayor, before referred to, be also printed in connection therewith.

ARTHUR P. VINAL,	}	<i>Committee</i>
WILLIAM H. CUSHMAN,		
JAMES F. REYNOLDS,		
JAMES W. KENNEY,		
RANSOM D. WENTWORTH,		
SAMUEL T. LITTLEFIELD,		
		<i>on</i>
		<i>Finance.</i>

In Board of Aldermen, April 3, 1901. Accepted.

GEORGE I. VINCENT, City Clerk.

MAYOR'S OFFICE, March 20, 1901

To the Honorable the Board of Aldermen:—

Gentlemen: I transmit herewith the report of William Franklin Hall, expert auditor and accountant, upon his recent examination of the City Treasurer's books for the year 1900. It affords me great satisfaction, as I am sure it will every member of your Honorable Board, to learn that all the accounts of the department have been found correct, barring the almost insignificant overplus of one cent.

The result of the examination is practically what was anticipated. There was no presumption whatever upon my part that the Treasurer's

accounts would be found anything but correct, nor was there any general demand by the property owners of the city for an examination of this kind. It was simply for the reason that, at the time of the transfer of the administration of the department, there was no exhaustive audit of the accounts, and owing to the fact that during that part of last year in which Mr. Cole held office his health was so poor as to forbid, for much of the time, his personal attention to the affairs of the office, that it was deemed advisable, as a matter of good business judgment simply, to have an expert examination of the accounts for the year 1900.

Somerville has always been so fortunate in the faithfulness and efficiency of its treasury officials as to obviate any possibility of such a demand. To our first City Treasurer, Aaron Sargent, belongs the credit of laying the foundation of the excellent system of the department. After ten years of arduous labor for the city's well-being, Mr. Sargent was obliged to retire from office on account of failing health, but thanks to rest and good care, he has in recent years recovered his vigor, and is now, retired from the cares of active business, passing his latter years in comparative ease, and enjoying a well-earned leisure.

John F. Cole came to the office with a distinguished financial career, and for nearly twenty years conducted the affairs of the department upon sound business principles, and executed the city's business with rare judgment. His long term stands as an honor and credit to himself and to the city. Mr. Cole's retirement, necessitated by the exhaustion attendant upon long and exacting service, was universally regretted, and an appreciative city hopes for the early and complete restoration of his health and strength, that he may enjoy the high esteem in which he is held.

During the interval between the termination of Mr. Cole's active service and the assumption of the office by the new Treasurer, the work of the department progressed without interruption, under the careful oversight of His Honor Mayor Proctor. The excellent manner in which the work was performed was due, in a very large measure, to the capable management of the first assistant clerk, Miss Beulah M. Peirce, who had received years of careful training under Mr. Cole's administration. The department is now, and has always been, most fortunate in the efficiency and faithfulness of its numerous clerical force.

Treasurer James F. Beard, upon his election last fall, came well equipped to handle the great burden of the finances of our rapidly-growing municipality. His years of experience in banking have reflected credit upon him as a financier, and the few months of his administration have demonstrated his superior fitness for the City Treasurership. I trust it will be many years before he finds the cares unduly wearing upon him.

The Auditor's report contains words of commendation of the department, which, coming from so excellent an authority as Mr. Hall, are very gratifying.

Respectfully,

EDWARD GLINES, Mayor.

## REPORT OF THE SCHOOL COMMITTEE.

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### City of Somerville.

School Committee Rooms, December 31, 1900.

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; and that the Committee on Supplies be authorized to print 1,000 copies for public circulation.

G. A. SOUTHWORTH,  
Secretary of School Board.

## SCHOOL COMMITTEE, 1900.

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JAMES F. BEARD, till August 27, . . . . .	Chairman
S. NEWTON CUTLER, from September 24, . . . . .	Chairman
S. NEWTON CUTLER, till September 24, . . . . .	Vice-Chairman
GEORGE A. MILES, from September 24, . . . . .	Vice-Chairman

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### Members.

	Term expires January.
WARD ONE.	
GEORGE S. POOLE, . . . . . 46 Mt. Vernon street.	1901
S. NEWTON CUTLER, . . . . . 28 Flint street.	1902
WARD TWO.	
EDWARD J. FLYNN, . . . . . 1 Tremont place.	1901
JOHN H. O'NEIL, . . . . . 44 Oak street.	1902
WARD THREE.	
DANA W. BENNETT, . . . . . 41 Putnam street.	1901
JAMES F. BEARD,* . . . . . 17 Prospect Hill avenue.	1902
WARD FOUR.	
WILLIAM P. JONES, . . . . . 13-A Maple avenue.	1901
GEORGE W. W. WHITING, . . . . . 282 Broadway.	1902
WARD FIVE.	
J. WALTER SANBORN, . . . . . 183 Central street.	1901
QUINCY E. DICKERMAN, . . . . . 85 Central street.	1902
WARD SIX.	
MARTIN W. CARR, . . . . . 74 Craigie street.	1901
FREDERICK A. P. FISKE, . . . . . 44 Cherry street.	1902
WARD SEVEN.	
HENRIETTA B. H. ATTWOOD, . . . . . 18 Herbert street.	1901
GEORGE A. MILES, . . . . . 249 Elm street.	1902

### 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.

Eleanor L. Hannay, Superintendent's clerk, Hotel Hamlet.

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\*August 27 Mr. Beard resigned, and September 13 Alvah B. Dearborn was elected to fill the vacancy.

## STANDING COMMITTEES, 1900.

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High Schools.—Cutler, Dearborn, Whiting, Dickerman, Carr, Miles, Flynn.

LATIN, ENGLISH.

District (or Ward) I.—Poole, Cutler.

PRESCOTT, HANSCOM, DAVIS, BENNETT, JACKSON.

District (or Ward) II.—O'Neil, Flynn.

KNAPP, PERRY.

District (or Ward) III.—Dearborn, Bennett.

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.

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

HIGHLAND, HODGKINS, LINCOLN.

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

Evening Schools.—Dickerman, Poole, Bennett.

Finance.—Bennett, Poole, Miles.

Industrial Education.—Carr, Dearborn, Mrs. Attwood.

Music.—Mrs. Attwood, Bennett, Sanborn.

Private Schools.—Flynn, Sanborn, Bennett.

Repairs of School Buildings.—Fiske, Whiting, O'Neil.

Rules and Regulations.—Miles, Jones, Fiske.

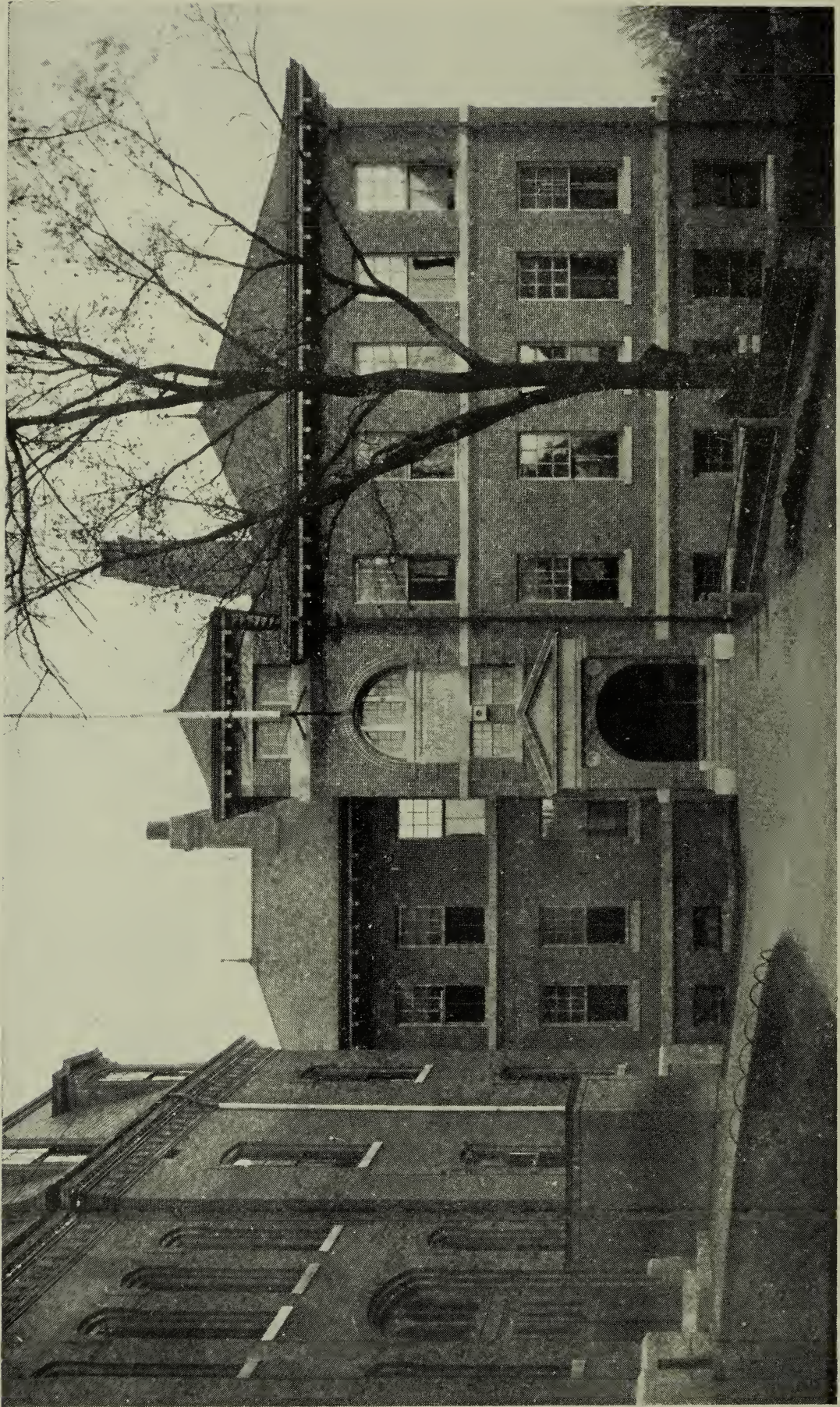
Salaries.—Whiting, Sanborn, Cutler.

Supplies.—Poole, Dickerman, O'Neil.

Text-books and Courses of Study.—Dearborn, Cutler, O'Neil, Jones, Dickerman, Fiske, Mrs. Attwood.

By vote of the Board September 24, A. B. Dearborn replaced Mr. Beard on all Standing Committees except the High School, to which Mr. Bennett was assigned.





FORSTER SCHOOL ANNEX.



## REPORT OF THE SUPERINTENDENT OF SCHOOLS.

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To the Board of School Committee:—

The twenty-ninth annual report of the Superintendent of Schools, for the year 1900, is herewith respectfully submitted, the same being the eighth of the present incumbent of the office and the fifty-ninth of the school department of the municipality.

The year 1899 will be memorable in the history of Somerville for important changes in the form and methods of the municipal government as affected by a new charter, which went into operation at the beginning of the year. The provisions of this charter relating to the public schools and the administration of their affairs are as follows:—

Section 28. The management and control of the public schools shall be vested in the School Committee, which shall exercise the powers conferred and discharge the duties imposed by law upon school committees. The Committee shall consist of fourteen members, two from each ward, elected as follows: At the first municipal election held under this charter two members of the School Committee shall be elected by and from the qualified voters of each ward, one to serve for the term of two years, and one to serve for the term of one year, beginning on the first Monday of January next ensuing, and thereafter one member from each ward shall be elected in like manner, at each annual municipal election, to serve for the term of two years. Vacancies occurring in the School Committee shall be filled by a joint ballot of the Board of Aldermen and the School Committee, the member so elected to be a resident of the ward entitled to the new member, and to hold office only for the remainder of the municipal year, the vacancy for the remainder of the term, if any, to be filled by the voters of said ward at the next municipal election.

Section 29. The School Committee shall meet on the first Monday of January in each year and organize by the election by ballot of one of its members as chairman. The oldest in age of the members present shall preside at all meetings until a chairman is elected.

Section 30. The School Committee shall be the judge of the election and qualifications of its members, and shall from time to time make rules for its proceedings. A majority of all the members of the Committee shall constitute a quorum for the transaction of business, but a less number may meet and adjourn from time to time. It shall annually appoint a superintendent of schools, who shall also be its secretary, but who shall not be one of its members.

Section 41. 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.

Section 44. The several administrative boards and officers named in this title having charge of departments shall, subject to the approval of the Mayor, appoint, employ, and discharge, at pleasure, all subordinate officers, clerks, assistants, and laborers in their respective departments, and shall have the immediate direction and control of all executive and administrative business therein. They shall at all times be accountable to the Mayor for the proper discharge of their duties.

Section 46. The heads of departments and all other officers and boards whose duties involve the expenditure of public money shall annually, in the month of January or February, present to the Mayor an itemized estimate of the money required for their respective departments or offices during the current financial year, who shall examine and submit the same, with his recommendations for appropriations, to the Board of Aldermen during the month of February or March.

The following extracts from the Revised Ordinances of 1900 also relate to the public schools:—

Chapter XIII. Section I. The School Committee shall annually, if possible, in the month of January, present to the Board of Aldermen a statement of such additional school accommodations as in its judgment may be required.

Section 2. The Commissioner of Public Buildings shall have authority to let the halls in the several school buildings for objects other than school purposes, but never to the disturbance of the schools; and all rentals received shall be credited to public buildings maintenance—schoolhouses. In no case shall the free use of any hall be granted by him.

Chapter IV. Section 4. The payrolls for the salaries of school teachers shall be prepared by the Secretary of the School Committee on the last day of each four weeks for which salaries are due, and such payrolls shall be approved by him and by said Committee, and shall be sent to the City Auditor, who shall, if the payrolls are correct, forthwith approve the same. The Mayor shall, if satisfied of the correctness of such payrolls, sign a warrant for the City Treasurer to pay the amounts thereof, and the Treasurer may thereupon pay the same.

It will be observed that the new charter makes two radical changes in the organization of the School Committee. First: The City Government is no longer in close touch with the administration of school affairs by having two representatives on the School Committee in the person of the Mayor and the President of the Common Council. Second: The term of service of members of the committee has been changed from three years to two years, and one-half of the entire number are elected annually, instead of one-third. In this latter respect the charter makes our city an exception to every municipality in the state, for elsewhere the number of school committeemen is always a multiple of three, one-third of whom are chosen annually, while two-thirds hold over and give a degree of permanency to the Board. Whether these changes are in the interest of the better administration of school affairs, only experience can show.

In accordance with the terms of the charter, the committee of fourteen members organized in January by the choice of James F. Beard, of Ward 3, as chairman. During the year several important matters have come before the new Board for consideration, the principal of which are shown in the following review of its proceedings for the year:—

**January 1.** James F. Beard was elected Chairman of the Committee.

The Rules and Regulations of the School Board of 1899, as changed by the following amendments, were adopted as the Rules of the School Committee of 1900.

Section 1. In accordance with the provisions of Section 29, Title Five, of the Revised City Charter, the School Committee shall meet on the first Monday of January of each year, and organize by the election by ballot of one of its members as Chairman. The oldest in age of the members present shall preside until a Chairman is elected, and shall read the credentials of new members.

Section 2. Further organization shall proceed as follows:—

1. Election of a Superintendent of Schools, who shall also be Secretary of the Committee, but not one of its members.

2. Election of a Vice-Chairman.

3. Appointment by the Chairman of a committee of four members from different wards to nominate Standing Committees.

4. Election of Standing Committees.

5. Transaction of other business.

Section 3. The Standing Committees of the School Committee shall be as follows:—

1. On Additional School Accommodations, to consist of the Chairmen of the Standing Committees of the several districts, and the Chairman of the Standing Committee on High Schools.

2. On High Schools, and

3. On Text-Books and Courses of Study, each to consist of one member from each ward.

4. On Evening Schools,

5. On Finance,

6. On Industrial Education,

7. On Music,

8. On Private Schools,

9. On Repairs of School Buildings,

10. On Rules and Regulations,

11. On Salaries, and

12. On Supplies, each to consist of three members from different wards.

13-19. On Schools in the several districts or wards, to consist of the two members elected from each district or ward.

The member first named on any Standing or Special Committee shall be Chairman thereof.

Wherever the word "Board" occurs in the Rules and Regulations, it is understood to refer to the School Committee, and the word "Mayor" to Chairman of School Committee.

Section 12. The Chairman shall preside at all meetings of the School Committee, if present. In his absence, the Vice-Chairman shall preside. If both Chairman and Vice-Chairman are absent, the senior member in age shall preside.

Section 32. The Superintendent of Public Schools shall be elected annually on the first Monday of January, or whenever a vacancy occurs.

Section 152. For the sake of convenient supervision, the schools of Somerville are grouped into seven districts, which are identical in their boundaries with the seven wards into which the city is divided.

Standing Committees were elected as on page 152 of this report.

**January 29.** Gordon A. Southworth was elected Superintendent of Schools and, ex-officio, Secretary of the Committee.

The Committee on Additional School Accommodations recommended: First, either a six-room building in the immediate vicinity of the Knapp School, or an addition to the Knapp school-house. Second, a six-room building in the immediate vicinity of

the Hodgkins School. Third, a six-room building in the immediate vicinity of the Highland School.

S. Newton Cutler was elected Vice-Chairman of the Committee.

Mary P. Hitchcock was made a second assistant in the English High School.

**February 6.** Special meeting.

The salary of the chief truant officer was increased \$100, making it \$1,100.

Voted, that from and after the beginning of the school year in September, 1900, the following salaries be paid for the fifth year and each succeeding year of teaching service in grammar and primary schools.

To First Assistants.....	\$725 00
Second Assistants.....	650 00
Principals of four-room buildings.....	725 00
Principals of six-room buildings.....	775 00
Sewing teachers.....	650 00

the same being an increase of \$50 over salaries at present paid.

The following appropriations for the maintenance of schools for 1900 were asked for:—

Teachers' salaries .....	\$208,000 00
School Contingent Account.....	22,000 00

**March 26.** Voted, that the vertical system of writing be discontinued from this date in all grades where now used, and the muscular forearm, or forward slant, movement be used.

Voted, that the afternoon session of the schools be from 1.30 to 3.30 throughout the year.

**April 30.** Voted to employ an assistant teacher in elocution in the English High School, at a salary not exceeding \$500.

The annual election of teachers of the public schools was made.

Voted, that Smith's Educational System of Intermedial Penmanship be adopted for exclusive use in all grades below the ninth.

**May 28.** Section 57 of the Rules was amended by adding the following:—

Fourth assistants in the High Schools may be appointed by the School Board at such salary as it may determine on the recommendation of the Standing Committee on High Schools.

Section 119 was amended to read as follows:—

Children between four and five years of age may be admitted to the kindergarten nearest their homes during the months of September and April. They may remain until the June following their fifth birthday.

Section 107 was amended to read as follows:—

Beginners shall be admitted to the first grade during the month of September only, it being understood that any child five years of age, or

who shall attain that age before the first of October following, is eligible for such admission.

The Committee voted not to extend the summer vacation one week, in accordance with petition presented.

**June 25.** Voted to increase the salary of the principal of the Bingham School \$100.

**August 27.** The resignation of James F. Beard, a member from Ward 3, and Chairman of the Committee, was received and placed on file.

Resolutions in recognition of Mr. Beard's services were adopted.

Voted to employ an assistant for the principal of the Burns School for three days each week.

**September 13.** The Board met in joint convention with the Board of Aldermen and elected Alvah B. Dearborn a member of the Committee from Ward 3, to fill the vacancy caused by Mr. Beard's resignation.

**September 24.** S. Newton Cutler was elected Chairman of the Committee, and George A. Miles was elected Vice-Chairman.

Alvah B. Dearborn was appointed to fill vacancies in Standing Committees caused by Mr. Beard's resignation, with the exception of the High School Committee. The vacancy in this committee was filled by the appointment of Dana W. Bennett.

**October 29.** Voted to adopt the following recommendations of the Committee on Additional School Accommodations, and refer them to the Board of Aldermen:—

1. For a ten-room building on the site of the present Jackson School, to replace that school, together with the Bennett and Prospect-hill Schools.

2. Renewing the request made in January for a second six-room building in the Hodgkins district in Ward 7.

The Superintendent was given permission to make tests of the sight of pupils in the public schools through the teachers.

Voted, that the Board of Aldermen be requested to name the Willow-avenue school the "Benjamin G. Brown School."

**November 26.** Voted, that the Secretary be instructed to inform the Board of Health that the School Committee and all its employees stand ready to co-operate in every way possible in the establishment and execution of a system of daily medical inspection in the Somerville schools.

Voted, that the Board of Aldermen be requested to give to the Board of Health whatever financial support may be needed to defray the expenses of a daily medical inspection in the public schools of Somerville.

Voted, that the sum of \$20 per month be allowed the truant officer for the expense of keeping a team.

Voted, that the course of study for the primary and grammar schools be revised.

Voted, that a secretary and librarian be employed in each High School.

Voted, that the Board of Aldermen be requested to name the new school on Bolton street the "George L. Baxter School."

Voted, that the Board of Aldermen be requested to provide for the immediate removal of the residence of janitors from school buildings.

**December 8.** Voted, that the Commissioner of Electric Lines and Lights be requested to install a system of telephones that shall connect each school building in the city with the office of the Superintendent of Schools, the same to be owned and maintained by the city, the expense to be paid from the school contingent fund.

**December 31.** Voted, that the salary of ninth grade teachers other than masters' assistants be \$700 from September 1, 1900.

Voted, that the annual increase in the salary of sub-masters in the High Schools be \$100, instead of \$50.

A communication was received from the treasurer of the School Board of Galveston, Tex., acknowledging the receipt of \$180.69 from the children of Somerville for the rebuilding of the schoolhouses destroyed in the disaster of September 8.

Resolutions were presented complimentary to Martin W. Carr, of Ward 6, who closes a continuous service of seventeen years on the School Committee.

### Summary of Statistics.

The salient facts regarding the schools as far as they may be indicated in figures are given below. It will be interesting to contrast the statistics of 1890 with those of 1900, to show how the increase of expenditures compares with the increase in the population as shown by the United States Census of the two years. For this purpose the figures for both years are given.

#### 1.—POPULATION OF SOMERVILLE.

1890.—United States Census.....	40,117	
1895.—State Census.....	52,200	
Increase in five years.....	12,083	or 30.1 per cent.
1900.—United States Census.....	61,643	
Increase in ten years.....	21,526	or 53.6 per cent.

#### 2.—SCHOOL BUILDINGS.

	1890.	1900.	Per Cent. of Increase.
Number of school buildings.....	22	24	9.1
Number of classrooms.....	134	222	64.2
Valuation of school property.....	\$508,600	\$1,105,604	117.3

## 3.—TEACHERS.

In high schools.....	10	40	300.0
In grammar schools .....	76	127	67.1
In primary schools .....	67	91	35.8
In kindergartens .....	0	8	
Total in elementary schools.....	143	226	58.7
Special .....	6	7	16.6
Total .....	159	273	71.7

## 4.—ATTENDANCE FOR YEAR.

Entire enrollment for year.....	7,878	12,345	56.7
Average number belonging.....	6,485	9,823	51.4
Average number attending.....	6,075	9,174	51.0
Per cent. of daily attendance.....	93.6	93.4	
High school graduates.....	61	131	114.7
Grammar school graduates.....	318	434	36.4

## 5 — ATTENDANCE IN DECEMBER.

Whole number attending.....	7,215	11,751	62.8
In private schools.....	703	1,386	97.1
In public schools .....	6,548	10,365	58.2
In high schools .....	470	1,008	114.4
In elementary schools .....	6,078	9,357	53.9
In kindergarten .....	..	186	
In first grade .....	1,215	1,567	28.9
In second grade .....	822	1,319	60.4
In third grade .....	751	1,227	63.3
In fourth grade .....	781	1,109	41.9
In fifth grade .....	639	1,111	73.8
In sixth grade .....	629	920	46.2
In seventh grade .....	495	756	52.8
In eighth grade .....	417	641	53.7
In ninth grade .....	329	521	58.3
In high schools .....	470	1,008	114.4

## 6.—COST OF SCHOOL MAINTENANCE.

Salaries of teachers .....	\$100,255.00	\$208,130.00	107.6
Salaries of officers .....	3,928.00	4,733.00	20.5
Cost of books and supplies.....	10,403.00	15,735.00	51.2
Cost of water and light .....	997.00	1,729.00	73.4
Cost of janitors' services.....	7,539.00	19,236.00	155.1
Cost of fuel .....	5,586.00	10,840.00	94.0
Total cost of day and evening schools .....	128,708.00	260,403.00	102.3
Per capita cost .....	19.84	26.51	33.5
Cost of high school instruction..	11,550.00	45,350.00	294.3
Per capita cost .....	27.30	48.28	76.8

## 7.—MISCELLANEOUS.

Paid for new school build- ings .....	\$75,775.00	\$51,232.00	
Repairs and permanent im- provements .....	19,168.00	21,745.00	13.4
Total school expenditures ...	223,651.00	333,380.00	49.0
Valuation of city .....	32,557,500.00	52,513,400.00	61.6
Per cent. of valuation spent to maintain schools .....	0.395	0.495	25.3
Per cent. of valuation spent for all school purposes...	0.686	0.634	

According to the United States Census there has been an increase of 53.6 per cent. in the population of the city since 1890. The increase from 1890 to 1895 was 30 per cent., and from 1895 to 1900, 18.1. The increase in the valuation of the city was in excess of the increase of population, being 62 per cent. The number of school buildings has increased from twenty-three to twenty-four, but it is interesting to note that seven have been abandoned, namely: the Brastow, Webster, Union, Cedar-street, Beech-street, Franklin, and Harvard, containing sixteen rooms; while eight buildings have been erected, namely: the English High, Hanscom, Pope, Glines, Durell, Carr, Hodgkins, and Perry, containing sixty-eight rooms, and the Knapp, Bingham, Burns, Forster, and Edgerly have been enlarged by the addition of twenty-two rooms. This is certainly a remarkable record for any city to make within the space of ten years. It shows an increase in the valuation of school property of 117 per cent., more than doubling in the decade, \$572,000 having been spent for new schoolhouses.

The number of pupils in the city in 1900 shows a slight increase as compared with the increase in population. The increased membership in the elementary schools is 54 per cent. The membership in private schools has nearly doubled, the boys' parochial school having been opened during the time we are considering. There has been a remarkable increase in the membership of the High Schools, being no less than 114 per cent., a relative increase more than twice as large as the increase in population. The number of high school graduates shows precisely a similar increase. The number of grammar school graduates has increased 36 per cent., the number in 1900 being considerably smaller than in 1899.

There has been a marked advance in the cost of school maintenance, the cost of construction having been more than doubled, the increase being 108 per cent. The increase in the salaries of officers has been 21 per cent., in the cost of supplies, 51 per cent. The increase in the cost of water and light has been 73 per cent. This is due to the introduction of modern sanitary appliances. The sum paid to janitors is greater by 155 per cent. The salaries of janitors have been raised, and the care of larger buildings costs much more, relatively, than that of the cheap wooden buildings that were abandoned. The increase in the cost of fuel has been 94 per cent. It costs more to heat perfectly ventilated buildings. The increase in the total cost of maintaining the schools has been 102 per cent., practically double what it was in 1890. The increase in the per capita cost is 33 1-2 per cent.

High school instruction costs four times as much as it did ten years ago, while the per capita cost is 77 per cent. greater. This increase is accounted for by the large gain in the number of pupils, the higher salaries paid to teachers, and in the larger



relative number of teachers employed. In 1890 the high school class unit was forty-seven pupils to a teacher. In 1900 it is twenty-five.

There are four times as many teachers employed in the High Schools, four times as many men and four times as many women.

The number of elementary teachers has risen 59 per cent., due to the opening of kindergartens and the smaller number of pupils assigned to a teacher.

**School Buildings.** The only increase in school accommodations for the year was furnished by the completion in February of the six-room building known as the Forster Annex. This building stands in the southeasterly corner of the lot, 3,000 square feet of land having been added in 1899. The building is in all respects well adapted to school purposes. The rooms are light, well-ventilated, and convenient. The furniture is of the adjustable pattern. Sanitaries are provided on each floor level, as well as in the basement. Closets, teachers' rooms, and corridors are ample. Clothes-rooms for pupils are set off from the corridors by iron netting, thus providing ventilation as well as security. In the basement two well-lighted rooms, each thirty feet square and in every way suitable for the purpose, are provided for manual training and cooking.

The cost of the building complete, exclusive of \$1,500 paid for land, was \$34,137.84.

In response to the request of the Committee for increased accommodations, a six-room building is now in process of construction on Bolton street in Ward 2, which will probably be ready for occupancy in March. A similar building is being erected on Willow avenue in Ward 6, designed to meet the needs of that section of the city. This house will not be finished until September next.

During the year the heating and sanitary arrangements of the Knapp School have been entirely changed. Steam has replaced furnace heat, the ventilation has been perfected, and modern closets have been provided. The advantages of these changes more than justify the expenditure of \$7,886 required.

In May what seemed to be an unusual number of cases of diphtheria in the Pope School led the Board of Health to close the school for two weeks. The building was thoroughly fumigated and washed, and several hundred books used by pupils in the room most affected were burned. During the summer vacation a complete change in the sanitary department of the building was made, the most modern conveniences being provided at an expense of \$1,898. As far as it may affect the health of its occupants, the building is now beyond criticism.

The work of improving the very defective lighting of some of the older buildings has been begun by the addition of windows in several rooms in the Forster and Latin buildings. This work

should be prosecuted with the utmost diligence until all school buildings in the city are as well lighted as the most modern. The Commissioner of Public Buildings is intending to try the experiment of using prismatic or ribbed glass in the upper three-fourths of the windows of some ill-lighted room. The claim is made that in this way the effective light may be nearly doubled. If this theory shall develop into a fact, it will furnish an easy and less expensive solution of a problem of pressing importance.

When adequate lighting facilities and the requisite adjustable furniture have been furnished, all but three of Somerville's school buildings will be in satisfactory condition as far as they minister to the health and comfort of their occupants.

These three exceptional buildings, the Prospect-hill, Bennett, and Jackson are antiquated wooden structures, unventilated, stove-heated, and unprovided with respectable sanitary conveniences. The need of something better is everywhere recognized, and the School Committee have already made an urgent request for the construction of a ten or twelve-room building on the Jackson lot, which, when completed, will enable us to abandon the old buildings and do tardy justice to the residents of the locality, who have borne their deprivations with great patience.

The request made in January for two six-room buildings at West Somerville was partly honored by the construction of a building on Willow avenue, which, as has been said, is well under way. The request for the second six-room schoolhouse to be located in the Hodgkins district has recently been renewed, and the building should be ready for use in September, 1901. It should be located so near the Hodgkins that it can ultimately relieve that school of its primary grades. In a twelve-room building, one room is emptied annually by graduation, but it is immediately filled by the admission of first-grade children. Now, if the school has two feeders, from each of which it receives a class yearly, it is obvious that there will be added three classes each year to take the place of the single one that graduates. This is evidently impossible. Therefore a large building with two feeders must be devoted wholly to grammar grades, and its primary pupils must be accommodated elsewhere.

The other horn of the dilemma is to build more twelve-room buildings under charge of masters, but this, as has been shown in previous reports, involves a needless annual outlay of \$1,500 for each large school. We now employ eleven grammar masters, and Cambridge, with a population greater by 30,000, employs exactly the same number.

**Increased Accommodations.** With the completion of the four buildings of which we have already spoken,—in Bolton street, Willow avenue, Maple street, and the Hodgkins district,—the pressing needs of grammar and primary schools for 1901 will be met. Another year, however, a new building, either contigu-

ous to the Bingham School or located in the northwest section of Ward 5, near Moreland street, will be necessary. If built near the Bingham, it will relieve the Forster of some upper grade pupils and render possible transfers from the Glines. It should be provided with rooms for kindergarten, manual training, and cooking purposes, not only for the regular work of the school, but also for the use of a vacation school, as indicated in subsequent pages of this report.

Under the head of increased accommodations it only remains to consider the vexed question of what shall be done for the High Schools. It is conceded on all sides that more room is needed. What are the existing and prospective conditions? The English High schoolhouse was built to accommodate 600 pupils. Since September 776 pupils have been registered, and the membership at the present time is 729. To accommodate these extra 129 pupils the lecture hall has been converted into classrooms. The original recitation rooms have all disappeared. One of the laboratories is used as a classroom. Clothes closets have been utilized for recitation purposes. Notwithstanding this congestion, the work of the school has gone steadily forward, but it has been at the expense of the comfort and convenience of teachers and pupils. In September of another year, according to the pretty well established law of increase, the membership will be 760. This number will, doubtless, be stowed away in the building, even if stairways and corridors are brought into requisition. But surely something better should be provided.

The Latin School received 100 freshmen in September. This experience will probably be repeated in 1901. If so, the capacity of the building will be exceeded. At least two hundred pupils more than the present buildings can accommodate will then demand high school privileges. But the question is larger than the simple one of seating pupils. Facilities for doing the work well are lacking. The Latin School is now without laboratories and library, and in need of requisites for teaching by the most modern methods. The English School has no recitation rooms, is restricted in its growing business department and in the drawing and manual training section, while special rooms are required if the best work is to be done in science, or if provision is to be made for all features of the present course of study.

Such, then, are briefly the conditions and the needs. What is the remedy? Two plans have been presented and discussed without agreement. One plan contemplates the enlargement of the English building, the other, the construction of a new Latin schoolhouse and the use of both the present buildings by the English School. Either plan is expensive, but one of them is urgently necessary. More and more is a high school education considered needful, more and more do our citizens appreciate and approve the work of our High Schools, and unless we are ready to deny the claims of our children, to repress their aspira-

tions, and to close the door of opportunity, we cannot refuse longer to provide enlarged accommodations and increased facilities for these schools.

**Pupils.** Twelve thousand three hundred and forty-five different pupils have been connected with the schools during the year. Two thousand five hundred and twenty-two of these, however, have been members of the schools but part of the year, one-half of them having moved into the city, and the other half having dropped out of school, either on account of removal from the city or from other causes. This shows the average membership of the schools to be 9,823. Of this number, 9,174 have been present at every session, showing an average attendance of 93.4 per cent. This is the lowest rate of attendance for fifteen or twenty years. It is occasioned by the unusual prevalence of contagious diseases and the fact that the statute obliges us to continue children quarantined for this reason for twenty sessions, instead of six, as formerly. There have been eight and one-sixth tardinesses and four and three-fourths dismissals out of each ten thousand opportunities.

There are 10,365 pupils belonging to the schools at the present time.

In the Latin School.....	279
In the English School.....	729
In both High Schools.....	1,003
In the grammar schools.....	5,058
In the primary schools.....	4,113
In the kindergartens.....	186

This is an increase of 470 pupils during the year, a closed kindergarten and the exclusion of children under five being taken into account.

The High Schools have kept 181 days. The elementary schools have kept  $184\frac{1}{2}$  days of four and three-fourths hours each, or 876 hours, just one-tenth of the entire year. The time lost out of the theoretical school year of forty weeks includes seven legal holidays, two days on which the schools were closed by the striking of the storm signal, five and one-half days taken for the extension of vacations, and one day for a teachers' convention. We are accustomed to say that our schools keep forty weeks in the year, but, as a matter of fact, the actual time is thirty-seven weeks. We are sometimes inclined to consider this loss of time inconsequential. If we were running a cotton mill with a million-dollar plant at an annual expense of \$250,000, the loss of seven and one-half per cent. of our working time would quickly carry the stock below par and shut off the dividends. There is a difference between cotton cloth and an intangible product. Every day of the school year and every hour of the school day should be made to contribute its proportionate part to the year's work. The loss of one-seventh of the time by a shortened year and poor attendance must of necessity affect the amount of work accom-

plished. Measured in dollars and cents, it is fourteen per cent. of our annual outlay, or \$35,000. Some loss is inevitable, but it behooves every person interested to do what he can to reduce it to a minimum.

**Teachers.** At the present time 273 teachers are employed in the city, twenty-four men and 249 women. There are twelve men and twenty-eight women in the High Schools, ten men and 117 women in the grammar schools, ninety-one women in the primary schools, eight in kindergartens, and two men and five women serving as special teachers. During the year sixteen teachers have resigned. Of these, six have gone to Boston, Brookline, or Cambridge, lured by higher salaries, six have left the profession to be married, and four have resigned for other reasons. The average term of service has been a little less than five years. During the year twenty-four new teachers have been elected, ten of whom are residents of Somerville. The teachers that have left us were among the best in the employ of the city, and in securing their successors every effort has been made to maintain the standard. Of the new teachers, sixteen filled vacancies, three were employed in the English High School, and the remaining five were placed in charge of newly-organized classes.

**Latin School.** The membership of the Latin School at the present time is 279, as compared with 254 one year ago. This increase is due to the admission of an unusual number of grammar school graduates, 103 having entered in September. The cost of maintaining this school for the year was \$15,459, an average of \$60.61 per pupil. While this school is comfortably housed, it lacks facilities for certain kinds of work along the lines of modern methods. It has a physical laboratory, so-called, partly underground and destitute of suitable equipment, but the school is wholly without rooms or appliances for the proper teaching of science or drawing. There is also need of a library and a lunch room. The pupils of the school have availed themselves of the advantages of the English School lunch counter during the year.

Notwithstanding these difficulties, the school, under the direction of its efficient head master, aided by an able corps of assistants, continues to do the same excellent work that has now characterized it for a full generation. It graduated forty-eight students, fifteen young men at the age of eighteen years, one month, and thirty-three young women older by five months. Thirty-one of these graduates have entered college. This class numbered seventy-nine at entering, forty per cent. having fallen out during the four years' course.

The advantages of a five years' course for the Latin School were quite fully presented in the last annual report, but met with little response. The two advantages of the plan are: (1) Getting the college-bound pupil at work on the languages at an earlier age, and (2) relieving the overburdened student by giving more

time to the course. If a new Latin building should be constructed, these advantages and others could be secured by taking college-bound pupils as they leave the seventh grade of the grammar school and giving them a special course of six years in the Latin School, with the opportunity of shortening it to five years, or even four years, if desirable. This is substantially the plan of the Boston Latin School.

**English High School.** The crowded condition of this school has been duly set forth in previous pages. It now contains 729 pupils, an increase of thirty over a year ago. Two hundred and sixty-nine entered in September, twenty-three of whom have already dropped out. Since the opening of this school, one-fourth of the entering class have left the school during the first year. A considerable proportion of these have been without sufficient stamina to do the required work. This brief connection with the school does the pupil no good, and is harmful to the school. Is it too much to demand that those who are admitted to the high schools shall agree to remain at least a year, unforeseen contingencies excepted?

The cost of maintenance for 1900 was \$38,753, being \$57.07 per capita. There were graduated in June eighty-three students, twenty-five young men eighteen years and seven months old, and fifty-eight young women six months their seniors. The class started with 228 members, showing a falling off of sixty-three per cent. during the four years. Of the graduates, sixteen have entered technical schools. The number of students in different departments is as follows:—

English .....	733	German .....	104
History .....	652	Drawing .....	575
Mathematics .....	590	Manual training .....	146
Science .....	399	Commercial .....	188
Latin .....	141	Stenography .....	257
French .....	271	Elocution .....	733

The citizens of Somerville are coming to realize more and more the character and importance of the work done in this school. Though greatly circumscribed for room and somewhat limited in facilities, the energy of its teachers seems tireless and their resources and enthusiasm unbounded. It is unfortunate that a school so completely equipped in the spirit and ability of its faculty should be denied opportunity for doing its most efficient work. Let us hope that the proverbial determination of our people to secure the best for their schools will bring speedy relief.

The curriculum of this school has borne the test of five years' experience, and has proved admirable in most particulars. It is a question whether it may not be wise to modify it by placing drawing on the list of elective branches for the first, as well as for other, years, and by limiting the study of elocution to two or three years of the course, or by placing it, also, on the elective list. It

may seem desirable, besides, to extend the commercial course by teaching certain subjects in the second year, that time may be found for additions in the senior year.

There is no reaction as yet in the widespread movement in favor of high school education. The increase everywhere is surprising. This growth is neither superficial nor transient. It has come to stay. The demand for higher education at public expense is emphatic and must be met. While the outlay may for a time seem burdensome, it will yield abundant income in the intelligence and prosperity of the city.

**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.
December 15, 1st year . . . . .	192	228	211	217	299	246
“ 2nd “ . . . . .	149	163	153	162	221	...
“ 3rd “ . . . . .	121	119	125	135	...	...
“ 4th “ . . . . .	98	97	108	...	...	...
Graduates . . . . .	86	83	...	...	...	...
Loss per cent. 1st year . . . . .	22.4	24.1	27.5	25.3	26.0	..
“ 2nd “ . . . . .	18.7	27.0	18.0	16.6	...	..
“ 3rd “ . . . . .	19.0	18.5	13.6	...	...	...
“ 4th “ . . . . .	12.2	14.4	...	...	...	...
Total . . . . .	55.2	63.6	...	...	...	...

**Grammar Schools.** Four hundred and thirty-four graduates of the grammar schools received diplomas in June last. Of this number 73 per cent. entered the High School. As a fourth grade the class numbered 834, but 48 per cent. dropped out before graduation. There has been very little change during the last twenty years in the average age of grammar school graduates, the decrease being a month and a half only. Thirty-eight per cent. of the graduates of 1900 were under fifteen, but thirty-one per cent. were over sixteen.

The question of promotion in the grammar schools with a view to completing the course in less than six years has been repeatedly discussed in previous reports, without much profit. Sporadic attempts have been made to hasten the progress of pupils through the grammar grades. The results have been meagre and on the whole discouraging. Probably not more than ten per cent. of the graduates have gained time in this way. It is difficult for any save the brightest pupils, and these must be in good health, to take the course in detail in less than the schedule time. There is a tendency among parents to give the time element in the education of their children undue emphasis.

A child may skip through the grammar grades and gain a year or two, but at a sacrifice of much that is valuable. The race is not always to the swift. Mental development has its rate as well as its order of growth, and the unwisdom of attempting to force nature is often seen in impaired health or arrested development. Nor is this rate of growth continuous or uniform in the same individual. Slowness or apparent stupidity in the child may be nature calling a halt while the mind overtakes the body. Experience shows abnormal precocity to be an unpromising sign, while many a plodder by giving nature her way has passed his more brilliant companion in reaching the ultimate goal.

**Primary Schools.** One thousand and eight children passed out of the primary and into the grammar schools at the end of the school year. In September, 1,065 children entered the first grade, at an average age of five years and seven months. There is a popular impression that the child begins his school life at the age of five. This is not true of Somerville.

In the report of last year a plan was presented and discussed that involved the closing of the kindergartens, the exclusion of all children under five years of age, the elimination of certain features of the first grade work and the substitution therefor of certain lines of kindergarten employment, and the reduction of the first grade session from five hours to three. Only one kindergarten has been closed, but an approximation of the plan is being tried in various parts of the city under the compulsion of crowded conditions. Fourteen classes of first grade pupils, each averaging forty-six, have occupied seven schoolrooms, one class attending in the morning and another in the afternoon. Two experienced teachers have been present at each session, one having entire charge of the instruction and the other of the seatwork. In this way each child receives as much personal attention from a competent teacher as if he were in attendance five hours. The teacher who instructs gives her undivided attention to the work in hand, while the other teacher has charge of the children at their seats, keeping them constantly and profitably employed. The teachers alternate in their work, the one instructing in the morning taking seatwork in the afternoon. As the morning session is an hour longer than that of the afternoon, the time is equalized by a monthly alternation of classes. In this way each child enjoys a session of two and a half hours through the year.

It is somewhat early to speak of the success of this plan, the teachers engaged in it being about equally divided at the present time in their expectation of accomplishing as much as they have formerly done under the old arrangement. The afternoon session is too short for a full round of recitations. If three full hours could be given to each session, there is little doubt that the results would be fully equal to those attained under the old plan.



This can be easily done by requiring one section to attend from 8.45 to 11.45 and the other from 12.30 to 3.30.

The conviction is steadily growing that children in the first primary grade should not be held to ordinary school tasks for more than three hours daily. There is no lessening of the cost of maintenance under this plan, but if it should become permanent it would save the construction of ten new schoolrooms. The result of the experiment will be watched with interest.

**Kindergartens.** Five kindergartens were in operation during the first six months of the year. It was found necessary, however, to close the one in the Carr in September, to make room for primary children. The attendance is shown in the following table:—

	Hanscom.	Jackson.	Prospect Hill.	Glines.	Carr.†	Total.
Enrollment . . . . .	99	87	83	99	54	422
Average Membership . . . . .	46	48	37	44	42	*200
Average Attendance . . . . .	40	38	30	36	33	*164
Per cent. Attendance . . . . .	87.5	79	80.2	81.4	77.4	81.5
Age . . . . .	4—8	4—10	4—8	4—8	4—8	4—8

\*60 per cent. of Carr added. † In session six months only.

The cost of instruction has been \$4,637.88, and of supplies \$103.23, a total of \$4,741.11, or \$23.71 per capita.

**Expenditures.** Excluding what has been spent for repairs and new buildings, the total outlay for school maintenance for 1900 has been \$260,403. Each dollar of this sum has been divided in the following proportion:—

	1900.	1899.
Teachers' Salaries.....	\$0.799	\$0.788
Supervision.....	0.018	0.019
Janitors' Salaries.....	0.074	0.073
Heat and Light.....	0.048	0.054
School Supplies.....	0.061	0.066
Total.....	\$1.000	\$1.000

Of the \$10,000 increase in the salary list, \$5,000 results from the raising of salaries, and \$5,000 is occasioned by the organization of new classes. The per capita cost is shown in the following table:—

## Per Capita Cost of Maintaining Schools, 1899 and 1900.

	High Schools.			Grammar and Primary Schools.			All Schools.		
	1899.	1900.	In-crease.	1899.	1900.	In-crease.	1899.	1900.	In-crease.
Instruction and Supervision . . .	\$46 73	\$48 28	\$1 55	\$18 18	\$18 87	\$0 69	\$20 80	\$21 67	\$0 87
Text-Books and Supplies . . .	5 76	4 46	*1 30	1 29	1 30	0 01	1 70	1 60	*0 10
Schoolhouse Expenses . . .	5 64	5 30	*0 34	3 03	3 02	*0 01	3 28	3 24	*0 04
Totals . . . .	\$58 13	\$58 04	*\$0 09	\$22 50	\$23 19	\$0 69	\$25 78	\$26 51	\$0 73

\* Decrease.

It will be seen that there has been an increase in the cost of high school instruction of \$1.55 as compared with 1899. This is due to the increase of salaries. The cost of supplies is less by \$1.30 and schoolhouse expenses by \$0.34. The latter is due to the decrease in the salary of a janitor.

The increase of \$0.69 in grammar school instruction is caused by the general increase in the salaries of women teachers, which took effect in September. The increase of \$0.01 in the cost of supplies is offset by the decrease of \$0.01 in schoolhouse expenses. The general decrease in the per capita cost in the high schools is \$0.09. The increase in the cost of elementary schools is \$0.69. The per capita cost of all schools is \$26.51, as compared with \$25.78 in 1899, an increase of \$0.73, largely due to the increase made in salaries.

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

2 men . . . . .	\$3,000	19 women . . . . .	\$900
1 man . . . . .	2,000	1 woman . . . . .	850
9 men, 2 women . . . . .	1,900	1 woman . . . . .	800
1 man . . . . .	1,850	3 women . . . . .	775
2 men . . . . .	1,700	17 women . . . . .	725
1 man . . . . .	1,500	173 women . . . . .	650
1 man . . . . .	1,450	11 women . . . . .	600
1 man . . . . .	1,400	8 women . . . . .	500
3 men . . . . .	1,350	3 women . . . . .	425
1 man, 3 women . . . . .	1,200	1 man, 1 woman . . . . .	400
1 man . . . . .	1,100	2 women . . . . .	360
4 women . . . . .	1,000	1 woman . . . . .	350

The total salary list at present is \$212,045.

**Courses of Study.** The question of education—vast, complex, momentous—has been for the last fifty years the subject of study, investigation, discussion, experiment, criticism, by both experts and laymen. Though there are still wide differences of opinion as to many important matters, the educational world has come into substantial accord upon certain fundamental questions. One of these is that the present common school curriculum is

suiting on the whole to the needs of the mass of children to be educated, that it involves the knowledge and training that children need, whatever their future is to be. Had educators a prophet's vision, it might be possible to classify children at an early age and adapt their course of study to their life pursuits. Though it is getting more and more to be the effort to individualize instruction, to give genius a chance, to allow the natural bent of the child every opportunity, yet the best we can now do is to pass all children through a common mold and give them all that knowledge and training which presumably furnishes a sound basis for whatever further education may be in store for them.

The state of Massachusetts insists (1) that all elementary schools shall keep at least thirty-two weeks in the year, (2) that every child shall attend these schools every day of each of seven years, from the time he is seven until he is fourteen, and (3) that certain prescribed studies shall be taught therein. It has given to school boards ample authority to execute these provisions of law and made the support of schools obligatory upon each community. Moreover, it has given to school committees permission to lengthen the school year, to allow younger and older children the privilege of the schools, and to select additional studies from a long optional list. Acting on this permission, Somerville has made its school year forty weeks in length; it has extended the permissive school age to include all between five and seven and above fourteen indefinitely; and it has added to the compulsory studies others from the optional list. Now, if we could take the average child at five years of age, and if he could be invariably constant in his attendance, he could complete the elementary course when the compulsory age limit of fourteen is reached. This, however, is theory. The fact is that the child is nearer six at entering, that his attendance is interrupted by sickness and other contingencies, and if he graduates at all from the elementary school, it is when he is well started on his sixteenth year.

Another serious difficulty that prevents our giving to each child the education which it is his privilege to receive is the impossibility of keeping children in school beyond the compulsory age limit of fourteen. Here is a table that shows the aggregate number of children in the six grammar grades for the five school years ending June, 1900, the number dropping out of each grade, and the per cent. of annual loss.

	Pupils.	Dropped Out.	Per Cent. of Loss.
Grade IV . . . . .	4,049	...	...
Grade V . . . . .	3,840	209	5.1
Grade VI . . . . .	3,496	344	8.8
Grade VII . . . . .	3,177	219	6.2
Grade VIII . . . . .	2,522	655	20.6
Grade IX . . . . .	2,154	368	14.6
Graduates . . . . .	2,022	132	6.1
Total . . . . .	4,049	2,027	50.1

These figures show us that eighty per cent. of every fourth grade reaches the seventh, that one-fifth of each seventh grade goes no farther, that one-seventh of each eighth grade drops out, that one-third of the seventh grade never reaches the ninth, and that only one-half of our fourth-grade pupils are graduated from the grammar schools. Seventy-four per cent. of these graduates have entered the High Schools. What becomes of this missing fifty per cent.? Why do they drop out? The great majority leave school on reaching fourteen, mainly to go to work. How can they be retained? Partly, perhaps, by raising the compulsory age limit to fifteen, and possibly in part by modifying the requirements; nevertheless, the stress of poverty and untoward circumstances will always exclude a large percentage.

If those whose school life is thus shortened could be grouped together, a more profitable course of instruction might be given them, but, scattered as they are over the city, and practically unknown, this is now hardly feasible. The facts are given to show the need of shaping our curriculum to do the best possible for this important class.

And this raises the grave and perplexing question, How shall we shape our curriculum? How apportion the prescribed studies in kind and quantity to meet the natural order and rate of mental development, how graduate our requirements to the varying conditions of mental capacity, of physical health, of prospective employment?

Here is the list of the eleven subjects that must be taught "by teachers of competent ability and good morals" in the elementary schools, as prescribed by statute: Orthography, reading, writing, the English language and grammar, geography, arithmetic, drawing, United States history, good behavior, physiology and hygiene, including special instruction as to the effect of alcoholic drinks and of stimulants and narcotics on the human system, and, in cities of 20,000, manual training. From the permissive list we have added, within a dozen years, bookkeeping, nature study, sewing, physical training, and civics. Music has been taught in our schools from time immemorial.

Here, then, are seventeen subjects, each with an almost unlimited range, to be assigned to the right period of the elementary course of nine years. All but one of them may be taught in selected grades. The exception is "physiology and hygiene, which, in both divisions of the subject, shall include special instruction as to the effects of alcoholic drinks, stimulants, and narcotics on the human system." For some inscrutable reason, this subject is to be taught, not as other studies, to special ages and grades, but "as a regular branch of study to all pupils in all schools,"—from the fledglings in the kindergarten to the seniors in the high schools.

It may not be amiss to consider briefly the absolute and relative value of the subjects selected for our elementary schools. And first, as to the permissive branches.

*Bookkeeping* is taught only in the ninth grade, as an application of arithmetic, and is limited to a knowledge of simple accounts by single entry methods. An hour a week is spent upon it during the latter half of the year.

*Civics* is also studied in the ninth grade only in connection with history, the object being to give the graduates a clear idea of the salient features of the municipal, county, state, and national governments. Is this too much to expect of children in their sixteenth year?

*Sewing* has been taught to four grades of girls for eleven years, and consumes one hour weekly. It is, of course, a form of manual training. It has a decided practical value, and is a relief from the severer strain of school work. It would be a step backward either to abandon or to restrict it, and any proposition to do so would meet with emphatic protest.

*Vocal Music* has been systematically supervised and taught for nine years in the primary grades. It affords rest and recreation, it is a means of healthful exercise and pleasurable training, and it cultivates the aesthetic and ethical sense. It trains the ear to appreciate and enjoy good music, and it gives the ability to sing at sight any ordinary musical composition. It requires an hour a week in grammar, and an hour and a quarter in primary grades. This time may possibly be shortened, but much curtailment would mean a distinct loss, and its abolition would raise a revolt.

Ten years ago the Ling system of *physical training* was introduced as a substitute for open-air recesses. The exercises require an hour each week, furnish change and relaxation, and, theoretically, at least, promote the physical welfare of pupils. No more advantageous use can be made of the little time now spent in this direction.

*Nature Study*, or, more properly, elementary science, is a comparatively recent introduction into the elementary school curriculum. It is one outcome of the conviction that has taken possession of the educational world that "education should include not only the study of man and his languages, history, and literature, together with mathematics, but also the study of man's surroundings, his physical environment, of the world in which he is placed and on which he so largely depends." The fact that there is hardly a reputable school in the land in which it is not studied, nor a normal school without its special course for the training of teachers in this direction, shows the hearty welcome it has received and the interest it has awakened. So new is it that some misconception exists regarding its purpose, methods, and character. It is the study of nature, not through books,—none are used,—but directly through some of her thousand manifestations. It leads to the close observation of the familiar phenomena of nature. It includes the study of plants, animals, and minerals, and, in explaining the facts of nature, involves the elements of physics.

and chemistry. Of course some scientific nomenclature is used, and scientific methods of arrangement and classification are necessary, but these are only incidental to the main purpose.

What does nature study do for the child? In the language of Professor Scott, of the Oswego Normal School, it aims:—

1. To awaken an interest in the wonderful world about him, and to cultivate a sympathy with the life of which he is a part.
2. To develop his higher nature, aesthetic, ethical, spiritual, and lead him upwards toward the Author of nature.
3. To train his intellectual powers and form right habits of observation, thought, and study.
4. To give him a knowledge of the facts of his physical environment.

Its secondary, or subordinate, aims are:—

1. To give the child such an understanding and appreciation of nature as will enable him to appreciate and enjoy the literature and art which have been inspired by nature.
2. To give the child clear impressions which shall serve as one basis for the expressive work of the schools,—language, reading, drawing, modeling, and arithmetic.
3. To give him a clear knowledge of his immediate physical environment, which will serve as a basis for his work in geography, his study of his broader environment.

Surely the accomplishment of these aims will justify the assignment of an important place to nature study in the elementary course.

We have been conservative in the use of time in this direction,—an hour a week only being given to it. Such is the interest in the subject, and such the importance attached to it, that some cities—Springfield, Cambridge, Quincy, Brockton, Malden, for examples—employ a special supervisor, or director, of nature study, as for drawing, music, etc.

Having considered at some length the value of the subjects selected from the permissive list by the city, let us inquire more briefly regarding those upon which the state insists. There is no question that reading, writing, spelling, language and grammar, arithmetic, geography, and history should be taught in the elementary schools. The more difficult questions are how much of each shall be taught, and at what period in the course. And upon even these questions there is divergence of opinion.

*Reading*, of course, holds the chief place in every elementary course. Our aim in teaching it is to enable the child at graduation to read intelligently for himself and fairly well for others such authors as Irving, Hawthorne, Prescott, Longfellow, and Tennyson. We leave Shakespeare, Browning, and Emerson to later years. Some attention is paid to the graces of oral reading, but no attempt is made to teach elocution.

Besides this, we seek in all grades to create a taste for good literature, and to form the habit of reading the best books.

The importance of *writing* has been over-emphasized with us in recent years, and an undue amount of time and energy spent

upon it. As the programme is now arranged, penmanship stands fourth in the list of subjects in the time assigned it, the order being reading, arithmetic, language, penmanship. It should be subordinated as being simply a means to an end.

*Spelling* has never been considered by us as something to be absorbed by contact with language, but has always been studied directly, the much-berated spelling-book figuring throughout the course. Results do not show that the subject has been overdone.

*Language Work* holds a prominent place, constant effort being made to secure the ready and correct expression of thought both in speech and writing. There has been a steady gain in this respect, and yet there are great opportunities for improvement. Technical grammar is taught in the three upper grades.

*Arithmetic* has always held chief rank in the popular mind as of foremost importance. It is considered "practical," "essential," "closely connected with success in life," etc. Without detracting unduly from its assumed value, it may be said that it has been somewhat overrated, both as an element of knowledge and as a means of training. Unlimited time may be spent upon its countless applications, but so much of it as is actually needed for business may be acquired in less time than is now given to it. Facility and accuracy, to an extent not now reached, in a few fundamental and necessary operations, performed chiefly in the mind, should first of all be acquired. Even this will require much time and practice, but it will ensure the quick completion of whatever else may be needed in arithmetical work. The subject has been apportioned among the nine grades, but the conviction grows that more has been assigned to the earlier years than is warranted.

*Geography*, physical, political, or commercial, receives attention in the six grammar years through reading and study. The subject is as broad as the earth, and the chief difficulty lies in the order of treatment and the selection of what is most important. It is closely correlated with nature work, the form that it chiefly takes in the lower grades.

*History and Biography* constitute a leading feature in the work of the three upper classes. History is learned through biographical reading in all grades. This study has great value in inspiring pupils with high ideals of life and in developing the spirit of loyalty and patriotism. In the ninth grade the library method is attempted by some classes, the public library offering every facility therefor.

*Drawing*, measured by the time spent upon it, holds fifth rank, being taught in all grades. It includes nowadays the study of art, and the aim is to cultivate a taste and appreciation of what is beautiful, as well as to attempt to give skill in its production. It has aesthetic and ethical, as well as industrial and practical, value. It is attractive to children, and involves little mental strain. Doubtless the assignment of time may be readjusted, with possibly an option given to teachers regarding the quantity of work

to be done in certain localities where the school life is the shortest possible.

*Good Behavior*, though last in the list of the branches the state requires taught, is one of the most important. It includes ethical instruction, the grounding in principles, the training in habits that crystallize into noble character. Little specific teaching is given. Every subject, rightly taught, contributes its share. The general trend of discipline, the insistence on the practice of the school virtues, and the example and influence of the teacher are the means used to secure the ends.

*Manual Training*, although a statutory requirement for us, has not yet been introduced into our elementary schools. Recent inquiries show that in this respect we are in company with just half of the cities to which the statute applies. "The growth of manual training as a branch of study has been somewhat like that of drawing. At first it was sought as an accomplishment, afterwards as a trade, now as a means of mental discipline in furnishing a good foundation for practical life. Its claims to a place in the course of studies are: That (1) it teaches dexterity of hand; (2) it trains to habits of order and neatness; (3) it cultivates a sense of truth and right by demanding exactness of details; (4) it cultivates the will in its requirements of persistence until a set task is completed; (5) it serves as a valuable aid to drawing and art studies; (6) it cultivates the ethical sense in enabling pupils to make useful objects; (7) it serves to offset the strain of purely intellectual work; and (8) it gives respect for manual labor."

The chief objections to manual training are: (1) It consumes time that may be used to better advantage; (2) it involves increased expenditures. The first objection opens the whole question of educational values. It may be said, however, that the uniform experience has thus far been that no perceptible loss appears in the direction of other studies where manual work has been followed. As to the expense,—we never hesitate in other matters when convinced that the end justifies the means.

Wishing to get expert opinion upon certain points connected with the general question, I recently addressed the following inquiries to four gentlemen, all judges of the supreme court of the educational commonwealth. Their replies are here presented, to show that the question is yet far from settlement. The inquiries were:—

(1) At what age should pupils in elementary schools be given manual training in the form of woodwork at the bench?

(2) How long can such work be profitably continued?

The replies:—

Late and little, or not at all, is as far as I have got.—G. Stanley Hall, Clark University, Worcester.

It is our strong feeling here at the Institute that the formal manual training at the work bench with regular tools should not begin before the high school, and that such work should not continue for more than two years.—Luther Gulick, Pratt Institute, Brooklyn, N. Y.



The age at which pupils in elementary schools can begin manual training in woodwork depends, of course, upon the character of the work and the time given to it. If the training includes the usual series of elementary exercises, a boy might advantageously begin the work at twelve years.

Woodwork can be profitably continued through all the grades of the elementary school, provided the exercises are properly developed. Inventive and constructive work should begin as soon as the pupil has acquired the manipulation of the tools and has got control of the fundamental processes. In this way his drawing, his inventive power, and his practical training are all correlated, and he realizes what work of this kind means. There are great possibilities, I think, in elementary woodwork not yet availed of in the schools.—James MacAlister, President of Drexel Institute, Philadelphia.

With the ordinary teacher it is perhaps safe not to begin the bench work earlier than the seventh year. With a capable teacher, however, and one in sympathy with the impulses of boyhood and girlhood, very healthful and valuable work may be done in the sixth grade with the bench tools. The products would at this time, of course, be somewhat crude, but motive and sound reasoning in working out means and methods may all be represented in such work.

As to the question of how long such work can be profitably continued, it seems to me that the satisfying quality of such work, both in its operation and results, as related to boy nature allows its use to be continued with the most valuable results through the remaining years of the elementary schools. For the boy of thirteen or fourteen, with his developed sense of conscious power and desire to impress himself upon his surroundings, the concrete possibilities of woodworking open natural channels for achievements,—achievements which are related most naturally to his interests and capacities.—C. R. Richards, Columbia University, New York.

**Studies in Other Cities.** It is interesting and may be profitable to know what subjects are taught in the schools of other cities. For this reason tabulated returns to inquiries sent from the State House to all cities of 100,000 population, to the practice departments of twenty typical normal schools in various parts of the country, and to the cities and larger towns in Massachusetts are here reproduced. Sixty places made complete replies. In comparison, it should be borne in mind that in forty-four places there are nine grades in the course, and in the other sixteen places there are only eight grades.

Table showing the number of cities and towns (out of sixty places reporting) in which the various subjects are taught and in what grades the subjects are taught.

[ Grade Nine in forty-four places.]

BRANCHES.	Grade	Grade	Grade	Grade	Grade	Grade	Grade	Grade	Grade
	1.	2.	3.	4.	5.	6.	7.	8.	9.
Reading . . . . .	60	60	60	60	60	60	60	59	43
Writing . . . . .	60	60	60	60	60	59	55	52	36
Spelling (lists) . . . . .	34	46	53	58	58	58	56	54	38
Language and Composition . . . . .	54	57	60	60	58	55	51	47	41
Grammar . . . . .	..	..	..	2	4	15	34	51	40
Latin . . . . .	..	..	..	..	..	1	4	5	12
French or German . . . . .	..	..	..	..	1	1	3	2	3
Arithmetic . . . . .	53	59	60	60	59	60	59	57	41
Algebra . . . . .	..	..	..	..	..	..	6	11	22
Geometry . . . . .	..	..	..	2	4	5	6	8	6
History and Biography . . . . .	9	12	15	22	29	32	47	57	39
Geography* . . . . .	9	14	23	38	40	40	41	39	24
Elementary Science or Nature Study . . . . .	50	51	52	52	52	51	50	47	37
Singing . . . . .	57	58	59	59	59	59	56	56	42
Drawing . . . . .	58	58	58	58	59	59	59	58	43
Manual Training or Cooking . . . . .	7	5	5	10	13	14	15	13	38

\* Forty-one places reporting, twenty-nine of them having nine grades.

From the above table it appears that the three R's still hold the most prominent place in all the grades. Singing and drawing are taught in nearly every grade of all schools reported, while spelling and language have almost as good a showing. Geography and history are almost universally taught in the upper grades, and their elements are not neglected in a large proportion of the lower grades.

The most surprising figures are those given in connection with elementary science or nature study. That more than five-sixths of all the grades below the eighth, and a scarcely less proportion in the eighth and ninth grades, are receiving instruction corroborates what has been already said in this report. Either Latin, French, German, algebra, or geometry is taught in some grade of about one-third of the places reported.

**Time Schedules.** The difficulty in arranging a school programme lies not so much in the selection of studies as in the apportionment of time and in the assignment of grades. To this problem much thought and serious attention have been given both in theory and practice. An attempt has recently been made, under the direction of the State Board of Education, to secure a concensus of expert opinion and usage regarding this matter. Leading educators all over the country were consulted, typical courses of study were compared, and the practice in the best English, French, and German schools was investigated. There resulted what we may call an ideal or model programme. Without attempting any detailed comparison, it is interesting and instruc-

tive to note that in the language group (including reading, writing, spelling, composition, grammar, and literature, together with history) our time allowance, taking the course through, is five per cent. greater than in the model programme. In the second group, mathematics (including with us nothing but arithmetic and book-keeping), it is also five per cent. greater. Upon the third group, elementary science (including nature study, physiology, hygiene, and geography), however, we spend two and one-half per cent. less than the ideal programme suggests. In the miscellaneous group (including singing, drawing, and manual training) we are seven and one-half per cent. behind in our assignment of time. In the time devoted to study in school the two programmes are practically alike. This comparison confirms the opinion heretofore expressed that it may be wise for us to lessen the time now given to drawing, arithmetic, and possibly writing, and to increase the time given to science, still leaving room for the addition of manual training to the course if thought best.

Everything depends upon the wise and discriminating use which the teacher makes of the course of study. If she looks upon it as a series of cast-iron requirements, as so much prescribed work to be accomplished, whatever the conditions, she will be led into grievous errors in her methods, and her pupils will suffer either from over-help or from over-work, the first being the more injurious and the more probable. If, however, she remembers that no course of study can be adapted to all children, to all classes, and to all exigencies, and is controlled by a wise consideration for the needs of each child, viewed hygienically, as well as pedagogically, she will use her common sense and will modify her requirements, demanding less here and more there, as individual interests and ability may dictate. Our own course of study emphasizes this duty of the teacher in the following language:—

It is assumed that teachers will use this course of study intelligently and with discrimination. It presents a maximum of attainment, but it is not inflexible. Not all classes, not all pupils in any class can accomplish all the work laid out. Some pupils will be able to pass beyond grade limits, although the wider application of subjects and principles will ordinarily render this needless. Not all subjects are of equal importance. Some may be cursorily treated or even omitted. The essentials will be readily recognized, and must be emphasized. The wise teacher will be governed in the subjects taught, in the methods used, and in the allotment of time by the circumstances of the class and by what shall seem to secure the greatest good of the greatest number.

Let it not be forgotten that it is the child that is to be taught and developed rather than the subject. The individual, his temperament, his tastes, his needs, his abilities must be studied, and instruction modified accordingly. Schools exist for the benefit of children, not to exemplify a system or carry out a policy. Programmes, courses of study, text-books, and the like are only guides and aids. They can never displace nor even trammel wise teachers, through whose judgment, character, and inspiration alone schools attain to the ideal.

A few subjects in arithmetic, etc., thoroughly understood, are better than more partly comprehended. Hence principals are authorized to transfer the teaching of the least important of the assigned subjects to

the last of the year, and omit them altogether if, for any reason, this seems necessary in order to secure thoroughness in the essentials.

In all grades a minimum amount of required work should be assigned for all members of the class, and sufficient optional or elective work for the most proficient. The required work should cover all the essential principles, and the elective work should be interesting, broad in its scope, practical, and as closely related to business and everyday affairs as possible.

**Self-help.** I have spoken of certain educational principles as having been pretty well established by the investigation and discussion of educators. The most important is this: Education is a process of development from within, not of construction from without. The germ is in the child, and can reach its growth and perfection only through his self-activity. It is what the child does for himself that stimulates this growth, rather than what is done for him. Schools may furnish the opportunity, and knowledge the material, teachers may supply ideals and motives, but the use of opportunity, the assimilation of material, the attainment of ideals,—all these depend upon the child's own efforts. Control, guidance, inspiration are external, but education is from within, and is self-achieved. It is not a personally-conducted tour up the hill of science. The path may be blazed and a guide furnished, but the traveler does his own climbing, and carries his own luggage, and develops his own strength. The school never does the best for the child until it leads him into voluntary, interested, sustained, independent study, hard study that overcomes obstacles, solves difficult problems, and makes confused ideas clear. Not that it is to do nothing else. It must furnish employment, also, that is easy, pleasurable, entertaining, refreshing, that calls into exercise the body, as well as the mind. Indeed, the temptation, the tendency is to furnish too much employment that is easy and attractive, and too little that requires close application and hard labor.

The failure to give opportunity and time for growth through self-activity renders pertinent the leading criticism upon modern school methods. Here are some quotations from recent critics:—

“The independent, self-reliant student has, to a large extent, passed away.” “Children are not thrown on their own resources.” “They are carried over the course of the least resistance.” “I see nothing in the new system to establish the habit of application.” “The curse of modern education is multiplication of subjects and painless methods.” “Students have become so reduced that they would like, as it were, to lie in bed and have their studies sent up to them.” “The students we receive have little power to help themselves.” “‘If you want us to be virtuous, heroic, learned, accomplished,’ the young people of to-day practically say to the church, the school, the college, to their parents, ‘you will have to exert yourselves. We want to gratify you, but will tolerate nothing dry, nothing hard, nothing ascetic. The duty of the preacher or of the teacher is to waft us to heaven or Parnassus on gentle zephyrs; otherwise each must endure the pain of seeing us conclude to go somewhere else.’”

All will acknowledge that there is force in these criticisms, which have to do, by the way, not with scholastic attainments, but

with elements of character. And yet we shall not be inclined to hold the schools entirely responsible. The teachers are in the drift. They yield, unconsciously, perhaps, to the tendencies of the times. This is an age of labor-saving devices. We ride where we formerly walked. We are lifted up stairs. All the pills are sugar-coated. We press the button and somebody else does the rest. We are on pleasure bent. The young must be attracted, allured, persuaded. Easy-going methods of family discipline prevail. Lines of least resistance are followed. Too frequently the children control. All this and more like it out of school cannot fail to influence the character of the work in school. Everything must be made entertaining, burdens must be lifted, the teacher who makes the work easiest is the most popular. "Miss Blank is just splendid, she explains everything so beautifully." "What do we pay our teachers for, except to help the children?" The school should be made pleasant, attractive, alluring, but it should not enervate by substituting simple entertainment for the training which toughens mental fibre, which sacrifices ease to effort, which makes labor a delight, which substitutes resolute purpose for indolent whims, which gives one the victory over himself, which develops out of himself by his own energy the character that ennobles life and blesses others.

The majority of teachers fully realize the situation. They recognize the work to be done, and set themselves resolutely to stem the current and to attempt the task. They succeed in a measure only. The call for more from higher schools, the spur of competition, the feeling that a certain prescribed work must be done, and the demand from outside that the child's labor shall be lightened as much as possible tempt her to take the quicker, easier, more popular path of over-help, over-explanation, over-teaching, and to substitute her effort for that which the child himself should put forth. All this is unpedagogical and unwise, she knows, but we are all human. What is needed is not less earnestness, less enthusiasm, less purpose, but more composure, more insistence upon quality rather than quantity, greater willingness to be judged by how the pupil is trained than by how much ground he has covered, by the little he has done for himself, instead of the much that has been done for him.

Parents, too, should recognize this principle of growth through self-help, and should welcome for their children employment and methods that are prophetic of mental and moral vigor. And this suggests the inquiry, To what extent should the home be called upon to aid the school in its work?

**Home and School.** The home and the school are allies. They are appointed by nature or the state to accomplish the supreme task of rearing the child to a life of health, intelligence, and virtue. Each has its function, but neither is independent of the other. Their work is so interrelated that neither can be a substitute for the other. These natural allies should be in closest touch

and sympathy. Mutual acquaintance and confidence should be complete. The home should know the school, its teachers, its privileges, its requirements. The school should know the home, its parents, its opportunities, its demands. Only with these conditions fulfilled can the school do its best work. Only as the parent has personal acquaintance with the teacher, with her aims and efforts, with the tasks assigned, and, through her, with the effort and spirit of the child, can he wisely co-operate with the school. This mutual knowledge in a large city is difficult, if not impossible. Hence the parent sees the teacher and school chiefly through the eyes of the child, and the teacher knows the home mainly as the child reveals it to her. Frequent misjudgments result, and the child's interests are jeopardized. Troubles between parent and teacher are generally the result of misunderstanding or misrepresentation. When the two meet in calmness, information is given and received, quick adjustment results, and mutual regret is expressed that the conference was not held long before.

**Home Study.** With a view to ascertaining whether home study in our schools is excessive and needs restriction, and before the matter had been locally agitated, teachers of high schools and the four upper grammar grades were requested to record the number of minutes actually spent in study in school during one school week, and also to take the reports of pupils as to the time actually spent in study at home during the same time. The week selected began October 29. The reports may be relied on as substantially correct, although, in the opinion of teachers, there was a little tendency to exaggerate the amount of home study, in the hope of securing commendation. The results of the inquiry are given to show a condition, not a theory:—

**AVERAGE NUMBER OF MINUTES SPENT IN STUDY DAILY IN SCHOOL AND AT HOME OCTOBER 29-NOVEMBER 2.**

GRAMMAR.			
	Average Age.	In School.	At Home.
Grade VI . . . . .	12-2	75	23
Grade VII . . . . .	13-1	70	40
Grade VIII . . . . .	14-0	60	48
Grade IX . . . . .	14-10	70	73
ENGLISH HIGH.			
Grade X . . . . .	15-8	60	123
Grade XI . . . . .	16-6	76	107
Grade XII . . . . .	17-3	64	136
Grade XIII . . . . .	18-7	48	137
LATIN HIGH.			
Grade X . . . . .	15-3	85	165
Grade XI . . . . .	16-4	82	148
Grade XII . . . . .	17-1	78	173
Grade XIII . . . . .	18-5	69	164

The inquiry went a little farther and sought to ascertain how many pupils have other work along educational lines, such as

music or elocution, and how many boys have regular occupation of one sort or another. The returns show that thirty-six per cent. of the girls and forty-four per cent. of the boys in the English School, and thirty-seven per cent. of pupils in the grammar schools are thus occupied. There were no returns from the Latin School. It thus appears that sixty-three per cent. of children in the four upper grammar grades and fifty per cent. in the English High School are at liberty to devote their entire working time to school duties.

It is unanimously conceded that high school pupils must of necessity, and should of propriety, study at home. Here and there is one who seems to be carrying too heavy a burden, but the great mass of pupils in both High Schools are apparently doing the work with ease and credit. Relief for the overburdened is easily found in the extension of the time. Five years may be taken by any one who chooses to complete the Latin School course. In the English School a rule should be made that 2,400 periods of prepared work accomplished in three, four, five, or even six years should entitle one to a graduate's diploma. This gives those who for any reason are unable to keep pace with the regular class work an opportunity to secure all the advantages of the school without endangering health or overtaxing strength.

The transition from the ninth grade to the tenth, that is, from the grammar school to the high school, should be like that from any other grade to the one next higher, for our school course is theoretically an unbroken one of thirteen years. As far as entrance to the high schools is concerned, the principles which apply to other grades control here.

The work of the high school, however, makes greater demands upon the student's time and labor than he is prepared for. It is not easy for him to adjust himself to the change from two sessions to a continuous one of five hours, with at least two hours of home study. All his studies are new, with the exception of English and history, and even these are pursued under new methods and conditions. He is thrown upon his own resources, finds his teacher not always at his elbow, and labors under conditions that test his power of self-reliance and independent action. The strain is severe, and under it many pupils leave school during the first year in search of easier tasks. These conditions prevail in many, if not most, high schools, and disclose a defect that can be remedied only by placing greater responsibilities upon the pupil during his elementary course. There is no reason why the ninth grade should not prepare him to do high school work successfully. Indeed, much is done in this direction, but habits of study, application, and self-help cannot be formed in a single year. They require time for their growth, and should be fostered from the outset.

In discussing the question as to what extent the work of the school should be carried into the home, the following considerations should be borne in mind, and each given due weight:—

1. From his sixth to his nineteenth year the matter of supreme importance to the child is his education. In this the school is the chief factor, and should hold the first place.

2. Legitimate, but subordinate, demands are made upon his time by home employments, private instruction in music or elocution, religious and social duties, and recreation of various sorts.

3. The school should demand nothing in any wise detrimental to the health of children. The great majority of school children, probably ten thousand out of the eleven thousand in our schools, are normal children, active, healthy, vigorous. A small minority, however, are of peculiar temperament and in delicate health and unable to carry as much weight as the majority. The interests of this class should be very carefully considered.

4. The school year is short. School buildings are open on only one-half the days of the calendar year for four and three-quarters hours each day. Two days of each week are rest days, during which no school work is done. Seven legal holidays interrupt the monotony. Every ninth week is a vacation. Two months of the year are a period of absolute rest.

5. Sixty per cent. of the children in our schools have nothing to do except to sleep, to eat, to play, and to discharge their school duties.

6. Every child thirteen years of age or over needs to have some regular specific employment for a portion of his leisure hours. Set tasks, interesting, pleasurable, profitable, are more effective than any curfew law in keeping children off the streets at night. Nothing useful to do breeds indolence, weakens the power of effort, begets mischief.

7. Through home tasks the parent is kept in touch with the school, learns the progress of his child, and is enabled to stimulate, restrain, or counsel, as the needs may be.

8. The tendency of some teachers to make unwise exactions should be recognized.

9. Half the time in school is spent in occupations that do not severely tax the pupil, and less than one-third of the time is spent in actual study. The child is often required to study while a wide-awake teacher and an interested section of the class are engaged in a lively recitation that diverts his attention. The best intellectual effort is made in quiet, if not in solitude.

10. If home tasks are given they should be specific and definite, parental assistance should be prohibited, the work should be done chiefly in the morning, never on Saturday or Sunday. They should be of such a nature as to be completed by the majority of the class in thirty, forty-five, or sixty minutes, respectively, in the three upper grades. Parents should always be able easily to secure exemption from home tasks for their children on the ground of health or for other sufficient reasons.

These considerations, bearing on the general question in its different phases, are presented as the result of much observation



and reflection, and as a contribution to the discussion of an important matter.

**Drawing.** The following communication has been received from the supervisor of drawing in response to the following questions:—

1. What is the chief value of drawing as at present taught in our schools?
2. May not those pupils who are destitute, seemingly, of taste and skill omit the study altogether?
3. Might not drawing be made optional for pupils in the eighth and ninth grades?
4. Cannot the time now given to drawing be shortened?—

Mr. G. A. Southworth, Superintendent of Schools,

Dear Sir: To your inquiries I submit the following replies:—

1. Drawing in the schools has become more truly art instruction. Its scope is no longer limited to so many minutes a week, but "its aim is to enlarge the pupil's breadth of view, open to him the world of beauty in nature and the great realms of the arts and crafts, train his taste, and give him a degree of skill." (H. T. Bailey.)

Mr. Frank A. Hill, secretary of the State Board of Education, says that art instruction may be judged from two standpoints, the objective and subjective. One gives the work of the classroom, the other the results found in the minds and hearts of the children. "To give artistic tone to the industries of the state we need two things. We need people who crave beautiful workmanship on the one hand; we need people who can supply the craving with beautiful workmanship on the other hand. When we have this demand and this supply we shall have a hopeful condition of things."

2. From this point of view of general culture, it seems equally valuable for all pupils. The attempt to do has its value, even to the less talented, as it leads to a better appreciation of others' good work, while for those with more skill it often influences their future.

3. Art training in the schools is akin to the study of literature. Some children will never read nor write fluently, even after years of training, but do we, for that reason, deny them the knowledge of the best literature?

Some pupils will never produce an artistic result, but is that any argument why they should not become familiar with the finest art of the world, why their taste should not be cultivated by this contact? This knowledge comes intuitively to very few. It is the result of training. "We want correction of mind back of the form of expression."

Are children in the grammar grades old enough to decide what studies are best for them? Do they realize that no education is complete which is one-sided; that the character which is touched on all sides is the well-rounded one?

For this reason alone, it seems necessary that all pupils should have the benefit of the art instruction throughout their course in the public schools.

4. The time given to drawing could be reduced in the primary grades. Already we have striven to make drawing the expression of thought in all study, rather than so many minutes a day set aside for drill. "Imported one-hour-a-week art is a failure. A spirit of beauty pervading every school exercise will give us beautiful handicraft in every department in our complex life." (H. T. Bailey.)

Respectfully,  
Mary L. Patrick.

Newtonville, December 20, 1900.

**Penmanship.** In May last, after an experience of less than two years with vertical writing, it was decided to abandon it in favor of writing with a forward slant of twenty-five degrees, to be executed with a combined forearm and finger movement. At that time the writing in all grades, considered simply as a product, was decidedly superior in uniformity, legibility, and general appearance to any obtained in our schools in the last twenty-five years. It was awkwardly produced, however, with cramped positions, and no attempt was made to secure what is called muscular movement.

In the system now in use there is little change in the form of the letters. The writing is round and open, capitals and loops being invariably twice the height of small letters. In the sixth, seventh, and eighth grades penmanship exercises are written with movement, with results ranging from crude to fairly good. School exercises, however, are written without movement. In the fourth and fifth grades drill exercises in movement are given, and a little attempt made to apply it in writing. School exercises, however, are written without movement and in poor form.

In the primary grades entire attention is centred on form, the position of the children being natural, but by no means ideal.

Attempts to secure movement-writing in the five lower grades will never be successful. Muscular movement presupposes muscles, and children in these grades have no muscles sufficiently developed to secure controlled movement along lines of prescribed form. They must continue to write as such children always have written, with little movement and in constrained positions. Long-continued practice will bear fruit in the eighth and ninth grades, but most of the intermediate school writing will be ragged in appearance and unconventional in its execution.

As has been said elsewhere in this report, the subject of penmanship has cost more discussion, effort, and time during the last few years than its educational value warrants. We spend twice as much time in instruction in this branch as Malden, for example. The Committee of Fifteen, whose judgment has become standard authority, recommends three lessons where we have four in the sixth and seventh years, and drops penmanship altogether as a subject of formal teaching in the last two grammar grades. The time spent upon it in our upper grades may be halved with profit, more emphasis being laid on the correlation of penmanship with the regular written exercises of the class.

**The Public Library and the Schools.** The relations of these two great educational forces grow more intimate year by year. The librarian and his associates have afforded every possible facility to both teachers and pupils. Especial privileges have been accorded to the latter; a competent assistant in the library gives her entire time to the school side of the work; reference books, with pages indicated bearing upon school lessons, are ready at hand; cards are issued to all pupils, irrespective of age; trans-

portation of books has been made to and from the more remote schools; special libraries of books selected by teachers, and most of which have been bought for the purpose, have been placed in many of the school buildings; and a room for the exclusive use of children, containing books directly accessible to them, has been provided in the library building. All this is of incalculable benefit in giving an acquaintance with books, in imparting information, in fixing the reading habit, and in fostering a taste for good literature. The thanks of teachers and pupils alike are due to the librarian and the trustees for the facilities which their courtesy and liberality have provided.

The number of volumes circulated through the schools during the year is 5,264. At the present time there are 112 libraries, containing 2,926 volumes, in the various school buildings. This places a circulating library of at least twenty-five books within immediate reach of 3,000 children.

It is gratifying to see that most teachers in the city are availing themselves of the opportunity and advantages afforded by these unusual library facilities to direct the reading of their pupils. Their efforts, in most cases, are heartily seconded by parents. Children need guidance, not only as to what they read, but as to how they read. Too much reading for mere pleasure, or for excitement only, is pernicious, as is also the "skimming habit." The over-reading of fiction is the easily besetting vice of present-day readers, young and old. The diet should be regulated. Teachers may well insist on a few good books being read, that they may be made the basis of language exercises in school by way of reproduction, review, outline, and statement of lessons taught. And it should always be borne in mind that not only are taste and habit formed by reading, but that character is influenced, as well. Every book read, good or bad, enters to greater or less degree into the life, and leaves the reader better or worse than before. Herein lies the golden opportunity of the teacher to furnish ideals for imitation and motives for right action.

**Evening Schools.** We spend about \$3,500 yearly for evening schools, the maintenance of which is required by statute. The necessity and importance of these schools, and, indeed, their value, when rightly conducted, cannot be questioned. The difficulties which surround the work, however, are serious, and not easily overcome. They are, briefly, as follows:—

1. Irregular attendance. Out of an enrollment of 500, we get an average attendance of 150. The illiterates, whose attendance the law compels, come constantly. The 300 gradually drop out, mainly from indifference and lack of interest. These are the very ones, however, that need the school the most,—boys from fourteen to eighteen. The secret of holding them is not in compulsion, but in making the school more attractive and valuable.

2. The difficulty of securing a permanent corps of teachers thoroughly trained for this peculiar work. This difficulty is al-

most insurmountable. Day school teachers have not adequate strength. Now and then a retired teacher may be found available. Our principals are taken from the ranks of grammar school masters, and are unsurpassed. We are obliged, however, to employ in general students who are working their way into a profession, and women who are engaged in other occupations, and who come somewhat fatigued to their work. The payment of larger wages would not secure the right sort of teachers, although it might help to do so.

3. The lack of rooms suitably arranged and equipped for the exclusive use of evening schools. We are compelled to use rooms belonging to day schools, the books, apparatus, and work of which preoccupy desks, tables, and blackboards. The material for the evening school pupils,—often that which the day school has discarded—must of necessity be distributed and collected each evening. Rooms for the exclusive use of these schools should be provided, one of which should be set apart in which books and current literature might be found where some students could spend a certain portion of the evening in reading. There should be an assembly room where the entire school could be gathered occasionally for ethical instruction, music, illustrated lectures, and entertainments arranged by the students themselves. Rooms should also be provided for manual training and for physical training. In this way an attractive variety would be presented and a school interest and pride awakened.

4. The difficulty of classification. Save in large schools, this is next to impossible without sacrificing the interests of economy or the needs of the individual pupil.

5. The fact that pupils come under the influence of the school for so short a time, and are without opportunity for home study. The only way of overcoming this difficulty is by lengthening the term. This would only be practicable under the ideal conditions above outlined.

It should be remarked that the success of the evening schools the present season, especially of that in the Bell School, has been exceptional, the attendance and interest having been unusually well sustained.

#### FACTS CONCERNING EVENING SCHOOLS, SEASON OF 1899-1900.

Enrollment of Elementary Schools . . . . .	470
Average Attendance . . . . .	141
Number of Sessions . . . . .	76 to 47
Entire Cost . . . . .	\$2,136 06
Per Capita Cost Based on Average Attendance . . . . .	15 14
Enrollment of Drawing School . . . . .	98
Average Attendance . . . . .	53
Number of Sessions . . . . .	46
Entire Cost . . . . .	\$1,334 30
Per Capita Cost Based on Average Attendance . . . . .	25 17

**Vacation Schools.** In the month of September careful enquiries were made of 8,600 children in the elementary schools con-

cerning the way in which they spent the nine weeks constituting the summer vacation. It was learned that 3,600, or forty per cent., of them were out of the city between three and four weeks each, on the average. The remaining 5,000 spent the entire time in the city, with possibly a day now and then at the beach or in the parks. Many of these remained at home from parental choice, and the rest under the stern compulsion of necessity.

It is fair to assume that large numbers were employed in some useful occupation, but hundreds, among them many children of misfortune and want, had nothing to do through the long summer days but to seek recreation or amusement wherever it might be found. For many the street furnished the only playground. Groveling in dirt, mingling with vicious associates, falling into idle habits, learning lessons of mischief and truancy, is it strange that these children become the most unteachable children in our schools? Is it not as much for the interest of the community to provide wholesome influences for these children during the midsummer months as during the remaining ten months of the year?

Such children and their needs have appealed so forcibly that many cities and towns throughout the country have established vacation schools for their benefit. At first these schools have been supported by the contributions of the philanthropic, but their value so soon becomes apparent that the responsibility of their management has been assumed by school authorities and the expense paid by public funds. New York City spent \$60,000 last year on vacation schools. They have proved remarkably successful in Philadelphia, Providence, Boston, and other cities. In Cambridge for several years these schools have been supplied by private generosity. In the summer of this year, however, an appropriation of \$2,000 was made, and 900 of the 1,600 children who had expressed their anxiety to attend "were taught for two hours daily for five or six weeks to use their hands, eyes, and ears in such a way as to be profitable to themselves and of advantage to the community."

The work of a vacation school differs materially from that of a day school. Attendance is purely voluntary. Two or three absences open the place to a waiting applicant. No books are used except for reading of a diverting and instructive nature. The leading employments are such as call into exercise the bodily activities of the children, the largest freedom consistent with the plan of work being allowed.

The younger children are given kindergarten occupations, with directed games, as far as possible in the open air.

The older children are given nature work, art work, sloyd, manual training, sewing, cooking, music, and gymnastic exercises with simple apparatus. Occasional excursions to the parks, or the beach, or the country are provided, under the charge of teachers and volunteer assistants.

Where vacation schools are not possible, well-arranged playgrounds, equipped with gymnastic apparatus, and under the direction of a person of tact and experience, may be furnished as substitutes.

The vacation school presupposes thoroughly-trained teachers, familiar with the work, and in full sympathy with child life. Some missionary spirit is needed to supplement the salary. Three such schools in Somerville would accommodate 600 children, divided between forenoon and afternoon sessions. As we are at present without the necessary equipment, ideal conditions cannot be attained at once. A beginning, however, could be made with one school, and the work extended as experience might dictate. It is hoped that the matter will be deemed of sufficient importance to receive the careful consideration of the School Board.

**School Hygiene.** In the main, the school buildings of Somerville are so constructed and cared for as to minister to the health and comfort of their occupants in a satisfactory manner. Mention has been made of three notable exceptions, Prospect Hill, Bennett, and Jackson buildings, which, let us hope, will soon be abandoned. The defective lighting of the Forster, Prescott, and Bell Schoolhouses is being slowly remedied. The coming year should see this important improvement completed.

The attendance of pupils during the year has been interrupted to an unusual degree by the prevalence of contagious diseases. The Pope and the Jackson Schools have been closed for two weeks on this account. Five teachers have been absent from duty from personal illness of this kind. The attendance of some classes has been greatly reduced for weeks at a time from this cause. The law requiring the quarantining of a household in which measles prevail interferes greatly, and perhaps needlessly, with school work. Occasionally, when members of a large family are prostrated successively with measles, the resulting absence jeopardizes promotion. The wisdom of this feature of the law is questioned in many quarters.

Teachers are vigilant and careful in excluding children whose physical condition furnishes ground for suspicion. It too frequently happens, however, that official notices concerning children who should be quarantined are received forty-eight hours after the outbreak of the disease, and that, where the family has representatives in different schools, not all schools are notified.

The recent action of the Committee in urging a system of daily medical inspection of schools will doubtless result in immediate action by the Board of Health. The plan provides for the visit of a physician at each school building every morning for the purpose of examining all children who may show infection of any sort or be in need of medical advice, and of taking steps for their isolation or proper care. The details of the system are not yet fully arranged, but will be announced in due season. As no more

effective means could possibly be suggested to prevent the spread of contagion, it is hoped that parents will cheerfully co-operate in whatever may be done, in the conviction that the only motive of action is the good of the child and the protection of the homes.

Attention has frequently been called in these reports to the importance of the examination of the eyes of school children. In Connecticut the law requires each teacher to make such examination of her pupils at the beginning of each fall term. Such tests, wherever made, show practically the same results, namely, large percentages of children with defective sight and in need of artificial helps. Under permission of the Board, an examination by teachers of the eyes of their pupils is now in progress. The test is similar to that used by oculists, but of course it is conducted without professional skill. Full returns have not yet been received, but the eyes of between five and six thousand pupils have thus far been tested. The result shows that twenty-eight per cent. have vision sufficiently defective to require attention. Children were required to read readily a line of letters at the distance of fifteen feet with both eyes and with each eye separately. Those who could read it only at a distance of ten feet or less were reported as defective. Very few children were found with absolutely normal sight, but those only have been counted as defective that fall below two-thirds of normal vision. Such cases have been reported to parents, and in many instances a professional examination has been made, with the happiest results. In other cases, however, parents are averse to employing medical skill, although they know their children are suffering for lack of it. "They say the child is too young to wear glasses, or he will outgrow the defect, or they are unable to bear the expense, or they simply neglect the whole matter. The consequences to the child are, however, too serious to be neglected. Many cases of nervousness, headache, dizziness, unaccountable restlessness and irritability, and even of positive dislike of study and of school may be traced to defective sight and to the consequent strain upon the whole nervous organism. Case after case has been disclosed of children with serious defects in one eye, or both, which have never been suspected by parents or teachers."

Teachers are enjoined to take every precaution to prevent the overstraining or misuse of the eyes of their pupils. Every available ray of light should be admitted, blackboard writing should be very distinct and visible at a proper angle, books and seatwork should be at normal distance from the eyes, and on dark days eye-work should be entirely suspended.

"The subject of the hearing of school children is also beginning to receive the attention it deserves, and investigations in many places have tended to establish the following points:—

1. At least one child out of every five has some defect in one or both ears.
2. In the majority of cases neither parent, teacher, nor child is aware of the defect.

3. Children defective in hearing are usually counted careless, inattentive, or positively stupid by parents and teachers, who are ignorant of the real cause. Such children are often kept two or more years in the same grade, and, being the largest children, are not infrequently given seats in the rear of the room, where their chances of hearing are reduced to a minimum. This point is so important that it deserves special notice. Out of 961 children examined in two cities, 176 were found to have defective hearing, while only two out of the 176 were known to be deaf by their teachers.

4. A child who is hard of hearing can hear better at certain times than at others. This fact often leads parents and teachers to misjudge a child. The remark is often heard, 'Don't tell me Johnnie is deaf, he can hear as well as anybody when he wants to.'

5. It is estimated that ninety per cent. of the cases of defective hearing can be cured if taken in time."

It is hoped that the establishment of the expected system of medical inspection will result in the disclosure of all physical defects in school children, and lead to their remedy when possible.

**Who is Responsible?** A generation of school children have passed through the thirteen grades of our public schools, and have received the instruction provided by law concerning the injurious effect of narcotics and stimulants. This instruction has been repeated and reiterated over and over again. Notwithstanding, the use of tobacco by boys and young men, particularly in its most pernicious form, cigarettes, has steadily increased, and to-day assumes alarming proportions. Smoking by boys is now done in the open, not clandestinely, as formerly. They are not infrequently seen smoking on their way to school, and even on school premises, while it is not uncommon to find large numbers practicing the vice on playgrounds and in the streets. Who is responsible? Teachers seem to have done everything in their power in the way of instruction. Parents recognize the evil, condemn it, but in many cases are powerless to prevent it. It has been thought necessary to call in the civil power to reinforce the authority of weak or negligent parents in keeping their children off the streets after nine o'clock. Why not help them in other directions? A law is on the statute books prohibiting the sale of cigarettes to children under sixteen years of age. Why should not extreme effort be made to enforce this prohibition? Indeed, the absolute prohibition of the sale of cigarettes to any one in the city would work no hardship commensurate with the good it might accomplish.

The question is not one of morals simply, but is closely connected with the mental vigor and progress of the boy. No fact is better established than that the use of tobacco by a growing student interferes seriously with school work. Some institutions of learning refuse to receive tobacco users. One Western town has made a rule prohibiting the admission to its schools of any person



using tobacco in any form. The remedy lies chiefly with parents, but the attitude of all school authorities should be one of emphatic condemnation. Certainly their active influence should be combined with that of good citizens everywhere for the suppression of a vice the growth of which cannot fail to result in impaired health and vigor, physical, intellectual, and moral.

**Suggestions Summarized.** It may serve the purpose of convenience if we group together suggestions of what may be done during the coming year to the advantage of the schools.

1. Some provision should be made for the better accommodation of the High Schools.
2. An additional schoolhouse should be provided in Ward 7.
3. A new building in Ward 1 should replace the three antiquated wooden structures that have done duty so long.
4. Schoolhouse grounds should be made attractive by curbing, lawns, and flower beds maintained at public expense.
5. All schoolrooms should be provided with adjustable furniture.
6. The work of providing additional light for dark rooms should be completed.
7. Voting booths should render the use of schoolhouses on election days needless.
8. The establishment of vacation schools at public expense should be begun.
9. The question of the extension of kindergartens, or their merging with first primary grades, should be carefully considered.
10. Provision should be made for instruction in manual training and in cooking.
11. Possible changes in the course of study should be discussed.
12. The hearing of school children should be carefully tested.
13. The improvement of evening schools should be considered, and an evening high school opened.

On the part of teachers especial effort should be made:—

1. To individualize instruction and to adapt requirements to the varying conditions of health, capacity, and environment.
2. To cultivate the power of attention, of concentration, of independent investigation and conclusion, and the spirit of self-reliance.
3. To develop the moral nature, to teach self-control, to secure right conduct by presenting right motives and worthy examples.

**The Outlook.** The rapid growth of Somerville during the last decade is doubtless largely attributable to its desirability as a residence. Chief among the advantages it presents in this direction is the reputed excellence of its public schools. This is a matter of just pride to its citizens. One factor of this excellence is that

they receive such generous confidence and support. Bonds and sureties are exacted of officials having in charge financial trusts, but far more valuable interests are committed to the hands of our teachers by parents and the public, with no surety but their honor. It is worthy of remark that this confidence is rarely abused.

It is, however, the right and duty of all citizens to hold those who are responsible for our schools to a rigid accountability. The large expenditures annually made for their support would alone justify this, but the momentous character of other interests involved renders this duty imperative. Inquiries and investigations are always in order. Intelligent criticism should not be withheld. It must not be forgotten, however, that such criticism is based on exact knowledge of facts and on a thorough acquaintance with underlying principles of education; that it is not narrowed by prejudice or self-interest; that it regards the diversity of the demands; and that it is controlled by what shall seem to be the greatest good of the greatest number. One's point of view naturally affects his judgment. To this man the ideal school is the one that best qualifies its graduates to conduct his special business. To another it is the school in which his boyhood was spent, idealized, perhaps, by the lapse of time and the memory of some gifted teacher. This critic sees that thirty or forty graduates enter college each year, and demands that courses shall be modified to facilitate their progress, whatever may be the needs of the large majority. One demands fewer studies, more moderation, greater thoroughness, another asks for a wider range, a greater diversity, more culture; one holds the school largely responsible for moral conduct in the community, and his opponent feels that something should be left to the home, the church, and the civil authority.

Due weight should be given to all these opinions, but it is evident that no one of them should be allowed to control action. As has been said elsewhere, the ideal school is in process of evolution. Its present status is the result of the best thought and experience of those who have made the study of educational problems the work of a lifetime. But perfection has not yet been reached. Important and difficult problems remain to be solved. To their solution we must contribute our share, and be ready to welcome any changes or burdens that shall fit our schools the better to train children in the ways of knowledge, wisdom, and virtue.

We stand to-night on the threshold of a new century, facing new duties, new opportunities, new blessings. Let it be with a faith that the past is prophetic of the future. A century of marvelous progress in all that promotes civilization and makes life better worth living is behind us. But the best is yet to be. The same courage, the same high purpose, the same honest endeavor, the same hearty co-operation that has made the past secure will exalt and crown the future. Let us beware the spirit of complacency that precludes the outreach for better things. Let us

be on the watch, not for the new alone, but for the best. Let the standard of attainment be higher and higher. Let all the forces that make for enlightenment, for purity, for righteousness, come into closer alliance. Let us seek to promote the education that creates and realizes ideals, that strengthens the will, that overcomes obstacles, that quickens the conscience, that refines, elevates, and enriches character, that leads to self-sacrifice and altruistic endeavor. So shall the youth of to-day, the citizens of tomorrow, be prepared to render with skill and honor whatever service the welfare of the state or the good of their fellowmen may demand.

In conclusion, the Superintendent wishes to express his grateful appreciation of the zeal and fidelity with which supervisors, principals, and teachers have labored for the success of the schools, to extend his thanks to the members of the Board for their generous forbearance and support, and to acknowledge the obligations which the schools are under to the local press and to the citizens of Somerville in general for the sympathy and cooperation which have rendered more effective whatever service has been rendered.

Respectfully submitted,

G. A. SOUTHWORTH.

Somerville, December 31, 1900.

## ORGANIZATION OF SOMERVILLE SCHOOLS.

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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, Jackson, Prospect-hill, 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 the twenty-three 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 4,113 pupils, 38.1 per cent. of whom are in the first grade, 32.1 per cent. in the second, and 29.8 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.

Teachers with classes numbering fifty-six 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.

Nine hundred ninety-six pupils were promoted into the fourth grade in June last, at an average age of nine years three months. Four hundred and thirty-four were graduated in June.

at an average age of fifteen years five months. There are at the present time (December, 1900) 5,058 in the grammar schools, divided among the grades as follows:—

Fourth . . .	1,109,	21.7 per cent.	Seventh . . .	756,	14.9 per cent.
Fifth . . . .	1,111,	22.0 " "	Eighth . . .	641,	12.7 " "
Sixth . . . .	920,	18.2 " "	Ninth . . . .	521,	10.3 " "

The average number to a teacher is 44.8.

The salaries of grammar school teachers are the same as those of primary teachers. Masters are paid \$1,900, and their assistants \$725.

*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 1900 less than one 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. Ninety-four were thus promoted in 1900.

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

The course of study in this school is determined chiefly by the requirements of Harvard University. Its graduates find ready admission to any college. The head master's certificate of qualification is honored wherever examinations are not required.

Special courses are marked out to meet the wants of those pupils who desire special preparation for college or professional schools.

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

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.

Each student is required to take at least fifteen periods of prepared and five periods of work that requires no previous preparation. Unprepared work consists of drawing,—optional after the first year,—elocution, ethics, and music,—required throughout the four years,—manual training and typewriting,—optional. English language and literature, and composition, together with

history, are compulsory studies throughout the course. Algebra and geometry are required during the first and second years.

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 assistant \$1,350.

*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, \$600, and \$500.

*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 \$1,500 for four days' service. This sum also provides the orchestral music needed at graduation exercises. The books used are "The Euterpean" and "The Cecilian Series of Music and Song." Nos. 3 and 4.

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 twelve days. She is paid \$900. The Normal System of Music, with its books and charts, is used.

*Gymnastics.*—In the English High School twelve minutes are taken daily for free gymnastics, under the general direction of the teacher of elocution. 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 312 cases in 1899, and 270 in 1900.

*Drawing.*—A special teacher of drawing is employed in the English High School, at a salary of \$900. In that school free-hand drawing is compulsory for first-year pupils, and elective for all others. Drawing is not taught in the Latin 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 eight lower grades of the elementary schools, the Smith system being used. The Wells Natural Movement method of slant writing is taught in the ninth grade. No copy books are used. The supervisor visits each class once in three weeks, and receives \$1,200.

*Student Teachers.*—At the present time one student teacher is employed in each high school. They are graduates of college or technical schools, and serve without pay, under the direction of the head master. A secretary and librarian is employed in each High School, at a salary of \$500.

*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 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, 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, \$1.50, or \$1 each evening.

*Truants.*—The city employs one active truant officer, who is paid \$1,100. Truants are sent to the county truant school at North Chelmsford. There are now six 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.

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

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TABLE 1.—SCHOOLHOUSES.

	NAME.	No. of Classrooms.	Size of Lot.	Valuation.	When built.	No. of years used.	Enlargements.
1	Latin High . . . .	a4	.....	\$56,000	1871	29	
2	English High . . .	b15	.....	141,579	1895	5	
3	Prescott . . . . .	12	21,444	47,000	1867	33	
4	Edgerly . . . . .	12	26,428	47,000	1871	29	{ 4 rooms added 1882 4 rooms added 1892
5	Bell . . . . .	12	23,393	47,000	1874	26	
6	Knapp . . . . .	13	24,517	50,257	1889	11	4 rooms added 1894
7	Pope . . . . .	12	27,236	62,000	1891	9	
8	Forster . . . . .	19	28,999	83,000	1866	34	6 rooms added 189
9	Glines . . . . .	14	28,800	73,661	1891	9	5 rooms added 189
10	Morse . . . . .	12	29,109	47,000	1869	31	6 rooms added 1890
11	Carr . . . . .	15	21,400	64,000	1898	2	
12	Highland . . . . .	12	23,260	55,000	1880	20	4 rooms added 1891
13	Hodgkins . . . . .	12	35,034	60,789	1896	4	
14	Bingham . . . . .	8	21,017	37,907	1886	14	4 rooms added 1894
15	Burns . . . . .	8	16,080	35,700	1886	14	4 rooms added 1899
16	Prospect Hill . . .	6	25,313	21,000	1848	52	4 rooms added 1865
17	Perry . . . . .	6	46,080	40,000	1899	1	
18	Hanscom . . . . .	6	12,756	44,532	1897	3	
19	Bennett . . . . .	4	20,560	10,600	1868	32	
20	Jackson . . . . .	4	11,212	8,600	1861	39	
21	Davis . . . . .	4	38,152	25,700	1884	16	
22	Cummings . . . . .	4	11,300	15,700	1884	16	
23	Durell . . . . .	4	13,883	16,879	1894	6	
24	Lincoln . . . . .	4	17,662	14,700	1885	15	
	Total . . . . .	222	.....	\$1,105,604	....	..	

(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, 1900.

SCHOOLS.	Teachers.	Care.	Supplies.	Total.
Latin High . . .	\$12,713 38	\$1,683 29	\$1,062 37	\$15,459 04
English High . . .	32,376 45	3,270 71	3,105 71	38,752 87
Prescott . . . .	10,492 06	1,564 28	683 76	12,740 10
Hanscom . . . .	4,519 44	828 68	244 07	5,592 19
Davis . . . . .	2,735 07	532 12	151 23	3,418 42
Bennett . . . . .	2,719 55	303 24	173 66	3,196 45
Jackson . . . . .	3,078 47	348 18	112 15	3,538 80
Knapp . . . . .	10,837 73	1,461 46	782 37	13,081 56
Perry . . . . .	4,245 97	958 06	299 30	5,503 33
Pope . . . . .	10,194 98	1,487 29	686 31	12,368 58
Prospect Hill . . . .	4,107 37	642 65	354 04	5,104 06
Bell . . . . .	10,215 72	1,588 49	690 52	12,494 73
Cummings . . . . .	2,714 57	468 43	149 57	3,332 57
Edgerly . . . . .	10,216 59	1,325 93	710 05	12,252 57
Glines . . . . .	11,960 90	1,776 29	640 68	14,377 87
Forster . . . . .	14,342 37	2,531 84	1,280 72	18,154 93
Bingham . . . . .	6,088 64	870 40	270 71	7,229 75
Carr . . . . .	12,634 92	1,988 60	767 39	15,390 91
Morse . . . . .	10,441 06	1,381 91	769 21	12,592 18
Durell . . . . .	2,721 76	865 30	179 63	3,766 69
Burns . . . . .	6,236 04	1,080 91	404 82	7,721 77
Highland . . . . .	10,360 00	1,588 95	890 47	12,839 42
Hodgkins . . . . .	10,400 75	1,706 83	787 79	12,895 37
Lincoln . . . . .	3,006 50	682 75	213 63	3,902 88
Evening . . . . .	3,503 00	868 22	324 35	4,695 57
Totals . . . . .	\$212,863 29	\$31,804 81	\$15,734 51	\$260,402 61

TABLE 3.—PER CAPITA COST OF MAINTAINING SCHOOLS, 1900.

SCHOOLS.	Teachers.	Care.	Supplies.	Total.
Latin High . . .	\$49 85	\$6 60	\$4 16	\$60 61
English High . . .	47 68	4 82	4 57	57 07
Prescott . . .	19 53	2 91	1 27	23 71
Hanscom . . .	17 21	3 17	93	21 31
Davis . . .	16 57	3 22	91	20 70
Bennett . . .	18 25	2 04	1 16	21 45
Jackson . . .	18 65	2 11	68	21 44
Knapp . . .	18 59	2 51	1 34	22 44
Perry . . .	15 38	3 47	1 08	19 93
Pope . . .	20 55	3 00	1 38	24 93
Prospect Hill . . .	19 37	3 03	1 67	24 07
Bell . . .	19 49	3 03	1 31	23 83
Cummings . . .	16 86	2 91	93	20 70
Edgerly . . .	19 79	2 57	1 37	23 73
Glines . . .	19 86	2 95	1 06	23 87
Forster . . .	18 72	3 32	1 67	23 71
Bingham . . .	17 49	2 50	77	20 76
Carr . . .	18 49	2 91	1 12	22 52
Morse . . .	19 33	2 56	1 42	23 31
Durell . . .	15 55	4 94	1 02	21 51
Burns . . .	15 90	2 76	1 03	19 69
Highland . . .	16 70	2 56	1 43	20 69
Hodgkins . . .	19 73	3 24	1 49	24 46
Lincoln . . .	15 82	3 59	1 12	20 53
High Schools . . .	\$48 28	\$5 30	\$4 46	\$58 04
Gram. and Primary . . .	18 87	3 02	1 30	23 19
All Schools . . .	21 67	3 24	1 60	26 51

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	\$4,000	\$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

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

**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

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

1842 . . .	1,013	1870 . . .	14,693	1890 . . .	40,117
1850 . . .	3,540	1875 . . .	21,594	1895 . . .	52,200
1860 . . .	8,025	1880 . . .	24,985	1900 . . .	61,643
1865 . . .	9,366	1885 . . .	29,992		

## SCHOOL CENSUS, 1900.

	Population U. S. Census.	Children 5 to 15 School Census.
Ward 1 . . . . .	10,047	1,717
Ward 2 . . . . .	12,066	2,461
Ward 3 . . . . .	7,088	979
Ward 4 . . . . .	6,818	956
Ward 5 . . . . .	9,022	1,693
Ward 6 . . . . .	8,934	1,497
Ward 7 . . . . .	7,668	1,163
Total . . . . .	61,643	10,466

Number between 5 and 15 found in public schools	October 1	8,792
“ “ 5 “ 15 “ “ parochial “	October 1	1,351
“ “ 5 “ 15 “ “ not in school	October 1	323

Total in the city 10,466  
 males 5,202  
 females 5,264

Number of compulsory school age, 7 to 14 :—			
Number in public schools,	males	3,095	
	females	3,115	
			6,210
Number in parochial schools	males	521	
	females	560	
			1,081
Total . . . . .			7,291

TABLE 8.—ATTENDANCE OF THE PUBLIC SCHOOLS, 1900.

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 . . .	271	255	244	95.7	254	279	
15	English . . .	747	679	642	94.5	683	729	
12	Prescott . . .	709	537	505	94.1	552	570	47.5
6	Hanscom . . .	381	262	241	93.0	275	267	44.0
4	Davis . . .	231	165	151	91.3	177	176	44.0
4	Bennett . . .	249	149	137	91.9	186	164	41.0
4	Jackson . . .	234	165	145	91.2	156	158	36.0
13	Knapp . . .	763	583	535	94.5	600	561	43.1
6	Perry . . .	387	276	257	92.8	289	287	47.8
12	Pope . . .	609	496	467	94.2	505	539	44.8
6	Prospect Hill . . .	283	212	192	92.4	207	239	40.0
12	Bell . . .	656	524	494	94.3	542	549	45.6
4	Cummings . . .	222	161	148	92.0	172	182	45.5
12	Edgerly . . .	603	516	487	94.5	518	554	46.2
14	Glines . . .	788	602	561	94.1	616	624	41.6
19	Forster . . .	893	766	723	94.3	762	822	46.0
8	Bingham . . .	462	348	325	93.4	340	370	46.0
15	Carr . . .	753	683	629	92.5	678	686	45.7
12	Morse . . .	664	540	505	94.0	527	591	46.0
4	Durell . . .	237	175	162	92.1	187	181	45.2
8	Burns . . .	510	392	365	93.0	389	433	54.1
12	Highland . . .	731	620	586	94.9	569	626	52.2
12	Hodgkins . . .	688	527	499	94.8	556	582	48.5
4	Lincoln . . .	274	190	174	91.5	200	196	49.0
222	Total . . .	12,345	9,823	9,174	93.4	9,940	10,365	46.1
219	Total for 1899 . . .	11,975	9,502	8,965	94.3	9,538	10,075	45.6

		1899.	1900.
Cases of Tardiness . . . . .		2,566	2,759
“ Dismissals . . . . .		1,599	1,515
“ Corporal Punishment . . . . .		312	270



**TABLE 9.—STATISTICS OF HIGH SCHOOLS FOR SCHOOL YEAR, SEPTEMBER 5, 1899, TO JUNE 30, 1900.**

	Latin.	English.	Both.
Number of days school kept . . . . .	182	182	182
Number enrolled . . . . .	270	746	1,016
Average number belonging . . . . .	245	669	914
Average daily attendance . . . . .	235	635	870
Per cent. of attendance . . . . .	95.7	94.9	95.1
Tardiness . . . . .	87	122	209
Dismissals . . . . .	105	93	198
In Class I. September . . . . .	65	316	381
June . . . . .	57	270	327
Per cent. of loss . . . . .	12	14	14
In Class II. September . . . . .	74	165	239
June . . . . .	66	140	206
Per cent. of loss . . . . .	11	15	13.8
In Class III. September . . . . .	66	127	193
June . . . . .	63	114	177
Per cent. of loss . . . . .	4	10	8.2
In Class IV. September . . . . .	49	100	149
June . . . . .	49	97	146
Per cent. of loss . . . . .	0	3	2
Special Students . . . . .	6	27	33
Total, September . . . . .	*254	*708	962
June . . . . .	235	621	856
Per cent. of loss . . . . .	7	12	11
Number of graduates, male . . . . .	15	25	40
Number of graduates, female . . . . .	33	58	91
Total . . . . .	48	83	131
Average age, male . . . . .	18-1	18-7	18-5
Average age, female . . . . .	18-6	19-1	18-10
Number of graduates entering college . . . . .	31	5	36
Number of graduates entering M. I. T. . . . .	0	5	5
Number of graduates entering normal schools . . . . .	0	6	6
Cost of instruction . . . . .	\$12,491 00	\$31,322 00	\$43,813 00
Cost of supplies and equipment . . . . .	534 67	3,836 59	4,371 26
Total cost . . . . .	13,025 67	35,158 59	48,184 26
Per capita cost of instruction . . . . .	50 98	46 82	47 93
Per capita cost of supplies and equip- ment . . . . .	2 18	5 73	4 78
Total cost per capita . . . . .	53 16	52 55	52 72

\* Specials not included.

TABLE 10. — PUPILS BY GRADES, 1900.

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 . . .	....	....	....	24	41	65	18	5	.....	.....	2
"	Twelfth . . .	....	....	....	23	41	64	17	1	.....	2	2
"	Eleventh . . .	....	....	....	25	22	47	16	4	.....	4	4
"	Tenth . . .	....	....	....	58	45	103	15	3	.....	92	9
	Total . . .	3	6	....	130	149	279	...	.....	.....	98	17
English	Special . . .	....	....	....	2	17	19	20	9	.....	4	6
"	Thirteenth . . .	....	....	....	32	76	108	18	6	.....	3	2
"	Twelfth . . .	....	....	....	49	86	135	17	3	.....	4	3
"	Eleventh . . .	....	....	....	87	134	221	16	6	.....	1	7
"	Tenth . . .	....	....	....	91	155	246	15	8	.....	227	30
	Total . . .	9	22	....	261	468	729	...	.....	.....	239	48
	Total High School . . .	12	28	....	391	617	1,008	...	.....	.....	337	65
Grammar	Ninth . . .	9	13	....	255	266	521	14	10	.....	19	21
"	Eighth . . .	....	16	....	292	349	641	14	.....	.....	23	50
"	Seventh . . .	....	18	....	381	375	756	13	1	...	77	77
"	Sixth . . .	....	20	....	451	469	920	12	2	.....	177	107
"	Fifth . . .	1	23	2	549	562	1,111	11	1	.....	300	121
"	Fourth . . .	....	25	....	560	549	1,109	10	.....	.....	126	148
	Total Grammar . . .	10	115	2	2,488	2,570	5,058	....	.....	.....	722	524
Primary	Third . . .	....	28	....	630	597	1,227	8	9	.....	151	168
"	Second . . .	....	29	....	673	646	1,319	7	6	1	186	201
"	First . . .	....	34	....	834	733	1,567	6	2	1,022	175	293
	Total Primary . . .	....	91	....	2,137	1,976	4,113	....	.....	1,023	512	667
	Total Grammar and Primary . . .	10	206	2	4,625	4,546	9,171	....	.....	1,023	1,234	1,191
	Kindergarten . . .	....	4	4	96	90	186	4	9	232	1	2
	Special Teachers . . . .	2	5	....	.....	.....	.....	....	.....	.....	.....	.....
	Grand Totals	24	243	6	5,112	5,253	10,365	...	.....	1,255	1,572	1,258

TABLE 11.—PUPILS IN HIGH AND GRAMMAR SCHOOLS.

	High Schools.	Grammar and Primary Schools.	Kinder- gartens.	Total.
Annual enrollment . . . . .	1,018	10,927	400	12,345
Average membership . . . . .	934	8,689	200	9,823
Average attendance . . . . .	886	8,124	164	9,174
Per cent. of attendance . . . . .	94.8	93.5	82.0	93.4
Number cases of tardiness . . . . .	224	2,535	...	2,759
Number cases of dismissal . . . . .	252	1,347	...	1,599
Number cases of punishment . . . . .	...	270	...	270
Membership, January, 1900 . . . . .	937	8,778	225	9,940
Membership, December, 1900 . . . . .	1,008	9,170	186	10,364
Average number to a teacher . . . . .	25.2	44.5	23.2	40.5

TABLE 12.—ADMISSIONS TO FIRST GRADE IN SEPTEMBER, 1898, 1899, AND 1900.

SCHOOLS.	1898.	1899.	1900.	Under five in Sep- tember, 1898.	Under five in Sep- tember, 1899.	Under five in Sep- tember, 1900.
Prescott . . . . .	37	53	56	9	8	3
Hanscom . . . . .	45	57	56	12	13	..
Davis . . . . .	26	34	27	4	8	..
Bennett . . . . .	27	47	41	4	4	2
Jackson . . . . .	22	28	14	..	..	..
Knapp . . . . .	59	63	73	17	9	3
Perry . . . . .	15	51	42	6	5	..
Pope . . . . .	22	37	42	1	4	1
Prospect Hill . . . . .	17	30	29	..	2	..
Bell . . . . .	27	32	43	1	1	..
Cummings . . . . .	33	37	31	9	4	1
Edgerly . . . . .	26	32	24	2	2	1
Glines . . . . .	65	69	70	4	5	..
Forster . . . . .	42	71	69	9	12	1
Bingham . . . . .	53	60	65	6	6	1
Carr . . . . .	49	52	50	3	7	3
Morse . . . . .	58	66	64	11	4	1
Durell . . . . .	25	46	34	2	8	1
Burns . . . . .	42	67	64	3	19	..
Highland . . . . .	43	47	77	4	1	1
Hodgkins . . . . .	51	60	61	6	10	..
Lincoln . . . . .	46	44	33	6	4	2
Total . . . . .	830	1,083	1,065	119	136	21

TABLE 13.—GRAMMAR SCHOOL GRADUATES, 1900.

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 . . .	36	..	32	..	9	1	11	1	20
Knapp . . .	34	3	27	..	2	2	14	2	16
Pope . . .	44	6	38	1	6	4	15	5	21
Bell . . .	45	..	45	..	11	..	29	..	40
Edgerly . . .	47	9	38	..	4	4	21	4	25
Glines . . .	36	2	31	..	7	1	17	1	24
Forster . . .	43	7	35	1	14	4	20	5	34
Carr . . .	33	2	30	2	7	..	14	2	21
Morse . . .	31	5	24	1	7	3	18	4	25
Highland . . .	43	2	41	..	12	2	22	2	34
Hodgkins . . .	42	6	34	..	8	4	19	4	27
Outside . . .	..	..	..	..	12	*29	†15	*29	27
Total . . .	434	42	375	5	99	54	215	59	314

† From English High School.

\* From other schools (outsiders always conditional).

TABLE 14.—TRUANT STATISTICS.

	1896.	1897.	1898.	1899.	1900.
Number of visits of officer to schools . . .	364	427	415	538	501
Absences investigated . . . . .	312	342	411	448	470
Cases of truancy . . . . .	116	110	135	158	105
Truants arrested . . . . .	16	10	7	6	6
Sent to Truant School . . . . .	8	8	6	6	4
Number released during year . . . . .	..	..	8	5	5
Number now in Truant School . . . . .	..	..	9	7	4

**TABLE 15.—ATTENDANCE IN ELEMENTARY EVENING SCHOOLS, SEASON OF 1899-1900.**

		Prescott.	Bell.	Highland.	Total.
Enrolled . . . . .	Male	40	326	27	393
	Female	16	46	15	77
	Total	56	372	42	470
Ave. Membership . . . . .	Male	30	108	16	154
	Female	14	28	8	50
	Total	44	136	24	204
Ave. Attendance . . . . .	Male	24	69	11	104
	Female	11	19	7	37
	Total	35	88	18	141
Per cent. Att. out of No. Belonging . . . . .	. . . . .	79.5	64.7	75.0	69.1
Per cent. Att. out of Enrollment . . . . .	. . . . .	62.5	23.6	42.8	30.0
No. of Teachers . . . . .	Male	2	4	1	8
	Female	1	6	1	7
	Total	3	10	2	15
No. of Sessions . . . . .	. . . . .	76	76	47	199
Teachers, cost of . . . . .	. . . . .	\$425 50	\$1,095 00	\$233 50	\$1,754 00
Janitors and supplies, cost of . . . . .	. . . . .	113 49	210 77	57 80	382 06
	Total	\$538 99	\$1,305 77	\$291 30	\$2,136 06
Per evening . . . . .	. . . . .	\$7 09	\$17 18	\$6 19	\$10 73
Per pupil in average membership . . . . .	. . . . .	12 24	9 60	12 13	10 47
Per pupil in average attendance . . . . .	. . . . .	15 39	15 97	16 18	15 14

Average attendance: — October . . . . . 189      November . . . . . 158  
 December . . . . . 136      January . . . . . 98      February . . . . . 86

**TABLE 15-A.—EVENING DRAWING SCHOOL,  
SEASON OF 1899-1900.**

		Industrial.	Freehand.	Total.
Enrolled . . . . .	Male	79	10	89
	Female	..	9	9
	Total	79	19	98
Ave. Membership . . . . .	Male	50	9	59
	Female	..	8	8
	Total	50	17	67
Ave. Attendance . . . . .	Male	40	7	47
	Female	..	6	6
	Total	40	13	53
Per cent. of Attendance out of Number Belonging . . . . .	Male	80.0	77.7	79.6
	Female	..	75.0	75.0
	Total	80.0	76.4	79.1
Per cent. of Attendance out of Enrollment . . . . .	Male	50.6	70.0	52.8
	Female	..	66.6	66.6
	Total	50.6	68.4	54.0
No. of Teachers . . . . .	Male	4	..	4
	Female	..	2	2
	Total	4	2	6

Cost of Instruction . . . . .	\$987 00
Cost of Supplies, Janitors, and Light . . . . .	347 30
Total cost . . . . .	\$1,334 30
Cost per Capita (Average Membership) . . . . .	19 91
Cost per Capita (Average Attendance) . . . . .	25 17
Number of Sessions . . . . .	46
Average Attendance:—	
October . . . . .	71
November . . . . .	64
December . . . . .	50
January . . . . .	45
February . . . . .	45
March . . . . .	43

**TABLE 16. — GRAMMAR SCHOOL GRADUATES**  
FOR A SERIES OF YEARS.

YEAR.	Prescott.	Bell.	Forster.	Morse.	Highland.	Ederly.	Pope.	Knapp.	Hodgkins.	Glines.	Carr.	Total.	Average Membership of Grammar and Primary Schools.	Per cent. of Average Membership Graduating.	Entered High School	Per cent. entering of those Graduating.
1885	51	73	28	30	29			39	45	27	38	211	4,584	4.60	155	73.46
1886	60	66	26	23	22			38	41	35	38	197	4,635	4.25	133	67.51
1887	52	67	28	37	37			32		37	35	221	4,849	4.56	146	66.06
1888	54	64	34	41	50			35		36	34	243	5,109	4.75	156	64.19
1889	59	91	48	42	41			34		37	30	281	5,568	5.04	169	60.14
1890	54	106	45	56	57	39		39		39	33	318	6,062	5.24	184	57.86
1891	44	73	41	55	44			36		37	30	296	6,035	4.90	199	67.23
1892	41	36	75	49	45	46		38		32	37	370	6,525	5.67	228	61.62
1893	40	60	48	63	67	46		36		35	36	398	6,674	5.97	240	60.30
1894	39	29	79	66	68	41		32		32	34	389	6,600	5.89	253	65.04
1895	36	32	58	63	73	42		34		35	37	374	6,955	5.37	255	68.18
1896	38	34	72	38	70	46		35	45	27	38	370	7,201	5.13	281	76.00
1897	34	39	50	48	41	29		25	41	35	39	368	7,602	4.84	273	74.19
1898	36	39	31	46	36	50		28	41	35	35	392	8,029	4.75	281	73.56
1899	37	50	62	48	49	40		34	39	37	36	468	8,351	5.60	345	73.72
1900	36	45	43	31	43	47		34	42	36	33	434	8,689	4.99	317	73.00
	711	908	768	736	772	429	324	299	167	135	71	5,320	101,399	5.24	3,555	66.80

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



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

TABLE 19.—PROMOTIONS FOR SCHOOL YEAR ENDING  
JUNE 30, 1900.

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	1,531	1,059	98	374	8	1	2
II	1,256	1,006	95	155	41	3	5
III	1,127	907	101	119	5	8	17
IV	1,098	884	112	102	3	1	16
V	963	785	88	90	11	3	13
VI	816	634	102	80	10	6	7
VII	671	515	97	59	7	4	7
VIII	573	440	80	53	10	4	3
IX	445	375	42	28	..	3	2
Total	8,480	6,605	815	1,060	95	33	72

Percentage of Promotions for School Year Ending June 30, 1900

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	69.2	6.4	24.4	0.5	0.06	0.13
II	100	80.0	7.5	12.5	3.2	0.23	0.39
III	100	80.4	8.9	10.7	0.4	0.70	1.50
IV	100	80.5	10.2	9.3	0.2	0.09	1.45
V	100	81.5	9.1	9.4	1.1	0.31	1.35
VI	100	77.7	12.5	9.8	1.2	0.73	0.85
VII	100	76.7	14.4	8.9	1.0	0.59	1.04
VIII	100	76.7	13.9	9.4	1.7	0.69	0.52
IX	100	84.2	9.4	6.4	..	0.67	0.45
Total	100	77.8	9.6	12.6	1.1	0.38	0.84

TABLE 20.—RESIGNATIONS OF TEACHERS, 1900.

SCHOOL.	Teacher.	Time of Resignation.	In Service.
English High.	George J. Pfeiffer.	April 30.	11 months.
Carr . . . .	Charlotte Jepson	"	1 year.
Davis . . . .	Frances W. Meldrum.	"	4 years.
Forster . . . .	Mary J. Richardson.	"	5 "
Sewing Tchr.	Sarah I. Stanton.	"	5 "
Edgerly . . . .	Maria A. True.	May 28.	5 "
Bell . . . . .	Edith J. Holden.	"	7 "
Forster . . . .	Sarah L. Copeland.	"	4 "
Carr . . . . .	Blanche E. Townsend.	"	2 "
Knapp . . . . .	Florence M. Gooding.	"	3 "
Morse . . . . .	Helen M. Mead.	June 25.	7 "
Knapp . . . . .	Emma Frye.	"	10 "
Prospect Hill	Blanche Seabury.	Sept. 24.	8 "
Perry . . . . .	Emma F. Bradley.	"	4 "
English High.	William H. Godfrey.	Nov. 26.	4 months.
Highland . . .	Mabel A. Jepson.	"	8 years.

TABLE 21.—TEACHERS ELECTED IN 1900.

SCHOOL.	Teacher.	Coming From	Date.	Salary.
English High .	William H. Godfrey	Needham.	April 30.	\$1,400
English High .	Susanna B. Harrington.	Somerville.	"	500
English High .	Bertha A. Raymond.	"	"	500
Carr . . . . .	Grace T. Merritt.	"	"	600
Forster . . . .	Edith T. Crabtree.	Longmeadow.	"	650
Forster . . . .	Cora J. Demond.	Everett.	"	650
Sewing Teacher	Emma J. Ellis.	Somerville.	"	600
Sewing Teacher	Bertha P. Paul.	"	"	500
Glines . . . . .	Mary H. Brownrigg.	Natick.	"	650
Forster . . . .	Jane Batson.	Malden.	"	650
Bell . . . . .	Florence S. Hartshorn.	Somerville.	June 25.	650
Prospect Hill .	Lucy Curtis.	Ayer.	"	650
Edgerly . . . .	Edith M. Snell.	Sturbridge.	"	650
Forster . . . .	Jessie M. Lockwood.	Augusta, Me.	"	650
Carr . . . . .	Harriette C. Baker.	Everett.	"	650
Carr . . . . .	Jane W. Leeman.	"	"	650
Lincoln . . . .	May E. Small.	Orange.	"	725
Hodgkins . . . .	Grace H. Morse,	Somerville.	"	650
English High .	Merrill S. Lovering.	"	Aug. 27.	400
Knapp . . . . .	Mary E. Warren.	North Adams.	Sept. 24.	650
Prospect Hill .	H. Gertrude Edgerly.	Somerville.	"	600
English High .	George W. Earle.	Salem.	Nov. 26.	1,400
Morse . . . . .	Agnes C. Rice.	Everett.	"	650
Prescott . . . .	Martha L. Hale.	Somerville.	"	500

TABLE 22.—LEAVE OF ABSENCE OF TEACHERS.

February 26. Mabel E. Perry, for four months.  
 April 30. Maria B. Smith, for one year.  
 April 30. Emma F. Bradley, for two months.  
 June 25. Florence A. Chaney, for one year.

TABLE 23.—TIME LOST BY TEACHERS IN 1900.

SCHOOL.	Number of Teachers.	Days Lost.	Days per Teacher.
Latin High . . . . .	9	5	0.5
English High . . . . .	31	64	2.1
Prescott . . . . .	14	32	2.3
Hanscom . . . . .	7	25	3.6
Davis . . . . .	4	15	3.7
Bennett . . . . .	4	3	0.7
Jackson . . . . .	5	9	1.8
Knapp . . . . .	14	48½	3.5
Perry . . . . .	6	49	8.1
Pope . . . . .	13	40½	3.1
Prospect Hill . . . . .	7	25	3.6
Bell . . . . .	13	52	4.0
Cummings . . . . .	4	2½	0.6
Edgerly . . . . .	13	42½	3.2
Glines . . . . .	17	121	7.1
Forster . . . . .	19	94½	4.9
Bingham . . . . .	9	17	1.8
Carr . . . . .	17	22	1.3
Morse . . . . .	14	47½	3.4
Durell . . . . .	4	94½	23.6
Burns . . . . .	10	38	3.8
Highland . . . . .	14	29½	2.1
Hodgkins . . . . .	14	60½	4.3
Lincoln . . . . .	4	16½	4.1
Special . . . . .	7	27½	3.9
Total . . . . .	273	981½	3.6

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	101*	7	6	24	249	273

\*Four Kindergartners.

TABLE 25.—BOOKS AUTHORIZED FOR USE, 1900  
FOR GRAMMAR AND PRIMARY SCHOOLS.

Companion Series of Readers.  
The World and Its People.  
The Ship Literary Readers.  
Williams' Choice Literature.  
Fiske's History of the United States.  
Tarr's Elementary Physical Geography.  
Tarr and McMurry's First Book in Geography.  
Tarbell's Introductory Geography.  
Cecilian Series of Study and Song, Book 2.  
Child's First Studies in Music.  
Silver Song Series.  
Taylor's First Reader.  
New Educational Reader, Book I.

FOR HIGH SCHOOLS.

Composition Rhetoric,	Scott and Denny.
Brief German Grammar,	Whitney.
English Composition and Literature,	Webster.
Elements of Rhetoric and English Composition,	Carpenter.
Rome, Its Rise and Fall,	Myers.
English History,	Coman and Kendall.
History of England,	Larned.
Jeanne d'Arc,	Lamartine.
La Petite Fadette,	Sand.
Le Cachet Rouge,	Vigny.
Monte Cristo,	Dumas.
Jettatura,	Gautier.
Contes et Legendes,	Guerber.
Historische Erzählungen,	Hoffman.
Dippold's Scientific German Reader.	
Experimental Chemistry,	Newell.
Beacon Song Collection, No. 2.	

## TABLE 26 —GRADUATION EXERCISES, 1900.

## High Schools.

The graduation exercises of the High Schools occurred on Tuesday evening, June 26, at the First Methodist Episcopal Church, in the presence of a large audience of parents and friends.

The address to graduates was given by Rev. George A. Gordon, D. D., of Boston.

At the close of the address, the chairman of the School Committee, James F. Beard, presented diplomas to the 131 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.                    | "William Tell."   | Rossini      |
|                              | Hadley's Orchestra.   |              |
|                              | Cello Solo by Arthur D. Hadley.   |              |
| 1. Singing.                  | *Chorus, "Home of Freedom."   | G. F. Wilson |
|                              | (With 'Trio of Girls' Voices.)  |              |
|                              | Orchestration by S. Henry Hadley.   |              |
| 2. Prayer.                   | Rev. Lewis V. Price.  |              |
| 3. Singing.                  | Four-part Song, "O Lady Mine."  | H. K. Hadley |
| 4. Address to Graduates.     | Subject: "Education Through Fellowship."  |              |
|                              | Rev. George A. Gordon, D. D., of Boston.  |              |
| 5. Singing.                  | a. Three-part Song, "Serenade."   | Schubert     |
|                              | (Girls' Voices.)  |              |
|                              | b. Four-part Song, Hunting Song.  | Benedict     |
| 6. Presentation of Diplomas. | James F. Beard, Chairman of School Board.   |              |
| 7. Singing.                  | Chorus, Damascus (Triumphal March) "With sheathed sword," from oratorio "Naaman." | Costa        |

\* All singing accompanied by Hadley's Orchestra, under the direction of S. Henry Hadley teacher of music in the schools.

## Latin High School Graduates.

Bertha Lillian Bowers.	Mary Stephens Harmer.
Ella Wallace Bowker.	Helen Augusta Hodgkins.
Bertha Bray.	Blanche Heard Hooper.
Addie Pierce Carr.	Maude Calvert Kathan.
Georgiana Marie Clark.	Alice Mary Keeler.
Gussanda Sophia Countway.	Agnes Frost Kennard.
Elizabeth Densmore.	Bertha Evelyth Keyes.
Ada Drouet.	Lucy Stiles Kingman.
Florence Alice Eaton.	Susan Luella Maddox.
Mabel Elizabeth Elston.	Jessie Presbry Marshall.
Aunita Neely Fales.	Florence Lillian McAllister.
Anna Elmira Glidden.	Gertrude Alice Mulliken.

Mary Frances Osborne.  
 Annie Louise Page.  
 Helen Florence Plaisted.  
 Myrtie Belle Preston.  
 Grace Ada Small.  
 Lillian Josephine Stearns.  
 Frances Thomas.  
 Eva Victoria Tukey.  
 Florence Helen Walker.  
 Compton Durlin Bray.  
 Louis Carr Doyle.  
 Clarence Stoddard Farnum.

Chester Lincoln Harts.  
 Aubrey Austin Hills.  
 Frank Edward Kaula.  
 Ralph Hayward Keniston.  
 William Thomas McDonald.  
 Harold Alton Meyer.  
 Fred Atkins Moore.  
 Cornelius Aloysius Murphy.  
 Franklin Folsom Phillips, Jr.  
 Linwood Ervin Snowman.  
 Wilder Lee Sturtevant.  
 Eugene Robinson Vinal.

### English High School Graduates.

Vesta Louise Bailey.  
 Harriett Vose Bearse.  
 Fanny Leigh Beckwith.  
 Etta Frances Blake.  
 Beula Florence Boynton.  
 Alvanora Robinson Brown.  
 Mary Anita Brown.  
 Effie Wardwell Carter.  
 Beulah Camilla Chaffee.  
 Jennie Belle Heath Chase.  
 Ethel Maude Clay.  
 Grace Elizabeth Cutter.  
 Julia Quimby Davis.  
 Abbie Lavinia Day.  
 Elizabeth Veronica Doherty.  
 Lucille Milton Dunton.  
 Jennie Louise Ewing.  
 Helen Isabel Fales.  
 Evelyn Troy Gale.  
 Ethel Marion Guild.  
 Florence Bessie Handy.  
 Ada Ellsworth Harris.  
 Aurella Bertha Hatchard.  
 Caroline Josephine Hobbs.  
 Lillian Mabel Hopkins.  
 Frances Louise Howe.  
 Annie Seward Huestis.  
 Rebecca Alice Kendall.  
 Florence Gertrude King.  
 Grace Louise King.  
 Mary Olive Kitchen.  
 Annie Louise Lamb.  
 Elizabeth Lamb.  
 Ethel Hemmenway Lambert.  
 Helen Maude Locke.  
 Katherine Fee Gertrude Lord.  
 Ethel Irene Macdonald.  
 Clara Alice Manning.  
 Laura Marie Marceau.  
 Ella Marjorie Mayhew.  
 Grace Newell.  
 Linda Mary Newsom.

Harriet Holbrook Nickerson.  
 Florence Edith Patch.  
 Laura Ethel Peavey.  
 Mabel Lydia Perry.  
 Maude Holmes Pratt.  
 Beryl Pushee.  
 Lena Marion Remington.  
 Electa May Richardson.  
 Abbie Laura Rivinius.  
 Florence Gertrude Sanborn.  
 Nona Leslie Sanborn.  
 Lena May Shaw.  
 Ruth Tufts.  
 Ethel Christina Wheeler.  
 Mabel Evelyn White.  
 Edna Elliot Winship.  
 Willard Dalrymple Chandler.  
 George Garfield Clarke.  
 Edward Leo Coveney.  
 Edgar William Doyle.  
 Philip Joseph Farrell.  
 Leslie Roy Grant.  
 Herbert Miller Hale.  
 Frank Samuel Hamblin.  
 Allen Philip Hill.  
 Ralph Herman Hosmer.  
 Ernest Robbins Kimball.  
 Thomas Lamb.  
 Clifford Benson Lewis.  
 William James Logan.  
 Lewis Lombard.  
 Charles Frank Merrill.  
 Ralph Frederic Perry.  
 Ward Irving Pierce.  
 Austin Wheeler Rogers.  
 Harry Austin Stone.  
 Harry Louis Tinkham.  
 Edgar Fernando Walker.  
 Lewis Arthur Wallon.  
 Theodore Allan Waterman.  
 George Montross Weaver.



**TABLE 27.—GRAMMAR SCHOOL GRADUATES.**

The number of grammar school graduates was so large,—434,—that it was found necessary to devote two evenings to the graduation exercises. Accordingly, Wednesday evening, June 27, and Thursday evening, June 28, were set apart for the purpose. The following was the order of exercises on Wednesday evening:—

**Order of Exercises.**

Overture. "Caliph of Bagdad."	Hadley's Orchestra.	Boieldieu
1. *Singing.	Chorus, "When the Sun in Splendor Shining." (Sextette from "Lucia.")	Donizetti
2. Prayer.	Rev. George S. Anderson.	
3. Singing.	Chorus, "The Heavens Are Telling." (From oratorio "Creation.")	Haydn
4. Address to Graduates.	Subject: "Our Hopes for the Future." Professor William G. Ward, of Boston.	
5. Singing.	Three-part song, "Voice of the Western Wind." (Girls' Voices.) Orchestration by S. Henry Hadley.	Barnby
6. Presentation of Diplomas.	S. Newton Cutler, Vice-Chairman of the School Board.	
7. Singing.	Chorus, "Join in Pleasure" (Vocal Gavotte).	Jakobowski

\* All singing accompanied by Hadley's Orchestra, under the direction of S. Henry Hadley, teacher of music in the schools.

**NAMES OF GRADUATES.****Morse School.**

Harold M. Allen.  
Gerard C. Bean.  
John C. Boyle.  
Rubiena A. Burgess.  
Grace M. Carlton.  
Lucy M. Corner.  
Roland W. Dunham.  
Warren B. Farnum.  
Annie B. Fay.  
Charles W. Fosdick.  
Florence G. Gould.  
Gladstone W. Henderson.  
George A. Manchester.  
Louie H. Mansfield.  
Beatrice M. McFarland.  
Katharine T. McNeil.

J. Henry Miley.  
Catherine L. Nolan.  
Chester L. Nye.  
Ella M. Perkins.  
Mabel R. Porter.  
Agnes R. Reynolds.  
T. Arthur Robinson.  
Franklin L. Sawyer.  
Helen P. Story.  
Smith P. Theimann.  
Walter S. Thompson.  
Celia Trustenitzer.  
Mary G. Weadick.  
Lillian M. Wight.  
Ethel L. Wood.

**Highland School.**

Edwin C. Ball.  
 Gertrude E. Benjamin.  
 Florence Bonney.  
 Frederick J. Cameron.  
 Elizabeth M. Canfield.  
 Clarence I. Chase.  
 Alice L. Dadmun.  
 Eva F. Davenport.  
 Philip L. Eaton.  
 A. Louise Ellis.  
 Elizabeth Epstein.  
 Emma Epstein.  
 Charles H. Getchell.  
 Walter H. Gould.  
 Lillian M. Grant.  
 S. Grace Harding.  
 Katherine I. Haynes.  
 L. Grace Jaycock.  
 Grace M. Jouett.  
 J. Ethel Kenison.  
 Leroy H. Kenison.  
 Helen L. Lacount.

Harry R. Law.  
 Lillian M. Logan.  
 Albert W. Lounsbury.  
 Mildred S. Mathers.  
 Leroy H. Moody.  
 Blanche G. Morris.  
 Ethel M. Nute.  
 E. Gertrude Penney.  
 Nellie M. Phinney.  
 Lewis H. Remick.  
 Clyde E. Scott.  
 Susie A. Scott.  
 Roland C. Shiere.  
 Leila M. Skelton.  
 J. Merle Teele.  
 Paul A. Welldon.  
 Inglis Wetmore.  
 Eva Whittemore.  
 Helene E. Wiswell.  
 Clarence N. Woodworth.  
 Emma Young.

**Prescott School.**

Fred J. Aberle.  
 Charles E. Ash.  
 Albert L. Banks.  
 Earl E. Bardwell.  
 William E. Barton.  
 Clara L. Cochran.  
 Herbert Asa Cole, Jr.  
 Marion L. Cousens.  
 Florence Dakin.  
 Karl A. Dodge.  
 Fanny B. Freeman.  
 Edith Guerke.  
 George E. Hayward.  
 William H. Holland.  
 Mabel B. Jack.  
 Hilda B. Johnson.  
 Lillian Knowles.  
 Henry I. Lauman.

Gladys G. Libbey.  
 Fred O. Loveless.  
 James E. Mayville.  
 Leo F. McElwin.  
 Oliver J. Mellett.  
 Charles J. Murray.  
 Grace E. Rich.  
 Rhodes Robertson.  
 Chester Rooney.  
 Lillian S. Scott.  
 Hattie E. Smith.  
 Florence G. Tarbox.  
 Hazel Teakles.  
 Edith G. Tolman.  
 Walter E. Towne.  
 Daisy V. Wallace.  
 Olive P. Wallace.  
 George G. Wilber.

**Oren S. Knapp School.**

Agnes G. Allison.  
 Arthur T. Barker.  
 Manuel A. Bettincourt.  
 Walter W. Callow.  
 Rachel E. Calvert.  
 Alice D. Connor.  
 E. Francis Corliss.  
 Percy G. Davis.  
 George H. Denvir.  
 William E. Denvir.  
 Louise C. Gerry.

Francis J. Greeley.  
 Bernice T. Hall.  
 George E. Hunter.  
 Francis B. Lenas.  
 Helen C. Lyons.  
 Herbert B. Magown.  
 Grace M. Maloney.  
 Teresa G. Manning.  
 Harriet I. McIntosh.  
 Lynda V. Merrill.  
 Katherine A. Moore.

William G. Morrison.  
M. Letteta Prichard.  
Charlotte L. Reardon.  
Ellen J. Roberts.  
Charles H. Rodwell.  
Blanche M. Smith.

Leo I. Smith.  
George E. Stevenson.  
Wallace R. Wanzer.  
Eva V. Wiley.  
Albert C. Williamson.  
Elizabeth A. Wright.

### William H. Hodgkins School.

H. Josie Bates.  
Beatrice A. Bowlby.  
Nellie A. Brown.  
Herbert C. Carson.  
Homer J. Cutler.  
Sadie L. Dodge.  
Cecilia I. Doe.  
Mary E. Dolbear.  
Elis A. Dolleris.  
Lillian M. Gohring.  
George B. Goodwin.  
William L. Hallett.  
Bertha M. Hennings.  
Oscar C. Hovey.  
Maud F. Howard.  
Warren T. Howe.  
Madge C. Lecour.  
May M. Lecour.  
Harold S. Libby.  
Helen A. Martin.  
William F. McCarthy.

Blanche B. McCray.  
Cecilia T. McDevitt.  
Sadie A. Melville.  
Ernest R. Moore.  
William W. Paine.  
William L. Phillips.  
Louise S. Pipe.  
Arthur M. Russell.  
Clarence A. Russell.  
Martha E. Russell.  
Edna P. Sharpe.  
Harold A. Skinner.  
Edith M. Slatery.  
Ethel M. Snow.  
Charles G. Sonnenberg.  
LeRoy W. Stacy.  
Ethel B. Stanley.  
G. Estelle Stone.  
Anna B. Ward.  
Florence L. Whitney.  
Frank O. Vose.

### Martin W. Carr School.

Martha E. Bell.  
Nellie A. Bezanson.  
Albert J. Bianconi.  
Nona E. Blackwell.  
Ethel M. Bradshaw.  
Helen Bradshaw.  
Edward I. Chase.  
John P. H. Conway.  
Henry B. Crane.  
Sarah N. Danforth.  
Arthur P. Fitch.  
Margaret L. Flanagan.  
A. E. Mildred Flemming.  
Frances M. Frost.  
Genevieve Garland.  
Ella C. Gregg.  
Robert A. Joy.

William E. Keefe.  
Marion U. LaField.  
Edward F. Laverty.  
Saul F. Matthews.  
Herbert E. McLean.  
Ellen McTwiggan.  
Gertrude L. Moore.  
William J. Pierce.  
Claire G. Rand.  
Winifred Saunders.  
Susie T. Sharry.  
Alfred J. Sorensen.  
Katherine M. Sorensen.  
Alfred S. Trueman.  
Meleny Van Ummersen.  
Otto C. Zink.

The following was the order of exercises for Thursday evening, June 28:—

**Order of Exercises.**

- |                              |  |            |
|------------------------------|--|------------|
| Overture.                    | "Caliph of Bagdad."<br>Hadley's Orchestra.   | Boieldieu  |
| 1. *Singing.                 | Chorus, "When the Sun in Splendor Rising."<br>(Sextette from "Lucia.")                                 | Donizetti  |
| 2. Prayer.                   | Rev. H. D. Maxwell.  |            |
| 3. Singing.                  | Chorus, "The Heavens Are Telling."<br>(From oratorio "Creation.")                                      | Haydn      |
| 4. Address to Graduates.     | Subject: "Fidelity in Little Things."<br>Rev. Arthur Little, D. D., of Boston.                         |            |
| 5. Singing.                  | Three-part song, "Voice of the Western Wind."<br>(Girls' Voices.)<br>Orchestration by S. Henry Hadley. | Barnby     |
| 6. Presentation of Diplomas. | Dr. George A. Miles, of the School Board.  |            |
| 7. Singing.                  | Chorus, "Join in Pleasure" (Vocal Gavotte).  | Jakobowski |

\* All singing accompanied by Hadley's Orchestra, under the direction of S. Henry Hadley, teacher of music in the schools.

**NAMES OF GRADUATES.****Charles G. Pope School.**

Mary A. Bowen.	Chester A. LaCount.
Edna J. Brine.	Lucy E. Lovering.
Otis V. Bunker.	Helen Marden.
Edgar A. Butters.	Alice McRae.
Lottie M. Campbell.	Jennie McRae.
Grace M. Chandler.	Howard G. Miller.
Harry L. Chandler.	Alexander J. Morrison.
Ethyl G. Christie.	Mary E. O'Neil.
Pearl M. Collett.	Walter C. Patten.
Julia E. Crowley.	Bertha E. Pilsbury.
M. Edith Dillon.	Martha R. Quinlan.
Lillian Drouet.	Alice B. Sargent.
Mary H. Dugan.	Thomas J. Scannell.
Catherine A. Farrell.	Ida A. Shackiord.
John L. Fleischer.	Ella A. Simonds.
Margaret H. Foley.	Walter D. Starbird.
Alice G. Gooding.	Elizabeth F. Tingley.
Louise R. Goeckeler.	Hetty K. Turnbull.
Ellen Louise Halloran.	J. Clyde Wells.
Elsie R. Harding.	L. Alice White.
Oliver W. Hartwell.	May B. White.
Rudolph Komenda.	Louise C. Willwerth.

**Luther V. Bell School.**

Harold F. Albee.	Florence M. Carleton.
Richard D. Bell.	Eva F. Clement.
Mabel T. Belyea.	Agnes M. Corkhill.
Florence L. Caldwell.	Marion G. Crowe.

Eleanor S. Cummings.  
 Blanche A. Dole.  
 Emily M. Doyle.  
 P. Leo Eberle.  
 Louis T. Farrell.  
 James D. Fitzgerald.  
 Elizabeth C. B. Ford.  
 George F. Fortin.  
 Percival L. Greene.  
 Alveda F. Greenwood.  
 Bertha L. Hallett.  
 Nellie F. Harrigan.  
 Ida F. Hegan.  
 Ethel G. Higgins.  
 Henry J. Kaula.  
 Blanche C. Keniston.  
 Mary E. Lamb.  
 J. Howard Lord.  
 Gladys Loring.

Mabel Malcolm.  
 Edward W. S. McCloskey.  
 E. Lillian McFadden.  
 Anna V. McQuarrie.  
 Lawrence Mitchell.  
 David P. Moran.  
 Susie A. Morris.  
 Thomas F. O'Connor.  
 William H. Pearson.  
 Lillie B. Phipps.  
 Bessie R. Priestly.  
 Walter B. Robbins.  
 Rebecca Samuels.  
 Winifred G. Sherman.  
 Gertrude M. Short.  
 Esther M. Stevenson.  
 Bessie G. Whiting.  
 Clara Witham.

### Eggerly School.

Helen R. Blenkhorn.  
 Percy A. Brigham.  
 Alice A. Burns.  
 Grace E. Butler.  
 S. Agnes Carty.  
 George J. Coleman.  
 Clementine E. Collins.  
 Florence M. Cooper.  
 Edward J. Crocker.  
 Frederick O. Cummings.  
 Ethel M. Daley.  
 Margarida M. DeAvellar.  
 Nellie Devlin.  
 Lizzie A. Downs.  
 Frank L. Edwards.  
 Edna C. Freeman.  
 John Hillery, Jr.  
 Carl P. Hubbard.  
 Gertrude J. Keefe.  
 Kittie B. Larrabee.  
 Chester A. Leavitt.  
 Walter H. Lewis.  
 Gertrude H. Loveland.  
 Howard C. Loveless.

Thomas J. McCarthy, Jr.  
 Mabel L. McInnes.  
 Edith J. W. Moores.  
 Blanche I. Newton.  
 Elmer B. Osgood.  
 Charles A. Perry.  
 Mabel C. Peterson.  
 Annie T. Philpotts.  
 Bertram L. Potter.  
 Nellie L. Quennell.  
 Marie Fuller Read.  
 William H. Riley.  
 William K. Robes.  
 Maynard E. Rogers.  
 Louise M. Schmeiser.  
 Nathan R. Shaw, Jr.  
 Charles L. Shea.  
 Josie E. Smith.  
 Marguerite G. Sweeney.  
 Maurice D. Twohig.  
 Grace M. Welch.  
 Martha Wingersky.  
 Oliver A. Wyman.

### Jacob T. Glines School.

Mary F. Bennett.  
 Edgar S. Bryant.  
 Frederick O. Burbank.  
 Harry S. Chandler.  
 Maurice J. Collins.  
 Nina B. Conary.  
 Isabella L. Copland.  
 Milo R. Crosby.  
 Florence M. Currier.  
 Edward P. Douglas.  
 Elizabeth A. Dowd.

Thomas F. Dowd.  
 Harold R. Duddy.  
 Florence B. M. Dunklee.  
 Edward J. Fallen.  
 Esther R. Goldman.  
 Percy A. Harrison.  
 Florence A. Hatch.  
 Ralph A. Hight.  
 Daisy G. Hollis.  
 Carrie A. M. Jarvis.  
 Helen A. Keach.

Frank L. Kemp.  
 Florence R. Kenneson.  
 E. Louise Latona.  
 James T. Leahy.  
 Margaret E. Murray.  
 Evelyn F. Pascal.  
 Grace G. Pascal.

Mabel F. Picknell.  
 Blanche O. Preston.  
 Loena A. Snowman.  
 Flossie P. Thompson.  
 George L. Thurlow.  
 Merta Underhill.  
 Norma Underhill.

### Forster School.

Arthur L. Babbitt.  
 Hattie M. Bailey.  
 John W. Bickford.  
 Thomas W. Bickford.  
 Vincent L. Bielis.  
 Katie E. Burke.  
 M. Jessie Cameron.  
 Morley D. Cameron.  
 George Cohen.  
 G. Harvey Ellis.  
 John M. Eustis.  
 Byron P. French.  
 Edward J. Frost.  
 Frank J. Garrick.  
 Howard W. Hersey.  
 Gertrude F. Holland.  
 Maude E. Huff.  
 Vernon R. Knight.  
 E. Darwin Leavitt.  
 James H. Lee.  
 Edith D. Leitch.  
 Margaret E. Lowell.

Mary E. Lucas.  
 Lillian F. Ludixen.  
 Gertrude E. McLaughlin.  
 Joseph McLaughlin.  
 Margaret F. Mooney.  
 Clinton F. Newman.  
 Helen L. Nichols.  
 Emma F. Norton.  
 Helen S. Ogilvie.  
 Corral P. Orser.  
 Jessie E. Piccott.  
 Ethel H. Peirce.  
 Ethel A. Ray.  
 Mattie A. Rhodes.  
 Lillian G. Ricker.  
 Susie E. Ritchie.  
 D. Vaneta Roche.  
 Harriett E. Ronan.  
 James W. Ronayne.  
 Gardner W. Stacy.  
 Evangeline L. White.

TABLE 28.—ORGANIZATION OF SCHOOL BOARD, 1901.

**School Committee.**

JAMES F. BEARD, till August 27,	Chairman
S. NEWTON CUTLER, from September 24,	Chairman
S. NEWTON CUTLER, till September 24,	Vice-Chairman
GEORGE A. MILES, from September 24,	Vice-Chairman

**Members.**

		Term expires January.
WARD ONE.		
GEORGE S. POOLE,	46 Mt. Vernon street.	1901
S. NEWTON CUTLER,	28 Flint street.	1902
WARD TWO.		
EDWARD J. FLYNN,	1 Tremont place.	1901
JOHN H. O'NEIL,	44 Oak street.	1902
WARD THREE.		
DANA W. BENNETT,	41 Putnam street.	1901
JAMES F. BEARD,*	17 Prospect Hill avenue.	1902
WARD FOUR.		
WILLIAM P. JONES,	13-A Maple avenue.	1901
GEORGE W. W. WHITING,	282 Broadway.	1902
WARD FIVE.		
J. WALTER SANBORN,	183 Central street.	1901
QUINCY E. DICKERMAN,	85 Central street.	1902
WARD SIX.		
MARTIN W. CARR,	74 Craigie street.	1901
FREDERICK A. P. FISKE,	44 Cherry street.	1902
WARD SEVEN.		
HENRIETTA B. H. ATTWOOD,	18 Herbert street.	1901
GEORGE A. MILES,	249 Elm street.	1902

**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.

Eleanor L. Hannay, Superintendent's clerk, Hotel Hamlet.

\*August 27 Mr. Beard resigned, and September 13 Alvah B. Dearborn was elected to fill the vacancy.

**TABLE 28.—ORGANIZATION OF SCHOOL BOARD, 1901.—Concluded.****Standing Committees.**

High Schools.—Cutler, Dearborn, Whiting, Dickerman, Carr, Miles, Flynn.

LATIN, ENGLISH.

District (or Ward) I.—Poole, Cutler.

PRESCOTT, HANSCOM, DAVIS, BENNETT, JACKSON.

District (or Ward) II.—O'Neil, Flynn.

KNAPP, PERRY.

District (or Ward) III.—Dearborn, Bennett.

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.

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

HIGHLAND, HODGKINS, LINCOLN.

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

Evening Schools.—Dickerman, Poole, Bennett.

Finance.—Bennett, Poole, Miles.

Industrial Education.—Carr, Dearborn, Mrs. Attwood.

Music.—Mrs. Attwood, Bennett, Sanborn.

Private Schools.—Flynn, Sanborn, Bennett.

Repairs of School Buildings.—Fiske, Whiting, O'Neil.

Rules and Regulations.—Miles, Jones, Fiske.

Salaries.—Whiting, Sanborn, Cutler.

Supplies.—Poole, Dickerman, O'Neil.

Text-books and Courses of Study.—Dearborn, Cutler, O'Neil, Jones, Dickerman, Fiske, Mrs. Attwood.

By vote of the Board September 24, A. B. Dearborn replaced Mr. Beard on all Standing Committees except the High School, to which Mr. Bennett was assigned.



TABLE 29.—TEACHERS IN SERVICE DECEMBER, 1900.

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
Sarah W. Fox,	82 Highland ave.	1,200	1868
Frances W. Kaan,	12 Pleasant ave.	1,000	1882
Eudora Morey,	195 Huntington ave., Boston.	900	1882
Mrs. Lena Gilbert,	51 Elmwood st.	900	1893
Florence H. Paul,	120 Summer st.	900	1894
R. Adelaide Witham,	40 Vinal ave.	900	1897
A. Florence Moulton, Librarian,	Malden.	500	1900
ENGLISH HIGH SCHOOL.			
CHARLES T. C. WHITCOMB, Head Master,	12 Highland ave.	3,000	1895
John A. Avery, Master,	37 Boston st	1,850	1895
Everett W. Tuttle, Sub-Master,	62 Highland ave.	1,700	1895
Fred O. Small, "	45 Vinal ave.	1,450	1899
William I. Corthell, "	20 Madison st.	1,350	1899
Harry L. Jones, "	157 Highland ave.	1,350	1896
Howard W. Poor, "	15 Lowell st., Reading.	1,300	1896
George W. Earle, "	Hotel Hamlet.	1,400	1900
Merrill S. Lovering,	21 Bradley st.	400	1900
A. Marion Merrill,	78 Highland ave.	1,200	1895
Mary P. Anderson,	25 St. Stephen's st., Boston.	900	1895
Esther Bailey,	1172 Massachusetts ave., Arlington.	900	1894
A. Laura Batt,	78 Highland ave.	900	1895
M. Jessamine Dixon,	122 Orchard st.	1,200	1895
Mary P. Hitchcock,	39 Cedar st.	1,000	1895
Lucy Ingram,	13 Greenville st.	900	1894
Carrie A. Marsh,	179 School st.	900	1895
Eda L. Nichols,	66 Putnam st.	900	1895
M. Helen Teele,	23 Central st., Arlington.	900	1895
Susie L. Sanborn,	18 Stickney ave.	900	1896
Laura A. Davis,	The Caldwell, Arlington.	900	1897
Clara A. Johnson,	177 Central st.	900	1897
Mary F. Carrick,	27 Belvidere st., Boston.	900	1898
Etta A. Seaver,	40 Vinal ave.	900	1898
Bertha P. Marvel,	13 Greenville st.	850	1899
Hila Helen Small,	248-A Highland ave.	900	1899
Harriet E. Tuell,	13 Greenville st.	900	1899
Bessie L. Forbes,	92 Orchard st.	500	1899
Helen S. Follansbee,	20 Montrose st.	800	1900
Susanna B. Harrington,	47 Cedar st.	500	1900
Bertha A. Raymond,	13 Wesley pk.	500	1900
Bessie D. Davis, Librarian,	13 Mt. Vernon st.	500	1900

TABLE 29.—Teachers in Service December, 1900.—Continued.

Grade.	NAME.	Residence.	Salary.	Beginning of Service.
<b>PRESCOTT.</b>				
9	SAMUEL A. JOHNSON, Master,	91 Perkins st.	\$1,900	1893
9	Anna M. Bates,	102 Bridge st., Salem.	725	1874
7	Emma M. Cate,	13 Arlington st.	650	1882
8	Elizabeth M. Warren,	92 Myrtle st.	650	1897
6	Abbie A. Anderson,	1 Pearl st.	650	1878
6	Amelia I. Sears,	Melrose.	650	1873
5	Susie M. Hosmer,	Wakefield.	650	1899
5	Catherine T. Brown,	61 Myrtle st.	650	1868
4	Clara Taylor,	36 Flint st.	650	1871
3	Elizabeth L. Marvin,	94 Huntington ave., Boston.	650	1898
2	Louise E. Pratt,	49 Myrtle st.	650	1889
2	Martha L. Hale,	144 Highland ave.	500	1898
1	Minerva L. Mills,	170 Pearl st.	650	1897
1	Mattie L. Littlefield,	65 Glen st.	650	1897
<b>SANFORD HANSCOM.</b>				
4	LINA F. BATES, Principal,	148 Broadway.	\$775	1897
3	P. M. Pigeon,	31 Warren ave.	650	1897
2	Elsie B. Porter,	Saugus	650	1899
1	Helen G. Frye,	43 Sargent ave.	650	1898
1	Lina E. Dill,	26 Chauncey ave.	650	1897
K'g'n	Caroline Boardman,	74 Walnut st.	600	1897
Ass't	Etta M. Cushing,	3 Thurston st.	425	1896
<b>DAVIS.</b>				
4	HARRIET C. ROXBURY, Principal,*	70 Glen st.	\$725	1897
3	Mary A. Holt,	24 Prospect Hill ave.	650	1899
2	Carrie T. Lincoln,	41-B Franklin st.	650	1893
1	P. A. Merritt,	96 Oxford st.	650	1885
<b>BENNETT.</b>				
3	AGNES S. CAMPBELL, Principal,	67 Columbus ave.	\$725	1899
2	Kathryn C. Connolly,	18 Quincy st.	650	1897
1	Miriam Cavanagh,	10 Grand View ave.	650	1893
1	Carrie L. Bliss,	4 Park ave.	650	1870
<b>JACKSON.</b>				
4	ANNIE E. McCARTY, Principal,	18 Quincy st.	\$725	1880
2, 3	Isadore E. Taylor,	36 Flint st.	650	1883
1	Annie L. Savage,	135 Antrim st., Cambridge.	650	1873
K'g'n	Caroline G. Baker,	46 Washington st., Charlestown.	600	1895
Ass't	Ida F. Whitney,	69 Gilman st.	425	1899
<b>OREN S. KNAPP.</b>				
9	JOHN S. EMERSON, Master,	95 Summer st.	\$1,900	1894
9	Abby C. Hunt.	14 Aldersey st.	725	1873
8	Mary E. Warren,	94 Magazine st., Cambridge.	650	1900
7	C. B. Parkhurst,	22 Highland ave.	650	1889
7	Mary E. Stearns,	29 Warren ave.	650	1899
6	Clara B. Sackett,	31 Warren ave.	650	1891
6	Cora F. Taylor,	21 Lawrence st., Chelsea.	650	1896
5	Edith Hersey,	154 Washington ave., Chelsea.	650	1899
4	Annie E. Robinson,	20 Webster ave.	650	1876
4, 3	Abbie A. Gurney.	22 Bonner ave.	650	1888
2	Minnie Alice Perry,	16 Pleasant ave.	650	1893
3, 2	L. Gertrude Allen,	230 Washington st.	650	1884
1	Lucia Alger,	22 Bonner ave.	650	1889
1	Charlotte Holmes,	10 Putnam st.	650	1899

TABLE 29.—Teachers in Service December, 1900.—Continued.

Grade.	NAME.	Residence.	Salary.	Beginning of Service.
ALBION A. PERRY.				
5	LAURA B. UNDERHILL, Principal,	48 Flint st.	\$775	1899
4	Florence M. Marshall,	184 Harvard st., Cambridge.	650	1899
3	Mrs. M. B. McKusick,	51 Davenport st., Cambridge.	650	1897
2	Grace B. Tibbetts,	9 Miller ave., Cambridge.	650	1890
2, 1	M. Helen Milner,	84 Highland ave.	400	1899
1	Erminnie A. French,	Waltham.	650	1898
CHARLES G. POPE.				
9	GEORGE M. WADSWORTH, Master,	23 Munroe st.	\$1,900	1891
9	Mrs. Lina A. Hooper,	14 Stickney ave.	725	1900
8	Harriet M. Clark,	10 Vernon st., West Medford.	650	1893
7, 8	Alice I. Norcross,	26 Russell ave., Watertown.	650	1885
7	Eleanor M. Varney,	27½ Boston st.	650	1897
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,	9 Prospect Hill ave.	650	1898
1	Ella M. Robinson,	18 Stickney ave.	650	1899
PROSPECT HILL.				
5, 6	HELEN TINCKER, Principal,	63 Columbus ave.	\$775	1872
4	Frances A. Wilder,	36 Walnut st.	650	1874
3	Lucy M. Curtis,	61 Winthrop st., Medford Hillside.	650	1900
2	Kate L. Wheeler,	39 Chester st.	650	1897
1	Sarah I. Baird,	454-A Medford st.	650	1895
K'g'n	H. Gertrude Edgerly,	220 Medford st.	600	1897
Ass't	Ethel M. Burton,	2 Homer sq.	350	1900
LUTHER V. BELL.				
9	HARLAN P. KNIGHT, Master,	37 Stone ave.	\$1 800	1897
9	Alice L. Davis,	24 Walnut st.	725	1895
8	Mary F. Lyman,	67 Columbus ave.	650	1898
8, 7	Nellie S. Dickey,	20 Spring Hill ter.	650	1889
7	Grace E. Weeks,	23 Putnam st.	650	1899
6	Mabel T. Totman,	24 Walnut st.	650	1892
6	Maribelle Curtis,	23 Putnam st.	650	1895
5	Emma F. Schuch,	25 Tufts st.	650	1874
5	Ada F. Fernald,	12 Miner st.	650	1893
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. Lorette Schuch,	25 Tufts st.	650	1882
CUMMINGS.				
4	LYDIA J. PAGE, Principal,	21 Webster ave.	\$725	1869
3	Fannie L. Gwynne,	65 School st.	650	1886
2	Angeline Cann,	Wakefield.	650	1897
1	Elizabeth L. Hersey,	16 Appleton st., Boston.	650	1897

TABLE 29.—Teachers in Service December, 1900.—Continued.

Grade.	NAME.	Residence.	Salary.	Beginning of Service.
EDGERLY.				
9	CHARLES E. BRAINARD, Master,	113 Glen st.	\$1 900	1889
9	M. Eva Warren.	29 Evergreen ave.	725	1898
8	Annie L. Dimpsey,	232 Highland ave.	650	1891
8	Helen E. Blaisdell,	72 Rush st.	650	1898
7	Mary E. Richardson,	224 Broadway.	650	1893
7	Mabel C. Mansfield,	224 Broadway.	650	1893
6	Isabelle M. Gray,	23 Webster st.	650	1897
5, 6	Edith M. Snell,	22 Summer st., Melrose.	650	1900
5	Mary E. Coyle,	70 Glen st.	650	1898
4	J. Louise Smith,	36 Hamilton ave., Lynn.	650	1896
3	Fannie G. Holt,	35 Mt. Vernon st.	(5)	1899
2	Lillian Nealley,	109 Glen st.	650	1882
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	Mary G. Woodman,	16 Hampshire st., Everett.	650	1899
7	Nellie E. Briggs,	47 Sargent avenue.	650	1898
6	Mary H. Brownrigg,	8 Howe st.	650	1900
5	Ellen A. Boynton,	15 Evergreen ave.	650	1891
5	M. Frances Guptill,	75 Franklin st., Melrose Highlands.	650	1869
4	Margaret A. Orr,	148 Warren ave., Boston.	650	1891
4	Mary A. Goddard,	9 Winter Hill Circle.	650	1893
3	Anna G. Welch,	324 Main st., Stoneham.	650	1897
3	Florence E. Baxter,	49 Hudson st.	650	1891
2	Flora B. Rice,	Marshall St. Circle.	650	1895
2	Carrie Armitage,	57 Madison st.	600	1899
1	Belle J. Tift,	15 Dartmouth st.	650	1892
1	Ida M. Record,	45 Greenville st.	600	1899
K'g'n	Mrs. Etta D. Ellsworth,	112 Newbury st., Boston.	600	1897
Ass't	Emma E. Norcross,	60 Marshall st.	425	1899
FORSTER.				
9	FRED C. BALDWIN, Master,	25 Browning road	\$1,900	1893
9	Mary E. Bunton,	13 Lee st.	725	1894
9, 8	Irena S. Nightingale,	14 Court st., Arlington.	700	1897
8	Fanny E. Jennison,	37 Madison st.	650	1896
7	Jessie M. Lockwood,	20 Montrose st.	650	1900
7	Jane Batson,	32 Florence st., Malden.	650	1900
6	Elizabeth F. Clement,	29 Kidder ave.	650	1884
6	Mary C. Strange,	Stoneham.	650	1899
5	Lucy K. Hatch,	10 Ames st.	650	1892
6	A. Gertrude Deane,	14 Stickney ave.	650	1899
5	Jo Winslow King,	106 Brooks st., West Medford.	650	1899
4	Elizabeth S. Brown,	72 College ave.	650	1897
4	May I. Bradish.	45 Pembroke st., Medford.	650	1899
3	Maud L. Kent,	18 Maple ave.	650	1893
3	Edith T. Crabtree,	112 Jenny Lind ave.	650	1900
2	Annie S. Gage,	32 Marshall st.	650	1883
2	E. Mina Smith,	412 Medford st.	650	1896
1	Grace Shorey	23 Forster st.	650	1892
1	Cora J. Demond,	The Prescott, Everett,	650	1900
BINGHAM.				
6	HARRY F. HATHAWAY, Principal,	31 Vinal ave.	\$1,100	1890
Ass't	Carrie F. Hathaway,	31 Vinal ave.	360	
5	Elizabeth J. O'Neil,	505 Broadway.	650	1894
4, 3	Harriet F. Ward,	57 Madison st.	650	1895
3	Mabel E. Perry,	187 Central st.	650	1896
2	Ida M. Kimball,	10 Ames st.	650	1899
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

TABLE 29.—Teachers in Service December, 1900.—Continued.

Grade.	NAME.	Residence.	Salary.	Beginning of Service.
<b>MORSE.</b>				
9	MINA J. WENDELL, Master,	211-A Summer st.	\$1,900	1882
9	Emily J. Gifford,	30 Berkeley st.	725	1895
8	P. S. Downes,	45 Brastow ave.	650	1872
7	Alice E. Jones,	53 Laurel st.	650	1897
7	Lennie W. Bartlett,	44 Preston st.	650	1893
6	Anna E. Sawyer,	26 Bow st.	650	1872
6	Kara M. Johnson,	99 Summer st.	650	1897
5	Lizzie E. Hill,	22 Rutland sq., Boston.	650	1891
4	Anna C. Damon,	53 Laurel st.	650	1879
3	Agnes C. Rice,	20 Spring Hill Terrace.	650	1900
2	Ella P. McLeod,	70 Austin st., Cambridge.	650	1888
1	Ardelle Abbott,	71 Craigie st.	650	1897
1	Alice M. Emerson,	146 Highland ave.	650	1891
	Grace Russell,	1323 Broadway.	650	1900
<b>MARTIN W. CARR.</b>				
9	CHARLES G. HAM, Master,	Watertown.	\$1,900	1893
9	Anne E. Bragdon,	21 Harvard st.	725	1898
8	Harriette C. Baker,	51 Preston st.	650	1900
8	Jane W. Leeman,	51 Preston st.	650	1900
7	Jennie E. Sutherland,	22 Pleasant st., Salem.	650	1898
7	Harriet A. Hills,	9 Harvard pl.	650	1874
6	Marie T. Smith,	33 Chester st.	650	1898
6	Marion P. Crawford,	53 Laurel st.	650	1897
5	Susie L. Luce,	25 Greene st.	650	1896
5	Mary A. Haley,	117 Summer st.	650	1867
4, 5	Grace T. Merritt,	281 Summer st.	600	1900
4	Mabel A. Mann,	88 Chelsea st., Everett.	650	1898
3	Florence B. Howland,	39 Boston st.	650	1897
3	Elizabeth S. Foster,	53 Laurel st.	650	1895
2	Bessie A. Dadmun,	48 Oxford st.	650	1897
1	Ethel F. Morang,	162 Lowell st.	600	1898
1	Gertrude Friend,	33 Wallace st.	650	1893
<b>GEORGE W. DURELL.</b>				
4	NORA F. BYARD, Principal,	248 Summer st.	\$725	1884
3	Maud M. Brackett,	16 Howland st., Cambridge.	650	1899
2	Edith L. Hunnewell,	23 Milton st.	650	1894
1	Mary Winslow,	38 Spring st.	650	1893
<b>BURNS.</b>				
5	LAURA J. BROOKS, Principal,	31 Stevens st., Stoneham.	\$1,000	1883
Ass't	Grace J. Alexander,	34 Victoria st.	360	
4	Elizabeth A. Davies,	37 Meacham st.	650	1893
4	Minnie S. Turner,	153 Lowell st.	650	1885
3	A. L. Brown,	281 Summer st.	650	1885
3	Mary E. Lacy,	63 Cherry st.	650	1890
2	Amy W. Freeman,	65 Sycamore st.	600	1899
2	Alice E. Morang,	162 Lowell st.	500	
1	Florence M. Hamlin,	128 Orchard st.	650	1889
1	Alice A. Beckwith,	13 Brastow ave.	650	1897
<b>HIGHLAND.</b>				
9	GEORGE E. NICHOLS, Master,	26 Loring st.	\$1,900	1877
9	M. Alice Paul,	122 Orchard st.	725	1879
9	S. Adelaide Blood,	Washington st., Ayer.	700	1882
8	Phoebe A. Mathews,	34 Bow st.	650	1897
7	Cora B. Wheeler,	39 Chester st.	650	1896
8, 7	Grace M. Clark,	10 Vernon st., West Medford.	650	1893
6	Jennie C. Frazier,	56 River st., Boston.	650	1887
5	Sarah E. Pray,	28 Quincy st.	650	1878
5	Mary H. Joyce,	76 Boston st.	650	1891
4	Mary E. Cunningham,	96 Orchard st.	650	1899
3	Alice T. McNamara,	34 Newbury st., Boston.	650	1895
2	Jane M. Taaffe,	159 Morrison ave.	650	1888
1	Katherine E. Hourahan,	12 Grove st.	650	1892
1	Clara G. Hegan,	100 School st.	500	1897

TABLE 29.—Teachers in Service December, 1900.—Concluded.

Grade.	NAME.	Residence.	Salary.	Beginning of Service.
	WM. H. HODGKINS.			
9	ARTHUR L. DOB, Master,	86 Chandler st.	\$1,900	1896
9	Alice M. Winslow,	33 Wallace st.	725	1896
8-7	Edith W. Emerson,	Arlington.	650	1896
7	Alice S. Hall,	Arlington.	650	1896
6	Mrs. Gertrude W. Leighton,	20 Chapel st.	650	1896
6	Berthe M. Mason,	39 Burnside ave.	650	1894
5	Flora A. Burgess,	183 Ash st., Waltham.	650	1894
5	Mrs. N. Agnes White,	53 Chester st.	650	1896
4	Helen A. Wooster,	17 Willow ave.	650	1898
3	Katherine M. Fox,	Stoneham.	650	1896
2	Ida May Pettee,	21 Cottage ave.	650	1899
2	Grace H. Morse,	58 Bow st.	650	1900
1	Mrs. Marion I. Noyes,	16 Winter st.	650	1896
1	Almena J. Mansir,	77 Albion st.	600	1899
	LINCOLN.			
4	MAY E. SMALL, Principal,	122 Orchard st.	\$725	1900
3	Charlotte F. Mott,	86 Charles st., Boston.	650	1886
2	Martha A. Jencks,	2 Kenwood st.	650	1899
1	Eliza H. Lunt,	50 Curtis st.	650	1890
	SPECIAL TEACHERS.			
	MUSIC.			
9-7	S. Henry Hadley, 4 days,	46 Pearl st.	\$1,500	1869
6-1	Charlotte D. Lawton, 5 days,	60 Bow st.	900	1898
	DRAWING.			
9-1	Mary L. Patrick,	Newtonville.	\$1,000	1895
	SEWING.			
8-5	Mary L. Boyd,		\$650	1888
8 5	Emma J. Ellis,	54 Marshall st.	600	1900
8-5	Bertha M. Paul,	23 Monmouth st.	500	1900
	PENMANSHIP.			
9-1	Wm. A. Whitehouse,	94 Summer st.	\$1,200	1895

TABLE 30.—OFFICERS IN SERVICE DECEMBER, 1900.

NAME.	Residence.	Salary.	Beginning of Service.
SUPERINTENDENT.			
Gordon A. Southworth,	40 Greenville st.	\$3,000	1893
CLERK.			
Eleanor L. Hannay,	Hotel Hamlet.	\$650	1897
TRUANT OFFICERS.			
Lemuel H. Snow,	81 Benton road.	\$1,100	1886
Jairus Mann,	80 Porter st.	50	1872

TABLE 31.—SCHOOL JANITORS, DECEMBER, 1900.

SCHOOL.	Name.	Residence.	Salary.
Latin High, S .	Joseph Young.	51 Oxford St.	\$1,000 00
English High, S	H. B. Sellon.	9 Stickney Ave.	1,200 00
Prescott, S, 12 .	George A. McGonnigle.	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.	320 00
Bell, S, 12 .	F. S. Dickinson.	1 Putnam St.	830 00
Cummings, F, 4	William T. Higgins.	82 School St.	315 00
Knapp, S, 13	John C. Sampson.	64 Flint St.	830 00
Pope, F, 12 .	Hiram A. Turner.	16 Gibbens St.	830 00
Prosp. Hill, F, 6	Edward T. Peterson.	18 Stone Ave.	420 00
Bennett, St., 4 .	Alfred Shiner.	Schoolhouse.	165 00
Jackson, St., 4 .	Alfred F. Shiner.	Schoolhouse.	174 00
Forster, S, 13 .	James L. Whitaker.	146-R Sycamore St.	720 00
	John H. Kelley.	163 Hudson St.	900 00
Glines, S, 14 .	Roy C. Burckes.	249 School St.	950 00
Bingham, S, 8 .	John F. O'Brien.	5 Richardson St.	500 00
Morse, F, 12 .	Charles Gale.	10 Brastow Ave.	830 00
Durell, S, 4 .	Albert C. Taylor.	17 Shawmut St.	480 00
Burns, S, 4 .	Charles Weston.	23 Conwell St.	500 00
Highland, F, 12	E. P. Cook.	241 Elm St.	770 00
Lincoln, S, 4 .	W. B. Higgins.	82 School St.	480 00
Hodgkins, S, 12	Andrew B. Colesworthy.	Simpson Ave.	890 00
Hanscom S, 6 .	Albert Gilman.	66 Glen St.	480 00
Carr, S, 15 .	James W. Rich.	206 Highland Ave.	1,080 00
Perry, S, 6 .	John F. Richardson.	11 Grove St.	600 00

Buildings heated by steam are marked "S," by furnace "F," by stove "St." 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, 1900.

### Trustees.

CHARLES A. WEST. J. FRANK WELLINGTON.  
EDWARD C. BOOTH, M. D. CHARLES W. SAWYER.  
GEORGE W. PERKINS. HOWARD D. MOORE.  
JOHN B. VIALI. IRVING G. HALL.  
EDWARD GLINES.

### Officers.

CHARLES A. WEST . . . . . President.  
SAM WALTER FOSS . . . . . Secretary.

### Committees.

Building and Grounds — Viall, Perkins, and Hall.  
Administration — Wellington, Sawyer, and Glines.  
Books and Catalogues — West, Viall, Booth, Wellington, Moore, and Sawyer.  
Finance — Perkins, Hall, and Glines.

### Librarian.

SAM WALTER FOSS.

### Assistant Librarian.

ADELE SMITH.

### Cataloguer.

F. MABEL NORCROSS.

### Assistant Cataloguer.

ESTHER M. MAYHEW.

### Children's Librarian.

ANNA L. STONE.

### School Librarian.

EDITH B. HAYES.

### Reference and Art Librarian.

MABEL E. BUNKER.

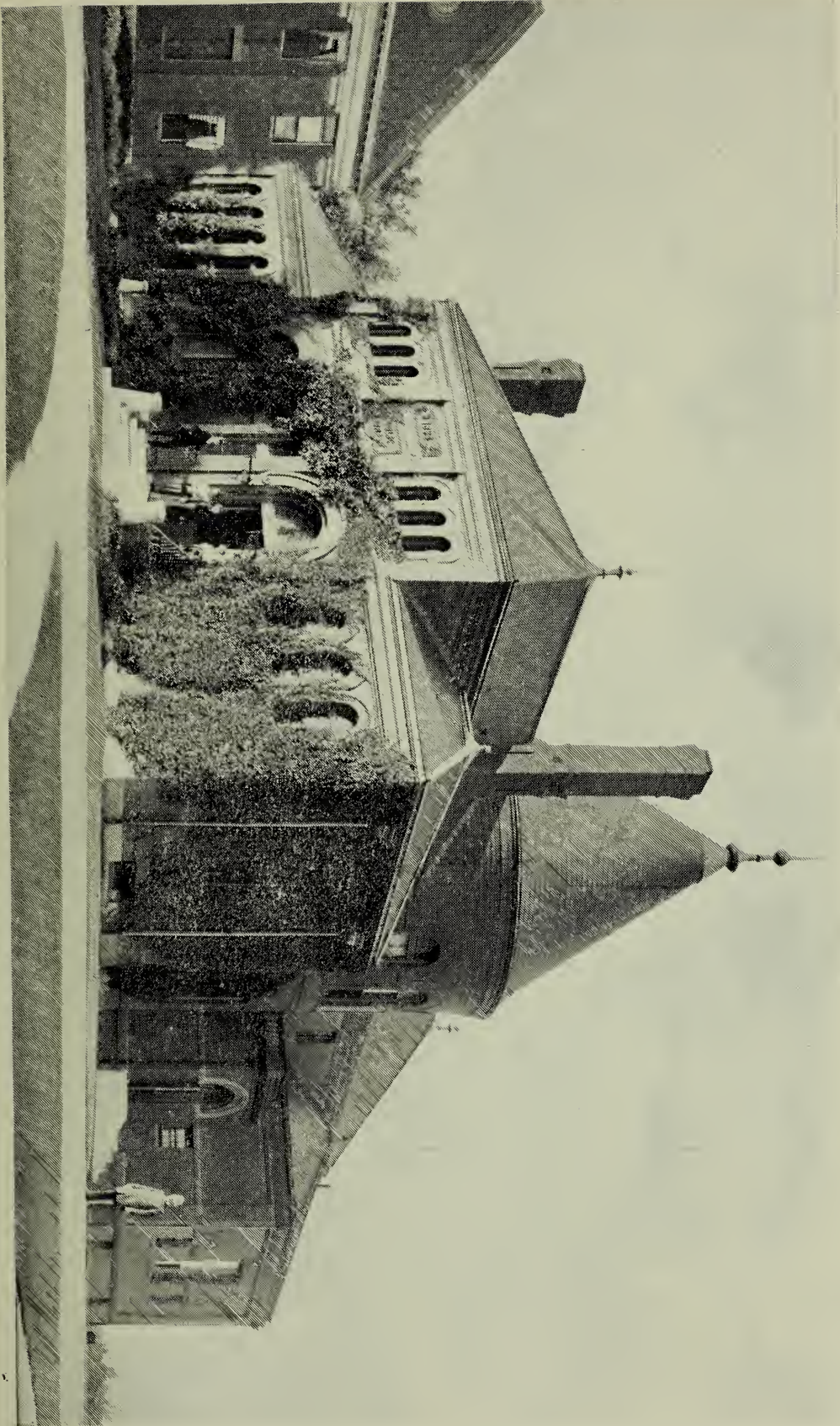
### Assistants.

MARY J. WARREN. MARY L. SIMAS.  
MARY S. WOODMAN. F. EDWARD KAULA.  
FLORENCE D. HURTER. AUBREY A. HILLS.  
BESSIE L. DUDDY. CHARLES F. SHEPARD.  
GARDNER STACY.

### Janitor.

CHARLES A. SOUTHWICK.





SOMERVILLE PUBLIC LIBRARY.



## PUBLIC LIBRARY ACCOUNT.

### Receipts and Expenditures for 1900.

CREDIT.	
Balance from 1899 . . . . .	\$ 02
Dog tax . . . . .	3,257 45
Income on Pitman fund . . . . .	50 00
Annual appropriation . . . . .	19,000 00
Fines, etc. . . . .	462 55
Library bureau . . . . .	16 00
Charles Scribner's Sons . . . . .	1 00
	\$13,787 02
Total . . . . .	
DEBIT.	
Books and periodicals . . . . .	\$4,116 62
Binding . . . . .	933 13
Cards . . . . .	136 00
Printing . . . . .	318 51
Stationery . . . . .	53 80
Salaries . . . . .	6,924 80
Agencies . . . . .	158 40
Boxes . . . . .	21 38
Repairs . . . . .	22 15
Express . . . . .	298 86
Electric lights . . . . .	53 40
Gas . . . . .	4 80
Water . . . . .	4 36
Typewriter . . . . .	90 00
Postage . . . . .	20 00
Telephone . . . . .	49 32
Labor . . . . .	69 84
Insurance . . . . .	254 65
Supplies . . . . .	73 79
Pictures . . . . .	88 79
Disbursements . . . . .	51 50
Balance carried to 1901 . . . . .	42 92
	\$13,787 02
Total . . . . .	

### Isaac Pitman Poetry Fund.

CREDIT.	
Balance from 1899 . . . . .	\$40 57
Income for 1900 . . . . .	50 00
	\$90 57
Total . . . . .	
DEBIT.	
Books of poetry purchased in 1900 . . . . .	\$50 68
Balance carried to 1901 . . . . .	39 89
	\$90 57
Total . . . . .	

## REPORT OF THE TRUSTEES.

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

Gentlemen,—The twenty-eighth annual report of the Trustees of the Public Library is herewith respectfully submitted.

The past year has been memorable in the history of the Library because of its enlarged facilities and the phenomenal increase in circulation of books for home use, as well as the constantly growing attendance in the children's department and the opening of the Library every evening to the public.

Much of this material advancement has been made possible by the liberal appropriation for the enlargement of the building, and the Trustees are gratified that with the increased opportunities have come increased use, which testifies to the intelligent and wise public spirit which governs our civic administration, for in no way can the mental and moral condition of a community be more effectually raised than by encouraging the use of the Public Library.

Early in the year the experiment was tried of opening the Library every week day evening until nine o'clock, looking forward to a possible small attendance during the summer months. The opportunity affording access to the reading rooms, where could be found the leading newspapers and periodicals, was quickly appreciated, and the attendance increased to such an extent that it was found necessary to make this regulation permanent. This room is often crowded, and the Trustees look forward with apprehension to the time when the present facilities will be found entirely inadequate.

The popularity of the new room for the use of the children is evidenced by its already crowded condition at certain hours, notably during the late afternoon and on Sundays. The attendance of the children has far exceeded the most sanguine expectations, and if their needs and desires are to be gratified, as they certainly should be, an immediate purchase of juvenile books must be made. Can the money of the city be more wisely or judiciously expended than by giving these young children access to such books as shall supplement the education furnished them in the public schools?

The most pressing need at the present time is the completion of the new wing, which should be suitably furnished with stacks in keeping with those now in use. The cost of the required furniture and fittings is estimated at approximately \$6,500.

The work which the Library is now doing should be extended and enlarged as contemplated, and no time should be lost in placing this room in condition for immediate use.

The tendency of the prominent libraries to-day is to bring the people into closer relations with the books themselves, and where the experiment has been tried of permitting free access to the stacks, it has proved most helpful. It is the desire of this board to furnish the same facility for the free examination of books and periodicals as can be enjoyed in a private library or a book store. Where this privilege has been granted, an increased attendance is apparent at once. While the Library exists to supply the demands of the people, it should also cultivate a desire for good literature, and by permitting a free inspection of the books, many valuable, though comparatively unknown, volumes are brought into circulation.

The Trustees are indebted to Superintendent Southworth for many kindnesses, as shown by his interest in the Library and his hearty co-operation in bringing its advantages to the attention of the scholars. The Public Library is an able adjunct to the public school system, and supplements the work of the teacher to a marked degree.

The circulation of books for home use has very materially increased during the past year, and this Library retains the enviable position of being second only in the state to the city of Boston in number of volumes circulated.

The musical department, which was established last year, has been acceptably received, and the increase in the circulation of musical literature has been marked.

A growing desire for a closer and better knowledge of works of art and all pertaining has encouraged an extension of the art department, which has already a valuable nucleus. A collection of photographs of the old masters has recently been purchased, which have been suitably mounted and will shortly be ready for circulation in portfolio form. It is planned to further materially increase the usefulness of this department during the coming year.

The Trustees are again privileged to acknowledge the beneficence of Mrs. Harriet Minot Laughlin, who has made a further donation to the Isaac Pitman fund of the munificent sum of four thousand dollars, the income of which is to be expended by the Trustees in the purchase of works of art. This bountiful donation is greatly prized and appreciated, and it is fondly hoped that it may prove to be only the forerunner of still further benefactions.

Notwithstanding the large purchase of books during the past year, we are unable to answer the demands of the public for the prominent works of the day, which is a source of much annoyance to the Librarian and his assistants. In consequence of the inability on the part of the Library to satisfy the people, we

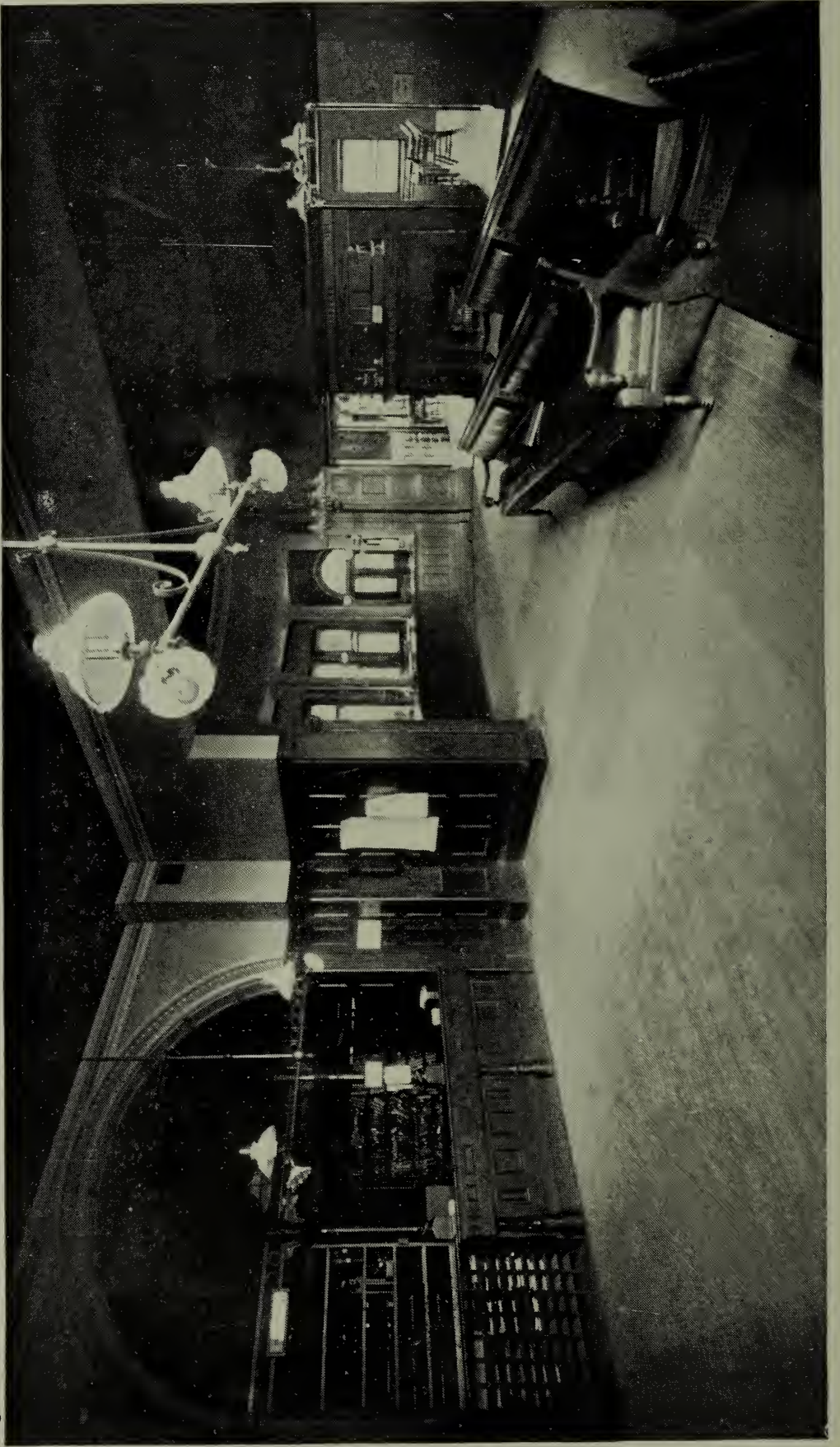
have seen a growing number of book clubs and circulating libraries, whose business comes largely from our card holders. This is, indeed, unfortunàte, as the scope of the Library should include all demands of the reading public if its sacred province is to be maintained. This proud position can only be secured by liberal appropriations judiciously expended.

Those not familiar with the Library and the work it is doing can have but a slight idea of the labor and responsibility resting upon the Librarian and his assistants during this period of re-organization in order to successfully meet the requirements of the people. It is a pleasure to note the great interest taken by our Librarian and the hearty zeal and labor which is shown by the increased and still increasing circulation and attendance. The assistants are universally courteous and attentive, and a cordial spirit of co-operation is everywhere manifest.

CHARLES A. WEST, President.

December 31, 1900.





DELIVERY ROOM.



## REPORT OF THE LIBRARIAN.

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To the Trustees of the Somerville Public Library:—

I herewith submit the Librarian's twenty-eighth annual report.

The year just closing has been an epochal one in the history of the Public Library. The completion of the new annex has enabled the Library to greatly expand its work along the lines of progressive activity, and to fulfill some, at least, of modern library demands. The year has begun a new epoch in the history of the Library, an epoch of growth, and of wider development in all departments. The year has been successful in many ways, as will be seen by the following statement in detail relative to the various departments:—

### The Cataloguing Department.

The cataloguing department, under the supervision of Miss F. Mabel Norcross, in addition to its regular work, has been occupied upon the new card catalogue. This really formidable undertaking is now nearing completion. All the available help of the Library have now been engaged upon this task for a period of about two years and a half during all their available time. The work is now completed with the exception of the departments of Religion and Philosophy. In a matter of this kind it is dangerous to make specific predictions, but it is probable the work will be entirely completed within a period of three months. This catalogue, though not complete, has been used by the public for several months. It is housed in an elegant and well-made case, easy of access, in the delivery room. The books are catalogued under author, title, and subject, with copious cross references. It has been the cataloguer's aim to reduce the difficulties of finding a given book to the minimum. This new card catalogue is of incalculable aid to the patrons of the Library, and is greatly appreciated by the public.

A card catalogue, alphabetically arranged, is in most respects the ideal catalogue. But it is not portable. It must be consulted, if it is consulted at all, at the central library, and this is such a barrier to its use that many citizens cannot make it available at all. The making of a complete printed catalogue for a library of the present size of ours would involve great labor and an impossible expense. The most practicable thing to do is, perhaps, to print special lists from time to time of the books in our various departments. During the coming year a list of our juvenile books should be thus printed. These lists should be distributed through the schools in considerable numbers. There is already a great call for such a list, which we have no means of supplying. If the expense is not too great, a complete list of our works of fiction, purchased since 1895, the date of our last

printed catalogue, should also be prepared. The work of cataloguing a library is a work that is never completed; and in a growing library it is a work that can never be in a condition entirely satisfactory to the public. The more rapidly a library grows, the more unsatisfactory must be this condition. It is the penalty paid to progress. By the frequent publication of new special lists we should endeavor to reduce these unsatisfactory features to the minimum.

Below are the statistics of the books withdrawn from the Library, and the books added to the Library, and the books bound by the Library during the year:—

#### Books Withdrawn.

Number of books worn out . . . . .	563	
“ “ “ lost by general readers . . . . .	10	
“ “ “ “ in schools . . . . .	17	
“ burned on account of infectious exposure . . . . .	18	
	<hr/>	
Total number withdrawn . . . . .	608	
Total number of books withdrawn to January, 1900 . . . . .		3,992
“ “ “ “ “ during 1900 . . . . .		608
		<hr/>
Total . . . . .		4,600

#### Books Added.

Accession number, January 1, 1900 . . . . .	47,423
“ “ January 1, 1901 . . . . .	52,672
Total number of books added during 1900 . . . . .	5,249
Books new to the library . . . . .	2,916
Duplicates . . . . .	2,333
Total number withdrawn . . . . .	4,600
Total number of books in the library . . . . .	48,072

#### Binding.

Volumes rebound . . . . .	1,900
Periodicals bound . . . . .	207
Paper-covered books bound . . . . .	34
Pamphlets . . . . .	14
	<hr/>
Total . . . . .	2,155

#### The Reference and Art Department.

The Reference and Art Department, under the supervision of Miss Mabel E. Bunker, has made a steady progress. The reference room in the Library, in addition to its use by the general public, is coming to be used by all the pupils of the schools much as a college library is used by the students of a college. The Library and the schools are two co-ordinate branches of one common system of education, and it is the aim of the Library through its reference department to supply all the supplementary aid that the scholars of the public schools demand.

Below is given the statistics of attendance in the reference room during the different months of the year 1900:—

January . . . . .	2,695
February . . . . .	2,675
March . . . . .	2,783
April . . . . .	4,005
May . . . . .	2,630
June . . . . .	1,836
July (periodicals removed) . . . . .	966
August . . . . .	256
September . . . . .	1,513
October . . . . .	2,369
November . . . . .	1,889
December . . . . .	2,290
Total . . . . .	<hr/> 25,907

It will be seen by the above figures that when the periodicals were taken from the reading room last July the attendance immediately dropped to a low point. Since then the attendance has, however, rapidly increased, and is already approaching the average that prevailed when the room was a reading room and reference room combined.

The Art Department of the Library is as yet in its infancy. Our collection of art books is a promiscuous and somewhat haphazard one, containing many works of real value and some of comparative worthlessness. It will form a substantial nucleus, however, for better things. There has been of late a very rapid development of the artistic sentiment in the community. This is due largely to the instruction given the pupils in the public schools, the study along these lines fostered by the women's clubs, and the increased attention given to these matters by the special magazines devoted to such topics, as well as by general magazines and periodicals. There is a very general and rapid art taste developing. It is needless to say that in this movement the Public Library should be a leader. Art books and art works of all kinds are expensive, and for this very reason they are usually beyond the reach of private purchase and are accessible only through the public library to most of our people. We are expected to have them, as we are expected to have the expensive books of reference. The time has arrived when this altogether natural expectation on the part of the public should be gratified. It is fortunate that we shall be able to satisfy this need, to a degree at least, through the generous gift of four thousand dollars lately donated the Library by Harriet Minot Laughlin, of Boston. We have already purchased one hundred and fifteen well mounted photographs of many of the masterpieces of the world's great artists. These will be placed in portfolios especially designed for the purpose, and are an excellent addition to the art equipment of the Library. This selection was made by Miss Mary L. Patrick, supervisor of drawing in the public schools, to whom we owe a debt of thanks for her trained services. These portfolios will be given out on readers' cards the same as books.

These purchases should be continued. If, in addition to the

regular income from our Pitman fund, the Library should annually spend an equal amount from its own appropriation, an art department in a few years would be developed in which the city would have reason to feel just pride.

The Library has had several fine exhibits during the past year from the Library Art Club. At present, through the efforts of F. Edward Kaula of the staff, we are showing a fine exhibit of water colors and oil paintings from our local Somerville artists. We have on exhibition pictures by Miss Emily S. Davis, Miss Lizzie F. Wait, C. Scott White, Robert C. Woodbury, Alfred E. Smith, and William J. Kaula. It is the universal testimony that this exhibition is an excellent one, and the city that can produce such artists should do all it can through its Library to encourage art. It will be the aim of the Library to have some exhibition on view all the time. Later on we hope to have an exhibit of original drawings, pen and ink drawings, architectural designs, decorated china, and other decorative work, an art exhibit of the school children, loan exhibits of famous foreign pictures, and a loan exhibit of fine paintings from our own citizens. The Library ought to own a few oil paintings of a high order of merit, preferably illustrative of local historical themes; or pictures of some literary significance. Nothing, however, of a cheap order should be considered in this connection, and the funds for such purposes should be supplied by private benefactions.

#### **The School Department.**

This, as a distinct department, is of very recent organization. It was started early in October, and was placed under the supervision of Miss Edith B. Hayes. The object of this department is to bring about a closer co-operation between the Library and the schools. In the pursuance of this object Miss Hayes has visited every school in the city and had personal conferences with nearly all the teachers. In one instance she addressed the teachers of one of the schools in a body. She has learned by personal inquiry the needs of the teachers, as far as Library service is concerned, and these needs as soon as learned we have endeavored to supply. She learns, as far as possible, the themes of study to be taken up in the immediate future, and then prepares lists of Library books bearing upon these themes; which lists are very useful, not only to the teachers and the pupils of the schools, but also greatly facilitate the work of our own staff. During the year we have sent out 112 special libraries to 112 different schoolrooms. We have also delivered in boxes to the different schools 5,624 volumes. Our entire circulation through the school libraries has been 58,520, of which 32,480 have been fiction, and 26,040 other works.

I am more and more convinced that it is through the schools that the Library can find a field for its greatest usefulness. In the schools it finds all the machinery of distribution prepared ready to its hand, and when, as in Somerville, the





CHILDREN'S ROOM.

school authorities are so willing to co-operate with the Library, a great work can be done. Our system of special libraries in the schools should be developed to a higher degree of efficiency. The children who live in distant parts of the city, especially in the winter season, find it impracticable to come to the Central Library; and if our special libraries in the schools were large enough, the schools would practically be distributing centres for the Library. We now send out about three thousand books in these special libraries, each library consisting usually of twenty-five books. This number, in most instances ought to be doubled, in order that there may be at least one book for each pupil. Children's books are not expensive, and it is probable that these three thousand books could be purchased for fifteen hundred dollars. Knowing how desirable such books are, and the great educative value they would be to the community, it is ardently to be hoped that funds will be furnished us for their immediate purchase.

There are at present, by an approximate estimate, twelve thousand pupils in our public and parochial schools. Reckoning that all our pupils who take out books from the Library and from the special libraries hold their books for a period of a week, then, during our largest weeks, six thousand pupils use our Library books. In other words, fifty per cent. of the pupils of our schools are supplied regularly with books from the Library. This is a good showing, as children's circulations go. But I can see no reason why we should feel complacent in regard to it. A very pertinent inquiry arises, "Why should not all our twelve thousand pupils use the Library and be readers of its books?" Until we make it easy, at least, for all our children to do this, there is something culpably wrong in our system of distribution. If our books are good for one-half of our pupils, they are also good for the other half, and we should make it easy for this other half to get them. It is evident that there is still work for us to do among our younger generation of readers.

#### The Children's Department.

The Children's Department, under the supervision of Miss Anna L. Stone, has made a remarkable advancement during the present year. The Children's room, which is the largest room in the building, at the busy hours of the day is thronged to its utmost capacity. Below is given the circulation by weeks since the opening of the school year in September:—

For the week ending	September	8th	.	.	.	833
"	"	"	"	"	"	903
"	"	"	"	"	"	1,077
"	"	"	"	"	"	1,155
"	"	"	"	October	6th	1,656
"	"	"	"	"	13th	2,565
"	"	"	"	"	20th	3,095
"	"	"	"	"	27th	3,299
"	"	"	"	November	4th	3,063
"	"	"	"	"	10th	2,827

For the week ending November	17th	. . .	3,012
“ “ “ “ “	24th	. . .	3,046
“ “ “ “ December	1st	. . .	3,005
“ “ “ “ “	8th	. . .	3,070
“ “ “ “ “	15th	. . .	2,260
“ “ “ “ “	22nd	. . .	2,152
“ “ “ “ “	29th	. . .	1,889

This is really a remarkable increase, and, in the amount of actual business done, places our children's room, as far as can be ascertained, the first in the state. This increase was largely due to what I regard as one of the wisest acts ever done by your board, the absolute removal of the age limit. This removal of the age limit, through the courtesy of Mr. Southworth, the superintendent of schools, was announced in every school in the city. Application blanks for the children to fill out were placed in all the schools that desired them, and were distributed by the teachers to the children. The response of the children was immediate, and, for a time, alarming. The crowds that came were not anticipated, but in a few days the internal arrangements of the Library were so adapted that the increased attendance was taken care of without friction. This removal of the age-limit has put the resources of the Library at the disposal of all the children of the city who desired to use them, and the result has shown that this desire on the part of the children has been very general. It has brought the bookless into contact with books at an early age, and has accomplished a service the influence of which will continue far beyond our generation.

Our Children's department is a new department, and, consequently, our number of children's books is few. This sudden influx of new readers inevitably strained the resources of the department to the extreme limit. The present needs of this department are great and urgent. There are about four thousand books in the children's room. When it is remembered that the circulation of the books from this room, in a single week, may reach three thousand, and at no distant date is sure to go much higher, it can easily be inferred what a meagre supply we have with which to meet the demand. The drain upon our resources is so great that sometimes only about a thousand books are left upon the shelves in our children's room. It is really wrong for the city of Somerville to thus present its children with a supply of books no larger than the collections that can be found in scores of the private libraries in this city. Our supply of books for this room should at least be doubled. It would be almost a criminal act toward our children to double this supply gradually. It should be doubled at once. I earnestly hope that at least twenty-five hundred dollars may be appropriated for this purpose and be spent immediately after its appropriation.

#### Gifts.

The Library has received the following donations of books, pamphlets, and periodicals during the past year:—







MAGAZINE ROOM.

## List of Donations.

	Vols.	Pamph.	Period.
Acker, Finley . . . . .	1		
Aitken, Charles F. . . . .	1		
American Union League Society . . . . .	1		
Amherst College . . . . .		1	
Balch, E. S. . . . .	1		
Barnes, W. A. . . . .	1		
Blunt, M. M. . . . .	94		
Book Reviews . . . . .			20
Boston Book Company . . . . .			2
Boston Transit Commission . . . . .		1	
Brigham, Johnson . . . . .		1	
Broadway Congregational Church . . . . .			12
Brooks, Elbridge S. . . . .	155		
Brooks, Geraldine . . . . .	1		
Brophy, T. C. . . . .	1		
Burnett ( Joseph ) Co. . . . .		1	
Christian Register . . . . .			52
Christian Science Journal . . . . .			63
Christian Science Sentinel . . . . .			52
Cook's Excursionist . . . . .			12
Dewey, Melvil . . . . .		2	
Dramatic Review . . . . .			52
Egypt Exploration Fund . . . . .		1	
Electric Fireproofing Co. . . . .	1		
Elliot, Mary E. . . . .	1		
Ellis, G. H. . . . .	1		
Emerson, Arthur and Frank . . . . .	3		
Farmer, J. E. . . . .	1		
First Universalist Church, Somerville . . . . .			32
Fitchburg, Mass. . . . .	1		
Food, Home, and Garden . . . . .			1
Foss, Sam Walter . . . . .	6		
Frye, A. E. . . . .	1		
Gifford, F. K. . . . .	2		
Glines, Edward . . . . .		42	
Goldsmith, B. W. . . . .	7		
Hall, I. G. . . . .	1		
Harmon, L. B. . . . .	13		
Harvard University . . . . .	1	2	
Hawes, Frank M. . . . .			267
Helper . . . . .			38
Herbert, John . . . . .			81
Higgins, Charles M. . . . .		1	
Home Market Club . . . . .			16
Houghton, Mifflin, & Co. . . . .	1		
Humane Alliance . . . . .			6
Hunnewell, J. F. . . . .	1		
Ipswich Historical Society . . . . .	1		
Journal of Orthoepy . . . . .			1
Land of Sunshine . . . . .			12
L. A. W. Bulletin . . . . .			6
Lewis, Gilman . . . . .	6	2	
Literary News . . . . .			12
Carried forward . . . . .	304	54	737

## LIST OF DONATIONS.—Continued.

	Vols.	Pamph.	Period.
Brought forward . . . . .	304	54	737
Little, Brown & Co. . . . .		1	
Lowe, Mrs. Martha Perry . . . . .	3		
Malden, Mass. . . . .	1		
Manifesto . . . . .			12
Marshall, Dr. Julia A. . . . .			63
Massachusetts . . . . .	24	2	
Massachusetts Institute of Technology . . . . .		1	
Massachusetts Society of the Sons of American Revolution . . . . .	1		
Merriman, T. M. . . . .	1		
Metropolitan Water Board . . . . .	1		
Murray, T. H. . . . .	1		
Museum of Fine Arts, Boston . . . . .		1	
New England Anti-Vivisection Society . . . . .			24
Newcomb, Mrs. Emma . . . . .	1		
Newell, L. C. . . . .	1		
Occult Matter . . . . .			1
O'Malley, Thomas F. . . . .		1	
Oregon Native Son . . . . .			1
Palmer, B. P. . . . .	13		
Pennsylvania Prison Society . . . . .		1	
People . . . . .			52
Perkins Institution for the Blind . . . . .	19	1	
Pope, Mrs. C. G. . . . .	7		
Public Libraries:—			
Baltimore, Md. ( Enoch Pratt Library ) . . . . .		1	
Boston . . . . .		3	12
Brockton . . . . .		1	9
Brookline . . . . .		3	4
Cambridge . . . . .		1	10
Chelsea ( Fitz Public Library ) . . . . .		2	
Cincinnati, Ohio . . . . .		1	
Concord . . . . .		1	
Detroit, Mich. . . . .		1	
Dover, N. H. . . . .		1	
Everett . . . . .		1	
Fall River . . . . .		1	
Fitchburg . . . . .		1	4
Groton . . . . .		1	
Hartford, Conn. . . . .		1	3
Haverhill . . . . .		1	
Hyde Park . . . . .		1	
Jersey City, N. J. . . . .		1	4
Lancaster . . . . .		1	
Lawrence . . . . .		1	3
Leicester . . . . .		1	
Los Angeles, Cal. . . . .		1	
Lynn . . . . .		1	12
Malden . . . . .		1	
Manchester, N. H. . . . .		3	4
Medford . . . . .		1	
Minneapolis, Minn. . . . .		1	3
New Bedford . . . . .		1	4
Carried forward . . . . .	377	97	962

## LIST OF DONATIONS.—Continued.

	Vols.	Pamph.	Period.
Brought forward . . . . .	377	97	962
Public Libraries ( Continued ):—			
New Haven, Conn. . . . .		1	12
New London, Conn. . . . .		2	
New Orleans, La. ( Howard Memorial Library ) . . . . .		3	
New York City . . . . .		1	12
Newark, N. J. . . . .	1	2	2
Northampton . . . . .		1	
Northampton ( Forbes Library ) . . . . .		1	
Norwich, Conn. ( Otis Library ) . . . . .		2	
Paterson, N. J. . . . .		1	
Philadelphia, Pa. . . . .		1	
Portland, Me. . . . .		1	
Portland, Ore. . . . .		1	3
Providence, R. I. . . . .		7	6
Rochester, N. H. . . . .		2	
St. Louis, Mo. . . . .		1	
Salem . . . . .		1	10
San Francisco, Cal. . . . .		1	8
Seattle, Wash. . . . .			8
Springfield . . . . .		1	4
Syracuse, N. Y. . . . .		1	
Taunton . . . . .		1	
Waltham . . . . .		1	4
Waterbury, Conn. ( Silas Waterbury Library ) . . . . .			2
Watertown . . . . .		1	
Westboro . . . . .		1	
Woburn . . . . .		1	2
Worcester . . . . .		1	
" Punch " . . . . .		1	
Putnam's ( G. P. ) Sons . . . . .	1		
Radiator . . . . .			12
Raymond & Whitcomb, pubs. . . . .		14	
Reform Club, N. Y. . . . .			10
Sadler, Ralph . . . . .	1		
Sargent, Aaron . . . . .	3		
Sawyer, Charles W. . . . .	1		
Simas, Mary L. . . . .	1		
Small, Maynard, & Co. . . . .	1		
Smyth, Thomas . . . . .		1	
Somerville, Mass. . . . .	2	1	
Somerville Journal . . . . .			104
Souther, Emery . . . . .	1		
Sterling, Mrs. D. . . . .	1		
Theosophical Book Concern . . . . .	1		
Thierry, Margaret P. . . . .	2		
Thinker . . . . .			3
Tiernan, C. B. . . . .	1		
Towle Manufacturing Company . . . . .	1		
Travelers' Record . . . . .			10
" True American," pseud. . . . .		1	
Trueman, Mrs. J. A. . . . .	1	33	
Tufts College . . . . .		1	
Carried forward . . . . .	396	186	1,174

## LIST OF DONATIONS.—Concluded.

	Vols.	Pamph.	Period.
Brought forward . . . . .	396	186	1,174
Tuftonian . . . . .			8
United States . . . . .	36	68	82
University of Pennsylvania . . . . .		1	
Wells, Webster . . . . .	1		
West, James H. . . . .	1	1	
West and Jenny . . . . .			4
West Somerville Reporter . . . . .			104
Wilder, Wm. L. . . . .	1		
Woman's Journal . . . . .			52
Wood, Henry . . . . .	2		
Woodstock College . . . . .		1	
Writer . . . . .			12
Zion's Herald . . . . .			52
Total . . . . .	437	257	1,488

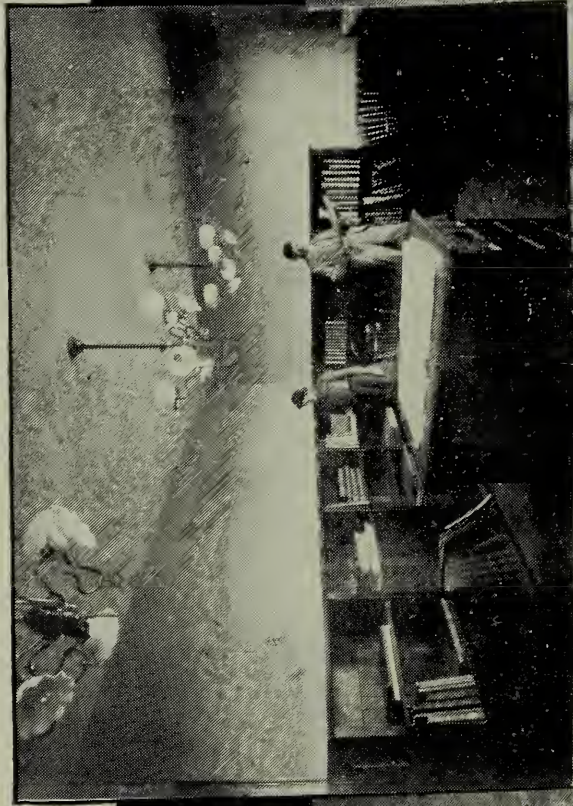
## General Work.

The general work of the Library, under the immediate supervision of Miss Adele Smith, assistant librarian, has expanded and developed in many ways. The most notable feature of this expansion is the considerable increase in our general circulation. Herewith subjoined are our circulation statistics for the current year:—

January . . . . .	24,383
February . . . . .	21,995
March . . . . .	23,340
April . . . . .	29,441
May . . . . .	21,885
June . . . . .	18,469
July . . . . .	18,070
August . . . . .	12,728
September . . . . .	13,736
October . . . . .	28,302
November . . . . .	27,045
December . . . . .	30,739
Total . . . . .	270,133

Last year our circulation was 215,448. We accordingly show an increase the present year of 54,685, or twenty-five per cent. We have perhaps been inclined to feel satisfied with our circulation figures; but when we reflect that each member of our population has averaged less than five books apiece during the year, it does not afford reason for great jubilation. Such a condition of affairs should not prevail; and unless the Library can do something to change this condition of affairs, it is not living up to the standard of its possibilities. The public library system generally, it seems to me, is especially weak in its distribut-





ART ROOM.



PICTURE ROOM.



REFERENCE ROOM.



ing capacity. In the matter of the distribution of its wares it is much behind most private business concerns. It does not adopt business methods in circulating its goods. One reason that newspapers are much more widely read than books is due to the fact that private enterprise has devised an elaborate system for delivering newspapers directly to the doors of purchasers. I do not see why it would not be entirely feasible for trustworthy boys to deliver books to houses for two cents a book—the boy, and not the Library, to retain the two cents. A book is heavier to carry than a newspaper, but a newsboy receives for himself only a half a cent for each two cent newspaper sold, and only a quarter of a cent for each one cent newspaper. Any enterprising boy who can secure a good hand-cart in the summer time, or a good sled in the winter, could probably make more money delivering library books than in selling newspapers. There are a large number of elderly persons, invalids, busy mothers, and busy men to whom such boys would be a positive boon. Of course, if a cheap library post bill could be passed by congress (and this will probably eventually be done), the general post-office would do all this work for us; and, as far as the library is concerned, it would be an ideal arrangement. But until some national system of this sort is devised it is the business of individual libraries to devise their own systems, and this system of boy-carriers, it seems to me, is a feasible one.

Of course an even better system than this, if some responsible individual would assume the enterprise, would be a system of team delivery from house to house. A man of tact and business energy should be able to establish such a system of delivery with a fair margin of profit. Private enterprise, which always, somehow, seems to get ahead of public enterprise, is already engaged in delivering books to private subscribers for a fee, and is finding it lucrative, I am told, to do so. Public libraries should lead and not follow in these things. But as it is too late for us now to lead, let us follow, as close to the front as possible.

#### **Needs of the Library.**

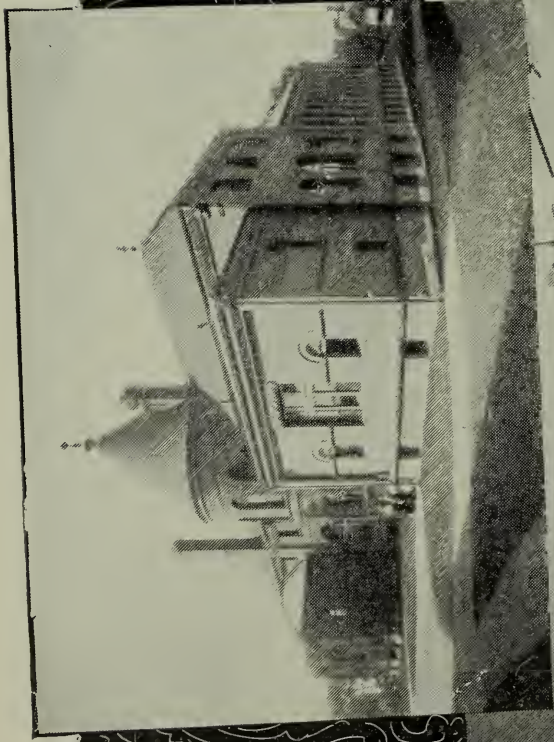
Many of the needs of the Library have already been described under the separate departments. But there are several general needs that urgently demand consideration. The greatest and most pressing need of the Library is a largely increased number of books. Our number of books has not increased at all in the same ratio as our circulation. I have estimated that we have less than forty thousand books in the circulating department of the Library. When the circulation in a single month is liable to go above thirty thousand, and perhaps, within the coming year, may even reach the forty thousand limit, it is easily apparent how utterly inadequate is our book supply. A library with our circulation ought certainly to possess twice the number of books it contains at present.

One of the strongest grievances that the patrons of the Library urge against it is their inability to obtain the popular novels of the day without long and vexatious delays. These complaints are numerous, persistent, and sometimes fierce in their intensity. But I believe that they are no more fierce than they are just. These novel readers make really a strong indictment against the Library. The complaint is made persistently that the Library has plenty of books, except the books the people want. The tax-payers feel that they have rights in this matter that the Library management is bound to respect. Public libraries everywhere are falling into disrepute simply because they do not, or cannot, gratify the dominant literary taste of the day. If a book is good, if it contains real literary merit, even if it does happen to be interesting and to be a novel, I believe that the people have a right to demand it of the Public Library; and I wish that the Library might be able to satisfy this demand at the time it is made. A library should never be "just out" of books, any more than a grocer should ever be "just out" of sugar. A business house that supplied the demands of its patrons no better than the library supplies the demands of its patrons for current novels, would go into bankruptcy without a pitying spectator. This is an age when men of genius give expression to their genius in the form of novels; just as men of genius expressed themselves in the time of Shakespeare through the drama, in the time of Addison through the essay, or the time of Wordsworth through the poem. People have a right to demand that the product and output of the current literary genius of the day shall be accessible in the institutions established to disseminate the products of literary genius—the public libraries. I would recommend that our purchase of the great current favorites in fiction should be doubled, and in some instances from twenty-five to thirty copies be bought. In the neighboring city of Medford such extra copies have been bought for the library through private donations of money for such purpose. Perhaps these Medford donors may find imitators in Somerville.

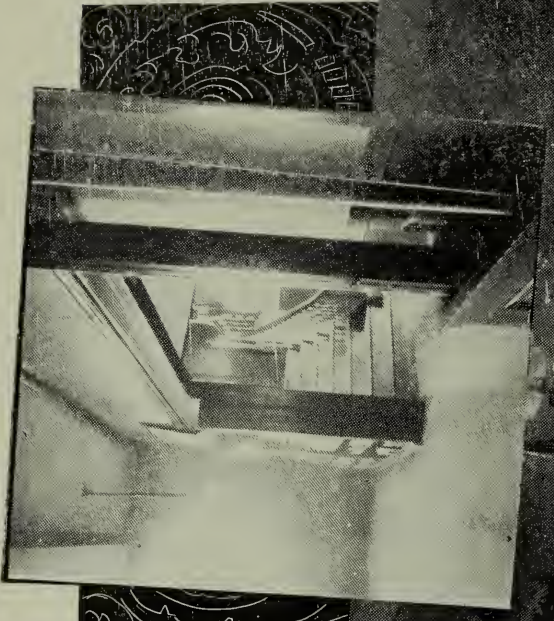
#### **Free Access.**

The next great reform that should be made in the conduct of the Library, it seems to me, is free access to all the books that are available for general circulation. Already we have free access to all the new books, and to many of the best books of all time and to all of the children's books. The system, as far as we have tried it, has worked well. In fact, no other system could prevail in the children's room. If the children did not select their own books, they could not be supplied at all in view of the great crowds that throng the room after school hours. The open-shelf system actually saves labor. It does not result, as far as we can determine, in any considerable loss of books by theft. The library should grant its patrons the same privileges.

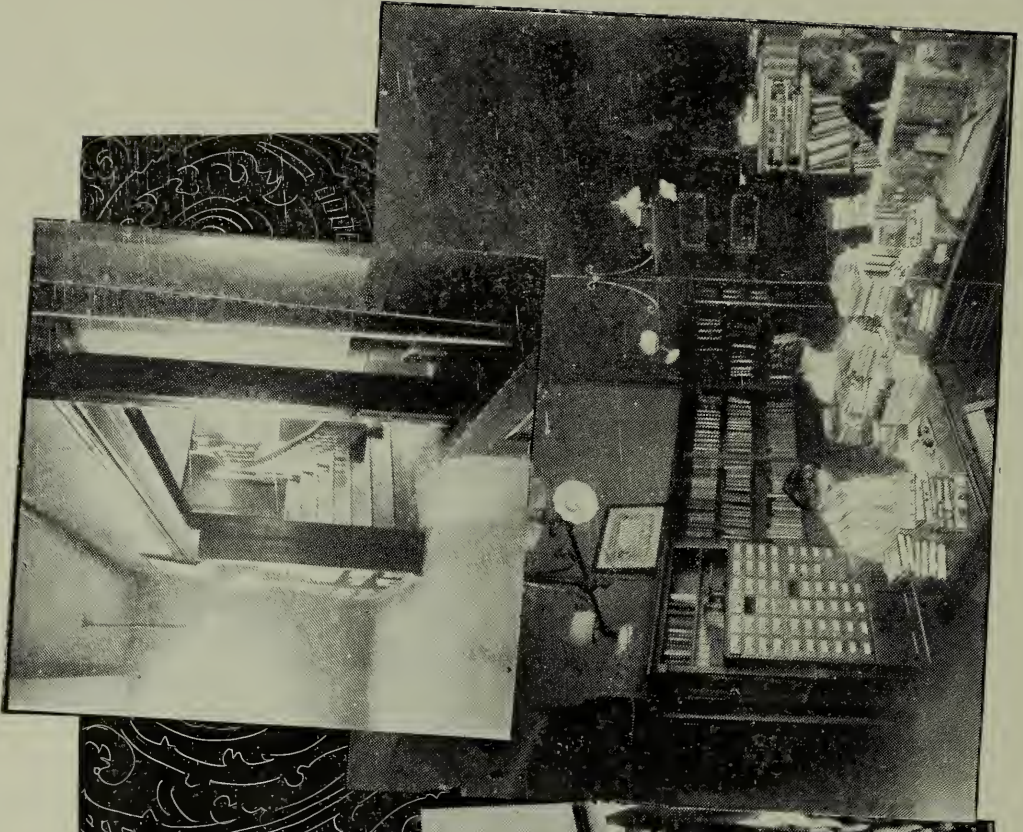




EAST AND REAR VIEW.  
NEWSPAPER ROOM.



HALL AND STAIRWAY.  
CATALOGUERS' ROOM.



HALL AND STAIRWAY.  
CATALOGUERS' ROOM.

at least, as stores grant their patrons,—the privilege of examining goods before selecting them. To carry this free access project into execution it will be necessary to complete the unfinished wing of the Library. After this is finished and such a system adopted, the internal arrangements of the Library will have been carried to a high degree of efficiency.

### Reading Rooms.

After the internal arrangements of the Library have been thus perfected, the consideration of branch reading rooms should be taken up. A reading room is narrowly local in its sphere of reaching the people. The majority of people, including women, the aged, and busy men, seldom find it convenient to travel a mile to reach one. Most people neither have the time nor the inclination to travel over half a mile. It ought to be possible in a city like Somerville to have a well-equipped reading room within a distance of half a mile of every home within its boundaries. Such rooms would be as effective toward good order and municipal wholesomeness as a curfew ordinance, or many policemen. The rent of such rooms and the salaries of their attendants, however, are almost prohibitive obstacles to their establishment, unless much more generous appropriations are given. This being the case, perhaps good schoolrooms might be obtained from the hours of 4 P. M. to 9 P. M. The sum of two hundred dollars would secure most of the principal reviews and periodicals for such a room. Perhaps a thousand books, or thereabouts, might be sent to the room from time to time for distribution; but if the house to house delivery system should be carried into execution, this would not be necessary. I hope, at least, that one such reading room as this may be established during the coming year.

Several acts of your board within the past twelve months have done much to make it easy to obtain books from the Library. One was the removal of the age limit, to which I have already referred; another was the repeal of the old regulation which compelled a would-be card holder to obtain two male residents of Somerville as sponsors before he could obtain a library card. Both these acts are in entire harmony with the new spirit of library management. It should be as easy for a man to obtain a book from a modern public library as it is to obtain a walk in the public parks or a drive in the public streets. Every possible vestige of red tape should be torn away. It is always an abomination to straightforward men, and a hindrance and a reproach to the institution that employs it.

The city that makes it easy for its people to obtain books will develop a citizenship that will be worth all the money it costs.

### Conclusion.

The Library, it seems to me, when gauged by the measure of its possibilities, is, as yet, in the infancy of its achievements. It is the business of a public library to assume the intellectual leadership of its community. The library deals in brain; and it should not confine itself exclusively to brains embodied in books, but its dealing should embrace brains in pictures and all the forms of art, brains in music, and even brains in the form of public lectures. I hope the day will come when the library can take the lead in supplying good lectures to the people. Let it be an intellectual and inspirational force along all lines of human thought. It should be a purveyor to the literary, artistic, scientific, and aesthetic needs of the city. It should not only supply these needs when developed, but should be one of the most powerful of the agencies in developing these needs. It should be animated by the missionary spirit of making intellectual living contagious. It must reach more people. In the early days of the public library its first and greatest commandment was, "Get books." That day has passed; and to-day the great commandment is, "Get the books to the people." That should be the objective point of our campaigns of the future. It is not enough that a few families should come into the library; the library itself should knock at the door of every family. It is not beyond the possibilities of a community that supplies water to all the homes that pay for it to furnish books, likewise, under the same condition. The library has very much to do along these newer lines. It seems to me the present is a propitious time to inaugurate these undertakings.

Respectfully submitted,

SAM WALTER FOSS, Librarian.

Somerville, Mass., December 28, 1900.

## REPORT OF THE BOARD OF HEALTH.

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OFFICE OF THE BOARD OF HEALTH, }  
CITY HALL, January 1, 1901. }

To His Honor, the Mayor, and the Board of Aldermen:—

Gentlemen,—We respectfully submit the following as the twenty-third annual report of the Board of Health, in which is presented a statement, tabulated and otherwise, of the sanitary condition of the city and the business of the Board for the year ending December 31, 1900:—

### **Organization.**

ALLEN F. CARPENTER, Chairman.

WILLIAM P. MITCHELL, Clerk.

CALEB A. PAGE, Agent.

### **Inspector of Animals and Provisions.**

(Acts of 1899, Chap. 408.)

CHARLES M. BERRY.

### **Inspector of Milk.**

JULIUS E. RICHARDSON.

### **Superintendent Collection of Ashes and Offal.**

GEORGE W. S. HUSE.

## 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 1900.

(SEE DESCRIPTION OF DISTRICTS IN LATTER PART OF THIS REPORT.)

	I.	II.	III.	IV.	V.	VI.	VII.	VIII.	IX.	X.	Total.
Population (estimated).	7,678	6,067	5,188	6,110	11,616	6,674	7,320	3,310	4,553	3,484	62,000
Cellar damp . . . . .	6	4	8	6	3	4	5	2	5	4	47
Cesspool offensive . . . . .	1	2	1	.....	1	.....	2	3	1	5	16
Cow barn offensive . . . . .	2	.....	1	2	1	2	.....	1	1	.....	10
Drainage defective . . . . .	10	8	11	5	6	8	4	3	5	5	65
Drainage emptying into cellar.	3	2	4	1	2	4	2	.....	2	3	23
Drainage emptying on surface.	9	4	3	2	2	6	5	4	2	3	40
Fish offal . . . . .	.....	.....	.....	1	.....	.....	1	.....	.....	1	3
Goats kept without license . .	.....	.....	.....	.....	1	.....	.....	.....	.....	1	2
Hennery offensive . . . . .	3	2	6	1	.....	1	2	.....	.....	3	18
Hens kept in cellar . . . . .	2	.....	.....	.....	.....	.....	2	.....	.....	.....	4
Manure exposed and offensive	5	6	8	5	4	4	6	2	4	3	47
Manure pit defective . . . . .	3	2	2	1	3	2	1	.....	2	4	20
Offal on land . . . . .	11	6	10	8	4	7	3	2	4	8	63
Offensive odor in and about dwellings . . . . .	5	2	3	5	3	4	4	1	3	4	34
Pigeons kept in chamber . . . .	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	1
Pigs kept without license . . . .	2	.....	.....	.....	.....	.....	.....	.....	.....	.....	2
Premises filthy . . . . .	2	.....	.....	1	.....	1	.....	.....	.....	.....	5
Premises untidy . . . . .	14	9	6	11	8	9	8	2	4	6	77
Privy-vault offensive . . . . .	31	5	4	10	7	7	.....	.....	2	.....	66
Rubbish in cellar . . . . .	6	3	4	6	5	4	3	2	3	4	40
Sewage-gas in house . . . . .	4	4	8	7	6	7	4	1	4	5	50
Slops thrown on surface . . . . .	2	1	2	4	1	4	.....	.....	1	.....	15
Stable infected with glanders .	16	7	.....	2	7	3	4	.....	1	2	42
Stable and stable premises filthy and offensive . . . . .	2	1	2	2	1	1	1	1	.....	2	13
Stable without drainage . . . . .	4	1	1	2	1	.....	1	.....	1	1	12
Stagnant water on surface . . . .	2	.....	2	2	.....	.....	.....	.....	2	.....	8
Waste-pipe defective . . . . .	6	3	2	6	2	2	4	4	3	2	34
Waste-pipe not trapped . . . . .	2	2	1	3	1	1	1	2	4	1	18
Water-closet defective . . . . .	6	3	4	1	2	2	1	3	1	4	27
Water-closet insufficiently supplied with water . . . . .	8	4	6	5	2	5	3	2	4	5	41
Water-closet offensive . . . . .	11	8	2	4	3	4	2	1	3	4	42
Water in cellar . . . . .	3	1	4	2	1	2	.....	.....	2	1	16
Water under stable . . . . .	5	2	1	1	.....	1	2	1	1	2	16
Total . . . . .	186	92	107	106	77	95	71	37	65	84	920

Number of nuisances abated . . . . .	920
Number of nuisances referred to Board of 1901 . . . . .	85
Number of nuisances complained of . . . . .	1,005
Number of complaints (many covering more than one nuisance) . . . . .	496
Number of notices mailed . . . . .	519
Number of notices served by constables . . . . .	37

In addition to the above, 187 dead animals have been removed from the public streets, and many nuisances have been abated on verbal notice from the agent, without action by the Board, of which no record has been made. Each spring the whole city is examined, and cellars, yards, and alleyways where rubbish and filth have collected are required to be cleaned.



*Glanders.*—Forty-two cases of glanders have been reported during the year. Prompt action was taken in every case, and thirty-nine of the horses were killed, three 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.*—Twenty-eight applications were received for permits to keep 168 cows. Twenty-five permits to keep 159 cows were granted, and three permits were refused.

*Swine.*—Thirteen applications were received for permits to keep nineteen swine. Twelve permits were granted to keep eighteen swine, and one permit was refused. The fee is one dollar for each swine.

*Goats.*—Four applications were received for permits to keep four goats. All were granted. The fee is one dollar for each goat.

*Grease.*—Eleven applications were received for permits to collect grease, all of which were granted. The fee is two dollars. Three of the parties licensed reside in Somerville, two in Charlestown, three in Cambridge, two in Boston, and one in Malden.

*Manure.*—Two 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.

#### Peddlers.

One hundred and forty certificates of registration were issued to hawkers and peddlers during the year under the provisions of ordinance No. 30,—a decrease of seven from the year 1899. 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.

Sixteen men, with twelve horses, ten carts and one paper wagon are employed in the work.

The number of loads collected each month during the year was as follows:—

January	2,542
February	2,413
March	2,849
April	2,533
May	2,634
June	2,073
July	1,743
August	1,712
September	1,844
October	2,082
November	2,077
December	2,844
Total	27,346

The collections are made weekly, as follows:—

Monday	in district one.
Tuesday	“ two.
Wednesday	“ three.
Thursday	“ four.
Friday	“ five.
Saturday	“ six.

Materials for removal must be free from filth and offal, must be placed in barrels or boxes, and must be set on the outer edge of the sidewalk before seven o'clock in the morning of the day when the collection is to be made.

The districts were established by the Board of Health of 1890, and are bounded as follows:—

District 1.—Beginning at the Boston line and bounded by the northeasterly line of Pearl street, the southeasterly line of Walnut street, the northeasterly line of Highland avenue, the easterly line of Medford street, the northerly line of Washington street, the northwesterly line of Prospect street, the northerly line of Concord avenue, extended across Beacon street to the Cambridge line, and by the Cambridge and Boston lines.

District 2.—Beginning at the Boston line and bounded by the northeasterly line of Pearl street, the southeasterly line of Walnut street, the northeasterly line of Broadway, the northeasterly line of Main street, and by the Medford and Boston lines.

District 3.—Beginning at the Medford line and bounded by the southeasterly line of Cedar street, the northeasterly line of Highland avenue, the southeasterly line of Walnut street, the northeasterly line of Broadway, the northeasterly line of Main street, and by the Medford line.

District 4.—Beginning at the intersection of Medford and Washington streets, and bounded by the northerly line of Washington street, the northwesterly line of Prospect street, the northeasterly line of Somerville avenue, the southeasterly line of School street, the northeasterly line of Summer street, the southeasterly line of Cedar street, the northeasterly line of Highland avenue, and the easterly line of Medford street to Washington street.

District 5.—Beginning at the intersection of Prospect street and Somerville avenue, and bounded by the northwesterly line of Prospect street, the northerly line of Concord avenue, prolonged to the Cambridge line, the Cambridge line (extending westwardly), the southeasterly lines of Oxford, Mossland, and Cedar streets, the northeasterly line of Summer street, the southeasterly line of School street, and the northeasterly line of Somerville avenue to Prospect street.

District 6.—All of that portion of the city lying west of the southeasterly lines of Cedar, Mossland, and Oxford streets.

It will be seen by these descriptions that the side lines of streets are used as boundaries, and not the middle lines; so that ashes are removed from the sidewalks on both sides of a street on the same day.

#### 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 eleven horses and eleven wagons.

The following table, showing the number of loads collected each month during the year, may be of interest:—

January	. . . . .	497
February	. . . . .	432
March	. . . . .	547
April	. . . . .	441
May	. . . . .	504
June	. . . . .	469
July	. . . . .	469
August	. . . . .	538
September	. . . . .	526
October	. . . . .	514
November	. . . . .	481
December	. . . . .	540
Total	. . . . .	5,958

#### Stables.

The following is a copy of an Act of the Legislature of 1895, Chapter 213, 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:—

Section 1.—No person shall hereafter erect, occupy, or use for a stable any building in any city whose population exceeds twenty-five thousand, unless such use is licensed by the Board of Health of said city, and in such case only to the extent so licensed.

Sect. 2.—The foregoing provisions shall not be construed to prevent any such occupation and use which may be authorized by law at the time of the passage of this act, to the extent and by the person or persons so authorized; provided, however, that the Board of Health of any such

city may make such regulations or orders respecting the drainage, ventilation, number of animals, and the storage and handling of manure in any existing stables in their respective cities as, in their judgment, the public health requires.

Sect. 3.—Whoever violates the provisions of this act, or of any regulation or order made pursuant thereto, shall be punished by a fine of five dollars for each day such offense continues; and any court having equity jurisdiction may restrain any such erection, occupation, or use contrary to the provisions of this act.

The number of petitions received for licenses to erect stables under the above law was thirty-three.

Number granted . . . . .	15
Number refused . . . . .	14
Petitions referred to next Board . . . . .	4

**Board of Infants.**

Eight parties have been licensed to care for sixteen children, under the provisions of Chapter 318, Acts of 1892.

**Deaths.**

There were 967 deaths and forty-one stillbirths in the city during the year, as specified in the following table, which shows an increase of deaths over the previous year of one hundred and sixty-six:—

Deaths at Somerville Hospital during the year . . . . .	50
Deaths at Home for Aged Poor (Highland avenue) . . . . .	37
Deaths at Home for Aged (Pleasant avenue) . . . . .	1
Deaths at City Home . . . . .	1

**DEATHS BY AGES.**

AGES.	Total.	Male.	Female.
Under one . . . . .	226	135	91
One to two . . . . .	44	16	28
Two to three . . . . .	21	10	11
Three to four . . . . .	14	5	9
Four to five . . . . .	13	9	4
Five to ten . . . . .	35	18	17
Ten to fifteen . . . . .	21	11	10
Fifteen to twenty . . . . .	20	7	1
Twenty to thirty . . . . .	72	27	45
Thirty to forty . . . . .	64	30	34
Forty to fifty . . . . .	58	28	30
Fifty to sixty . . . . .	91	52	39
Sixty to seventy . . . . .	108	47	61
Seventy to eighty . . . . .	102	52	50
Eighty to ninety . . . . .	63	21	42
Ninety and over . . . . .	15	4	11
	<b>967</b>	<b>472</b>	<b>495</b>

Of the stillborn, 27 were males and 14 females.



## Mortality in Somerville in 1900.—Concluded.

	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Total.
<b>LOCAL DISEASES.</b>													
<b>DIGESTIVE ORGANS.</b>													
Gastritis . . . . .				1			2	2	1	2	1	1	10
Peritonitis . . . . .	2		2	3			3	1	1		1		13
Hepatitis . . . . .		1					1	1	1			1	5
Liver disease . . . . .	1		1	1				1	1	1	1		6
Gastric ulcer . . . . .					1			1					2
Enteritis . . . . .	1		1	1	1	1		3	4	3	1		16
Hæmatemesis . . . . .							1	1		1		1	4
Hernia . . . . .					1					1			2
Appendicitis . . . . .			1		1	2	1						5
Cirrhosis . . . . .						1		3		1		1	6
<b>GENITO-URINARY ORGANS.</b>													
Bright's disease . . . . .	2	3	1	3	1	1		2		2	1	3	19
Diabetes . . . . .					1	1		1			1	1	5
Cystitis . . . . .								1		1		1	3
Nephritis . . . . .		3	3	1		3		4	1	3	1	4	23
Childbirth . . . . .	1	2											3
Eclampsia . . . . .										1			1
<b>INTEGUMENTARY SYSTEM.</b>													
Abcess . . . . .		1	1					1					3
Pemphigus . . . . .		1										1	2
Eczema . . . . .			1										1
Ulcer . . . . .						1		1	1				3
Pediculosis . . . . .							1						1
<b>DEVELOPMENTAL DISEASES.</b>													
<b>OF CHILDREN.</b>													
Inanition . . . . .	3	1		4	1	2	2	6	5	1		2	27
Premature birth and congenital debility . . . . .	1	3	3	4	2	6	2	5	3	4		3	36
Mal-formation . . . . .												2	2
<b>OF OLD PEOPLE.</b>													
Old age . . . . .	6	3	5	3	4	3	3	1	5	1	3	1	38
<b>VIOLENT DEATHS.</b>													
Shock from electric wire . . . . .				1								1	2
Railroad . . . . .	1	1		1		1		1		1			6
Suicide . . . . .							1						1
Accidental poisoning . . . . .			1							1		1	3
Sunstroke . . . . .									1				1
Accidental drowning . . . . .							4	1					5
Burning . . . . .							6	1					7
Alcoholism . . . . .			1	1							1		3
Fracture of hip . . . . .				1			1						2
Fracture of skull . . . . .		1									2	2	5
Fracture of spine . . . . .				1				1					2
Injury to head . . . . .			1										1
Suffocation . . . . .							1						1
Total . . . . .	72	74	119	90	74	58	91	101	83	70	54	81	967
Stillborn . . . . .	1	5	4	4	3	3	4	2	2	7	5	1	41

Population (estimated) . . . . . 62,000  
 Death rate per thousand . . . . . 15.6

*Social Relations of Decedents.*

Married . . . . .	298
Single . . . . .	486
Widow . . . . .	129
Widower . . . . .	51
Divorced . . . . .	1
Unknown . . . . .	2
	<hr/>
Total . . . . .	967

*Nativity of Decedents.*

Somerville . . . . .	322
Massachusetts . . . . .	218
Other New England states . . . . .	128
Other states . . . . .	23
Canada . . . . .	78
England, Scotland, and Wales . . . . .	35
Ireland . . . . .	126
Italy . . . . .	4
Norway and Sweden . . . . .	12
Russia . . . . .	4
Other countries . . . . .	10
Unknown . . . . .	7
	<hr/>
Total . . . . .	967

*Nativity of Parents of Decedents.*

	Father.	Mother.
Somerville . . . . .	18	17
Massachusetts . . . . .	187	209
Other New England states . . . . .	157	134
Other states . . . . .	26	21
Canada . . . . .	114	137
England, Scotland, and Wales . . . . .	72	60
Ireland . . . . .	268	272
Italy . . . . .	16	17
Norway and Sweden . . . . .	18	12
Russia . . . . .	14	14
Other countries . . . . .	20	11
Unknown . . . . .	57	63
	<hr/>	<hr/>
Total . . . . .	967	967

Of the parents of the stillborn, 24 fathers and 20 mothers were natives of the United States and 17 fathers and 21 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, 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 conveniently printed and addressed are supplied to them for the purpose. On receipt of a card from a physician, the Superintendent of Schools, the principal of the school in the district in which the patient resides, and the Librarian of the Public Library are notified.

*Scarlet Fever.*—Two hundred and thirty-one cases of scarlet fever have been reported during the year, seven of which resulted fatally. In 1899 there were one hundred and fifty-seven cases, three of which resulted fatally.

*Diphtheria.*—Five hundred and twenty cases of diphtheria have been reported during the year, forty-nine of which were fatal. In 1899 there were one hundred and forty-seven cases, eleven of which proved fatal. Anti-toxin has been provided, though often in insufficient quantities, 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. Recognizing the superior advantages to the community of an unrestricted and general supply of culture tubes easy of access to physicians called to cases of suspected diphtheria, the Board arranged in the latter part of the year to supply its own culture outfit boxes, and distributed them from a half a dozen pharmacies in different sections of the city. Sputum bottles, also, for suspected tuberculosis have been obtainable at the same stations. Since prompter and daily reports upon cultures from cases of suspected diphtheria were found to be necessary, the Board established a bacteriological laboratory, and during the infancy of the new tentative enterprise, Dr. Arthur R. Perry has been performing efficiently the duties of bacteriologist in his capacity as City Physician. 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 a 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. In May the prevalence of diphtheria necessitated the closing of the Pope School, and a thorough cleansing and disinfecting of the building.

*Typhoid Fever.*—Seventy-two cases of typhoid fever have been reported during the year, nine of which have proved fatal. In 1899 there were seventy-three cases reported, fifteen of which were fatal.

*Typhus Fever, Smallpox, Cholera.*—No cases of typhus fever, smallpox, or cholera have been reported the past year.

Number of houses placarded . . . . .	751
Premises disinfected by agent . . . . .	796



**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.

**SCHOOL INSPECTION.**

A system of daily medical inspection of the public schools by qualified physicians would exclude from our schoolrooms some mild cases of diphtheria and other infectious diseases, for not infrequently persons so infected are able to attend school. Cities that have adopted this daily inspection claim to have good results and endorse the measure. It is hoped that the coming year the inspection may be made in this city, as it is strongly recommended by this Board.

**CONTAGIOUS HOSPITAL.**

The large number of cases among domestics in families, and persons in lodging houses and tenements, with no means of isolation, clearly demonstrated the need, for the protection of the city, of a hospital for persons sick with contagious disease. Recognizing this need, the Board voted to send the following communication to His Honor, the Mayor.

November 2, 1900.

Hon. George O. Proctor, Mayor of the City of Somerville:—

Dear Sir: At a meeting of the Board of Health, held this date, it was voted to request that hospital accommodations be provided for the care and treatment of persons suffering from contagious diseases dangerous to the public health. In the opinion of said Board, the safety of the inhabitants of the city demands that suitable accommodations should be provided for the reception and treatment of persons suffering from such diseases.

This action is taken under Chapter 511 of the Acts of the General Court for the year 1894.

Respectfully submitted for the Board of Health,  
WM. P. MITCHELL, Clerk.

**TABLES.**

The prevalence of scarlet fever, diphtheria, and typhoid fever in the city during the several months of the year 1900 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:—

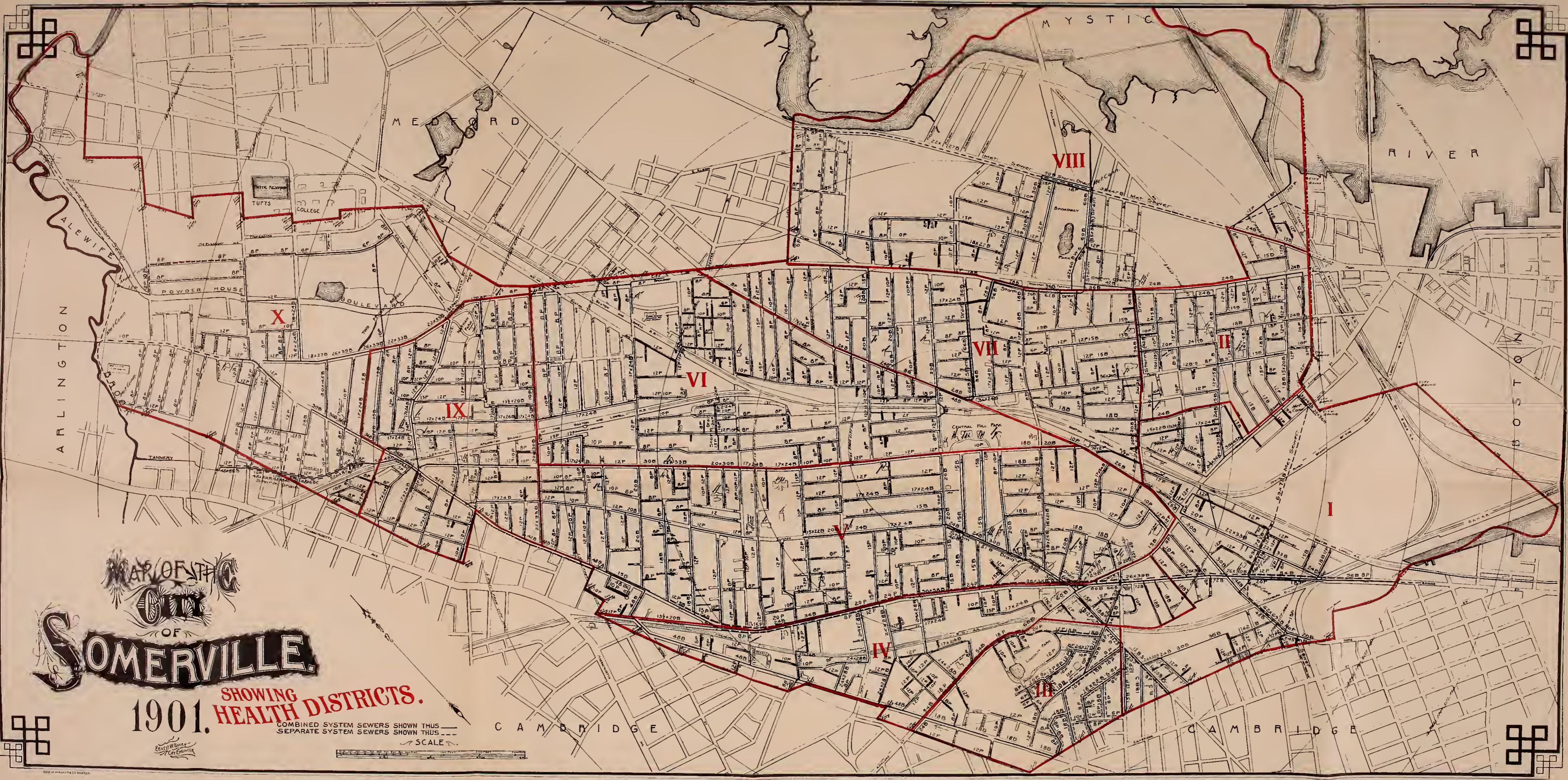
Scarlet Fever, Diphtheria, and Typhoid Fever Reported in 1900.

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 . . . . .	27	....	....	39	7	17.9	3	....	....
February . . . . .	45	1	2.2	33	1	3.1	4	1	25.
March . . . . .	28	....	....	34	5	14.7	1	1	100.
April . . . . .	15	2	1.3	18	2	11.1	....	....	....
May . . . . .	13	....	....	25	5	20.	4	....	....
June . . . . .	3	....	....	41	3	7.3	1	....	....
July . . . . .	7	....	....	35	4	11.4	1	....	....
August . . . . .	8	....	....	26	....	....	7	1	14.3
September . . . . .	8	....	....	32	9	28.1	14	1	7.1
October . . . . .	22	1	4.5	72	6	8.3	15	3	20.
November . . . . .	22	2	9.1	100	3	3.	12	2	16.6
December . . . . .	33	1	3.1	65	4	6.2	10	....	....
Total . . . . .	231	7	3.0	520	49	9.4	72	9	12.5

Deaths from Scarlet Fever, Diphtheria, and Typhoid Fever in the Last Ten Years.

MONTHS.	SCARLET FEVER.										DIPHTHERIA.										TYPHOID FEVER.									
	1891.	1892.	1893.	1894.	1895.	1896.	1897.	1898.	1899.	1900.	1891.	1892.	1893.	1894.	1895.	1896.	1897.	1898.	1899.	1900.	1891.	1892.	1893.	1894.	1895.	1896.	1897.	1898.	1899.	1900.
January . . . . .	..	..	1	7	8	..	..	..	..	..	2	2	2	2	4	12	..	2	1	7	1	..	..	2	..	2	..	2	1	..
February . . . . .	..	..	..	3	5	..	..	..	..	1	..	..	1	3	1	5	2	..	2	1	..	2	..	..	..	1	..	2	1	1
March . . . . .	..	3	..	7	2	1	2	..	..	..	..	2	2	4	6	3	4	..	..	5	1	..	..	..	..	1	..	..	..	1
April . . . . .	..	2	..	3	1	..	2	..	2	..	1	2	2	1	6	5	5	1	..	2	2	..	1	..	..	2	1	2	..	..
May . . . . .	1	4	..	7	..	..	..	..	..	..	1	1	2	3	4	4	7	1	1	5	..	..	..	2	..	1	1	1	1	..
June . . . . .	1	..	..	4	..	..	..	..	..	..	..	..	..	..	..	2	1	..	..	3	..	..	..	1	1	2	..	..	..	..
July . . . . .	..	1	..	4	1	..	..	..	..	..	1	..	..	1	2	5	1	..	..	4	..	1	..	1	1	1	2	..	1	..
August . . . . .	..	..	..	3	..	1	..	..	..	..	..	..	..	4	3	2	..	3	..	..	..	1	3	1	2	2	2	1	2	1
September . . . . .	..	..	2	1	..	..	..	..	..	..	3	..	1	..	2	2	7	..	9	..	2	2	2	2	2	6	3	2	..	..
October . . . . .	..	1	..	3	..	2	..	..	1	..	3	..	1	4	3	1	5	..	1	6	2	3	3	..	4	3	2	1	1	3
November . . . . .	..	..	9	7	..	..	..	..	2	..	4	1	2	5	4	7	8	2	1	3	3	..	2	2	..	5	1	..	3	2
December . . . . .	..	3	7	2	..	1	..	..	3	1	3	..	..	1	8	6	1	1	5	4	..	..	2	2	1	1	..	1	3	..
Total . . . . .	2	14	19	51	17	5	6	0	3	7	18	8	11	28	43	54	44	10	11	49	11	11	13	13	10	26	11	11	15	9





MAP OF THE  
**CITY**  
 OF  
**SOMERVILLE.**

1901. **SHOWING HEALTH DISTRICTS.**

COMBINED SYSTEM SEWERS SHOWN THUS ———  
 SEPARATE SYSTEM SEWERS SHOWN THUS - - -

SCALE



### 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; also the locations of common sewers.

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, 1900, 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.		
In 1900.	7,678		6,067		5,188		6,110		11,616		6,674		7,320		3,310		4,553		3,484		62,000		
	1,021		1,025		839		1,004		2,107		1,213		1,257		592		844		753		10,655		
	7.5		5.9		6.2		6.1		5.5		5.5		5.9		5.6		5.4		4.7		5.8		
YEAR.	1891 . . . . .	169	22	71	9	23	20	103	15	120	75	42	17	83	25	33	14	12	761	18			
	1892 . . . . .	139	17	75	9	42	13	76	14	144	65	34	17	27	19	44	17	25	696	16			
	1893 . . . . .	161	18	80	9	63	16	94	16	180	20	64	12	59	13	23	9	27	18	790	15		
	1894 . . . . .	157	22	66	12	86	19	117	21	188	18	70	13	64	10	43	17	27	11	855	16		
	1895 . . . . .	136	19	76	14	91	20	94	17	184	17	77	15	67	16	29	12	29	8	40	17	823	16
	1896 . . . . .	155	22	94	18	77	17	105	19	180	16	97	16	82	13	46	16	36	9	52	21	924	17
	1897 . . . . .	158	22	80	15	80	16	88	17	170	15	93	15	68	12	40	14	29	8	53	18	859	15
	1898 . . . . .	161	23	67	13	79	16	88	17	194	18	92	15	93	14	28	9	50	12	28	9	880	15
	1899 . . . . .	102	14	68	13	81	16	113	19	155	14	87	14	87	12	34	11	46	11	28	9	801	13
	1900 . . . . .	134	17	92	15	87	16	115	19	229	20	82	13	82	11	41	12	54	12	51	15	967	16
Average death rate per 1,000 for } ten years . . . . .	20		13		17		18		17		20		13		15		11		15		16		

**Table Showing the Five Principal Causes of Death in Somerville in 1900, with the Number and Rate in Each District.**

DISTRICTS.	PNEUMONIA.		TUBERCULOSIS		HEART DISEASE.		CHOLERA INFANTUM.		DIPHThERIA.	
	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. . . . .	17	2.21	17	2.21	7	0.91	16	2.09	11	1.30
II. . . . .	8	1.32	11	1.81	10	1.55	3	0.49	1	0.16
III. . . . .	11	2.12	9	1.74	9	1.74	7	1.55	7	1.35
IV. . . . .	16	2.62	14	2.29	11	1.80	4	0.66	7	1.15
V. . . . .	19	1.64	12	1.03	13	1.12	3	0.26	8	0.69
VI. . . . .	10	1.49	10	1.49	5	0.75	5	0.75	4	0.59
VII. . . . .	10	1.37	9	1.23	9	1.23	1	0.14	2	0.27
VIII. . . . .	5	1.51	3	0.91	4	1.21	2	0.60	2	0.60
IX. . . . .	8	1.76	8	1.76	5	1.09	3	0.66	1	0.22
X. . . . .	7	2.01	9	2.59	8	2.29	7	2.01	6	1.73
Total . . . . .	111	1.79	102	1.65	81	1.31	51	0.82	49	0.79

**Table of Scarlet Fever, Diphtheria, and Typhoid Fever in Each District in 1900.**

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. . . . .	36	1	4.69	0.13	92	11	11.98	1.30	9	..	1.17	....
II. . . . .	11	..	1.81	....	43	1	7.09	0.16	6	..	0.99	....
III. . . . .	19	1	3.66	0.19	53	7	10.22	1.35	11	..	2.12	....
IV. . . . .	29	3	4.75	0.49	97	7	15.88	1.15	13	..	2.13	....
V. . . . .	48	..	4.13	....	59	8	5.08	0.69	11	5	0.95	0.43
VI. . . . .	17	..	2.55	....	60	4	8.99	0.59	6	1	0.89	0.15
VII. . . . .	20	2	2.73	0.27	35	2	4.78	0.27	7	1	0.96	0.14
VIII. . . . .	15	..	4.53	....	23	2	6.99	0.30	2	1	0.60	0.30
IX. . . . .	17	..	3.71	....	31	1	6.81	0.22	5	1	1.49	0.22
X. . . . .	19	..	5.45	....	27	6	7.75	1.73	2	..	0.58	....
Total . . . . .	231	7	3.73	0.11	520	49	8.39	0.79	72	9	1.16	0.15

# 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.	1894.			1895.			1896.			1897.			1898.			1899.			1900.			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.			
I. . . . .	{ Cases . . . . .	13.98	1.44	1.15	4.47	5.19	0.86	1.42	11.96	1.40	4.29	8.74	1.39	1.35	1.08	0.40	9.40	2.43	0.81	4.69	11.98	1.17	5.60	6.12	1.03	
	{ Deaths . . . . .	2.73	0.57	0.14	0.86	1.04	...	0.28	2.25	...	0.28	1.53	0.42	...	0.13	...	...	0.27	...	0.13	1.30	...	0.61	1.01	0.08	
II. . . . .	{ Cases . . . . .	4.45	1.30	0.74	2.10	4.27	1.86	0.72	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	2.19	4.84	1.19	
	{ Deaths . . . . .	...	0.18	0.18	0.19	1.11	0.74	...	1.25	0.72	0.18	0.53	0.36	...	0.17	0.34	...	0.51	0.34	...	0.16	...	0.05	0.56	0.38	
III. . . . .	{ Cases . . . . .	11.98	4.41	1.33	5.32	7.77	1.33	1.49	5.97	1.07	3.77	6.27	0.42	1.39	2.19	0.36	1.99	5.09	0.39	3.66	10.12	2.12	4.23	5.99	1.01	
	{ Deaths . . . . .	1.99	1.33	...	0.22	0.66	...	...	0.21	0.43	0.21	1.05	...	...	0.60	0.36	...	0.59	0.39	0.19	1.35	...	0.37	0.83	0.17	
IV. . . . .	{ Cases . . . . .	14.37	3.73	0.74	5.41	5.60	1.49	2.14	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	4.99	5.73	1.32	
	{ Deaths . . . . .	2.24	1.49	0.18	0.74	1.68	0.37	...	1.25	0.36	...	0.71	1.17	...	...	...	...	0.34	...	0.49	1.15	...	0.49	0.95	0.29	
V. . . . .	{ Cases . . . . .	5.75	2.49	1.34	4.13	6.05	0.48	2.24	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	3.19	3.63	0.94	
	{ Deaths . . . . .	0.38	0.67	0.38	0.69	1.5	0.29	...	0.72	0.72	0.09	0.35	0.18	...	...	0.17	0.18	...	0.35	...	0.69	0.43	0.11	0.53	0.56	
VI. . . . .	{ Cases . . . . .	9.85	0.94	0.94	3.03	2.08	0.57	2.84	7.18	1.00	2.71	7.05	0.95	0.93	1.08	0.77	3.59	2.34	1.72	2.55	8.99	0.89	3.64	4.27	0.98	
	{ Deaths . . . . .	0.75	...	0.18	0.19	0.38	...	...	0.67	...	0.17	0.95	0.17	...	0.15	...	...	...	0.16	...	...	0.59	0.15	0.16	0.59	0.09
VII. . . . .	{ Cases . . . . .	4.69	...	0.62	2.81	3.44	1.09	3.45	6.87	1.05	2.01	7.55	1.62	1.14	2.41	0.85	1.54	1.96	2.09	2.73	4.78	0.96	2.63	3.89	0.96	
	{ Deaths . . . . .	0.15	...	0.31	0.31	0.31	...	0.15	0.75	0.45	...	0.88	0.14	...	0.43	0.43	0.14	...	0.16	0.7	0.27	0.14	0.15	0.38	0.29	
VIII. . . . .	{ Cases . . . . .	8.29	4.56	0.82	4.52	2.49	1.66	8.44	11.00	2.93	4.51	4.19	1.61	2.80	1.25	0.62	1.22	2.49	...	4.53	6.99	0.60	4.90	4.71	1.18	
	{ Deaths . . . . .	0.41	0.82	0.41	...	...	...	0.38	1.83	1.10	...	0.64	0.32	...	...	0.31	...	...	...	...	0.30	0.30	0.11	0.51	0.35	
IX. . . . .	{ Cases . . . . .	6.35	1.38	1.92	2.77	2.49	1.65	1.77	3.54	2.78	1.69	4.56	0.72	0.70	0.93	1.63	3.95	3.66	2.79	3.71	6.81	1.09	2.99	3.28	1.79	
	{ Deaths . . . . .	0.27	...	0.5	...	0.28	0.28	0.25	...	0.51	...	0.28	...	...	...	0.23	...	0.23	0.47	...	0.22	0.22	0.08	0.15	0.33	
X. . . . .	{ Cases . . . . .	6.49	2.59	1.73	8.23	4.76	2.60	6.43	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	4.49	3.73	1.76	
	{ Deaths . . . . .	...	...	...	0.43	...	...	...	0.41	0.81	...	0.69	...	...	0.32	...	...	...	...	...	...	1.73	...	0.06	0.45	0.12
City . . . . .	{ Cases . . . . .	8.59	2.09	1.10	4.12	4.68	1.16	2.53	7.68	1.57	2.72	5.51	0.86	1.33	1.33	0.96	2.62	2.45	1.22	3.73	8.39	1.16	6.66	4.58	1.14	
	{ Deaths . . . . .	0.96	0.53	0.24	0.32	0.81	0.19	0.09	0.96	0.46	0.11	0.76	0.19	...	0.17	0.18	0.15	0.18	0.25	0.11	0.79	0.15	0.24	0.60	0.24	



**Undertakers.**

The duty of issuing licenses to undertakers was transferred to Boards of Health by the following provision of law:—

[Acts of 1897, Chapter 437, Section 7.]

“Section 7. The boards of health of cities and towns shall, on or before the first day of May in each year, license a suitable number of undertakers who can read and write the English language, to take charge of the funeral rites preliminary to the interment, removal, or cremation of a human body. Such licenses shall be issued under such terms and upon such conditions as the Board of Health may prescribe, and may be revoked at any time by the board when such terms or conditions or any requirements of law relative thereto have been violated by the undertaker; provided, however, that an undertaker so licensed shall have the right to act thereunder in any city or town in the Commonwealth.”

Under the above law, fifteen undertakers received licenses.

**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 report of the number of licenses granted will be found in the report of the Inspector of Buildings.

**Appropriation for Health Department and Expenditures Therefrom.**

## CREDIT.

Appropriation . . . . .	\$30,000 00	
Sale of offal to Hannibal S. Pond . . . . .	1,025 00	
Sale of manure . . . . .	19 00	
Sale of three horses . . . . .	110 00	
Permit fees to keep swine and goats and collect grease . . . . .	44 00	
Fees received from Milk Inspectors:—		
J. E. Richardson . . . . .	\$140 40	
C. S. Philbrick . . . . .	3 50	
	<hr/>	143 90
Total credit . . . . .		<hr/> \$31,341 90

## DEBIT.

Expenditures:—		
For Agent's salary . . . . .	\$1,200 00	
Salary of Superintendent of ashes and offal . . . . .	900 00	
Salary of Inspector of Animals and Provisions . . . . .	600 00	
Salary of Inspector of Milk and Vinegar . . . . .	400 01	
Collection of ashes . . . . .	8,738 33	
Amounts carried forward . . . . .	<hr/> \$11,838 34	<hr/> \$31,341 90

Amounts brought forward . . . . .	\$11,838 34	\$31,311 90
Collection of offal . . . . .	11,819 00	
Burying dead animals . . . . .	93 50	
Stable expenses . . . . .	626 00	
Hay and grain . . . . .	2,983 94	
New horses (six) . . . . .	1,135 00	
Horse doctoring . . . . .	133 90	
Horse shoeing . . . . .	478 93	
Insurance on horses . . . . .	24 00	
Harnesses and horse clothing . . . . .	512 53	
Wagons and sleds, and repairing same . . . . .	1,129 76	
Vaccine virus . . . . .	17 43	
Expressing culture tubes and anti-toxin . . . . .	34 05	
Office expenses of Milk Inspector (ap- paratus, etc.) . . . . .	113 54	
Tools, and repairing same . . . . .	88 12	
Books, stationery, etc. . . . .	178 45	
Incidentals . . . . .	357 98	
	<hr/>	
Total expenditure . . . . .		\$31,564 47
		<hr/>
Amount overdrawn . . . . .		\$222 57
		<hr/> <hr/>

ALLEN F. CARPENTER, Chairman.  
 ALVANO T. NICKERSON,  
 ARTHUR R. PERRY, M. D.,  
 Board of Health.

## REPORT OF INSPECTOR OF ANIMALS AND PROVISIONS.

Somerville, Mass., January 1, 1901.

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

Gentlemen,—I beg leave to submit the following report as inspector of animals and provisions for the year ending December 31, 1900.

The following is a statement of the animals killed during the year at the five slaughtering establishments in the city: John P. Squire & Co. Corporation, Medford street, 518,896 swine; North Packing and Provision Co., Medford street, 707,065 swine; New England Dressed Meat and Wool Co., Medford street, 288,435 sheep, 51,493 calves, 16,044 cattle, 372 swine; Sturtevant & Haley Beef and Supply Co., Somerville avenue, 4,905 cattle; Rachel Gunsenhiser, North street, 720 cattle, 229 calves; total number of animals slaughtered, 1,588,159. 27,257 sheep and lambs and 5,437 cattle have been quarantined at Somerville before shipping to Europe. Brighton, Watertown, and Somerville are quarantine stations established by the State Board of Cattle Commissioners.

I have made 327 visits to slaughter houses, 515 visits to grocery and provision stores and markets, finding most of them in good condition, and have inspected 587 peddlers' carts.

There are 284 cows and 68 swine kept in the city for domestic purposes. All cow barns, forty-two in number, were measured this year, under the rules of the cattle commission.

Twelve horses were quarantined, of which three were released, and the remaining nine were killed by order of the commissioners. Thirty additional horses were affected with contagious disease, and killed with the consent of the owners.

I have visited several stables where a large number of horses are kept, examined 855 horses where contagious disease has been reported, and thoroughly cleansed all stables where horses were killed.

In this connection I would say that as an agent of the society for the prevention of cruelty to animals I have investigated seventy-eight cases, and as a result of such investigation have caused to be killed seventeen horses, nine dogs, and twenty-one cats.

I have condemned and caused to be destroyed 109 cattle, 2,492 pounds of beef, 39 calves, 698 pounds of veal, 617 fowl, 728 pounds of fowl, 28 livers, 386 pounds of corned beef, 17 sheep, 153 pounds of lamb, 71 pounds of pork, 70 pounds of fresh tongue, 344 herring, 607 mackerel, 944 pounds of haddock and codfish, 4 barrels of spinach, 3 barrels of potatoes, 91 quarts of strawberries, and 135 bananas.

I have endeavored to perform the duties of the office to the best of my ability.

Respectfully,

CHAS. M. BERRY, Inspector.

## REPORT OF INSPECTOR OF MILK AND VINEGAR.

OFFICE OF INSPECTOR OF MILK AND VINEGAR, }  
310 BROADWAY, SOMERVILLE, MASS., }  
January 1, 1901. }

To the Board of Health of Somerville:—

Gentlemen,—I beg to submit herewith my report for the ten months ending December 31, 1900.

Nearly the whole month of March was spent in fitting up a laboratory at my place of business. There being no apparatus or books of any kind for this department, I was obliged to procure them, and have them made specially for this work. As tags and considerable other printed matter were needed, it took much time to prepare for the actual work of the department.

I have given the use of a separate room to this office. It is not all that I would like, but will answer until such time as better and more convenient quarters can be provided.

Notice to dealers was given by publication in our local papers in April that applications for licenses must be made during the month of May; and the inspector's office was open every week day during that month, except Thursdays, from 3 to 6.30, and from 7.30 to 9 P. M. for the issuing of licenses.

There have been 185 licenses issued to milk dealers, and ninety-four storekeepers have been registered. Forty more dealers have been licensed this year than last, including seven who started in business during the year; thirty-seven of those licensed were dealers who had paid no license fee during the previous year. Some of these had paid none for several years, and a few were found who had never paid any license fee in this city, although engaged in business here for a considerable time.

Of the storekeepers registered, about fifty had been in business the previous year, but were not registered. The remainder opened new stores or became the proprietors of old ones. Certificates of registration of storekeepers are not transferable, and considerable work is necessary to properly enforce the law governing them, as many of the stores, especially the smaller ones, are continually changing owners, some having changed hands two or three times within the last ten months.

There has been a tendency on the part of some dealers to carry on their business without regard to the law, which has not been strictly enforced in past years. I have been lenient with them during the ten months I have been in office, but if reappointed it will be my purpose to see that all engaged in the business shall be required to live up to the law and the regulations of this department.

**Cash.**

Licenses and certificates issued, 279 at 50 cents . . . . .	\$139 50
Cash received for stamps . . . . .	90
	<hr/>
Total . . . . .	\$140 40

This amount I have paid to the City Treasurer.

**Court Records.**

Warrants sworn out . . . . .	19
Cases prosecuted . . . . .	19
Days spent in court . . . . .	16

**Convictions and Fines.**

One case, driver obstructing inspector in performance of duty, fined . . . . .	\$100 00
Two cases, selling milk without license, fined \$30, each, . . . . .	60 00
Two milk dealers, milk not up to standard, fined \$10, each, . . . . .	20 00
One milk dealer, milk not up to standard, fined . . . . .	20 00
One storekeeper, milk not up to standard, fined . . . . .	25 00
Four storekeepers, milk not up to standard, fined \$10, each, . . . . .	40 00
Four storekeepers, milk not up to standard, fined \$3, each, . . . . .	12 00
One milk dealer, putting preservative in milk, fined . . . . .	50 00
Two storekeepers, fined \$5, each, . . . . .	10 00
One storekeeper, fined . . . . .	10 00
	<hr/>
Total . . . . .	\$347 00

The amounts received by the court for these fines are eventually paid to the City Treasurer and credited to the police department. In my opinion they might more properly be credited to the health department.

I have taken and analyzed fifteen samples of vinegar, all of which were up to the standard. I shall do much more in this branch of the work next year.

I have taken and analyzed 575 samples of milk since April 15, eighty more samples than were taken in the entire year of 1899. Three hundred and eight of these were taken from milk wagons on the streets, between the hours of 2 A. M. and noon, and 267 were taken from stores during the day.

I find in the stores the poorest milk from numerous causes, such as selling the cream separately, diluting the milk, etc.

I find also that the milk in some stores is kept in filthy places. Some way must be devised to compel all storekeepers to keep the milk in a sanitary way, as it is of the utmost importance to our city's health that the milk we, and especially the babies, drink should be pure. This is of special importance to the poor, as they are the largest purchasers of milk from the stores. It is a proven fact that one-half the deaths among children in the summer time are due to the germs in milk which is not properly taken care of.

There are, on an average, 7,640 gallons of milk sold to families in our city every day—about a pint of milk for every man, woman, and child in the city, being about 11,154,400 quarts a year, for which our citizens pay approximately \$780,808.00. There are also daily handled in the city about 15,000 gallons, which are delivered in Boston and Cambridge.

There are five cream teams, one condensed milk, and one modified milk team licensed.

I hope to make many much needed improvements in this department next year. There is ample need yet of improvement, and I sincerely hope it may be accomplished, for the health of our citizens and especially for the sake of the little ones.

The amount of money paid into the city treasury for licenses, fines, etc., shows a profit to the city of \$154.16 above my salary.

JULIUS E. RICHARDSON,

Inspector of Milk and Vinegar.

## SUPPORT OF POOR DEPARTMENT.

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### **Board of Overseers of the Poor.**

EDWARD B. WEST, President.

ALBERT W. EDMANDS, Vice-President.

HERBERT E. MERRILL.

### **Committees.**

ON FINANCE, INVESTIGATION AND RELIEF, AND CITY HOME.—Mr. West  
Mr. Edmands, and Mr. Merrill.

### **General Agent.**

CHARLES C. FOLSOM.

### **Secretary.**

CORA F. LEWIS.

### **City Physician.**

ARTHUR R. PERRY, M. D.

### **Office.**

City Hall Annex, Highland avenue.

## REPORT OF THE OVERSEERS OF THE POOR,

OFFICE OF THE OVERSEERS OF THE POOR, )  
City Hall Annex, December 31, 1900. )

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

Gentlemen,—The report of the Board of Overseers of the Poor for 1900 is herewith submitted. The year past has been much the same as other years, with the exception that it was the first full year that the Board has had a "City Home" in which to board those who had no home of their own. This has been a great convenience, and we believe that it has cost very little more (not counting the permanent supplies for the Home) than did the old and unsatisfactory way of boarding the paupers out in families and in almshouses of other cities and towns.

The supplies that have been purchased, such as furnishings for the Home, horses, wagons, carts, and farming tools, are in good condition, and very little money will have to be spent in this direction the coming year.

The inmates have been well cared for, kept clean and sober, and at the close of the year are in a better condition than when the Home was opened in November, 1899. John F. Crouch, a very respectable and worthy man who entered the Home May 14, 1900, died very suddenly November 22, of heart trouble. He was a man well liked, not only by the warden and his family, but by the other inmates.

Mr. and Mrs. J. Foster Colquhoun, the efficient warden and matron, are doing good work in caring for the inmates and seeing that they are made comfortable. Very pleasant relations have existed between the management of the Home and the Board during the year. Mr. Colquhoun, under the direction of the Board, is getting the farm and buildings into good condition for the purposes for which they are used, and it seems to us that if we are fairly successful, there will be quite an income from the farm during the next year.

The State Inspector, in his report, refers to our City Home as follows:—

(Inspected September 13, 1900.)

"Salary of warden and matron, \$600. Three paid help. Wooden building of two and one-half stories and two wings, in good condition, without fire escapes. Drainage by sewer. City water. One sitting room; nine sleeping rooms, with seventeen beds, all in good condition. Two bath rooms, supplied with hot and cold water. Two inside water-closets, in good condition. Ventilation by doors and windows. Heating by hot air. Inmates well fed and clothed. Complete separation of sexes, except at meals.

"Fifteen inmates; eleven men and four women, all sane. No criminals; no tramps.

"Ten acres of land; eight acres tilled."



During the year a veranda has been built across the rear of the ell for the benefit of inmates; the barn also has been remodeled, so that the part occupied by the live stock is warm and comfortable. The only expense to the city for the above repairs and many others was the cost of the material. If the walls of the barn could be clapboarded or shingled, it would be in very good condition.

The Board recommends that a shed be erected for the purpose of housing the wagons, carts, farming tools, etc.; also as a place for washing vegetables for the market, and for sawing and packing away wood.

The following tables will give an idea of the detail work of the department. We also print the report to this Board of the Warden of the "Somerville City Home," and the report of the City Physician.

EDWARD B. WEST,  
ALBERT W. EDMANDS,  
HERBERT E. MERRILL, } *Overseers  
of the Poor.*

**TABLE 1.**  
**Full Support (During the Year).**

In our City Home . . . . .	34
In private families . . . . .	11
In Somerville Hospital . . . . .	140
In hospitals in other cities and towns . . . . .	16
In Massachusetts School for the Feeble-Minded . . . . .	4
Insane persons in private families . . . . .	1
Insane persons in hospitals . . . . .	88

**TABLE 2.**  
**Full Support (at present time, December 31, 1900).**

In Somerville City Home . . . . .	17
Insane in hospitals (we are reimbursed for two) . . . . .	81
Insane in private families . . . . .	1
In hospitals, sane . . . . .	6

**TABLE 3.**  
**Somerville Hospital.**

Cases on City's account . . . . .	140
Cases having settlement in Somerville . . . . .	53
Cases having settlement in other cities or towns . . . . .	33
Cases having no settlement (chargeable to State) . . . . .	56
Total number of weeks, 437, at \$11.44 . . . . .	\$5,000 00
Money paid Hospital by the City . . . . .	\$5,000 00
Amount to be reimbursed to the City . . . . .	1,684 86
Net cost to the City . . . . .	\$3,315 14
Total aid to the Hospital . . . . .	\$5,000 00

**TABLE 4.**  
**Partial Support ( Outdoor Relief).**

Families aided . . . . .	319
Persons aided . . . . .	1,335
Burials . . . . .	14
Permits to the Tewksbury almshouse . . . . .	12

**TABLE 5.**  
**Reimbursements.**

Commonwealth of Massachusetts . . . . .	\$1,885 63
City of Boston . . . . .	865 13
“ “ Cambridge . . . . .	772 67
“ “ Chelsea . . . . .	55 64
“ “ Chicopee . . . . .	38 58
“ “ Gloucester . . . . .	45 13
“ “ Haverhill . . . . .	11 25
“ “ Lowell . . . . .	129 00
“ “ Lynn . . . . .	62 46
“ “ Malden . . . . .	155 04
“ “ Marlboro . . . . .	45 40
“ “ Medford . . . . .	4 50
“ “ Melrose . . . . .	14 86
“ “ Newburyport . . . . .	44 86
“ “ North Adams . . . . .	5 65
“ “ Woburn . . . . .	99 74
Town of Canton . . . . .	3 15
“ “ Hardwick . . . . .	26 00
“ “ Lexington . . . . .	1 50
“ “ North Andover . . . . .	48 00
“ “ Plymouth . . . . .	23 56
“ “ Provincetown . . . . .	28 14
“ “ Sandwich . . . . .	6 95
“ “ Stoughton . . . . .	25 72
“ “ Watertown . . . . .	9 35
“ “ Wilmington . . . . .	5 50
“ “ Winchester . . . . .	7 00
Guardians and relatives . . . . .	722 04
Money refunded . . . . .	4 29

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\$5,146 74

TABLE 6.  
Expenditures, in Detail, for the Year 1900.

1900.	Rent.	Board.	Groceries.	Towns and Cities.	Public Institutions.	Boots and Shoes.	Dry Goods.	Burial.	Salaries.	Fuel.	Sundries.	Medicine.	Total.
January . . . . .	\$7 00	\$170 43	\$397 08	\$601 25	*\$2,481 11	\$9 50	. . . . .	. . . . .	\$275 48	\$197 69	\$68 34	\$40 85	*\$4,248 73
February . . . . .	7 00	21 00	563 71	104 00	*450 98	20 70	. . . . .	. . . . .	258 33	140 54	19 51	65 31	*1,651 08
March . . . . .	7 00	164 51	315 79	1 50	2,374 99	10 60	\$6 00	. . . . .	308 33	151 26	56 71	120 80	3,517 49
April . . . . .	7 00	52 16	373 82	. . . . .	186 65	10 85	. . . . .	. . . . .	275 00	. . . . .	23 18	9 25	937 91
May . . . . .	7 00	37 65	216 37	36 00	385 28	9 10	. . . . .	. . . . .	275 00	. . . . .	69 48	31 96	1,067 84
June . . . . .	7 00	60 12	552 23	. . . . .	2,480 62	. . . . .	. . . . .	\$20 00	275 00	. . . . .	45 62	33 65	3,274 24
July . . . . .	7 00	13 86	321 89	494 86	425 46	. . . . .	8 00	30 00	275 00	. . . . .	37 88	39 16	1,653 11
August . . . . .	7 00	122 72	282 83	47 00	. . . . .	. . . . .	. . . . .	25 00	275 00	. . . . .	71 04	22 05	866 49
September . . . . .	7 00	83 58	206 45	. . . . .	2,635 96	13 85	. . . . .	20 00	291 00	. . . . .	54 34	17 65	3,323 23
October . . . . .	. . . . .	33 24	334 63	45 00	157 38	7 25	. . . . .	60 00	303 33	. . . . .	70 70	100 77	1,105 05
November . . . . .	. . . . .	24 87	37 00	. . . . .	555 42	. . . . .	4 00	40 00	283 33	. . . . .	99 22	84 68	1,599 01
December . . . . .	. . . . .	25 29	. . . . .	. . . . .	. . . . .	19 30	. . . . .	. . . . .	283 34	50 28	69 45	87 01	773 41
Totals . . . . .	\$63 00	\$809 43	\$3,974 80	\$1,329 61	*\$12,133 85	\$101 15	\$18 00	\$195 00	\$3,378 14	\$676 00	\$685 47	\$653 14	*\$24,017 50

\* These items include \$319.97, paid to the Somerville Hospital in January and February, and afterwards charged to Somerville Hospital account; leaving the expenditure from this account (Support of Poor—Miscellaneous) \$23,697.92.

TABLE 7.

## Support of Poor, Miscellaneous, Account, Recapitulation.

Appropriation . . . . .	\$16,200 00	
Transfer from Interest account . . . . .	3,000 00	
Reimbursements . . . . .	5,146 74	
	<hr/>	
Total receipts . . . . .		\$24,346 74
Total expenditures . . . . .		23,697 62
		<hr/>
Balance unexpended . . . . .		\$649 12
Net expenditures . . . . .		18,550 83

TABLE 8.

## Support of Poor, City Home, Account.

Appropriation . . . . .	\$4,000 00	
Transfer from Interest account . . . . .	1,000 00	
Reimbursements . . . . .	453 11	
	<hr/>	
Total receipts . . . . .		\$5,453 11
Total expenditures . . . . .		5,528 83
		<hr/>
Account overdrawn . . . . .		\$75 72
Net expenditures . . . . .		5,075 72

Note.—\$2,408.48 of the appropriation for "City Home" was spent for permanent repairs and supplies. For details of the account see report of Warden on page 289.

TABLE 9.

## Population and Gross Expenditures, 1883 to 1899, 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

\*Census.

TABLE 10.

Showing cost of maintaining poor for last fiscal year, population as given by the 1900 United States Census, cost per capita of population, and value of land and buildings used by Poor Department in twenty-six New England Cities, including Somerville.

CITIES.	Cost of Maintaining Poor for Last Fiscal Year.	Population as given by 1900 Census.	Cost per Capita.	Value of Land and Buildings Used by Poor Dep'tm't.
Brockton, Mass. . . . .	\$30,299 03	40,063	\$0 75 $\frac{1}{8}$	\$25,000 00
Chelsea, " . . . . .	30,691 30	34,072	0 90	None.
Chicopee, " . . . . .	25,525 99	19,200	1 32	14,000 00
Fitchburg, " . . . . .	31,186 47	31,531	0 98 $\frac{7}{8}$	46,596 20
Haverhill, " . . . . .	22,430 04	37,175	0 60 $\frac{1}{2}$	41,300 00
Holyoke, " . . . . .	41 387 96	45,712	0 90 $\frac{1}{2}$	37,830 00
Lawrence, " . . . . .	56,052 64	62,559	0 89 $\frac{1}{2}$	141,770 95
Lynn, " . . . . .	65,235 24	68,513	0 96 $\frac{1}{4}$	118,000 00
Malden, " . . . . .	34,664 00	33,664	1 03	28,600 00
Marlborough, " . . . . .	18,477 61	14,980	1 23 $\frac{1}{4}$	12,400 00
Newton, " . . . . .	26,370 32	33,587	0 78 $\frac{1}{2}$	33,500 00
New Bedford, " . . . . .	62,335 10	62,442	0 99 $\frac{3}{4}$	...
North Adams, " . . . . .	12,922 54	24,000	0 53 $\frac{4}{5}$	20,000 00
Salem, " . . . . .	39,759 58	35,956	1 10 $\frac{1}{2}$	175,168 50
Springfield, " . . . . .	46,203 95	62,059	0 74 $\frac{1}{2}$	125,000 00
Taunton, " . . . . .	31,166 22	31,036	1 00 $\frac{1}{2}$	37,500 00
Pawtucket, R. I. . . . .	17,990 27	39,231	0 45 $\frac{7}{16}$	16,287 00
Bangor, Me. . . . .	18,903 68	25,000	0 75 $\frac{3}{5}$	50,000 00
Lewiston, " . . . . .	25,132 00	21,701	1 15 $\frac{1}{5}$	20,000 00
Portland, " . . . . .	50,086 67	50,145	0 99 $\frac{7}{8}$	100,000 00
Concord, N. H. . . . .	9,000 00	19,632	0 46 $\frac{1}{3}$	11,227 85
Nashua, " . . . . .	4,230 84	23,898	0 17 $\frac{2}{3}$	12,500 00
Meriden, Conn. . . . .	23,371 34	29,000	0 80 $\frac{1}{2}$	12,000 00
Waterbury, " . . . . .	28,207 20	45,859	0 61 $\frac{1}{2}$	140,000 00
Burlington, Vt. . . . .	8,750 00	17,000	0 51 $\frac{1}{2}$	5,000 00
Somerville, Mass. . . . .	23,096 99	61,643	0 37 $\frac{1}{2}$	25,400 00

Taken from the Pawtucket, R. I., report of 1900.

TABLE 11.

## Property at the Somerville City Home December 31, 1900.

Land . . . . .	\$20,100 00
Buildings . . . . .	5,400 00
Two horses . . . . .	300 00
One cow . . . . .	40 00
Four pigs . . . . .	40 00
Wagons, carts, etc. . . . .	230 00
Harnesses, blankets, etc. . . . .	134 45
Hay and grain . . . . .	11 90
Hot beds, sash, mats, etc. . . . .	751 81
Fertilizer . . . . .	84 50
Vegetables . . . . .	87 00
Wood . . . . .	160 00
Groceries and Provisions . . . . .	58 81
Medicine . . . . .	26 06
Hardware, scales, etc. . . . .	20 47
Farm utensils . . . . .	207 54
Kitchen utensils . . . . .	325 00
Furniture . . . . .	500 00
Bedding . . . . .	234 18
Clothing . . . . .	135 23
Total . . . . .	<hr/> \$28,846 95





SOMERVILLE CITY HOME.



## REPORT OF WARDEN OF CITY HOME.

City Home, December 31, 1900.

To the Overseers of the Poor, City of Somerville:—

Gentlemen,—I would submit the following as the report of the Warden of the City Home for the year ending December 31, 1900:—

### Expenditures.

For living expenses:—		
Groceries . . . . .	\$1,139 87	
Boots and shoes . . . . .	44 95	
Dry goods . . . . .	62 77	
Medicine . . . . .	89 45	
Ice . . . . .	132 42	
Seeds and fertilizer . . . . .	86 98	
Telephone service . . . . .	76 09	
Salaries and wages . . . . .	1,093 11	
Extra help . . . . .	53 94	
Sundries . . . . .	340 77	
	\$3,120 35	
Credits:—		
Receipts for board . . . . .	\$49 60	
Sale of vegetables . . . . .	278 51	
	328 11	
		\$2,792 24
For permanent repairs, furniture, tools, and livestock . . . . .	\$2,408 48	
Credit:—		
Received for horse sold . . . . .	125 00	
	2,283 48	
Net expenditures . . . . .		\$5,075 72
The living expenses have been reduced, by the following		
items, from the above amount of . . . . .		\$2,792 24
Wood delivered to the poor, 67½ feet . . . . .	\$84 37	
Board for which payment has been credited to Support of Poor, Miscellaneous, Account . . . . .	100 03	
Supplies on hand . . . . .	456 27	
	640 67	
Net living expenses . . . . .		\$2,151 57

Number of weeks' board (meals furnished laborers not included)	826
Number males admitted during 1900	17
Number females admitted during 1900	13
Number males discharged during 1900	14
Number females discharged	12
Number died	1
Number males supported	21
Number females supported	15
Number inmates in the home January 1, 1900	16

During the months of January and February the laundry basement under the men's dormitory and the basement under the kitchen in the main building were dug out and extended, making accommodations under the men's dormitory for furnace and stove coal, also storage for wood, and under the kitchen a cold storage for vegetables. The floors were cemented, and the walls laid and whitewashed by the inmates. The only expense was the cost of lime and cement.

The horse stable has been entirely renovated at a large expense, it being found necessary to take up the whole floor and replace with new. Accommodations were made for three stalls, harness, tool, and grain rooms. Also new gutters, conductors, floors, sill, cellar windows, and doors, and an inclined driveway in the main barn.

The root and barn cellars have been whitewashed and drained, two hundred feet of old four-inch cement water pipe, furnished by the Water Department, having been laid by the inmates.

One hundred and thirty-five feet of one-inch water pipe have been laid from the street to the barn, also one hundred and seventy-five feet of three-fourths inch pipe to supply the water trough in the horse stable and sill cocks in the main building.

Two hundred and sixty-seven feet of three-fourths inch pipe, with numerous shut-offs, have been laid on the ground surface to supply the vegetable garden and hot beds with water.

The Home has been connected by electric wire with the Clarendon-hill fire station, the connecting bells of which are tested each morning at eight o'clock. We feel that with this daily connection and four chemical fire extinguishers with which the house is furnished that the Home is amply provided for in case of fire.

Electric bells have been placed in the women's ward to call them to meals, also one in the Warden's apartments connecting with the men's dormitory, to be used at night if necessary, in a case of sudden sickness. An open veranda has been built at the back of the men's dormitory, making a pleasant and cool place for the men to sit during the summer months.

A medicine case with glass front has been built for the safe keeping of drugs and medicine. Also a sheathed closet in the pantry for cooked food, and the storeroom has been provided

with brackets, shelves, and counter for the proper storage of groceries and provisions.

The lawns and driveway have been partially graded, having been cut down an average of fifteen inches. We hope to complete this work in the early spring.

Three hundred and twelve feet of wind fences six feet high have been built as a shelter for the hot beds. Two hundred and two hot bed sash have been painted and glazed, and two hundred wooden shutters painted. We have now six hundred feet of hot beds in partial operation, from which we hope for good results.

I desire to acknowledge the very pleasant relations that have existed, and the many courtesies that we have received during the year from the Board of Overseers, the General Agent, the Secretary, and the City Physician.

Respectfully yours,

J. FOSTER COLQUHOUN, Warden City Home.

## REPORT OF THE CITY PHYSICIAN.

OFFICE OF THE CITY PHYSICIAN, }  
January 1, 1901. }

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

Gentlemen,—I present the following as a summary of the work done by me as City Physician for the year beginning January 1, 1900, and ending December 31, 1900:—

Number of house visits made . . . . .	3,309
Number of persons treated at my office . . . . .	885
Number of children vaccinated . . . . .	169
Number of persons from whom teeth have been extracted . . . . .	30
Number of women attended in childbirth . . . . .	42
Number of visits to the police station . . . . .	21
Number of candidates examined for the police force . . . . .	23
Number of candidates examined for permanent men in the fire department . . . . .	15
Number of visits made and certificates given where persons had died unattended by a physician . . . . .	9
Number of accident and other medico-legal cases examined for the city . . . . .	13

There has been expended for medicine during the year \$653.14, and the supplies now on hand equal approximately in value the amount of druggists' bills now payable.

This year, as last, it has not been found practicable to limit the amount expended for medicine to the two hundred and fifty dollars specified for that purpose by the aldermen in the 1899 appropriations, though the net expense this year is materially reduced from the above gross expense by rebates for medicine from other cities and towns.

The net cost to the city of Somerville for supplying medical attendance to the needy sick within its borders has been in 1900 probably not very far from the net cost, (\$29.15) twenty-nine dollars and fifteen cents, for similar attendance during the previous year, though the exact figures for the past year are not yet obtainable. This net cost represents the difference between the sum paid the City Physician as salary and the amount of the sums received by Somerville from the state and other cities of Massachusetts for the medical attendance by the City Physician of those whose "settlement" is outside of Somerville.

Diphtheria and whooping cough have been prevalent, especially since the autumn opening of the schools. The latter exhausting disease, with its not infrequent sequel, pneumonia, has been the cause of more deaths among city patients than diphtheria.

Of the seventy-one "city" cases of diphtheria during the year, the city clerk reports but four deaths. Other physicians

had attended two of these fatal cases, one of which lived but eighteen hours, the other but forty-eight hours after my first visit. Only croup, and an accompanying obstinate refusal by the parents to allow an intubation, almost certainly was responsible for the death of one, and another had died under the so-called "Christian Science" treatment hours before my services were requested. Of the four cases of laryngeal diphtheria intubed, all recovered without mishap. There is certainly reason for gratification that, even among those surroundings most prejudicial to ill health, the old-time virulence and mortality of diphtheria has abated so markedly with the advent of anti-toxin and intubation.

As diphtheria becomes less fatal, however, there is grave danger that, being less apprehensive, people may become less careful about quarantine regulations. Hence it becomes progressively more important to the people of the more congested district that, by a uniform and diligent medical inspection in private and public schools, diphtheria shall be exterminated at the point whence it is largely disseminated, viz.: the school.

Of utmost importance alike to the individual and to the community is the early differentiation of diphtheria from other throat affections, and this invaluable service is now being performed in the new bacteriological laboratory of this city through the daily examination of "cultures."

Pneumonia as a complication in infectious diseases, especially measles and whooping cough, has been very fatal among the city poor, and this infectious element, added to the ordinary dangers of pneumonia in poor families, emphasizes the obvious need of a hospital for the isolation and treatment of such cases, agreeably to the recommendation of the Mayor in his inaugural address.

The pitiless extortions exacted from the ignorant and often widowed poor by a certain class of undertakers aggravates needlessly the anguish of the exhausted and debilitated bereaved, and calls for an indignant protest from the public, upon whom, in consequence, the victims often immediately become a charge.

In conclusion, I would officially report the establishment of a bacteriological laboratory for the examination of phthisical sputa, and of cultures from suspected cases of diphtheria. It was opened in the house of the City Physician, and the work temporarily has been done by me. The readiness with which physicians from all parts of the city, and representative, also, of different schools of practice, availed themselves of the advantages of the laboratory is indisputable evidence of the need of such an institution and a guarantee of its continued success and usefulness.

Very respectfully submitted,

ARTHUR R. PERRY, M. D., City Physician.

## REPORT OF THE CITY ENGINEER.

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OFFICE OF THE CITY ENGINEER,  
CITY HALL, SOMERVILLE, January 26, 1901. }

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, 1900, by the departments under my charge and supervision, including Engineering, Sewers, Public Grounds, and other public works, is herewith presented.

### BOARD OF PUBLIC WORKS.

The past year's work was the first under the new city charter, which provides for a board of public works, consisting of the mayor and heads of the five departments having charge of construction work.

This board met monthly throughout the year, and discussed and reported the progress of the various lines of work being constructed under orders passed by the Board of Aldermen.

### ENGINEERING DEPARTMENT.

Under the new city charter and ordinances, the duties of the City Engineer include the designing and superintending of the construction of sewers, boulevards, parks, bridges, and such other public engineering works as may be authorized; the making of such surveys, plans, estimates, descriptions and specifications and contracts for work as the Mayor, Board of Aldermen, or any committee or department may require; the custody of all surveys, plans, and profiles; and all data relating to the laying-out, widening, or discontinuing of streets; and the new engineering construction for all departments of the city. He must be consulted on all work where the advice of a civil engineer would be of service; and no structure of any kind can be placed upon, beneath, or above any street by any department of the city, individual, or corporation, until approved by him, and a plan furnished showing the location.

During the year, twenty-two assistants have been employed in the department as engineers on the various works of construction, eleven permanently, and others as the work required.

**Statement of Expense, 1900, Engineer's Department.**

Salary City Engineer (including maintenance of team)	\$2,500 00	
Salaries of assistants	8,808 38	
Stakes, tools, and general supplies (outside work)	248 66	
Draughting materials and office supplies (inside work)	293 57	
Car fares	225 96	
Expressing, telephone, and incidentals	101 35	
	<hr/>	
Total expenditure in the department		\$12,177 92
Appropriation	\$11,500 00	
Credit by Contingent fund, house numbering	42 00	
Somerville Electric Light Co., work done	34 40	
Cambridge Gas Light Co., work done	13 40	
Boston Elevated Railway Co., work done (uncollected)	107 80	
Powder House Boulevard Account, inspection	300 00	
Highways, Boston-avenue Bridge Account, inspection	225 00	
Highways, Paving Davis Square Account, inspection	87 40	
	<hr/>	12,310 00
		<hr/>
Balance unexpended		\$132 08

**Classification of Expenditures, Assistants' Salaries.**

Sewers—comprising surveys, estimates, profiles, lines, grades, titles, plans, assessments, and all engineering work relating to sewers	\$2,245 89
Highways—comprising plans, estimates, titles, profiles, lines and grades, and all other engineering relating to the department	510 17
Sidewalks—comprising profiles, lines, grades, measurements, titles, costs, and assessments	1,100 99
Water Works—comprising lines, grades, locations of mains, gates, hydrants and services, and other matters relating to water department	498 31
Public Grounds—comprising surveys, plans, estimates, profiles, and grades, including laying out of parks and grounds	190 51
Public Buildings—comprising surveys, estimates, lines, grades, and other work relating to construction	38 71
Street Numbering—comprising locations of buildings, plans, and affixing street numbers on houses	140 40
	<hr/>
Amount carried forward	\$4,724 98

Amount brought forward . . . . .	\$4,724 98	
Street Lines and Grades—comprising establishing of lines, grades, and miscellaneous data given parties for building and grading . . . . .	190 98	
Middlesex Registry—comprising copying of plans and abstracts from deeds filed, and examination of titles . . . . .	177 33	
City Survey—comprising lines, angles, and measurements, calculations of traverses, and locations of division lines and buildings . . . . .	391 43	
Bridges—comprising surveys, calculations, plans, lines and grades for construction, and general supervision of work . . . . .	719 54	
Powder House Boulevard—comprising surveys, calculations, taking of land plans, construction plans, profiles, deeds, and general engineering work in laying out and constructing . . . . .	787 22	
Boston Elevated Railway Co.—comprising grades, plans, profiles, and office notes . . . . .	222 01	
Electric Light Co. and Telephone and Telegraph Co.—comprising lines, plans, locations of poles and conduits, and office notes . . . . .	39 81	
Gas Light Companies—comprising lines, locations, and office notes . . . . .	32 91	
Grade Crossings—comprising miscellaneous data, plans and profiles . . . . .	170 59	
Office Work—comprising records of all locations, indexing, typewriting, calculations, and general draughting . . . . .	821 84	
Miscellaneous Work—comprising preliminary surveys, designs, sketches, etc., relating to various schemes for different committees . . . . .	150 74	
Vacations and Sickness . . . . .	379 00	
Total . . . . .		\$8,808 38

#### Records and Value of Instruments.

Note books, sewer permit books, and deed books . . . . .	215
Plans, including sewers, highways, parks, house lots, etc. . . . .	5,070
Value of field instruments, tools, and office instruments . . . . .	\$1,370 00

Considerable of the engineering work is so closely allied with work in the Highway Department that it is carried on in conjunction, and under the Engineering Department is a report of the work done, jointly.

During the past year locations, lines, and grades have been given for tracks of the West End Street Railway Company in Broadway, from the top of Winter hill to Clarendon hill, and from North street to Alewife brook; in College avenue and a por-



tion of Boston avenue; in Pearl and Medford streets, from Cross street to Magoun square; and in Davis square,—a total length of 31,600 feet. There are 28.8 miles of street railway tracks within the city limits at the present time.

Sixty-one orders were passed by the Board of Aldermen for constructing sidewalks, which required the giving of lines and grades for setting 40,611 feet (7.7 miles) of edgestone and for laying 7,314 square yards (1.8 miles) of brick sidewalk, during the season. The average cost of setting edgestone and constructing a gravel sidewalk was \$0.71 per linear foot, and for constructing a brick sidewalk \$0.95 per square yard.

Twelve streets in the city have been accepted as public ways, a length of 1.6 miles; these streets were laid out and are to be constructed under the betterment act, in some cases land being taken for the widening of the street, and the abutters being assessed their proportion of the cost.

The length of public streets in the city is 61.74 miles. All assessments for sidewalks and street betterments have been computed and statements made out showing the owners and amounts to be assessed on the property benefited.

Estates encroaching on the sidewalk on Broadway from Jenny Lind avenue westerly have been put to the proper line and grade by the setting of edgestone and construction of sidewalks, on both sides, the entire length of the street; also on Beacon street a new retaining wall, 570 feet long, with an average height of seven feet, has been built in front of the Norton estate, where an old wall has been an encroachment in the roadway for many years.

Several streets in the city have been re-numbered and numbers placed on all buildings in the city previous to May 1, 1900, for the convenience of the assessors' department in locating property assessed.

One hundred and forty-seven street lines and grades have been given on applications to build on various streets.

Considerable data has been acquired and a petition has been presented to the superior court for the abolition of grade crossings on the line of the Fitchburg railroad in this city.

Lines have been given and locations made for 24,293 feet of water mains, with hydrants and gates, and 238 water services, and recorded for future reference.

**Streets Accepted in 1900, and to be Laid Out Under the  
Betterment Act.**

NAME OF STREET.	WARD.	FROM	To	Width in Feet.	Length in feet.
Columbia . . .	2	Webster ave. .	Cambridge line	40	816
Edmands . . .	4	Broadway . .	near Bonair st. .	40	376
Fosket . . . .	7	Willow ave. . .	Liberty ave. . .	40	668
Hall . . . . .	6	Cedar st. . . .	Cherry st. . . .	30	456
Lowell . . . . .	6	Somerville ave.	Summer st. . . .	36	1,259
Mansfield . . .	2	Somerville ave.	Washington st.	40	735
Meacham (Ext'n)	7	Meacham st. .	Dover st. . . .	40	402
Morrison ave. .	6	Willow ave. . .	Cedar st. . . .	50	1,366
*South . . . .	2	Medford st. . .	Water st. . . .	30	989
Sycamore . . . .	5	Medford st. . .	Bost. & Lo'll R.R.	40	582
White . . . . .	6	Elm st. . . . .	Cambridge line	} Sidew'k in Som'v. }	} 307
Windsor road .	6	Willow ave . .	Gordonia road .		
Total . . . .	. . .	. . . . .	. . . . .	. . . .	8,531

\* No assessments to be levied.

**Length of Accepted Streets in Each Ward.**

Ward One . . . . .	Miles.	8.50
Ward Two . . . . .		6.98
Ward Three . . . . .		6.10
Ward Four . . . . .		7.87
Ward Five . . . . .		9.91
Ward Six . . . . .		9.96
Ward Seven . . . . .		12.42
Total length of accepted streets in the city . .		61.74

Twenty-six orders were passed by the Board of Aldermen for constructing sewers in various parts of the city, for which the Engineering Department gave lines, grades, and miscellaneous data, and made plans showing details of construction and estates for assessment.

**Boston Avenue Bridge.** The granting of a new line of double track location to the West End Street Railway Company on Boston avenue necessitated the constructing of a new bridge over Mystic river, connecting North Somerville and West Medford, where an old wooden structure has been used for many years.

The mayors and highway committees of the two cities, after considering a number of designs and estimates of cost, voted to construct a bridge according to a plan presented by Somerville, and to be built under our supervision.

Bids were received from nine contractors, ranging from \$17,300 to \$25,949, the contract being awarded to Holbrook,



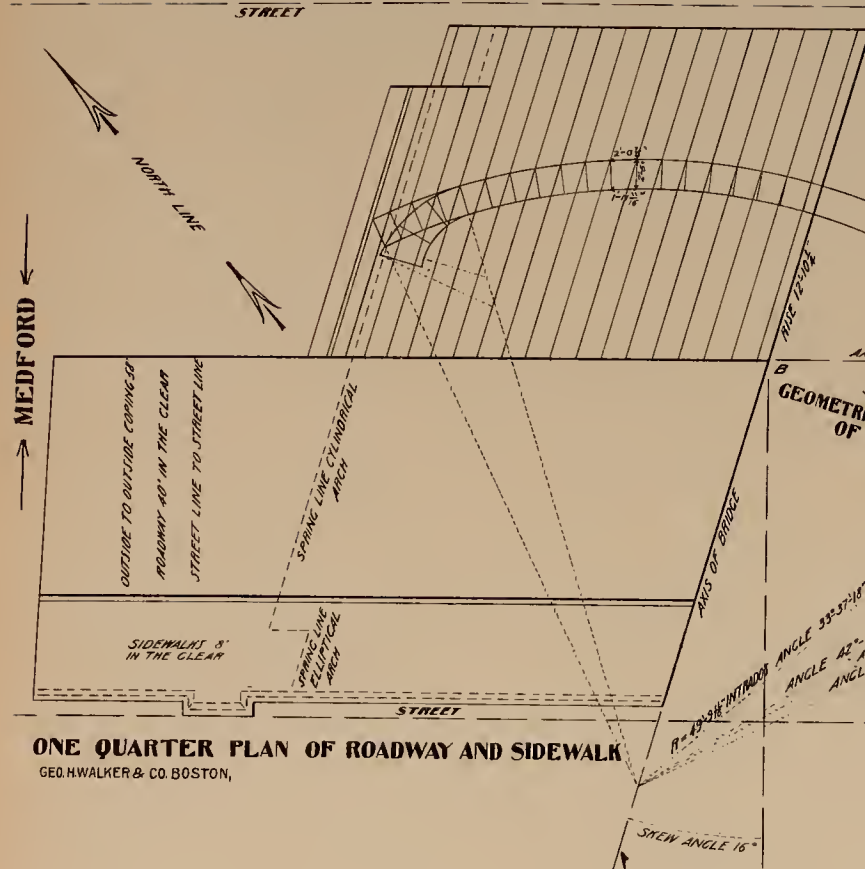
OLD BOSTON AVE BRIDGE



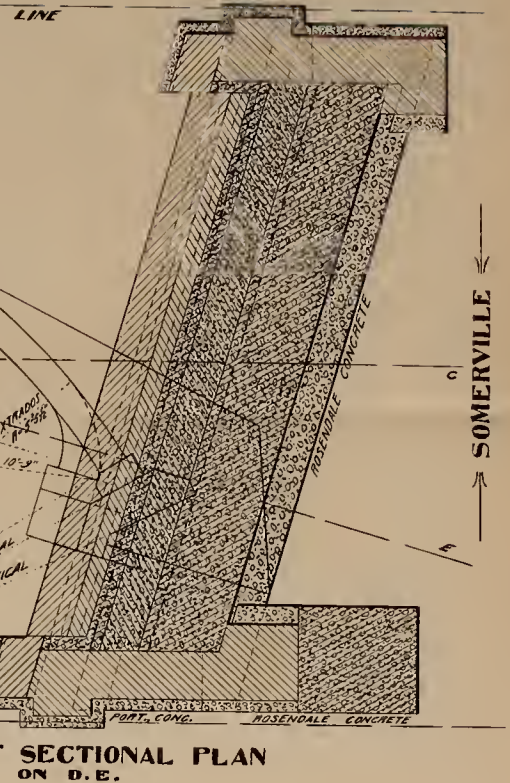
BOSTON AVE BRIDGE constructed 1900



ONE QUARTER PLAN OF ARCH



ONE QUARTER PLAN OF ROADWAY AND SIDEWALK  
GEO. HWALKER & CO. BOSTON,



ONE HALF SECTIONAL PLAN ON D.E.

CITY OF SOMERVILLE  
**BOSTON AVE BRIDGE**  
PLANS  
SECTIONS AND ELEVATIONS  
OF BRIDGE AS CONSTRUCTED  
1900

E. W. BAILEY CITY ENGINEER

SCALE  
0 1 2 3 4 5 6 7 8 9 10 FT

ONE HALF ELEVATION WESTERLY FACE

SECTIONAL ELEVATION ON A. B. B. C.

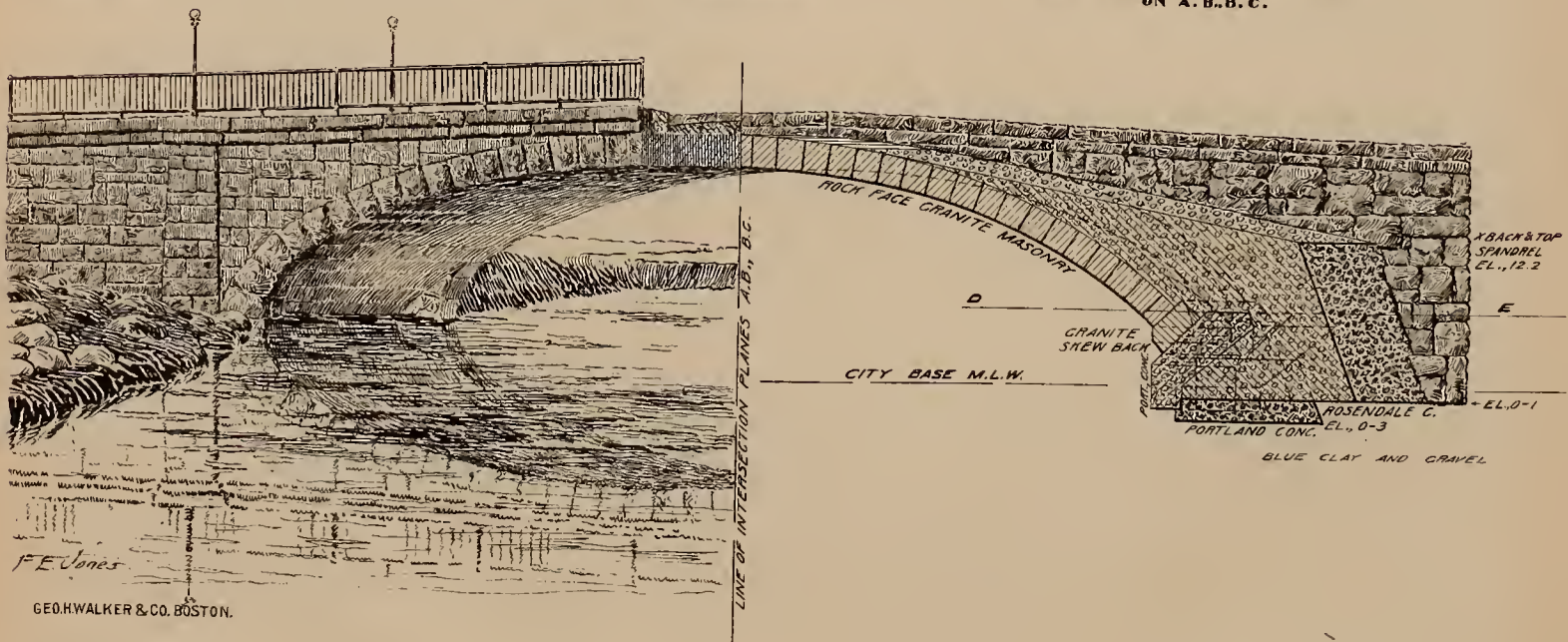


Table Showing Sidewalks Constructed (not exceeding one-half cost assessed on abutters) and Paved Gutters Laid in Connection Therewith in 1900.

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.
Albion . . . . .	5	Southwesterly . . . . .	Central st. . . . .	Lowell st. . . . .	6.67	. . . . .	917.0	\$862 30	. . . . .	. . . . .
Ames . . . . .	5	Northerly . . . . .	Robinson st. . . . .	Bartlett st. . . . .	6.67	. . . . .	327.6	339 00	. . . . .	. . . . .
Ashland . . . . .	6	Southeasterly . . . . .	Summer st. . . . .	Sartwell ave. . . . .	5.00	481.0	. . . . .	363 41	160	\$268 85
Atherton . . . . .	6	Northeasterly . . . . .	Central st. . . . .	Beech st. . . . .	6.67	257.7	184.4	322 86	86	105 95
Atherton . . . . .	6	Southwesterly . . . . .	Central st. . . . .	Beech st. . . . .	6.67	279.4	182.3	354 67	93	127 35
Beacon and Sacramento Belmont . . . . .	6 6	Northerly . . . . . Both . . . . .	In front of Estate of Highland ave. . . . .	Thierry . . . . . Estates of Howard & James	{ 11.00 } 6.67 6.67	. . . . . 59.7 839.7	. . . . . 101.6 . . . . .	137 75 598 57	20 280	28 93 446 41
Belmont . . . . .	6	Both . . . . .	Somerville ave. . . . .	Estates of Hills & Cotton	{ 8.00 }	1,742.8	. . . . .	1,210 13	581	1,252 32
(1) Benton road . . . . .	6	Both . . . . .	Summer st. . . . .	Highland ave. . . . .	6.67	1,718.2	. . . . .	1,164 11	573	1,023 08
Bradley . . . . .	4	Southeasterly . . . . .	Veazie st. . . . .	Walter st. . . . .	6.67	. . . . .	214.8	177 35	. . . . .	. . . . .
Broadway . . . . .	7	Southerly . . . . .	Billingham st. . . . .	Elm st. . . . .	11.00	470.4	. . . . .	380 11	157	228 05
*Broadway . . . . .	5, 6 & 7	Both . . . . .	Top of Winter Hill . . . . .	Arlington line . . . . .	10 to 15	15,535.3	. . . . .	11,908 91	3,866	6,401 77
Cameron avenue . . . . .	7	Southeasterly . . . . .	Holland st. . . . .	Cambridge line . . . . .	10.00	1,055.4	. . . . .	709 56	352	411 72
Dell . . . . .	1	Northerly . . . . .	Glen st. . . . .	Tufts st. . . . .	6.67	. . . . .	329.3	259 30	. . . . .	. . . . .
Eliot . . . . .	2	Both . . . . .	Park st. . . . .	Vine st. . . . .	6.67	609.0	. . . . .	420 92	203	232 88
Glen . . . . .	1	Southeasterly . . . . .	Oliver st. . . . .	Estate of Waugh . . . . .	6.67	381.0	. . . . .	257 54	127	260 40
Glen . . . . .	1	Southeasterly . . . . .	Estate of City of Somerville	Morton st. . . . .	6.67	102.2	. . . . .	76 49	34	38 35
Glen . . . . .	1	Southeasterly . . . . .	Tufts st. . . . .	Estate of Hall . . . . .	6.67	91.2	. . . . .	66 41	30	34 28
Grove . . . . .	7	Southeasterly . . . . .	Highland ave. . . . .	Boston & Lowell R. R. . . . .	6.67	. . . . .	78.5	96 78	. . . . .	. . . . .
Grove . . . . .	7	Southeasterly . . . . .	Elm st. . . . .	Highland School lot . . . . .	6.67	242.0	170.5	285 18	81	90 88
Hall avenue . . . . .	7	{ Southwesterly . . . . . Northeasterly . . . . .	{ Elm st. . . . . Mondamin ct. . . . .	{ Liberty ave. . . . . E'ly line of Est. of Wyman . . . . .	{ 6.67 6.67	{ 1,366.7 321.5	. . . . . . . . . .	920 61 198 29	455 107	716 84 122 40
Harrison . . . . .	6	{ Northeasterly . . . . . Northeasterly . . . . .	{ Kent st. . . . . Mondamin ct. . . . .	{ Mondamin court . . . . . Ivaloo st. . . . .	{ 6.67 7.50	{ 697.4 582.6	. . . . . . . . . .	488 16 383 10	232 177	239 23 437 20
Heath . . . . .	5	Southwesterly . . . . .	Temple st. . . . .	Estate of Holmes . . . . .	7.50	582.6	. . . . .	383 10	177	437 20
Highland avenue . . . . .	6	Southwesterly . . . . .	Central st. . . . .	Gordonia road . . . . .	10.00	2,462.1	. . . . .	1,861 72	821	1,342 71
Jay . . . . .	7	Northwesterly . . . . .	Holland st. . . . .	Howard st. . . . .	6.67	564.5	. . . . .	387 09	188	194 55
Joy . . . . .	1	Northeasterly . . . . .	Washington st. . . . .	Poplar st. . . . .	5.00	1,137.8	. . . . .	783 74	379	552 73
Kent . . . . .	6	Northwesterly . . . . .	Somerville ave. . . . .	Subway . . . . .	6.67	242.2	. . . . .	186 22	81	154 85
(2) *Meacham (Extension)	7	Both . . . . .	Dover st. . . . .	Meacham st. . . . .	6.67	966.6	. . . . .	678 61	. . . . .	. . . . .
Melvin . . . . .	4	Both . . . . .	Broadway . . . . .	Bonair st. . . . .	6.67	960.4	. . . . .	730 48	320	524 17
Oxford . . . . .	3	Both . . . . .	School st. . . . .	Central st. . . . .	{ 6.00 }	2,384.2	. . . . .	1,630 25	795	967 19
Oxford . . . . .	6	Easterly . . . . .	Beacon st. . . . .	Cambridge line . . . . .	8.33	93.6	. . . . .	70 48	31	49 23
Prospect . . . . .	2	Southeasterly . . . . .	Estate of City of Somerville	Estate of Babcock . . . . .	8.33	392.9	. . . . .	266 94	131	230 15
School . . . . .	3	Southeasterly . . . . .	Summer st. . . . .	Highland ave. . . . .	6.67	. . . . .	705.2	678 65	. . . . .	. . . . .
School . . . . .	5	Northwesterly . . . . .	Highland ave. . . . .	Madison st. . . . .	8.33	. . . . .	230.5	193 20	. . . . .	. . . . .
Thurston . . . . .	5	Southeasterly . . . . .	Evergreen ave. . . . .	Medford st. . . . .	8.00	612.2	527.6	925 22	204	284 92
Walnut . . . . .	4	Northwesterly . . . . .	Broadway . . . . .	Estate of McCarthy . . . . .	6.67	. . . . .	224.3	188 85	. . . . .	. . . . .
Wesley . . . . .	4	Both . . . . .	Pearl st. . . . .	Otis st. . . . .	6.67	1,064.0	. . . . .	754 55	355	439 10
William . . . . .	7	Northeasterly . . . . .	Estate of Lockhart . . . . .	Chandler st. . . . .	6.67	257.1	. . . . .	187 34	86	133 75
Willow avenue . . . . .	6 & 7	Both (where not already set)	Elm st. . . . .	Highland ave. . . . .	8.33	1,121.7	1,607.2	2,243 43	374	632 85
Wyatt (south) . . . . .	2	{ Westerly . . . . . Both . . . . .	{ Lincoln park . . . . . Lincoln park . . . . .	{ Wyatt place . . . . . Concord ave. . . . .	{ 6.67 6.67	{ 969.9 . . . . .	. . . . . 150.0	862 51	323	450 95
Wyatt (north) . . . . .	2	{ Easterly . . . . . Westerly . . . . .	{ Washington st. . . . . Washington st. . . . .	{ Lincoln park . . . . . Estate of Morrow . . . . .	{ 6.67 6.67	{ 862.5 . . . . .	. . . . . . . . . .	599 74	287	441 14
Totals . . . . .						40,874.9	5,950.8	\$35,210 53	11,989	\$18,915 18

(1) Includes 117 square yards concrete gutter. Total assessment, \$17,320.66. Net cost to city, \$17,889.87.  
(2) Abatement, \$284.65.  
\* Gutters uncompleted

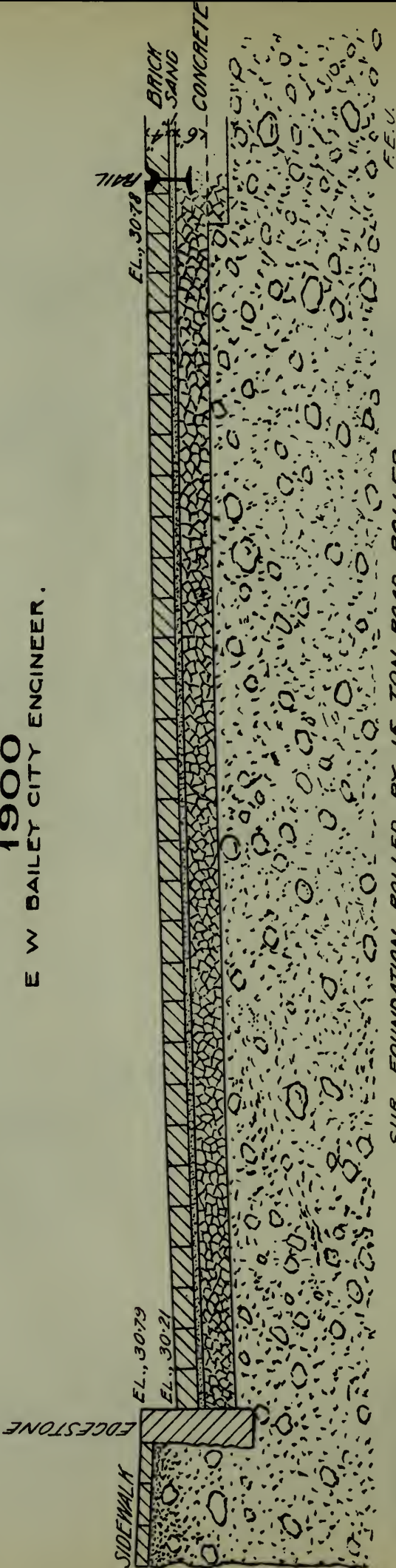
Length of Edgestone and Brick Sidewalk in Each Ward.

	Edgestone.	Brick.
Ward One . . . . .	14.424 miles.	11.208 miles.
Ward Two . . . . .	8.737 miles.	3.642 miles.
Ward Three . . . . .	12.331 miles.	11.125 miles.
Ward Four . . . . .	11.483 miles.	7.749 miles.
Ward Five . . . . .	11.376 miles.	8.820 miles.
Ward Six . . . . .	14.343 miles.	6.398 miles.
Ward Seven . . . . .	13.196 miles.	6.103 miles.
Total lengths in the city . . . . .	86.090 miles.	55.045 miles.



**CITY OF SOMERVILLE**  
**SECTION OF**  
**VITRIFIED BRICK PAVING**  
**AS LAID IN**  
**DAVIS SQ**  
**1900**

**E W BAILEY CITY ENGINEER.**



*SUB FOUNDATION ROLLED BY 15 TON ROAD ROLLER*

*SCALE 1 IN = 3 FT*

**GEO. H. WALKER & CO. BOSTON.**



Cabot, & Daly, for the first-named amount. The structure built is a granite arch bridge, having a span of sixty feet and a rise of 12.85 feet, the length is 120 feet and width fifty-six feet, with a coping projecting one foot on either side; the roadway is forty feet wide and the sidewalks eight feet in width. The bridge is built on a skew angle of sixteen degrees. The foundations are built of concrete masonry, and the outside of the wing walls, arch, coping, and pilasters are of rock-faced granite, of slightly different color and quality.

The total amount of masonry in the bridge is 1,877 cubic yards, and was constructed for \$148.60 less than the original bid. The contractor furnished a portion of the filling to bring the street surface to sub-grade between the wing walls of the bridge, at an expense of \$547.50, and extra work was done, for the city of Medford, at an expense of \$126.75.

A substantial iron fence to protect travel was erected on the line of the back of the sidewalk at an expense of \$491, making the cost of the bridge construction complete \$18,316.65; the Boston Elevated Railway Company paying \$5,000, and the two cities bearing the remainder of the expense.

**Broadway Bridge.** The extension of the double tracks on Broadway to the town of Arlington necessitated the widening of the roadway and lengthening of the old bridge over Alewife brook.

The granite arch, with a span of fifteen feet and rise of 7.5 feet, was extended westerly twenty-four feet, granite masonry wing walls built, and an iron rail fence erected on each sidewalk line, making the street its full width, sixty-five feet, and corresponding with similar work done in Arlington.

**Davis Square Pavement.** The grade in the square was lowered about eighteen inches in the centre, making a uniform slope in cross-section, and the sub-grade foundation rolled with a twelve-ton steam road roller; on this was placed a six-inch layer of concrete and one inch of sand on which the vitrified bricks were laid and the joints filled with Portland cement grout; at intervals of about thirty feet, three joints were filled with tar. The work was done by contract, the city furnishing the vitrified bricks, which were the "Catskill Block"; 3,246 square yards were laid and the total cost per yard was \$2.65.

The railroad company paved the space occupied by their double tracks, a width of about fourteen feet, amounting to 1,018 square yards, to correspond with the city's work.

**SEWER DEPARTMENT.**

**Construction.** What are termed the "separate system" sewers have been extended during the past year in the low, flat districts in the southwesterly part of the city.

One of the main lines was continued westerly on the northerly side of Somerville avenue, from Prospect street to Oak square, and in Elm street as far as Linden avenue, also on the southerly side of Somerville avenue from near Dane street to Oak square; another section was built on the northerly side of Somerville avenue, extending from Poplar street easterly to near the Cambridge line.

A line has been built from the junction of Newton street and Webster avenue, extending through Clark street, Lincoln park, and on the northerly side of Washington street as far as Hanson street, and on the southerly side of Washington street from Lincoln park to Wyatt street; also lines were built on the southerly side of Prospect street and westerly side of Webster avenue.

These sewers vary in size from 24-inch pipe to 8-inch pipe, and the length laid during the year amounted to 14,791.4 feet (2.8 miles), and cost \$31,220.95. The entire length of this new system constructed in the low and flat districts for the purpose of relieving flooded cellars is 6.05 miles, and no assessments are levied for this system.

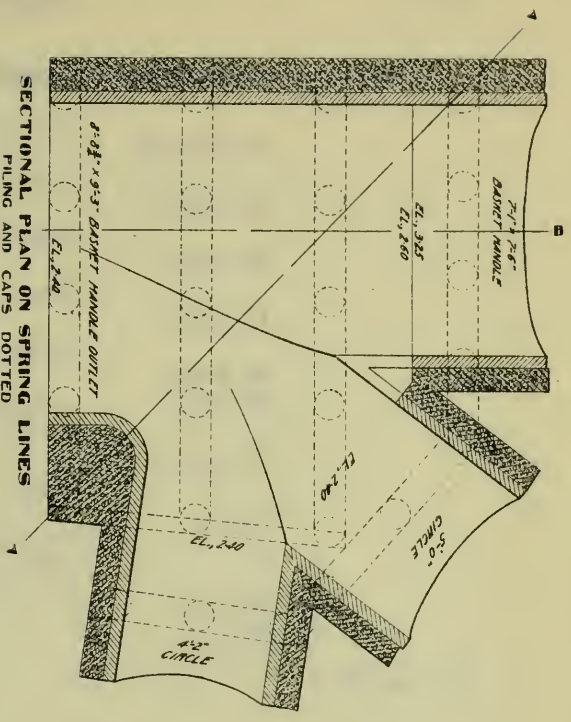
Twenty pipe sewers have been laid in different parts of the city, as petitioned for at various times, a combined length of 10,314.3 feet (1.95 miles), costing \$11,150.33; of this amount, \$10,573.81 has been assessed on the estates benefited, the city assuming the remainder. Total length of sewers constructed during 1900, 4.75 miles.

A bell-mouth chamber was constructed on Mystic avenue at the junction of Winthrop avenue for the purpose of joining three large sewer overflows (seven feet six inches, five feet, four feet two inches) into one outlet line, discharging across the marsh lands into Mystic river in times of storms. This structure was built of concrete and brick masonry on a pile foundation, and cost \$2,264.82.

Seventy-nine catch basins have been built (including ten constructed on the line of the Powder-house boulevard), making the total number of basins in the city 1,118.

The total length of the city's sewerage system is 77.7 miles, and the total cost of constructing has been about \$904,971; in addition to this are three miles of large sewer relief drains used in times of storms, which have cost \$132,367.

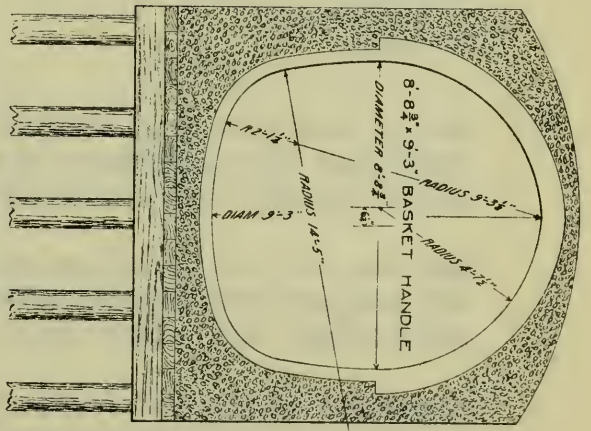
In the table showing sewers built in 1900 will be found an itemized statement of construction and cost.



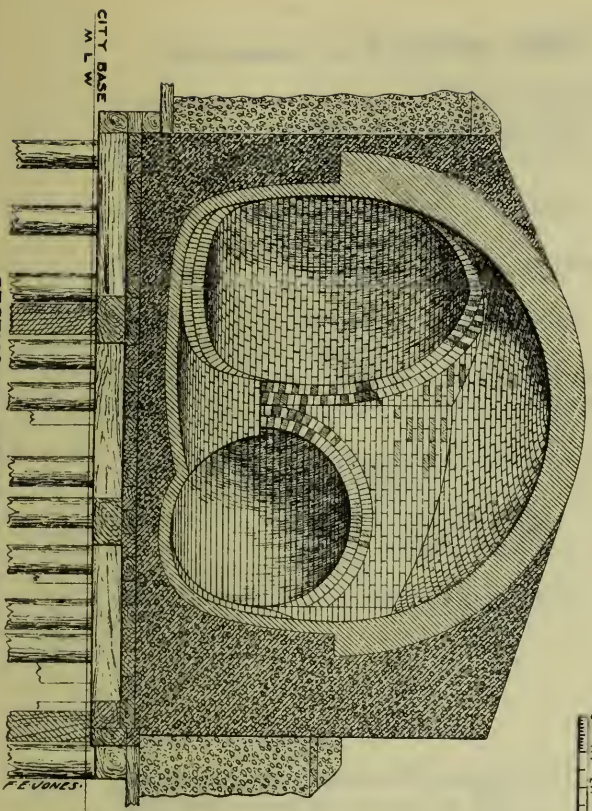
SECTIONAL PLAN ON SPRING LINES  
 FILING AND CAPS DOTTED

0 1' 2' 3' 4' 5' 6' 7' 8' 9' 10'

CITY OF SOMERVILLE  
 PLAN AND ELEVATIONS  
**BELL MOUTH CHAMBER**  
 MYSTIC AVE AT WINTHROP AVE  
 SHOWING  
 THREE DRAINS  
 CONVERTED INTO ONE OUTLET  
 1900  
 E W BAILEY CITY ENGINEER

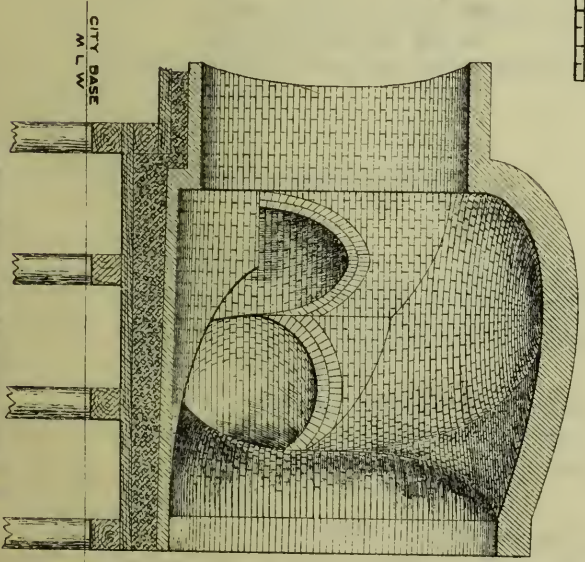


ELEVATION OF OUTLET



SECTIONAL ELEVATION ON A A

GEO. H. WALKER & CO. BOSTON.



SECTIONAL ELEVATION ON B B



**Statement of Expense, 1900, Sewers Construction Account.**

Cost of extending seven lines "separate system" sewers (no assessment)	\$31,220 95	
Cost of constructing twenty sundry sewers (assessments levied)	11,150 33	
Constructing bell-mouth chamber, Mystic avenue	2,264 82	
Building sixty-nine catch basins, street drainage	2,654 31	
Tannery Brook storm drain, final payment 1896 contract	2,800 00	
Tannery Brook storm drain, land damages	1,102 94	
Final payments on sewers constructed in 1899	1,210 79	
Stationery, advertising, settlement for damages, incidentals	219 30	
Materials on hand, drain pipe, \$1,015.41, catch basin stock, \$56.75, manhole stock, \$272.60	1,344 76	
Depreciation in value of materials	18 84	
Total		\$53,987 04
<b>CREDIT.</b>		
Balance unexpended December 31, 1899	\$32,973 90	
Balance of water rates for 1899	12,125 12	
Appropriated from Water Works income	12,000 00	
Received from Sidewalks account, drainage estates, etc.	65 26	
Sundry sewer assessments, constructed in 1900	10,573 81	
Materials on hand December 31, 1900, drain pipe, \$119.91, catch basin stock, \$84.50, manhole stock, \$21.60	226 01	
Unpaid bills, reserves to be paid on 1900 contracts	1,453 93	
		69,418 03
Balance unexpended		\$15,430 99

**Maintenance.** A number of manholes have been built on old sewers where there was no means of examining their condition, and for the purpose of cleaning, and old sewers repaired where found defective.

The large amount of edgestone set during the year and the laying of street railway tracks has necessitated the changing the line and grade of seventy-two catch basins and eighty-eight manholes.

Two hundred and ninety-nine new house drains have been connected with public sewers and forty-three drains repaired during the year by licensed drain layers, their work inspected, and the drains located and recorded in the office for future reference.

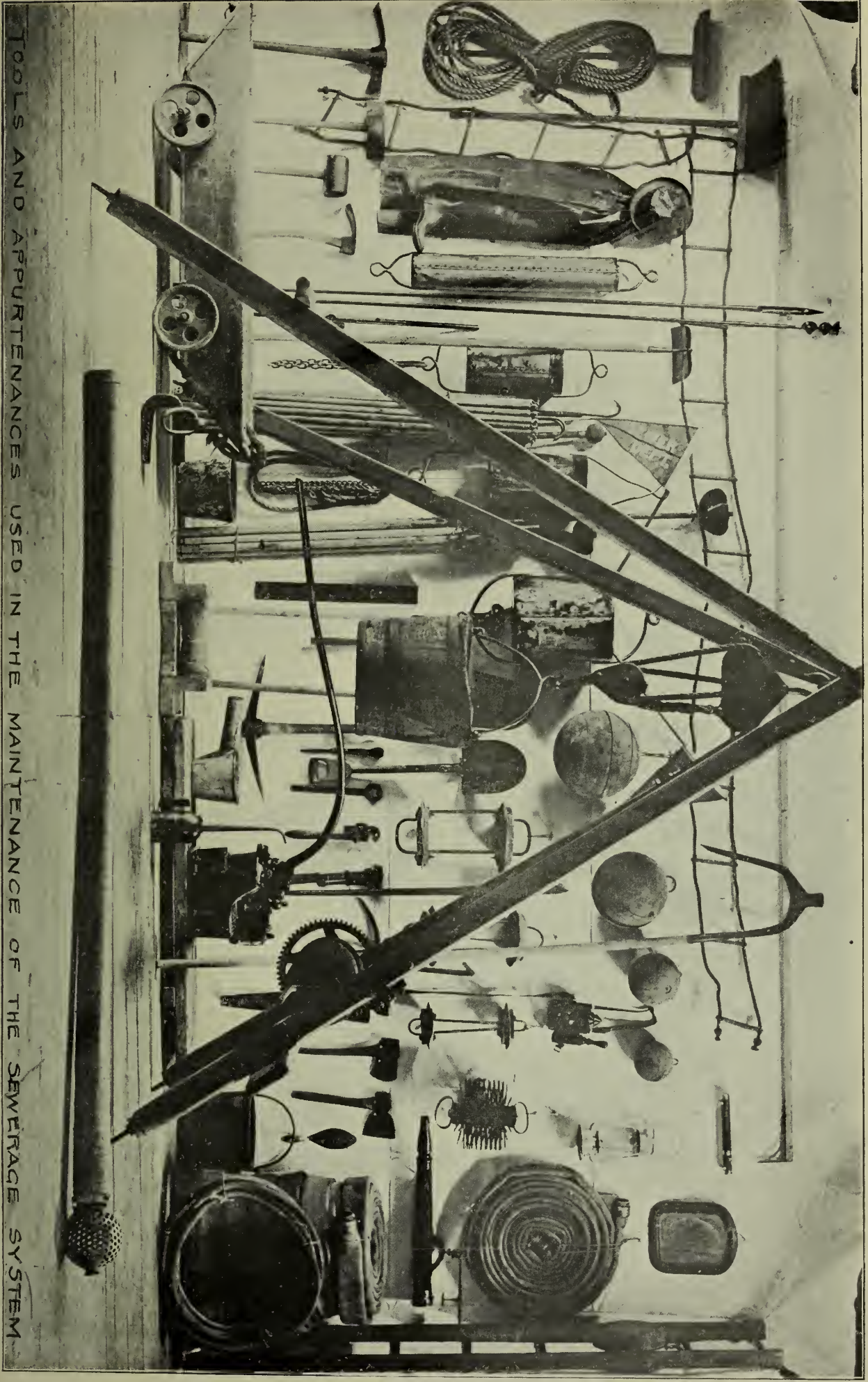
The work of maintaining the city's sewerage system increases as miles of new sewers are constructed each year, more

catch basins built, and connections made with the Metropolitan Sewerage System, and requires a force of men kept permanently for the purpose of cleaning, repairing, and looking after the sanitary condition of the system.

### Statement of Expense, 1900, Sewers Maintenance Account.

Maintenance of sewers, including repairing and cleaning . . . . .	\$3,193 50	
Maintenance of catch basins, repairing and cleaning . . . . .	3,975 28	
Changing line and grade of manholes and repairing . . . . .	322 68	
Changing line and grade of catch basins and repairing . . . . .	343 14	
Inspection and location of house drains . . . . .	445 85	
Rent of water course across marsh land to Mystic river . . . . .	300 00	
New tools and supplies . . . . .	312 68	
Repairs of tools and property . . . . .	81 55	
Changing line and grade of manholes for street railway tracks . . . . .	203 31	
Labor and materials furnished city departments . . . . .	368 43	
Sundry expenses, car fares, telephone, etc. . . . .	43 32	
Materials on hand, cement, \$3.60, lumber, \$12.00 . . . . .	15 60	
	<hr/>	
Total . . . . .		\$9,605 34
CREDIT.		
Appropriation . . . . .	\$9,000 00	
Receipts from city departments and miscellaneous accounts . . . . .	472 28	
Manhole covers from old sewers . . . . .	141 00	
Materials on hand, cement, \$6.80, lumber, \$12.00, drain pipe, \$1.02 . . . . .	19 82	
	<hr/>	
		9,633 10
		<hr/>
Balance unexpended . . . . .		\$27 76
Value of tools and property used in maintenance of sewers . . . . .	\$805 55	

Somerville's assessment for maintenance of the Metropolitan sewerage system for 1900 was \$13,651.50, and on construction account, \$28,272.40.



TOOLS AND APPURTENANCES USED IN THE MAINTENANCE OF THE SEWERAGE SYSTEM

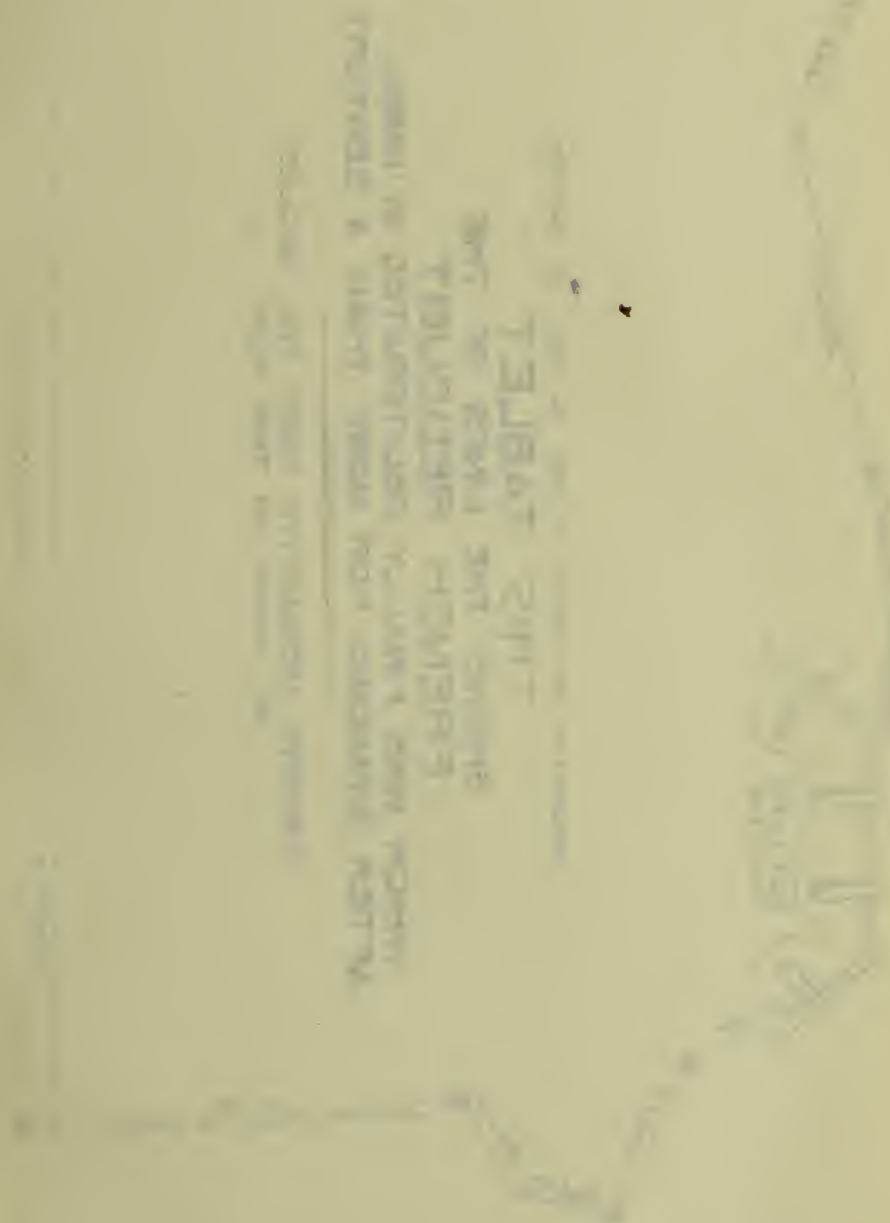




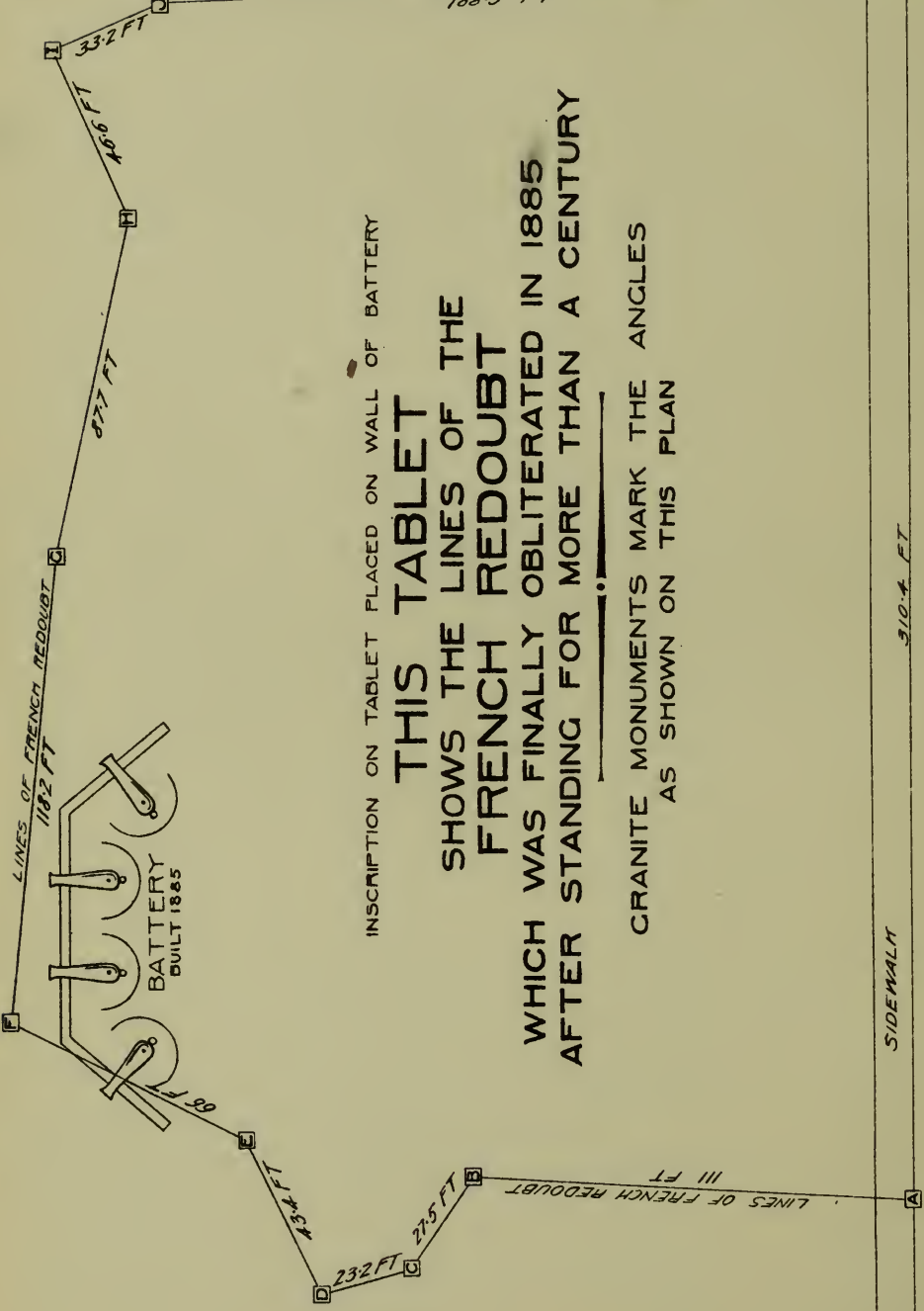




(1000'S) (100'S)



NORTH



INSCRIPTION ON TABLET PLACED ON WALL OF BATTERY

**THIS TABLET**  
**SHOWS THE LINES OF THE**  
**FRENCH REDOUBT**  
**WHICH WAS FINALLY OBLITERATED IN 1885**  
**AFTER STANDING FOR MORE THAN A CENTURY**

GRANITE MONUMENTS MARK THE ANGLES  
 AS SHOWN ON THIS PLAN

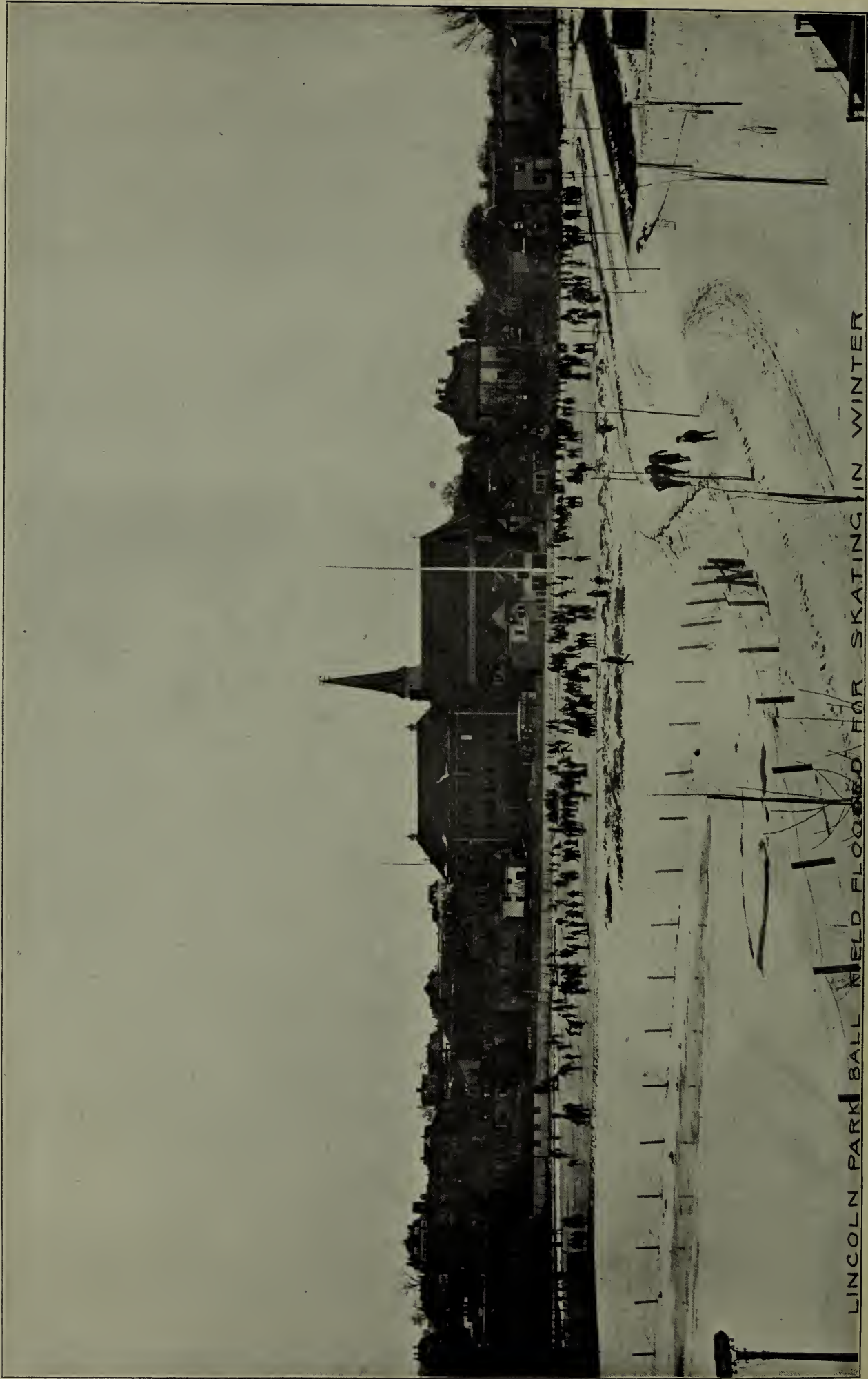
SIDEWALK

310.4 FT.

**HIGHLAND AVE**

SIDEWALK





LINCOLN PARK BALL FIELD FLOODED FOR SKATING IN WINTER

## PUBLIC GROUNDS DEPARTMENT.

The parks and playgrounds of the city have been maintained at a comparatively small expense for the pleasure and benefit derived by the children and citizens; park police have been provided throughout the year, and during the winter ponds maintained for skating.

The athletic field at Lincoln park has been in constant use for ball games and other sports; a new running and bicycle track has been constructed of four and one-half laps to the mile, and an appropriation made for an out-doors' gymnasium. The city's lot at the corner of Broadway and Cedar street has been partially graded for a ball field, and when completed will give that section of the city a long-desired playground.

An appropriation has been made for laying out an athletic field on a section of the Tufts College land, lying between Broadway and the Powder-house boulevard, opposite Tufts park; also an appropriation has been made for purchasing the remaining land of about one and one-fourth acres on Prospect hill to complete this park area.

The water tower that was located on top of Spring hill has been removed and the area will be converted into a small pleasure park.

On Central hill the location of the lines of the old French redoubt has been established and stone bounds set locating the angle points of the old breast-works. A descriptive tablet has been placed on the present "battery wall" showing the location of these bounds, lettered, for future historical reference.

The total area in the city maintained as parks and playgrounds is 52.1 acres.

## Statement of Expense, 1900, Maintenance and Improvement.

Broadway Park (15.9 acres), maintenance:—		
Labor, care of walks, grass, etc.	\$1,090 75	
Labor, preparing pond for skating	152 00	
Labor, police service	323 00	
Tools and supplies	132 42	
Repairing tools and property	55 50	
Plants, flowers, etc.	175 00	
Repairing flagstaff	175 50	
		\$2,104 17
Broadway Parkway (1.4 acres), maintenance:—		
Labor, care of grass, etc.	\$178 50	
Plants, flowers, etc.	75 00	
		253 50
Central Hill Park (13.1 acres), maintenance:—		
Labor, care of walks, grass, etc.	\$1,060 68	
Labor, removing ice and snow	87 50	
Amounts carried forward	\$1,148 18	\$2,357 67

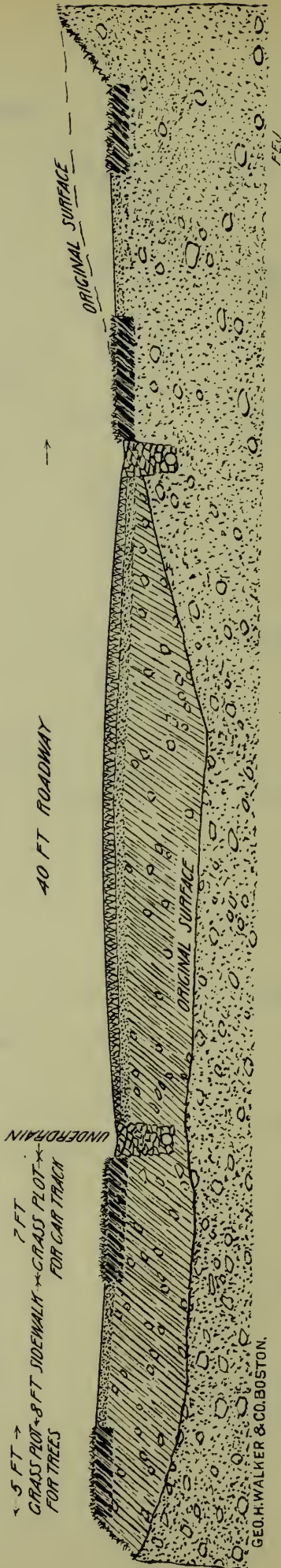
Amounts brought forward . . . . .	\$1,148 18	\$2,357 67
Labor, police service . . . . .	116 00	
Tools and supplies . . . . .	156 92	
Repairing tools and property . . . . .	39 46	
Plants, flowers, etc. . . . .	500 00	
	<hr/>	1,960 56
Improvements:—		
Grading around Library addition . . . . .	\$166 00	
New concrete walks and gutters . . . . .	816 77	
Tablet and bounds showing location of old breastworks . . . . .	191 50	
	<hr/>	1,174 27
Lincoln Park (8.3 acres), maintenance:—		
Labor, care of walks, grass, etc. . . . .	\$972 25	
Labor, flooding field for skating . . . . .	153 50	
Labor, police service . . . . .	253 00	
Tools and supplies . . . . .	245 10	
Repairing tools and property . . . . .	31 40	
Plants, flowers, etc. . . . .	75 00	
Filling in Wyatt's pit . . . . .	39 00	
	<hr/>	1,769 25
Improvements:—		
Flag pole and flag . . . . .	\$298 15	
Fence around Wyatt's pit . . . . .	89 97	
Sidewalk assessment . . . . .	72 59	
Running track and re-grading athletic field . . . . .	381 41	
	<hr/>	842 12
Tufts Park (4.5 acres), maintenance:—		
Labor, care of walks, grass, etc. . . . .	\$783 94	
Labor, police service . . . . .	137 00	
Tools and supplies . . . . .	41 85	
Repairs, tools and property . . . . .	6 70	
New sprinklers for rockery . . . . .	57 95	
Plants, flowers, etc. . . . .	175 00	
	<hr/>	1,202 44
Playgrounds, Glen street, corner Oliver street (0.9 acre):—		
Maintenance—Labor, care of grounds . . . . .	\$8 25	
Improvement—Sidewalk assessment . . . . .	128 77	
	<hr/>	137 02
Prospect Hill Park (1.3 acres):—		
Maintenance—Labor . . . . .		5 00
Playgrounds, Webster avenue (0.2 acre):—		
Maintenance—Labor . . . . .		14 00
Somerville-avenue Cemetery (0.7 acre):—		
Maintenance—Labor, care of grounds . . . . .		44 00
Amount carried forward . . . . .		<hr/>
		\$9,506 33





CITY OF SOMERVILLE  
CROSS SECTION  
POWDER HOUSE BOULEVARD  
1900

E W BAILEY CITY ENGINEER



GEO. H. WALKER & CO. BOSTON.

Amount brought forward . . . . .		\$9,506 33
Playgrounds, Somerville avenue, corner Kent street (0.8 acre):—		
Maintenance—Labor, care of grounds . . . . .	\$26 00	
Seats around trees and set- tees . . . . .	84 60	
	<hr/>	110 60
Improvement—Sidewalk assessment . . . . .		93 11
Playgrounds, Belmont street, near Summer street (0.4 acre):—		
Maintenance—Labor, care of grounds . . . . .	\$57 88	
Removal of high service water tower . . . . .	33 15	
	<hr/>	91 03
Playgrounds, College avenue, opposite Morrison street (0.4 acre):—		
Maintenance—Labor, flooding grounds for skating . . . . .		73 85
Playgrounds, Broadway, corner Cedar street (4.2 acres):—		
Improvement—Sub-grading athletic field . . . . .		638 92
Incidentals . . . . .		45 85
		<hr/>
Total expenditure (52.1 acres) . . . . .		\$10,559 69

## CREDIT.

Appropriation . . . . .	\$10,200 00	
Sale of high service water tower . . . . .	360 00	
	<hr/>	10,560 00
Balance unexpended . . . . .		<hr/> \$0 31

**Appropriations Made and Unexpended.**

Prospect Hill Park, for purchasing additional area (1.25 acres) . . . . .	\$15,000 00
Land, junction Broadway and Main street, Winter Hill, for purchasing triangular piece (1,499 square feet) . . . . .	1,500 00
Proposed athletic field, between Broadway and Powder House Boulevard, for construction (3.9 acres) . . . . .	3,000 00
Purchasing gymnastic apparatus . . . . .	1,000 00
	<hr/>
Total . . . . .	\$20,500 00
Value of tools and property used in main- tenance of the grounds . . . . .	\$1,250 00

**Powder House Boulevard.** Construction work has been extended from North street along the easterly side of Alewife brook to near the Medford line, a length of 3,000 feet, the roadway forty feet in width sub-graded, drains and catch basins constructed, and sidewalks and loam spaces graded; also the sidewalks have been completed on the 1899 work between Powderhouse square and North street, so that the entire boulevard, a

mile and a quarter in length, can be completed by the surfacing of the roadway, the planting of trees, and lighting.

The total cost of work done in 1900 was as follows:—

William J. McCarthy, contractor, labor and materials furnished . . . . .	\$11,426 60
City, labor and materials furnished . . . . .	203 76
Inspection of work and car fares . . . . .	371 70
	<hr/>
Total . . . . .	\$12,002 06

**Appended Table.** Following the report is a table giving names of all streets in the city, public and private, lengths, widths, and the total mileage.

Respectfully submitted,

ERNEST W. BAILEY,  
City Engineer.

TABLE SHOWING THE LOCATION, LENGTH, AND WIDTH OF PUBLIC AND PRIVATE STREETS.

STREET.	FROM	TO	Public or Private.	Width in Feet.	LENGTH.	
					Public.	Private.
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. . . . .	Southeasterly . . . . .	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
Ayer ave. . . . .	Morrison ave. . . . .	Boston ave. . . . .	Private.	70	....	1,500
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
Bedford . . . . .	South st. . . . .	Cambridge line . . . . .	Private.	30	....	160
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. . . . .	High st. . . . .	Public.	50	203	....
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. . . . .	Private.	40	....	500
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	....
Boston ave. . . . .	Medford line . . . . .	Mystic river . . . . .	Public.	60	910	....

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 . . .	Broadway . . .	Medford line . . .	Public.	50	80	....
Boston ave. . . .	Broadway . . .	Ayer Ave. . . . .	Private.	65	....	290
Boston ave. . . .	Ayer ave. . . . .	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. .	Fremont ave. . . .	Public.	40	247	....
Bowdoin . . . . .	Fremont ave. . .	Lincoln park . . .	Private.	40	....	94
Bowers ave. . . .	Cottage ave. . .	Elm st. . . . .	Private.	24	....	88
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 . . . . .	Bercon 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 st. . . .	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 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. .	Asylum grounds .	Private.	30	....	200
Charlestown . . . .	Allen st. . . . .	Easterly . . . . .	Private.	15	....	400
Charnwood road .	Willow ave. . . .	Gordonia road . . .	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	....
Church St. pl.	Church st. (south)	Northwesterly . . .	Private.	25	....	170

\* 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.
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.	40	4,080	....
Columbia . . . . .	Webster ave. . . . .	Cambridge line . . . . .	Public.	40	816	....
Columbia ct. . . . .	Columbia st. . . . .	Webster ave. . . . .	Private.	9	....	150
Columbus ave. . . . .	Windham road . . . . .	Northwesterly . . . . .	Private.	40	....	73
Columbus ave. . . . .	End of above . . . . .	Walnut st. . . . .	Public.	40	1,000	....
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. . . . .	Westerly . . . . .	Private.	40	....	600
Conwell . . . . .	Highland ave. . . . .	Southwesterly . . . . .	Private.	35	....	360
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	520	....
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 . . . . .	Broadway . . . . .	Webster st. . . . .	Public.	40	740	....
Cutter ave. . . . .	Summer st. . . . .	Highland ave. . . . .	Public.	40	430	....
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. . . . .	Easterly . . . . .	Private.	30	....	600
Dartmouth . . . . .	Medford st. . . . .	Broadway . . . . .	Public.	40	1,450	....
Day . . . . .	Elm st. . . . .	Cambridge line . . . . .	Public.	40	940	....
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. . . . .	Private.	40	....	860
Distillhouse . . . . .	South st. . . . .	Cambridge line . . . . .	Private.	35	....	150
Dix pl. . . . .	Linwood st. . . . .	Southwesterly . . . . .	Private.	10	....	100
Dover . . . . .	Elm st. . . . .	Cambridge line . . . . .	Public.	40	940	....
Dow . . . . .	North st. . . . .	Easterly . . . . .	Private.	40	....	645
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
Edmunds . . . . .	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
Elm pl. . . . .	Harvard st. . . .	Easterly & west'ly	Private.	30	....	400
Elm . . . . .	Somerville ave. . .	Cherry st. . . . .	Public.	63	1,	....
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 . .	Private.	40	....	970
Elmwood ter. . . .	Elmwood st. . . .	Easterly . . . . .	Private.	20	....	190
Elston . . . . .	Elm st. . . . .	Summer st. . . . .	Public.	40	396	....
Emerson . . . . .	Everett st. . . . .	Newton st. . . . .	Private.	30	....	170
Emery . . . . .	Fitchburg R. R. . .	South st. . . . .	Private.	30	....	335
Endicott ave. . . .	Broadway . . . . .	Southwesterly . .	Private.	40	....	800
Essex . . . . .	Medford st. . . . .	Richdale ave. . . .	Public.	40	232	....
Eustis . . . . .	Beacon st. . . . .	Southwest . . . . .	Private.	30	....	150
Everett . . . . .	Webster ave. . . .	Newton st. . . . .	Private.	30	....	350
Everett ave. . . . .	Cross st. . . . .	Dana st. . . . .	Public.	40	800	....
Evergreen ave. . .	Marshall st. . . .	Sycamore st. . . . .	Public.	40	1,320	....
Evergreen sq. . . .	Porter st. . . . .	Southeasterly . . .	Private.	8	....	200
Fairlee . . . . .	Cherry st. . . . .	Northwesterly . .	Private.	30	....	150
Fairmount ave. . .	Curtis st. . . . .	Northwesterly . .	Private.	40	....	700
Fairview ter. . . .	Sycamore st. . . . .	Southwesterly . .	Private.	15	....	173
Fanning ave. . . .	Highland ave. . . .	Lexington ave. . .	Public.	50	376	....
Farragut ave. . . .	Broadway . . . . .	Southwesterly . .	Private.	40	....	840
Fenwick . . . . .	Broadway . . . . .	Heath st. . . . .	Public.	40	340	....
Fenwick . . . . .	Heath st. . . . .	Jaques st. . . . .	Private.	40	....	261
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. . . . .	Private.	30	....	550
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 ct. . . . .	Somerville ave. . . .	B. & L. R. R. . . .	Private.	....	....	200
Franklin pl. . . . .	Franklin st. . . . .	Southeasterly . . .	Private.	15	....	100
Franklin . . . . .	Broadway . . . . .	Washington st. . . .	Public.	40+	2,230	....
*Frederick ave. . . .	Willow ave. . . . .	Boston ave. . . . .	Private.	45	....	1,360
Fremont ave. . . . .	Parker st. . . . .	Easterly & west'ly	Private.	30	....	235
Fremont . . . . .	Main st. . . . .	Near Mystic ave. . .	Private.	40	....	1,397
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 . . . . .	Southwesterly . .	Private.	40	....	850
George . . . . .	Broadway . . . . .	Lincoln ave. . . . .	Public.	30	275	....
Gibbens . . . . .	Central st. . . . .	Benton road . . . .	Public.	40	492	....
Giles pl. . . . .	Walnut st. . . . .	Northwesterly . .	Private.	32.71	....	168
Gill's ct. . . . .	Franklin st. . . . .	Westerly . . . . .	Private.	10	....	100
Gilman . . . . .	Cross st. . . . .	Walnut st. . . . .	Public.	40	1,430	....
Gilman ter. . . . .	Pearl st. . . . .	Northeasterly . . .	Private.	40	....	360
Gilson ter. . . . .	Linden ave. . . . .	Northwesterly . .	Private.	20	....	124
Glass House ct. . . .	Webster ave. . . . .	Easterly . . . . .	Private.	40	....	200
Glen . . . . .	Broadway . . . . .	Tufts st. . . . .	Public.	40	2,300	....
Glendale ave. . . .	Cameron ave. . . . .	Yorktown st. . . . .	Private.	40	....	410



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.
Glover circle . . .	Meacham st. . .	Southeasterly . .	Private.	20	....	110
Gordonia road . .	Summer st. . .	Highland ave. . .	Private.	40	....	521
Gorham . . . . .	Holland st. . .	Howard st. . . . .	Public.	40	763	....
Gould ave. . . . .	Porter st. . . . .	Southeasterly . .	Private.	16	....	156
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. . . .	High 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. . . .	Private.	40	....	273
Hancock . . . . .	Elm st. . . . .	Summer st. . . . .	Public.	40	781	....
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	650	....
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.	45	....	750
Henderson . . . . .	Richardson st. . . .	B. & L. R. R. . . .	Private.	20	....	535
Hennessey ct. . . .	Medford st. . . . .	Fisk ave. . . . .	Private.	20	....	250
Henry ave. . . . .	Highland ave. . . .	Lexington ave. . . .	Private.	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	....
Hill . . . . .	Broadway . . . . .	Fairmount ave. . . .	Private.	40	....	286
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 ct. . . . .	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 . .	Private.	30+	....	200
Horace . . . . .	South st. . . . .	Fitchburg R. R. . .	Private.	30	....	510
Houghton . . . . .	Springfield st. . . .	Cambridge line . .	Public.	40	653	....
Howard . . . . .	Thorndike st. . . . .	Gorham st. . . . .	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	....
Jackson . . . . .	Medford st. . . . .	Maple st. . . . .	Private.	30	....	150
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
Kensington ave. . . .	Broadway . . . . .	Blakeley ave. . . .	Private.	40	....	440
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 st. . . . .	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. . . .	Northeasterly . . . .	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 st. . . . .	Northwesterly . . .	Private.	20	....	190
Lexington ave. . . . .	Willow ave. . . . .	Cedar st. . . . .	Private.	50	....	1,360
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 . . .	Private.	33	....	1 750
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
Lowell . . . . .	Vernon st. . . . .	Medford st. . . . .	Public.	40	1,141	....
Lowell ter. . . . .	Lowell st. . . . .	Northwesterly . . . .	Private.	20	....	150

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.
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
Mansfield . . . .	Somerville ave. . . .	Washington st. . . .	Public.	40	735	....
Maple ave. . . .	School st. . . .	Southeasterly . . . .	Private.	40	....	300
Maple pl. . . . .	Marshall st. . . .	Maple ave. . . .	Private.	5	....	125
Maple . . . . .	Poplar st. . . .	Jackson st. . . .	Private.	30	....	470
Marion . . . . .	Concord ave . . . .	Wyatt st. . . .	Public.	40	529	....
Marion . . . . .	Wyatt st. . . .	Northwesterly . . . .	Private.	40	....	182
Marshall . . . .	Broadway . . . .	Pearl st. . . .	Public.	40	1,650	....
May pl. . . . .	Hawkins st. . . .	Easterly . . . .	Private.	12	....	160
McCulpe pl. . . .	Medford st. . . .	Easterly . . . .	Private.	10	....	110
McGregor ave. . . .	Wigglesworth st. . . .	Walnut st. . . .	Private.	about 10	....	250
Meacham . . . .	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. . . .	Medford line . . . .	Public.	60	3,400	....
Milk pl. . . . .	Somerville ave. . . .	Southwesterly . . . .	Private.	about 30	....	100
Miller . . . . .	Sacramento st. . . .	Northwesterly . . . .	Private.	33	....	350
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. . . .	Private.	50	....	1,100
Murdock . . . .	Cedar st. . . .	Clyde st. . . .	Private.	30	....	900
Murray . . . . .	Washington st. . . .	Southerly . . . .	Private.	30	....	250
Museum . . . . .	Beacon st. . . .	Cambridge line . . . .	Private.	40	....	170
Myrtle ct. . . . .	Myrtle st. . . .	Easterly . . . .	Private.	10	....	100
Myrtle . . . . .	Washington st. . . .	Perkins st. . . .	Private.	40	1,400	....
Mystic ave. . . .	Charlestown line . . . .	Union st. . . .	Public.	60	350	....
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

\* 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.
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	....
Newbury . . . . .	Holland st. . . . .	Cambridge line . . . . .	Public.	40	1,250	....
Newman pl. . . . .	Cedar st. . . . .	Southeasterly . . . . .	Private.	10+	....	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 st. . . . .	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. . . . .	Private.	40	....	440
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 . . . . .	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. . . . .	Private.	30	....	350
Poplar . . . . .	Linwood st. . . . .	Joy st. . . . .	Private.	35	....	300
Porter ave. . . . .	Porter st. . . . .	Northwesterly . . . . .	Private.	20	....	220
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	....

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.
Prescott . . . .	Summer st. . . .	Highland ave. . . .	Public.	50	1,050	....
Preston . . . .	School st. . . .	Summer st. . . .	Public.	40	800	....
Pritchard ave. . . .	Morrison ave. . . .	Boston ave. . . .	Private.	40	....	1,145
Princeton . . . .	Alpine st. . . .	Lowell st. . . .	Public.	40	657	....
Princeton . . . .	Lowell st. . . .	Centre st. . . .	Private.	40	....	540
Professors' row . . . .	Boston ave. . . .	College ave. . . .	Private.	50	....	460
Professors' row . . . .	College ave. . . .	Curtis st. . . .	Private.	40	....	1,900
Prospect . . . .	Washington st. . . .	Cambridge line	Public.	50	2,050	....
Prospect Hill av. . . .	Medford st. . . .	Munroe st. . . .	Public.	40	450	....
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. . . .	Broadway . . . .	Private.	45	....	1,700
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 pl. . . .	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
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'y.	Private.	20	....	222
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. . . .	Fanning ave. . . .	Private.	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

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.
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 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	....
Sunner . . . .	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. . . .	Private.	33	....	720
Sydney . . . .	Wheatland st. . . .	Temple st. . . .	Private.	40	....	925
Talbot ave. . . .	Packard ave. . . .	College ave. . . .	Private.	50	....	1,409
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
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. . . .	Private.	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 . . . .	Washington st. . . .	Cross st. . . .	Public.	40	940	....
Tyler . . . .	Vine st. . . .	Dane st. . . .	Public.	40	404	....
Unnamed st. . . .	P'wd'r h'se blvd. . . .	Southwesterly . . . .	Private.	40	....	183
Unnamed st. . . .	Mystic ave. . . .	Middlesex ave. . . .	Private.	40	....	433
Unnamed st. . . .	Mystic ave. . . .	Middlesex ave. . . .	Private.	40	....	583
Unnamed st. . . .	Mystic ave. . . .	Middlesex ave. . . .	Private.	40	....	706
Union . . . .	Broadway . . . .	Mystic ave. . . .	Public.	40	331	....
Union pl. . . .	Linwood st. . . .	Southwesterly . . . .	Private.	10	....	100
Upland Park . . . .	Main st. . . .	Southwesterly . . . .	Private.	20	....	175
Veazie . . . .	Walnut st. . . .	Bradley st. . . .	Private.	40	....	650
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 B. R. R. . .	Private.	35	....	200
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. . . .	Earl st. . . .	Private.	30	....	610
Ware . . . .	Curtis st. . . .	Northwesterly . . . .	Private.	40	....	700

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.
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 ave. . . .	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
Waverley . . . . .	Washington st. . . . .	Southerly . . . . .	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 B. 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 . . . . .	Hawthorne st. . . . .	Arlington B. R. R. .	Private.	30	....	575
†White . . . . .	Elm st. . . . .	Cambridge line . . .	Public.	40	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. . . . .	Private.	30	....	400
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. . . . .	Private.	35	....	470
Winchester . . . . .	Broadway . . . . .	Medford line . . . .	Private.	40	....	65
Windham road . . . . .	Washington st. . . . .	Northeasterly . . .	Private.	40	....	335
Windom . . . . .	Elm st. . . . .	Summer st. . . . .	Public.	40	300	....
Windsor road . . . . .	Willow ave. . . . .	Gordonia road . . . .	Public.	40	575	....
Winslow ave. . . . .	College ave. . . . .	Clifton st. . . . .	Public.	40	1,086	....
Winter . . . . .	College ave. . . . .	Holland st. . . . .	Private.	30	....	430
Winter Hill cir. . . . .	Broadway . . . . .	Northeasterly . . .	Private.	25	....	177
Winthrop ave. . . . . (Fellsway.)	Broadway . . . . .	Mystic ave. . . . .	Public.	50	1,170	....
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
Wyatt ct. . . . .	Wyatt st. . . . .	Westerly . . . . .	Private.	13	....	200
Wyatt pl. . . . .	Wyatt st. . . . .	Westerly . . . . .	Private.	10	....	70
Wyatt . . . . .	Concord ave. . . . .	Lincoln parkway . .	Public.	40	496	....
Yorktown . . . . .	{ 100 ft. north of } { Malvern ave. }	Cambridge line . . .	Private.	40	....	548

\*Proposed.

†Sidewalk in Somerville.

**Table Showing the Location, Length, and Width of Public and Private Streets.—Concluded.**

UNNAMED STREETS.

STREET.	FROM	To	Public or Private.	Width in Feet.	LENGTH.	
					Public.	Private.
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 . . . . .	11 Cedar st. . . . .	Southeasterly . .	Private.	15	....	145
Total . . . . .	. . . . .	. . . . .	. . . . .	. . . . .	326,021	154,408

Public, 61.74 miles; private, 29.24 miles.



## REPORT OF THE STREET COMMISSIONER.

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OFFICE OF THE STREET COMMISSIONER, }  
January 1, 1901. }

To His Honor, the Mayor, and the Board of Aldermen:—

Gentlemen,—In compliance with the requirements of the city charter, I most respectfully submit to you my annual report of the Highway department for the year 1900. Appended to this report is a tabulated statement of work performed on streets, bridges, curbing, sidewalks, crosswalks, paved gutters, stone breaker, and street watering.

The question of how to make and how to maintain good streets is one that is steadily pressing to the front as one of the most important concerns of the Highway department. During the past four years miles of streets have been dug up by the Water department, the Sewer department, gas companies, the Metropolitan Water and Sewer commissions, and the Massachusetts Pipe Line Gas Company for the purpose of laying pipes of various kinds. In the matter of house connections, the practice of tunneling under paved driveways and streets, where the tunnel is more than six inches in diameter, ought never to be allowed, and when borings are made for pipes the bore should be made only as large as will allow the pipe to be put into position. From my experience it can be safely said that it is impossible to refill a horizontal tunnel so that the pavement over the trench will not sooner or later settle and require repairs.

### Street Cleaning.

One new steel side sweeping machine has been purchased from William C. Oastler, making two two-horse and two one-horse machines in the department, all of which are in good condition. To complete our sweeping equipment, I would recommend the purchase of a gutter sweeper and pick-up machine, which will facilitate the work of cleaning our squares and paved streets. The latter machine will sweep a space seven feet wide, taking up the dirt as it goes along the street until the receptacle is filled, when it may be dumped and carted away. The gutter machine goes ahead of the pick-up machine, and will leave the street as clean as a house floor. When the streets are very muddy, the Barnard Castle scraper is used. This is one of the most valuable machines in the department, since one man with a pair of good horses can scrape twelve miles of forty-foot streets in a day.

The patrol system of keeping the streets clear of rubbish, waste paper, tin cans, etc., has, during the past year, been demonstrated as the only solution of the street-cleaning problem. One man, supplied with a cart, broom, shovel, pick, and rake, is assigned to a certain district, to which he is required to give his constant attention. He is instructed to watch for careless persons who throw paper and other rubbish on the sidewalks, crosswalks, and streets, to fill and patch all depressions, to replace loose bricks in the sidewalks, and to cut the grass and weeds on the borders of the streets within his district. Professor Morse says:—

“I would compel every one who is guilty of throwing banana skins, apple cores, papers, and strings into the public streets to eat and swallow them.”

while Ross Turner says:—

“It should be made a crime for a person to throw rubbish into the streets, or even litter the alleyways and back yards. A love of public orderliness is the soil in which a love of the beautiful grows.”

#### **City Ledge.**

At the ledge between Broadway and Holland street a gang of men work constantly removing stone for ballast, and, by means of the stone crusher, preparing the harder stone for concrete and street work. During the year a large amount has been sold to the Boston Elevated Railway Company, John Turner & Co., Tufts College, Somerville Electric Light Company, William J. McCarty, and others.

#### **Watering Streets.**

Under the legislative act authorizing cities to water streets and to assess abutters a portion of the cost, only accepted streets are watered. On private streets the entire cost must be paid in advance before any watering is done. The work of watering the streets is let out by contract, a uniform price of \$75 per month per cart being paid to each contractor who furnishes a pair of horses and a driver. There are twenty-five watering carts belonging to the department, and the city has been divided into a corresponding number of districts, each averaging about two miles of streets. Each contractor is required to keep the streets within his districts properly watered at all times, Sundays included.

This force is under the direction of an efficient assistant, and the service has been performed in a most satisfactory manner. The season has been the dryest one known for years, there having been but thirty-four rainy days during the seven months in which the streets were watered.





DAVIS SQUARE BRICK PAVEMENT.

All repairs to carts are made in our own shop. I would recommend the purchase of one new cart for use during the coming season.

### **Oiled Streets.**

The State Highway Commission has made some experiments with oil at Cottage City, but with rather unsatisfactory results. For a section of road 800 feet long and 15 feet wide, 50 gallons of oil were used for each 100 linear feet, and the cost averaged \$4.35 per 100 feet. The oil was applied in June, and was thought at first to be a great success, as no dust blew from the section treated, while in other parts of the road it blew in clouds. The good effect was not lasting, however, for a month later the stone began to unravel, and it was necessary to spread binding material. There was also complaint that, on the oil-treated section of the road, the material thrown into carriages by the wheels injured robes and clothing.

Notwithstanding the failure of this experiment, oiling streets has been successful in some parts of California, where about the same conditions exist as at Cottage City. O. W. Longden says, in a paper read before the Good Roads Association of Southern California, where people have become accustomed to traveling on dusty roads:—

“Whether water-sprinkled or oiled, the dustless condition must be maintained. There is no doubt as to the efficiency of oil on roads. It is superior to water in that, when properly applied, it is lasting, costs less, and makes a desirable road. It coats the road with a wearing surface that needs but slight attention to keep it in good condition. We apply the oil hot by means of the DeCamp machine, and the hotter the oil, the quicker it unites with the dust, and the more readily it is absorbed by the road surface. Two or three applications during the season are sufficient, forty to fifty barrels to the mile, at a cost of \$75 per mile.”

It is claimed by some that the sprinkling of oil on roads is destructive to rubber tires, and that the odor is intolerable; yet a short section of street might be treated in this way as a test of its efficiency.

### **Vitrified Brick Pavement.**

The advantages claimed for brick pavement are many. It is both inexpensive and durable, clean, healthful, and free from dust, is not slippery, does not glaze when worn, as do granite and asphalt, is easily repaired, is easily taken up when water or gas pipes must be laid, and is comparatively noiseless. The use of brick pavement is by no means a new and untried experiment, having been in use in Holland for over one hundred years, in parts of England for over thirty years, at Charlestown, W. Va., for twenty years, and in many other places, with satisfactory results.

Davis square has been paved with vitrified brick. These

bricks differ greatly from those used for ordinary building purposes. They are made from a combination of shale and clay. Shale is found largely in the Middle West, and is a hard, partially-formed slate-rock, which, being pulverized and softened with water, has the appearance of common clay. At Canton, O., shale and clay are found in the same bank, clay near the surface, and shale beneath.

At Catskill, N. Y., the materials are taken from different banks and mixed at the works, as much of the value of a paving brick depends on a proper mixing of materials in the best proportions. Bricks made from shale and clay are dark brown or red in color, hard in texture, and tend to be brittle if over burned or vitrified. In paving Davis square, bricks of both the Canton and Catskill varieties were used. The bricks are laid on a concrete foundation six inches thick, with a bed of sand two inches thick between concrete and bricks; the joints are filled with Portland cement provided with an expansion joint of pitch at intervals of every thirty feet. Before this pavement is laid all sewer, gas, and water pipes should be required to be laid to the curbstone line, and in case it becomes necessary at any time to open a street paved with brick, the entire work of making such openings should be done under the supervision of the Street Commissioner.

### Wide Tires.

General Roy Stone says he regards it of special importance, in maintenance of public highways, that the vehicles used on them shall have tires of greater width than are now in general use. An order passed by the Board of Aldermen in relation to wide tires is being complied with. In making repairs and in constructing new carts and wagons, we put 5-inch tires on the rear wheels of the four-wheeled carts, and 4-inch tires on the front wheels, and the front axle is shortened 8 inches, so that the wheels will not track those of another vehicle, while on the two-wheeled carts and watering carts we put 4-inch tires. Great injury is done by narrow-tired wheels. Wide-tired wheels, with the axles of unequal length, so that the wheels will not track under heavy loads, act as road rollers, and keep the streets hard and well packed, and always free from ruts. No man has a right to destroy good roads that are built for the benefit of the public, and narrow tires should be abolished. If wide tires will not make good streets, they will keep good streets in good condition.

The Legislature of 1900 passed an act to regulate the width of tires on draft wagons as follows:—

Chapter 334, an Act to Regulate the Width of Tires on Draft Wagons.

Section 1. On and after the first day of January in the year 1902, it shall be unlawful, except as provided in section four of this act, to use upon any road, street, or way in this Commonwealth a draft wagon or

cart having tires of iron or steel, or of any substance equally hard, which are less in width than one and one-half times the diameter of the axle measured at the shoulder thereof; but in no case shall a tire more than four inches in width be required, and wagons or carts built with wooden or hollow axles shall have tires not less in width than the diameter of the axle measured at the shoulder thereof.

Section 2. This act shall apply to all wagons and carts the axles of which are two inches or more in diameter, measured as aforesaid, and to all stage coaches, tally-ho coaches, barges, and other passenger vehicles not built to run on iron or steel rails, and constructed to carry eight or more persons.

Section 3. Whoever violates any provision of this act shall be punished by a fine not exceeding one hundred dollars.

Section 4. This act shall take effect on the first day of January in the year 1902, but shall not apply to wagons or other vehicles owned and used in this state on that date. (Approved May 23, 1900.)

### Wayside Advertising.

The custom of advertising by the wayside has caused a great many complaints from property owners, so that it has been necessary for me to adopt strict measures to prevent the disfigurement of fences, new buildings, etc.

### Brown-Tail Moths.

Many complaints have been made, by residents of the city, of the ravages of this pest, and as fast as evidences of the moth are discovered in the trees on the highways they are promptly removed. Satisfactory results cannot be attained, however, unless private individuals see fit to care for the trees within their grounds.

### Tar Macadam Streets.

Through the courtesy of W. L. Dickenson, superintendent of streets of Springfield for a number of years, I have obtained a copy of the specifications for constructing tar macadam streets. F. M. Shepard, United States consul at Hamilton, Ontario, describes them as being very successful:—

#### SPECIFICATIONS FOR TAR MACADAM STREET.

##### EXCAVATION.

All earth or other material above the sub-grade shall be excavated so as to conform to the level of the sub-grade, which will be ten inches below the finished surface of the roadway, and should the sub-grade be above the level of the natural ground, then earth shall be deposited until the level of the sub-grade is reached. The sub-grade shall be shaped to the profile and cross section, which will be furnished by the City Engineer.

##### ROLLING.

After the sub-grade has been formed to the proper camber of the road, generally one-half inch per foot, or six inches for a twenty-four-foot roadway, to be thoroughly rolled with a steam roller, and if, by this

means, soft spots are revealed, they shall be filled with good solid material.

#### SIZE OF STONE.

The first six inches shall be made in the ordinary way for a macadam or Telford roadway, thoroughly rolled. If so required, it may be made of hard broken stone, furnace clinkers, or brick rolled smooth and finished to the required camber of the road. Upon this shall be placed the tarred stone. The first layer, three inches of hard broken stone, to pass through a two-and-one-half-inch ring, then a two-inch layer of machine-broken stone, the whole smoothed off with a hand roller, and, after top dressing is applied, thoroughly rolled with a steam roller. On this a layer composed of fine gravel and quarry chippings, mixed in equal proportions three-quarters inch thick, shall be placed and well rolled in so as to fill all interstices. Before finishing, a dressing of stone screenings for the purpose of coloring shall be scattered broadcast, to be worked in by the traffic. All layers, including the coloring layer, shall be thoroughly compacted by rolling.

#### METHOD OF MIXING TAR.

The stone to be tarred shall, if moist, be heated on an iron floor under which are flues from a fire, until the moisture is driven out. The material in its heated state is then to be thoroughly mixed with a sufficient quantity of tar. The broken stone in warm weather may be sundried, but in all cases the finer course must be artificially dried. At the same time, care must also be taken not to get this material too hot. The tar should be boiled in iron kettles holding one hundred imperial gallons. Eight imperial gallons should be added to each cubic yard of the coarser material, or more if required to completely cover the stone, and eighteen gallons to the finer kinds of stone.

#### TAR

The tar must be pure coal tar, free from all foreign substances, and containing not more than five per cent. of water, and shall contain upon analysis not less than fifty-five per cent. pitch, except on steep grades, when soft pitch must be added.

#### WEATHER.

The work must be done in the summer months, and all work must be suspended during wet weather.

On streets of slight grade, where surface water is turned into the catch-basins at frequent intervals, the cobblestone gutter might be omitted and the tar macadam laid up to the edgestone, giving a good, smooth gutter.

I think the construction of tar macadam streets worthy of considerable further investigation, and in order to ascertain the durability of streets built in this manner it may be advisable to make some experiments with this method of construction.

### **Boston Avenue Bridge (Old).**

This bridge was built in the year 1872, and rested on the piers that supported the viaduct of the old Middlesex canal. The new bridge was constructed to take the place of this old wooden structure.



### **Boston Avenue Bridge (New).**

A granite arch bridge has been constructed across the Mystic river between Somerville and Medford, the two cities and the Boston Elevated Railway Company paying for the construction of said bridge. The design was made by City Engineer Ernest W. Bailey, also the plans and specifications. The construction of this bridge was placed in charge of the street commissioner of Somerville; the contract was made with Holbrook, Cabot, & Daly for the sum of eighteen thousand dollars, and this amount will complete the work.

### **Subways.**

The subways at Kent street and Sacramento street require constant care in stormy weather. After severe rain storms it becomes necessary to close them while the water is pumped out.

### **Middlesex Avenue Bridge.**

This bridge, by an act of the legislature, has to be maintained jointly by the cities of Somerville and Medford. The custody of the bridge is placed in charge of the city of Medford, that city making all repairs and the city of Somerville paying one-half the cost of same. This bridge is none too safe for the heavy traffic passing over it, and as the city of Somerville is liable for one-half of any damage that may occur, something should be done before it is too late, and I would recommend that a thorough examination of this bridge be made by our city engineer.

### **Broadway Bridge at Alewife Brook.**

The stone arch bridge at Alewife brook has been widened to conform to the width of Broadway at that point. Neat iron railings have been placed on both sides along the entire length of the sidewalks, and the bank on the southwesterly side of Broadway has been cut back to the street line from the bridge to North street.

### **Street Railways.**

The Boston Elevated Railway Company has laid double tracks in Pearl and Medford streets from Cross street to Broadway, in Broadway from the top of Winter hill to the Arlington line, in College avenue from Broadway to the Medford line, and in Boston avenue from the bridge to the Medford line, a total length of about six miles.

The space occupied by the tracks and the space between the tracks from the junction of Broadway and Main street to Jenny Lind avenue has been paved with asphalt, and granite block paving to the width of eighteen inches has been laid outside the outer

rails, the railway company assuming the whole cost. All material excavated from these locations has been utilized on old streets or piled up for future use.

A location has been granted the Boston Elevated Railway Company for a double track in Cross street from Broadway to Medford street.

The company has purchased a piece of land at the corner of Cross and Medford streets with a view to lengthening the curve at that point and thereby doing away with a long-endured nuisance, that of the noise made by cars rounding the short curve.

Cross street will be paved from Broadway to Fountain avenue with Trinidad asphalt during the ensuing year, the curbstones reset, and the sidewalks relaid. All this is to be done in connection with the laying of double tracks in said street, a location for which has been granted the railway company.

#### Miscellaneous Work.

One hundred street signs and guide signs have been erected during the year; great improvement has been made in this line, and no city is better equipped than ours. The old iron gas posts are utilized and all work is done in our own shop.

The steam rollers have been kept constantly at work since March twenty-third. The Buffalo Pitts twelve-ton roller is in good condition, and will need but slight repairs, but the Kelley roller demands extensive repairs, and I would recommend that it be sold or exchanged for another. The former has worked 201 days and the latter 192 days during the year.

The wall of Professor Norton's estate on Beacon street has been set back to the city line, thereby greatly improving that part of the street. This was considered necessary to insure safe travel, and \$200 of the expense is to be borne by Professor Norton, as per agreement.

Twenty-four old streets (26,442 feet) have been resurfaced and macadamized and rolled with the steam roller.

Twelve new streets (8,689 feet) have been constructed, macadamized, and rolled with the steam roller.

Twelve streets have been accepted, and two of them, Meacham street (402 feet) and Hall street (456 feet), have been constructed. The remaining ten streets (7,949 feet) were accepted at too late a date to make work upon them possible.

There are 61.76 miles of public streets and 29.26 miles of private streets in the city.

About 7,000 yards of new sidewalks have been laid, and approximately eight miles of edgestones have been set.

Seven stone flagging street crossings and ten vitrified brick crossings, three stone flagging driveways and seven vitrified brick driveways have been constructed. Eleven street crossings have been relaid.



BOSTON-AVENUE BRIDGE (NEW).



Granolithic sidewalks to the extent of 277 1-2 yards have been laid.

I would recommend that edgestone be laid in Washington street and that the gutters be paved with block stone on the southerly side from the Charlestown line to the railroad bridge; that Medford street from the Lowell railroad to Broadway be paved with blockstone; that Washington street from Union square to the Cambridge line be resurfaced and macadamized; that Main street from Broadway to the Medford line be paved.

Repairs are needed in Union square, which has been torn up so many times during the past four years; Highland avenue should have a coat of hard stone; Pearl street from Cross street to Gilman square needs repairs, as does also Medford street from Gilman square to Dartmouth street. The southerly end of Middlesex avenue is in bad condition, and should be macadamized, and College avenue, which has been widened ten feet on the northerly side, should also be macadamized.

Two hundred and one permits have been issued granting the right to obstruct streets and sidewalks, to blast, etc.

Eighty-four permits have been given by the City Engineer for house drains.

One thousand five hundred defects in streets and sidewalks have been reported by the police.

Ten miles of streets have been dug up by the water department, sewer department, and gas and electric light companies for the laying of pipes and wires.

Fifteen thousand five hundred and two loads of debris, 6,375 loads of old macadam, 7,086 loads of street sweepings, 1,358 loads of snow, and 200 loads of ashes have been removed from sundry streets.

We have been fortunate during the past year in having but few snowstorms.

I would recommend that vacant lots of land in different sections of the city be provided for storage purposes. There are many opportunities to purchase sand, gravel, and stone at a low cost, and money might be saved if there were available lots for storage. These lots are much needed for storing materials used for repairs, to save teaming them from a long distance, and thereby reduce expense.

I would recommend that the sum of five thousand dollars be appropriated for street paving.

An act to make eight hours a day's work for city employees having been adopted by our city will tend to increase the appropriation for highways, to what extent I am at present unable to state.

#### **Shade Trees.**

Americans are fond of planting shade trees on roads and streets in cities large and small, and this disposition to make cities

more beautiful is one worthy of encouragement. Many trees which are properly planted and which flourish for a time are poisoned at the roots by leaking gas, some are burned by electric wires, and many are injured by horses gnawing the bark. A horse can ruin in fifteen minutes a tree which has been watched over for thirty years.

I would recommend that when trees are planted they be protected by means of wire or wooden protectors placed about them. During the year the department has set 115 trees furnished by residents, and 118 trees provided by the city. One hundred and twenty-five tree protectors have been used. Thirty-eight trees which were in a dangerous condition and sixteen decayed trees have been hewn down.

### **Street Openings.**

There is no feature of the work of this department which stands in such dire need of reform as that of putting into proper condition streets which have been dug up. During the past year I have been obliged to emphasize its importance repeatedly. The work of constructing the sewerage system, laying water and gas pipes, replacing poles, and laying underground wires has interfered with the keeping in proper condition of several of the main thoroughfares. All trenches should be properly rammed and puddled. Sandy soil should be puddled, but in a heavy soil no water should be used, and there should be twice as many rammers as shovellers.

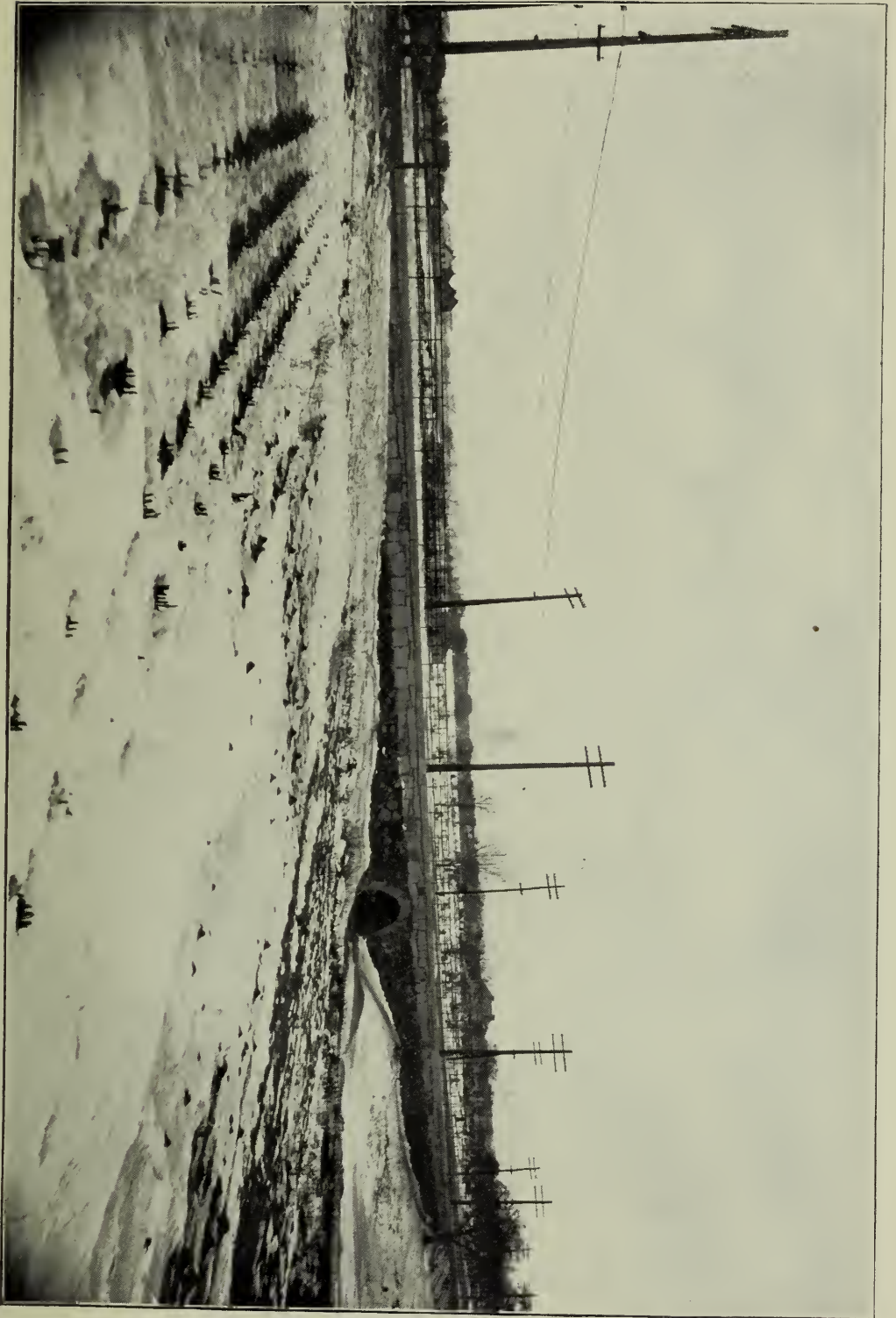
### **Criticism.**

The street commissioner of any city is subjected to much criticism, both just and unjust, and during the past year I realize that my labors have been criticised to a certain extent. People living in unaccepted streets make complaint that these streets are not properly cared for, not considering the fact that the city is not responsible for their condition, except in so far as to keep them safe for travel and close them when necessary. I have always attempted to keep such streets in as good condition as my authority permits.

The work of the highway department differs from that of the sewer and water departments in that both sewer and water pipes are covered and out of sight, while the results of my labors remain on the surface for critics to walk over, drive over, and talk over.

### **Employment of Home Labor.**

The claim of those who, as long time dwellers in our city, demand a share of employment on her public works is one which should be met with a fair recognition, while at the same time it



BROADWAY BRIDGE AND WALL AT ALEWIFE BROOK.





should not be permitted to conflict with public affairs or to influence its officials in the economical administration of their duties. The men who constitute the working force of the highway department are picked men; they are able-bodied men, and no person who is not a resident of Somerville is employed in the department. All our work is done by the day, and during the past year all unruly men and orators have severed their connection with the department.

### Detailed Statement.

The following is a detailed statement of the expenditures of the department, with tables of streets, sidewalks, gutters, and crossings constructed, and streets repaired, and other information.

### Highways Maintenance Account.

#### CREDIT.

Appropriation . . . . .		\$7,000 00
Receipts and credits:—		
Balance brought forward from last year's account . . . . .	\$29,471 71	
Commonwealth of Massachusetts, street railway tax . . . . .	55,776 28	
Labor and materials furnished prior to January 1, 1900, the bills for which remained uncollected that day . . . . .	17 31	
	<hr/>	85,265 30
Value of materials on hand January 1, 1900 . . . . .		751 30
Value of tools and property on hand January 1, 1900 . . . . .		16,376 30
Net gain on tools, property, and materials . . . . .		5,151 94
		<hr/>
Total credit . . . . .		\$114,544 84

#### DEBIT.

Expenditures:—		
For repairs of sundry streets, as appears by table B at end of this report . . . . .		\$14,845 83
General repairs of streets . . . . .		12,917 30
Repairs of stone paving . . . . .		684 40
Repairs of gravel sidewalks . . . . .		2,165 90
Repairs of City scales, Union square . . . . .		19 15
Removing and rebuilding stone wall, Beacon street, in front of estate of Professor Norton . . . . .		1,778 00
Cutting embankment in front of sundry estates caused by the construction of sidewalks . . . . .		295 30
Widening of Broadway, from Jenny Lind avenue to Magoun square . . . . .		90 80
Changing grade of driveway, Broadway, corner Franklin street . . . . .		18 90
Removing snow and ice and care of slippery sidewalks . . . . .		1,760 60
Setting edgestones and grading in front of estate of Margaret E. Osborn, Porter street . . . . .		79 87
Cleaning streets . . . . .		9,689 40
		<hr/>
Amount carried forward . . . . .		\$44,345 45

Amount brought forward . . . . .	\$44,345 45
Maintenance of Middlesex-avenue bridge . . . . .	446 37
Removing trees . . . . .	567 95
Setting trees . . . . .	152 60
Trimming trees . . . . .	493 90
Street signs . . . . .	575 96
Blacksmithing . . . . .	1,219 25
Carpentering . . . . .	484 60
Superintendent's salary . . . . .	2,000 00
Superintendent's team (board of one horse) . . . . .	238 68
Care of subway . . . . .	168 75
Private work, the bills for which remain uncollected . . . . .	1,533 66
Sundry expenses . . . . .	2,930 54
Books, stationery, and printing . . . . .	113 75
Value of materials on hand this day . . . . .	2,519 49
Value of tools and personal property on hand this day:—	
Horses . . . . .	\$3,690 00
Carts and implements used with horses . . . . .	3,989 69
Harnesses and horse clothing . . . . .	634 50
Stable utensils and property . . . . .	160 05
Tools . . . . .	1,179 95
Steam road rollers . . . . .	4,200 00
Stone crusher and fittings . . . . .	2,497 25
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	16,351 44
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	\$74,142 39
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Balance unexpended . . . . .	\$40,402 45
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### Highways Construction Account.

#### CREDIT.

Appropriation . . . . .	\$12,000 00
Receipts and credits:—	
Highway Betterment Assessments . . . . .	\$948 99
Sale of old buildings . . . . .	40 00
	<hr/>
	988 99
	<hr/>
Total credit . . . . .	\$12,988 99
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#### DEBIT.

Expenditures:—	
For advertising laying out Columbia, Edmands, Fosket, Lowell, Mansfield, South, Sycamore, and White streets, Morrison avenue, and Windsor road . . . . .	\$99 00
Construction of streets, as appears by table A at end of this report . . . . .	11,569 81
Samuel F. Woodbridge, award for opening of Kingston street . . . . .	178 50
Recording releases . . . . .	17 95
	<hr/>
Total debit . . . . .	\$11,865 26
	<hr/>
Balance unexpended . . . . .	\$1,123 73
	<hr/> <hr/>

**Highways, Paved Gutters and Crossings.**

CREDIT.		
Appropriation . . . . .		\$12,000 00
DEBIT.		
Expenditures:—		
Ashland street, paving of gutters, south-easterly side, from Summer street to Sartwell avenue . . . . .	\$268 85	
Atherton street, northeasterly side, from Central street to Carr school lot . . . . .	105 95	
Atherton street, southwesterly side, from Central street to Beach street . . . . .	127 35	
Benton road, both sides, from Summer street to Highland avenue . . . . .	1,023 08	
Belmont street, both sides, from Somerville avenue to near Summer street . . . . .	1,252 32	
Belmont street, both sides, from Summer street to Highland avenue . . . . .	446 41	
Broadway, southwesterly side, from Bartlett street to Arlington line, and northeasterly side, from Hollis estate to Arlington line . . . . .	6,629 82	
Cameron avenue, southerly side, from Holland street to the Cambridge line . . . . .	411 72	
Eliot street, both sides, from Park street to Vine street . . . . .	232 88	
Glen street, southerly side, from Oliver street to Morton street . . . . .	298 75	
Glen street, southerly side, in front of estate of George H. Turner . . . . .	34 28	
Grove street, easterly side, from Highland school lot to Elm street . . . . .	90 88	
Harrison street, northerly side, from Kent street to Mondamin court, and southerly side, from Mondamin court to Ivaloo street . . . . .	239 23	
Harrison street, northerly side, from Mondamin court to Ivaloo street . . . . .	122 40	
Hall avenue, northeasterly side, from Elm street to Liberty avenue, and southwesterly side, from Elm street to easterly line of estate of Ida M. Wyman . . . . .	716 84	
Heath street, southwesterly side, from Temple street to estate of William B. Holmes . . . . .	437 20	
Highland avenue, southwesterly side, from Central street to Gordonia road . . . . .	1,342 71	
Jay street, northwesterly side, from Holland street to Howard street . . . . .	194 55	
Joy street, northerly side, from Washington street to Poplar street . . . . .	552 73	
Kent street, westerly side, from Somerville avenue to subway . . . . .	154 85	
Meacham street, both sides, from Dover street northerly and westerly to a point about fifty feet north of Glover circle and Lester terrace (labor) . . . . .	23 15	
Amounts carried forward . . . . .	\$14,705 95	\$12,000 00

Amounts brought forward . . . . .	\$14,705 95	\$12,000 00
Melvin street, both sides, from Broadway to Bonair street . . . . .	524 17	
Oxford street, both sides, from Central street to School street . . . . .	967 19	
Oxford street, in front of the estate of the Oxford Trust . . . . .	49 23	
Prospect street, easterly side, from land of the City of Somerville to Fitchburg Railroad . . . . .	230 15	
Sacramento street, in front of the estate of Margaret P. Thierry . . . . .	28 93	
Thurston street, easterly side, from Ever- green avenue to Medford street . . . . .	284 92	
Union street, both sides, from Mystic ave- nue to Benedict street . . . . .	51 05	
Wesley street, both sides, from Pearl street to Otis street . . . . .	489 10	
Willow avenue, both sides, from Elm street to Highland avenue . . . . .	632 85	
William street, northerly side, from the estate of C. H. Lockhart to Chapel street . . . . .	133 75	
Wyatt street (North), easterly side, from Washington street to Lincoln Park- way . . . . .	441 14	
Wyatt street (South), both sides, from Lincoln Parkway to Concord avenue . . . . .	450 95	
Street crossings . . . . .	1,313 06	
Total debit . . . . .		20,302 44
Amount overdrawn . . . . .		\$8,302 44

### Highways.—Paving Davis Square.

CREDIT.		
Appropriation . . . . .	\$8,500 00	
Receipts:—		
Highways Maintenance, paving stock . . . . .	171 90	
Total credit . . . . .		\$8,671 90
DEBIT.		
Expenditures:—		
Eastern Paving Brick Co., bricks . . . . .	\$3,800 00	
Portland Stone Ware Co., bricks . . . . .	167 50	
John Turner & Co., paving . . . . .	4,903 35	
F. C. Ayer, lumber . . . . .	3 74	
Changing line and grade of manholes . . . . .	26 71	
Inspection . . . . .	87 40	
Total debit . . . . .		8,988 70
Amount overdrawn . . . . .		\$316 80

**Highways.—Watering Streets.**

CREDIT.	
Appropriation . . . . .	\$4,000 00
Contributions from Abutters . . . . .	15,050 00
	<hr/>
	\$19,050 00
Less transfer to Sidewalks Construction Account . . . . .	4,000 00
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Total credit . . . . .	\$15,050 00

DEBIT.	
Expenditures:—	
Nathaniel C. Barker, looking after street watering . . . . .	\$620 50
Teaming . . . . .	11,307 50
J. L. & H. Potter, two new carts . . . . .	700 00
Repairing carts . . . . .	228 72
Incidentals . . . . .	87 84
New standpipes . . . . .	55 20
Maintenance and repairs of standpipes . . . . .	322 71
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Total expenditures . . . . .	13,322 47
	<hr/>
Balance unexpended . . . . .	\$1,727 53
	<hr/> <hr/>

**Highways, Shade Trees.**

CREDIT.	
Appropriation . . . . .	\$500 00
DEBIT.	
Expenditures:—	
Belmont Hill Nurseries, 109 trees . . . . .	\$109 00
Thomas W. Watson, 9 trees . . . . .	9 00
Morss & Whyte, 125 tree guards . . . . .	75 00
Labor, setting out trees . . . . .	96 00
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Total debit . . . . .	289 00
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Balance unexpended . . . . .	\$211 00
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**Highways, Boston Avenue Bridge.**

CREDIT.	
Appropriation . . . . .	\$6,500 00
DEBIT.	
Expenditures:—	
Holbrook, Cabot, & Daly, on account of contract . . . . .	\$8,484 04
Inspection . . . . .	225 00
Digging test pits . . . . .	8 75
Printing specifications . . . . .	39 00
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Amounts carried forward . . . . .	\$8,756 79
	<hr/>
	\$6,500 00

Amounts brought forward . . . . .	\$8,756 79	\$6,500 00
Printing cards . . . . .	2 25	
Advertising hearing before Harbor and Land Commissioners . . . . .	3 25	
Recording deeds . . . . .	2 65	
Car fares . . . . .	20 38	
Carriage hire . . . . .	2 50	
Photographs of bridge . . . . .	4 50	
	<hr/>	
Total debit . . . . .		8,792 32
		<hr/>
Amount overdrawn . . . . .		\$2,292 32
		<hr/> <hr/>

The profit and loss account, on city teams, tools, property, and materials is as follows:—

## CREDIT.

Carts, plows, rollers, etc. . . . .	\$39 41	
Sandstone and gravel, from Wild Cat Hill . . . . .	2,051 95	
Edgestone and paving stock . . . . .	794 32	
Sand . . . . .	186 75	
Bricks . . . . .	333 71	
Holland-street ledge . . . . .	3,286 30	
Wesley-street ledge . . . . .	159 55	
Gravel . . . . .	765 40	
City teams . . . . .	3,396 33	
	<hr/>	
Total . . . . .		\$11,013 72

## DEBIT.

Tools (depreciation) . . . . .	\$728 66	
Repairs of tools . . . . .	102 02	
Repairs of steam road rollers . . . . .	348 83	
Steam road rollers (depreciation) . . . . .	800 00	
Stone crusher and fittings . . . . .	50 00	
Crushed stone . . . . .	3,826 47	
Cement . . . . .	5 80	
	<hr/>	
Total . . . . .		5,861 78
		<hr/>
Net excess of credits over charges . . . . .		\$5,151 94
		<hr/> <hr/>

No charge for the use of the steam road rollers has been made where they have been worked during the year, except for the time of the engineers, which was at the rate of \$3 per day for each day of actual work.

On all streets where crushed stone has been placed, a charge of seventy-five cents for each single load has been made, exclusive of the teaming. Sixteen thousand seven hundred and thirty-two tons of stone have been placed on the streets.

Gravel has been charged at fifty cents for each single load, exclusive of teaming. Two thousand four hundred and thirty-four loads have been used on sidewalks and crossings, and 3,653 loads for the paving of gutters.

The crusher has been worked 274 days during the year.

The charges to the city teams are as follows:—

Horses (depreciation) . . . . .	\$830 00
Repairs of carts and implements . . . . .	1,379 14
Harnesses and horse clothing . . . . .	251 56
Repairs of harnesses and horse clothing . . . . .	263 99
Stable utensils and property . . . . .	111 08
Horseshoeing . . . . .	558 70
Horse medicine and doctoring . . . . .	127 82
Stable expenses . . . . .	2,178 63
Hay and straw . . . . .	3,422 90
Grain and feed . . . . .	2,245 95
Total . . . . .	<u>\$11,369 77</u>

There are thirty-nine horses in use in the department (including the two used by the superintendent of streets), which are valued at \$3,690.

Six horses have been purchased during the year, at a cost of \$985, four have been sold for \$175, and one has died; making an increase during the year over the year 1899 of one horse.

The horses have been credited at the rate of \$1.40 each for every day they have worked, and the amount has been charged to the work on which they have been engaged.

The cost of board for one of the horses used by the superintendent of streets, amounting to \$238.68, is not included in the statement of charges to city teams, but is stated separately in the foregoing list of expenditures from highways account.

In addition to the foregoing list of credits and expenses, work has been performed and materials furnished for other departments, and credit has been received for the same, as follows:—

Public Grounds . . . . .	\$54 51
Public Buildings Maintenance, Fire Department . . . . .	27 00
Public Buildings Maintenance, Police . . . . .	112 76
Public Buildings Maintenance, Schoolhouses . . . . .	274 36
Sewers Construction . . . . .	94 15
Sewers Maintenance . . . . .	15 60
Water Maintenance . . . . .	77 50
	<u>\$655 88</u>

### Sidewalks Construction Account.

#### CREDIT.

Appropriation . . . . .	\$18,000 00
Transfer from Highways, Watering Streets . . . . .	4,000 00
	<u>\$22,000 00</u>
Less transfer to Public Grounds, Land on Prospect Hill . . . . .	3,000 00
Total credit . . . . .	<u>\$19,000 00</u>
Amount carried forward . . . . .	\$19,000 00

Amount brought forward . . . . . \$19,000 00

DEBIT.

Expenditures.—

For advertising sidewalk hearings (sidewalks not constructed) . . . . . \$40 00  
 Abatement on sidewalk assessments on Meacham street (three estates) . . . . . 284 65  
 Forty-two sidewalks, as per table C . . . . . 35,210 53  
 Constructing sidewalks as per table D at end of this report . . . . . \$398 87  
 Less payment by abutters (exclusive of the amount paid by city for three granolithic sidewalks) . . . . . 713 17  
 Allowance on sidewalk of S. H. Abbot, Dana street, constructed in 1899 . . . . . 84 50  
 Allowance on granolithic sidewalk of S. H. Mansfield, 785 Broadway (based on cost of a brick sidewalk) . . . . . 15 80  
 Allowance on granolithic sidewalk of Joseph S. Glover, 783 Broadway (based on cost of a brick sidewalk) . . . . . 13 60  
 Allowance on granolithic sidewalk of Oxford-street Trust, Beacon and Oxford streets (based on cost of a brick sidewalk) . . . . . 101 50

\$35,936 28

Less assessments . . . . . 17,605 31

Cost to city . . . . . 18,330 97

Balance unexpended . . . . . \$669 03

**Sidewalks Maintenance Account.**

CREDIT.

Appropriation . . . . . \$5,000 00

Receipts:—

From Boston & Maine Railroad Co., replacing sidewalk on Somerville avenue, near Beacon street . . . . . 200 00

Public Buildings Maintenance, Police, edgestones for inner curbing . . . . . 97 37

Total credit . . . . . \$5,297 37

DEBIT.

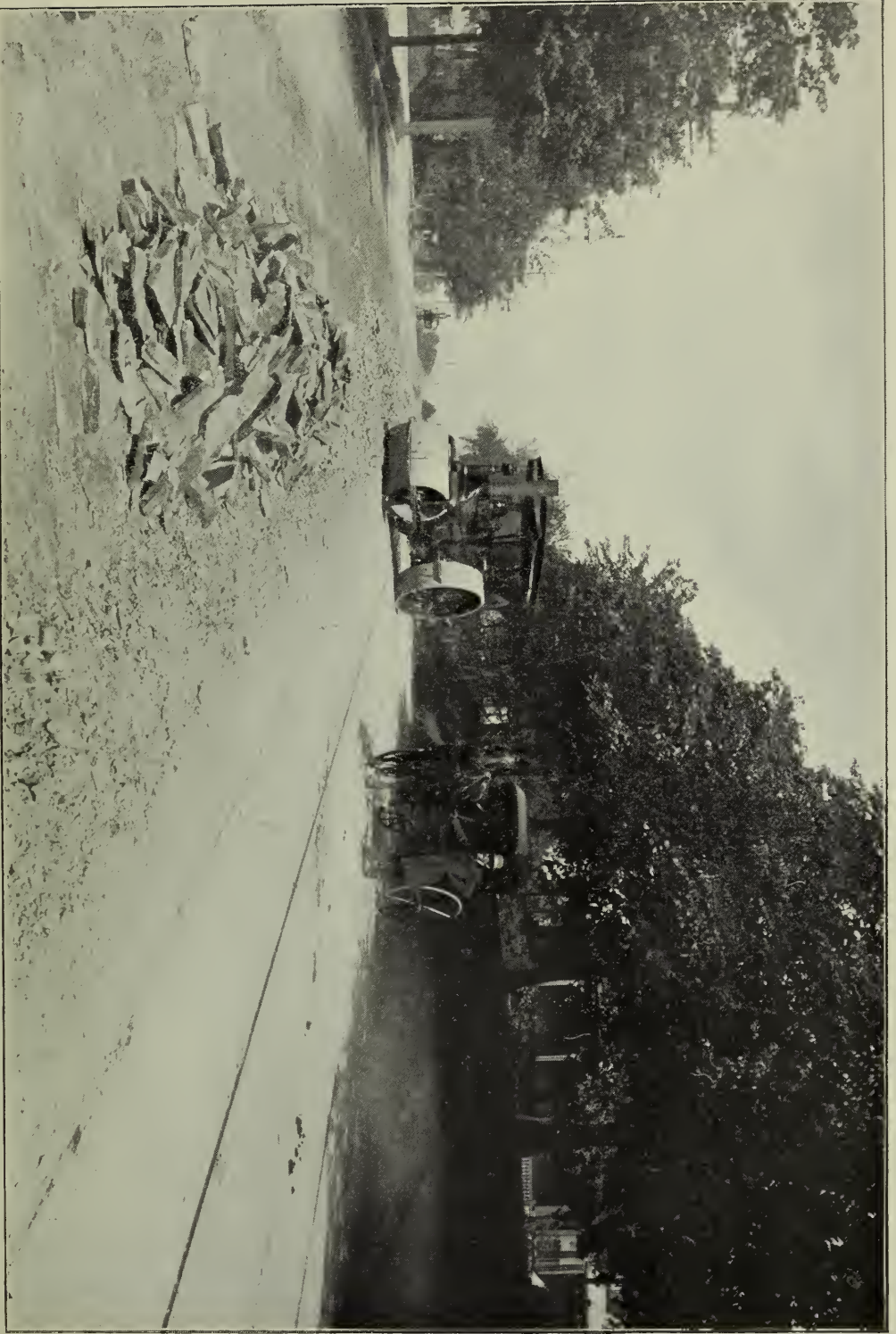
Expenditures:—

Bricks used in repairing sidewalks . . . . . \$909 58  
 Edgestones . . . . . 110 57  
 Labor and teaming . . . . . 4,801 08  
 Incidentals . . . . . 18 50

Total debit . . . . . 5,839 73

Amount overdrawn . . . . . \$542 36





BROADWAY ASPHALT PAVEMENT.



TABLE A.—Streets Constructed.

NAME OF STREET.	FROM	To	LENGTH IN FEET.	COST.
Alston street . . .	Cross street . . .	Shawmut place . . .	567	\$488 14
Bartlett street . . .	Medford street . . .	Broadway . . . . .	750	97 80
Belmont street . . .	Summer street . . .	Sonerville avenue . . .	1,250	552 48
Belmont street . . .	Summer street . . .	Highland avenue . . .	950	105 71
Benton road (partial) . . . . .	Summer street . . .	Highland avenue . . .	925	286 28
Boston avenue . . .	at . . . . .	Bridge over Mys- tic river . . . . .	60	339 60
Browning road (partial) . . . . .	Angle . . . . .	Central . . . . .	150	142 55
Broadway . . . . .	B. E. Ry. Car Stables . . . . .	Arlington line . . . . .	650	2,952 79
Cameron avenue . . .	Holland street . . .	Cambridge line . . . . .	1,000	519 63
Eliot street . . . . .	Park street . . . . .	Vine street . . . . .	260	196 39
Harrison street . . .	Ivaloo street . . . . .	Kent street . . . . .	644	281 25
Hall street . . . . .	Cedar street . . . . .	Cherry street . . . . .	350	314 75
Jay street . . . . .	Holland street . . .	Howard street . . . . .	534	30 35
Liberty avenue . . .	Broadway . . . . .	Hall avenue . . . . .	1,395	492 68
Meacham street . . .	near Glover circle . . .	Dover street . . . . .	483	824 22
Melvin street . . . .	Broadway . . . . .	Bonair street . . . . .	487	298 88
North and South Wyatt street . . . .	Washington . . . . .	Concord avenue . . . . .	925	636 03
Oxford street (completion) . . . .	Central street . . . .	School street . . . . .	1,361	328 53
Tennyson street . . .	Broadway . . . . .	Pembroke street . . . . .	1,600	42 20
Thurston street . . .	Evergreen avenue . . .	Medford street . . . . .	600	492 03
Wesley street . . . .	Pearl street . . . . .	Otis street . . . . .	515	1,305 71
Willow avenue . . . .	Elm street . . . . .	Highland avenue . . . . .	1,075	304 40
Winslow avenue . . .	Elm street . . . . .	Grove street . . . . .	500	537 41
Total length in feet and cost . . . . .			17,031	\$11,569 81

TABLE B.—Streets Repaired.

STREET.	FROM	TO	DESCRIPTION OF WORK.	FEET.	COST.
Austin street	Broadway	Mystic avenue	Macadamized	700	\$319 10
Benedict street	Union street	Austin street	Macadamized	600	182 42
Boston street	Walnut street	Greenville street	Macadamized	750	276 38
Broadway	Marshall street	Winthrop avenue	Macadamized	1,600	6,245 34
Boston avenue	Jenny Lind avenue	Arlington line	Graveled and macadamized	10,400	
	Near Bridge	Medford line		600	318 70
Concord avenue	Concord square	Prospect street	Macadamized	1,500	261 92
College avenue	Broadway	Medford line	Graveled	1,000	568 90
Dartmouth street	Evergreen avenue	Medford street	Macadamized	700	94 38
Gilman square	R. R. bridge, Medford st.	School street	Re-graded and macadamized	420	346 00
Harrison street	Ivaloo street	Kent street	Macadamized	650	177 48
Highland avenue	Medford street	Walnut street	Macadamized	200	156 93
Highland avenue	Cedar street	Cherry street	Macadamized	500	147 85
Ivaloo street	Beacon street	Park street	Macadamized	650	505 34
Joseph street	Newton street	Parkway	Macadamized	375	55 11
Kent street	Beacon street	Subway	Graveled	400	46 73
Medford street	Highland avenue	Railroad bridge	Macadamized	1,100	1,347 64
Medford street	Magoun square	Trull street	Macadamized	625	73 82
Mystic avenue	Medford line	to coal sheds	Macadamized	1,100	135 09
Prospect street	Webster avenue	Cambridge line	Macadamized	950	795 07
Somerville avenue	Medford street	Fitchburg R. R.	Macadamized	1,000	1,262 54
School street	Highland avenue	Medford street	Macadamized	800	456 25
Summer street	Willow avenue	Cedar street	Macadamized	1,400	369 55
Union street	Broadway	Mystic avenue	Macadamized	375	185 63
Walnut street	Highland avenue	Medford street	Macadamized	200	128 25
Washington street	Charlestown line	Florence street	Macadamized	600	128 41
Wheatland street	Broadway	Jaques street	Macadamized	500	261 00
Length in feet and cost				30,295	\$14,845 83

TABLE C.

Sidewalks Constructed where the Materials and Labor 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.
Albion . . .	Southwesterly . . .	Cedar street . . .	Lowell street . . .	. . . . .	917	\$862 30
Ames . . .	Northerly . . .	Robinson street . . .	Bartlett street . . .	. . . . .	327.6	339 00
Ashland . . .	Southeasterly . . .	Summer street . . .	Sartwell avenue . . .	481	. . . . .	363 41
Atherton . . .	Northeasterly . . .	Central street . . .	Beech street . . .	257.7	184.4	322 86
Atherton . . .	Southwesterly . . .	Central street . . .	Beech street . . .	279.4	182.3	354 67
Beacon and Sacramento	Northerly . . .	In front of estate of	Margaret Thierry . . .	59.7	101.6	137 75
Belmont . . .	Both . . .	Highland avenue . . .	Estate Howard & James	839.7	. . . . .	598 57
Belmont . . .	Both . . .	Somerville avenue . . .	Estate of Hills & Cotton	1,742.8	. . . . .	1,210 13
Benton road . . .	Both . . .	Summer street . . .	Highland avenue . . .	1,718.2	. . . . .	1,164 11
Bradley . . .	Southeasterly . . .	Veazie street . . .	Walter street . . .	. . . . .	214.8	177 35
Broadway . . .	Southerly . . .	Billingham street . . .	Elm street . . .	470.4	. . . . .	380 11
Broadway . . .	Both . . .	Top of Winter Hill . . .	Arlington line . . .	15,535.3	. . . . .	11,908 91
Cameron avenue . . .	Southeasterly . . .	Holland street . . .	Cambridge line . . .	1,055.4	. . . . .	709 56
Dell . . .	Northerly . . .	Glen street . . .	Tufts street . . .	. . . . .	329.3	259 30
Eliot . . .	Both . . .	Park street . . .	Vine street . . .	609	. . . . .	420 92
Glen . . .	Southeasterly . . .	Oliver street . . .	Estate of Waugh . . .	381	. . . . .	257 54
Glen . . .	Southeasterly . . .	Est. City of Somerville	Morton street . . .	102 2	. . . . .	76 49
Glen . . .	Southeasterly . . .	Tufts street . . .	Estate of Hall . . .	91.2	. . . . .	66 41
Grove . . .	Southeasterly . . .	Highland avenue . . .	Boston & Lowell R. R.	. . . . .	78.5	96 78
Grove . . .	Southeasterly . . .	Elm street . . .	Highland School lot . . .	242	170 5	285 18
Hall avenue . . .	Southwesterly and	Elm street . . .	Liberty avenue . . .	. . . . .	. . . . .	. . . . .
Harrison . . .	Northwesterly . . .	Elm street . . .	Ely line est. of Wyman	1,366.7	. . . . .	920 61
Harrison . . .	Northeasterly . . .	Mondamin court . . .	Ivaloo street . . .	321.5	. . . . .	198 29
Harrison . . .	Northeasterly and	Kent street . . .	Mondamin court . . .	. . . . .	. . . . .	. . . . .
Heath . . .	Southwesterly . . .	Mondamin court . . .	Ivaloo street . . .	697.4	. . . . .	488 16
Highland avenue . . .	Southwesterly . . .	Temple street . . .	Estate of Holmes . . .	532.6	. . . . .	383 10
Jay . . .	Southwesterly . . .	Central street . . .	Gordonia road . . .	2,462.1	. . . . .	1,861 72
Jay . . .	Northwesterly . . .	Holland street . . .	Howard street . . .	564.5	. . . . .	387 09
			Carried forward . . .	29,809.8	2,506.0	\$24,230 32

TABLE C.—Concluded.

STREET.	SIDE.	FROM	TO	FEET OF EDGESTONES.	YARDS OF BRICKS.	COST.
Joy . . . . .	Northeasterly	Washington street	Brought forward . . . . .	29,809.8	2,506.0	\$24,230.32
Kent . . . . .	Northwesterly	Somerville avenue	Poplar street . . . . .	1,137.8	....	783.74
Meacham (extension)	Both . . . . .	Dover street . . . . .	Subway . . . . .	242.2	....	186.22
Melvin . . . . .	Both . . . . .	Broadway . . . . .	Meacham street . . . . .	966.6	....	678.61
Oxford . . . . .	Both . . . . .	School street . . . . .	Bonair street . . . . .	960.4	....	730.48
Oxford . . . . .	Easterly . . . . .	Beacon street . . . . .	Central street . . . . .	2,384.2	....	1,630.25
Prospect . . . . .	Southeasterly	Est. City of Somerville	Cambridge line . . . . .	93.6	....	70.48
School . . . . .	Southeasterly	Summer street . . . . .	Estate of Babcock . . . . .	392.9	....	266.94
School . . . . .	Southeasterly	Highland avenue . . . . .	Highland avenue . . . . .	....	705.2	678.65
Thurston . . . . .	Northwesterly	Highland avenue . . . . .	Madison street . . . . .	....	230.5	193.20
Walnut . . . . .	Southeasterly	Evergreen avenue . . . . .	Medford street . . . . .	612.2	527.6	925.22
Wesley . . . . .	Northwesterly	Broadway . . . . .	Sargent avenue . . . . .	....	224.3	188.85
William . . . . .	Both . . . . .	Pearl street . . . . .	Otis street . . . . .	1,064	....	754.55
Willow avenue . . . . .	Northeasterly	Estate of Lockhart . . . . .	Chandler street . . . . .	257.1	....	187.34
	Both (where not already set)	Elm street . . . . .	Highland avenue . . . . .	1,121.7	1,67.2	2,243.43
Wyatt (South) . . . . .	Westerly . . . . .	Lincoln Park . . . . .	Wyatt place . . . . .	....	150	....
	Both . . . . .	Lincoln Park . . . . .	Concord avenue . . . . .	969.9	....	862.51
Wyatt (North) . . . . .	Easterly . . . . .	Washington street . . . . .	Lincoln Park . . . . .	....	....	....
	Westerly . . . . .	Washington street . . . . .	Estate of Morrow . . . . .	862.5	....	599.74
				40,874.9	5,950.8	\$35,210.53

Length of Edgestone and Brick Sidewalk in Each Ward.

	EDGESTONE.	BRICK.
Ward One . . . . .	14.424 miles.	11.208 miles.
Ward Two . . . . .	8.737 "	3.642 "
Ward Three . . . . .	12.331 "	11.125 "
Ward Four . . . . .	11.483 "	7.749 "
Carried forward	46.975	33.724
Brought forward . . . . .	46.975 miles.	33.724 miles.
Ward Five . . . . .	11.556 "	8.820 "
Ward Six . . . . .	14.343 "	6.398 "
Ward Seven . . . . .	13,196 "	6.103 "
Total . . . . .	86,070	55,045



WIDE TIRES.



WIDE TIRES.





TABLE D.

Sidewalks Constructed Where the Bricks Were Furnished or Paid for by the Abutters.

For	Street.	Yards of Bricks.	Cost to City.
Hannah I. Buss . . .	32 Winslow avenue . . .	31.5	\$8 90
Augustus B. Byam . . .	Melvin street . . .	26.4	4 25
Nathan J. Davis . . .	Melvin street . . .	26.4	4 00
Elmer E. Drew . . .	1214 Broadway . . .	62.3	7 00
Charles S. Day . . .	Melvin street . . .	61.3	14 25
Arthur B. Grover . . .	24 Prospect Hill avenue . . .	59.	17 15
Joseph S. Glover . . .	783 Broadway . . .	*27.2	13 60
Vianna M. Hanson . . .	Melvin street . . .	26.5	4 00
Helen M. Mayo . . .	Melvin street . . .	57.6	13 65
Orlin W. Marsh . . .	Melvin street . . .	26.	4 25
John McCarty . . .	25 and 27 Shawmut street . . .	55.4	18 25
T. J. McCarthy . . .	42 Columbus avenue . . .	23.6	5 75
Wilbur F. Mansfield . . .	785 Broadway . . .	*31.6	15 80
Lizzie M. Owen . . .	Melvin street . . .	25.	4 00
Anna M. Oman . . .	Melvin street . . .	26.4	4 25
Oxford Trust . . .	Beacon and Oxford streets . . .	*203.	101 50
Wilbur P. Rice . . .	Willow avenue . . .	23.	6 50
Sarah J. Richardson . . .	Melvin street . . .	26.4	4 00
James W. Rich . . .	206 Highland avenue . . .	59.6	18 55
Annie Stanley . . .	Highland ave., cor. Cutter ave. . .	139.5	....
Annie Stanley . . .	Elm street, cor. Cherry street . . .	113.5	....
Fannie E. Sprague . . .	Melvin street . . .	26	4 00
Clara Viveiros . . .	Melvin street . . .	26.4	4 25
William E. Wentworth . . .	Melvin street . . .	56.4	9 65
Isabel M. Wing . . .	Melvin street . . .	57.6	9 65
J. K. Warren . . .	44 Columbus avenue . . .	22.	5 50
George W. Welsh . . .	10 Prospect Hill avenue . . .	44.	13 90
		†1,101.8	\$316 60
		*261.8	

\*Granolithic. †Bricks.

TABLE E.  
Paving of Gutters in Connection with Setting of Edgestones.

Name of Street.	Side.	From	To	Square yards.	Cost.
Atherton street	Northeasterly	Central street	Carr school	86	\$105 95
Atherton street	Southerly	Central street	Bea h street	93	127 35
Ashland street	Southeasterly	Summer street	Sartwell avenue	160	268 85
Benton road	Both	Summer street	Highland avenue	573	1,023 08
Belmont street	Both	Somerville avenue	Edgestones already laid	581	1,252 32
Belmont street	Both	Estate of James and Estate of Howard	Highland avenue	280	446 41
Broadway	Southerly	Elm street	Billingham street	157	228 05
Broadway	Both	Bartlett street	Alewife brook		
		Hollis Estate	Alewife brook	3,866	6,401 77
Cameron avenue	Southerly	Holland street	Cambridge line	352	411 72
Eliot street	Both	Park street	Vine street	203	232 88
Glen street	Southeasterly	Oliver street	In front of city lot	127	260 40
Glen street	Southeasterly	In front of estate of Geo.	H. Turner	30	34 28
Glen street	Southeasterly	City lot	Morton street	34	38 35
Grove street	Easterly	School lot	Elm street	81	90 88
Hall avenue	Easterly	Elm street	Liberty avenue		
	Northerly	Elm street	Ely line est. of Wyman	455	716 84
Harrison street	Northerly	Kent street	Mondamin court		
	Southerly	Mondamin court	Ivaloo street	232	239 23
Harrison street	Northerly	Mondamin court	Ivaloo street	107	122 40
Heath street	Southwesterly	Temple street	Estate of W. B. Holmes	177	437 20
Highland avenue	Southwesterly	Central street	Gordonia road	821	1,342 71
Jay street	Northwesterly	Holland street	Howard street	188	194 55
Joy street	Northerly	Washington street	Poplar street	379	552 73
			Carried forward	8,982	\$14,527 95

TABLE E.—Concluded.

Name of Street.	Side.	From	To	Square Yards.	Cost.
Kent street . . . . .	Westerly . . . . .	Somerville avenue . . . . .	Brought forward	8,982	\$14,527 95
Melvin street . . . . .	Both . . . . .	Broadway . . . . .	Subway . . . . .	81	154 85
Meacham street . . . . .	Both . . . . .	Meacham extension . . . . .	Bonair street . . . . .	320	524 17
North Wyatt street . . . . .	Easterly . . . . .	Washington street . . . . .	Dover street (labor) . . . . .	23	15
Oxford street . . . . .	Both . . . . .	Central street . . . . .	Lincoln parkway . . . . .	287	441 14
Oxford street . . . . .	Both . . . . .	In front of the estate of the Oxford Trust . . . . .	School street . . . . .	795	907 19
Prospect street . . . . .	Easterly . . . . .	Land of City of Somerville Fitchburg R. R. . . . .	In front of the Oxford Trust Fitchburg R. R. . . . .	31	49 23
Sacramento street . . . . .	Both . . . . .	In front of the estate of Lincoln Park . . . . .	Margaret P. Thierry Concord avenue . . . . .	131	230 15
South Wyatt street . . . . .	Both . . . . .	Evergreen avenue . . . . .	Medford street . . . . .	20	28 93
Thurston street . . . . .	Easterly . . . . .	Mystic avenue . . . . .	Benedict street (labor) . . . . .	323	450 95
Union street . . . . .	Both . . . . .	Pearl street . . . . .	Otis street . . . . .	204	284 92
Wesley street . . . . .	Both . . . . .	Estate of C. H. Lockhart Elm street . . . . .	Chapel street . . . . .	260	51 05
William street . . . . .	Northerly . . . . .		Highland avenue . . . . .	355	489 10
Willow avenue . . . . .	Both . . . . .			86	133 75
				374	632 85
				12,240	\$18,980 38

TABLE F.

## Driveways Constructed at Expense of Abutters.

FOR.	
Benjamin F. Brown . . . .	. . . . 31 Tennyson street.
Charles A. Grimmons . . . .	. . . . 72 Thurston street.
Dr. A. S. Hill . . . . .	. . . . 22 Grandview avenue.
Lord Brothers . . . . .	. . . . Putnam street.
Isaac Nesson . . . . .	. . . . 304 Broadway.
North Packing and Provision Co.	. . . . Somerville avenue.
Samuel Rines . . . . .	. . . . Marshall street, near Broadway.
Trustees of Tufts College . . . .	. . . . Broadway.
Henry M. Taylor . . . . .	. . . . 353-A. Medford street.
Lillian M. Tibbets (discontinuing driveway) . . . .	. . . . 77 Morrison street.

TABLE G.—Street Crossings Laid.

## GRANITE FLAGGING.

Broadway, southwesterly side, across Walnut street.  
 College avenue, northwesterly side, across William street.  
 Elm street, northeasterly side, across Willow avenue.  
 Elm street, across same, in line with the southeasterly side of Willow avenue.  
 Medford street, across same, in line with the southeasterly side of Partridge avenue.  
 William street, northeasterly side, across Billingham street.  
 Richdale avenue, across same, in line with the northwesterly side of Thurston street.  
 Washington street, across same, in line with the southeasterly side of Dane street.

## VITRIFIED BRICK.

Beacon street, westerly side, across Oxford street.  
 Broadway, across same, in line with the southeasterly side of Central street.  
 Broadway, across same, in line with the southeasterly side of Thurston street.  
 Broadway, across same, in line with the southeasterly side of Adams street.  
 Pearl street, across same, in line with the southeasterly side of Wesley street.  
 Perkins street, across same, in line with the northwesterly side of Pinckney street.  
 Summer street, southwesterly side, across Willow avenue.  
 Willow avenue, northwesterly side, across Summer street.

**Table H.—Streets Accepted in 1900.**

	WARD.	FROM	To	WIDTH. FEET.	LENGTH. FEET.
Columbia st. .	2	Webster ave.	Cambridge line	40	816
Edmands st. .	4	Broadway	Bonair st.	40	376
Fosket st. . .	7	Liberty ave.	Willow ave.	40	668
Hall st. . . .	6	Cherry st.	Cedar st.	30	450
Lowell st. . .	6	Somerville ave.	Summer st.	36	1,259
Mansfield st. .	2	Washington st.	Somerville ave.	40	735
Meacham st. .	7	Meacham st.	Dover st.	40	402
Morrison ave. .	6	Cedar st.	Willow ave.	50	1,366
South st. . . .	2	Medford st.	Water st.	30	989
Sycamore st. .	5	B. & L. R. R.	Medford st.	40	582
*White st. . .	6	Elm st.	Cambridge line		307
Windsor road .	6	Willow ave.	Gordonia road	40	575

\* All of the street that is in Somerville; being a strip on the southeasterly side about five feet wide.

**Length of Accepted Streets in Each Ward.**

	Miles.
Ward 1 . . . . .	8.50
" 2 . . . . .	6.98
" 3 . . . . .	6.10
" 4 . . . . .	7.87
" 5 . . . . .	9.91
" 6 . . . . .	9.96
" 7 . . . . .	12.42
Total . . . . .	61.74

Respectfully submitted,

JOHN P. PRICHARD, Street Commissioner.

## REPORT OF COMMISSIONER OF PUBLIC BUILDINGS.

OFFICE OF COMMISSIONER OF PUBLIC BUILDINGS, }  
CITY HALL, SOMERVILLE, }  
January 1, 1901. }

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 1900.

During the past year, which was the first under the new city charter, the building ordinances have been changed in a few instances, and it is expected that the changes which have been made will tend to improve the construction of buildings in our city.

It is the intention of this department to so enforce the building ordinances that our buildings will be at least as well constructed as those in any city in the commonwealth. Since May 1, 1900, at which time the assistant commissioner began his duties, the department has been better equipped to perform this work than ever before. Considering the changes in the mode of construction of buildings continually taking place, and the large area necessary to cover to properly inspect, the work of this department has grown very materially. The builders, as a rule, have complied with the requests of this department when made, and although violations have been found, they have occurred principally through ignorance of the law, rather than through a desire to violate intentionally. The department is endeavoring more especially to elevate the standard of the masonry work in the buildings constructed, and it is expected that by continual supervision this will be accomplished.

### Inspection of Buildings.

There have been issued, during the year 1900, 339 permits for new buildings and alterations. This number is twenty less than the number issued in 1899.

The total estimated cost of new buildings and alterations in 1900 was \$823,330, while the same in 1899 was \$805,317, showing an increase of \$18,013.

During the year 1900 there have been made 1,248 inspections of private buildings. These have included the inspections of fire stopping, chimneys, buildings to be moved, woodwork too near

flues, building in dangerous condition, buildings condemned and ordered torn down, buildings constructed without permission, and poor foundations.

The following is a table showing the number of permits granted 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 . . . . .	5	10	8	11	26	120	40	220
Dwellings and Stores . . . . .	0	5	0	0	1	2	0	8
Stables . . . . .	0	0	1	0	4	0	1	6
Miscellaneous . . . . .	14	18	17	4	15	12	22	102
Brick Buildings . . . . .	1	0	0	1	1	0	0	3
	20	33	26	16	47	134	63	339

**Inspection of Plumbing.**

The number of plumbing permits issued during the year was . . . . . 417  
 Permits for plumbing in new buildings . . . . . 193  
 Permits for plumbing in old buildings . . . . . 221  
 Number of buildings in which pipes were tested with water . . . . . 348

The inspector has kept himself informed of the condition of the work as the buildings have progressed, and as necessity has required has given directions how the work should be done.

The following is the number of licenses and renewals of licenses issued during the year, under the acts of 1893 and 1894, and the receipts for the same paid to the city treasurer:—

Number of master plumbers' licenses issued, 4 . . . . .	\$8 00
Number of journeyman plumbers' licenses issued, 5 . . . . .	2 50
Number of master plumbers' licenses renewed, 21 . . . . .	10 50
Number of journeyman plumbers' licenses renewed, 21 . . . . .	10 50
	\$31 50

One application for a journeyman plumber's license was rejected.

**The Charles G. Pope School Building.**

In compliance with an order adopted June 7, 1900, by the Board of Aldermen, appropriating \$2,000 for alterations in this building, this department prepared drawings showing an entirely new system of sanitarines. Seven plumbers were invited to submit estimates, and in response six estimates were received and opened in the Mayor's office, as follows:—

James F. Davlin . . . . .	\$1,737 00
John H. Adcock . . . . .	1,624 00
Thomas F. Martin . . . . .	1,506 00
J. A. Durell . . . . .	1,505 00
Armstrong Brothers . . . . .	1,465 00
Henry W. Covell . . . . .	1,350 00

Henry W. Covell, of Perkins street, East Somerville, being the lowest bidder, was awarded the contract and proceeded to install the new system July 10, 1900. This work consisted of removing the then existing vaults and urinals, and installing a modern system of plumbing. Eleven closets were put into the girls' toilet room and six into the boys', as well as the slate urinals. All of these fixtures were thoroughly ventilated according to the most approved methods, and up to the present time the new work has given entire satisfaction.

The remodeling of this work made possible certain improvements in the ventilation of some of the classrooms. Under the old system certain of the ventilating flues were rearranged and temporary means of ventilation adopted, which, although fairly satisfactory, were not all that could be desired. The changes, made possible by the tearing out of the old vaults, have provided a system of ventilation which is proving entirely satisfactory. The payments to the plumbing contractor, together with the cost of general repairs, in connection with same, made necessary a total expenditure of \$1,898.39. The wisdom of these changes is already apparent, and the marked improvement fully justifies the outlay.

### The Oren S. Knapp School Building.

An order was adopted June 7, 1900, by the Board of Aldermen, making an appropriation of \$8,000 for changes in the heating, ventilating, and plumbing systems in this building. Plans and specifications were prepared in this department, showing the required changes, and estimates were received as follows:—

#### PLUMBING.

John H. Adcock . . . . .	\$1,479 80
Thomas F. Martin . . . . .	1,450 00
H. W. Covell . . . . .	1,425 00
Armstrong Brothers . . . . .	1,359 00

#### HEATING AND VENTILATING.

Huey Brothers . . . . .	\$5,872 00
Braman, Dow, & Co. . . . .	5,493 00
Walworth Construction and Supply Co. . . . .	5,235 00
A. B. Franklin . . . . .	5,200 00
Alexander Duncan & Co. . . . .	5,123 00
Cleghorn & Co. . . . .	5,100 00
A. A. Sanborn & Co. . . . .	4,989 00
Ingalls & Kendricken . . . . .	4,983 00
Isaac Coffin & Co. . . . .	4,715 00



Armstrong Brothers, being the lowest bidders on the plumbing work, were awarded the contract, and Isaac Coffin & Co., being the lowest bidders on the heating and ventilating work, were awarded the contract on the latter.

The changes in this building consisted of removing the old system of sanitariums, as well as the furnace system, and replacing the same with a modern system of plumbing, and heating and ventilation. This work was largely in the basement of the building, and an entire rearrangement of the same was effected. A new toilet room for girls was built in the westerly room of the basement, and a toilet room for boys in the easterly room. Eleven closets were installed in the girls' room, and six closets and slate urinals in the boys'. These fixtures were of the most approved manufacture, and were installed with a view to obtaining the most satisfactory results as regards ventilation and flushing.

The old system of furnace heat was entirely removed, and a battery of two forty-two inches by fifteen feet tubular boilers installed, with the usual necessary connections. These boilers were set in brick, and fitted with Sheffield shaking grates, pop safety valves, damper regulators, and blow-off tanks. New fresh air chambers were constructed, into which the fresh air is brought from the outside and caused to pass through steam radiators of the American Radiator Company's "Excelsior" pattern, and by means of galvanized ducts distributed into the different rooms. By this means a continual change of air is effected in the classrooms, in accordance with the requirements of the state board of police regulations. The vitiated air is taken from the classrooms through registers at the floor level, and carried through ducts to the attic, and then assembled into larger ducts which lead to the outside air. These ducts contain steam heater coils which effect a continual outward draft. This battery of boilers was also connected with the system in the annex, and the plant of the main building may be used to heat both buildings when the weather is mild. The changes in this building, as described, together with necessary general repairs, were accomplished at a total cost of \$7,971.48. Judging from frequent inspections and the reports from the school authorities, the systems are working well and indicate that the expenditure was a wise one.

#### **Edgerly School Building.**

During the summer vacation of 1900 important changes were made in the heating and ventilation of this school building. Several methods had been previously adopted to improve the ventilation of the rooms, but until this last change was made the results were not entirely satisfactory. The ducts which are used for removing the vitiated air from the rooms were provided with steam-heated coils, and the same connected with the heater sys-

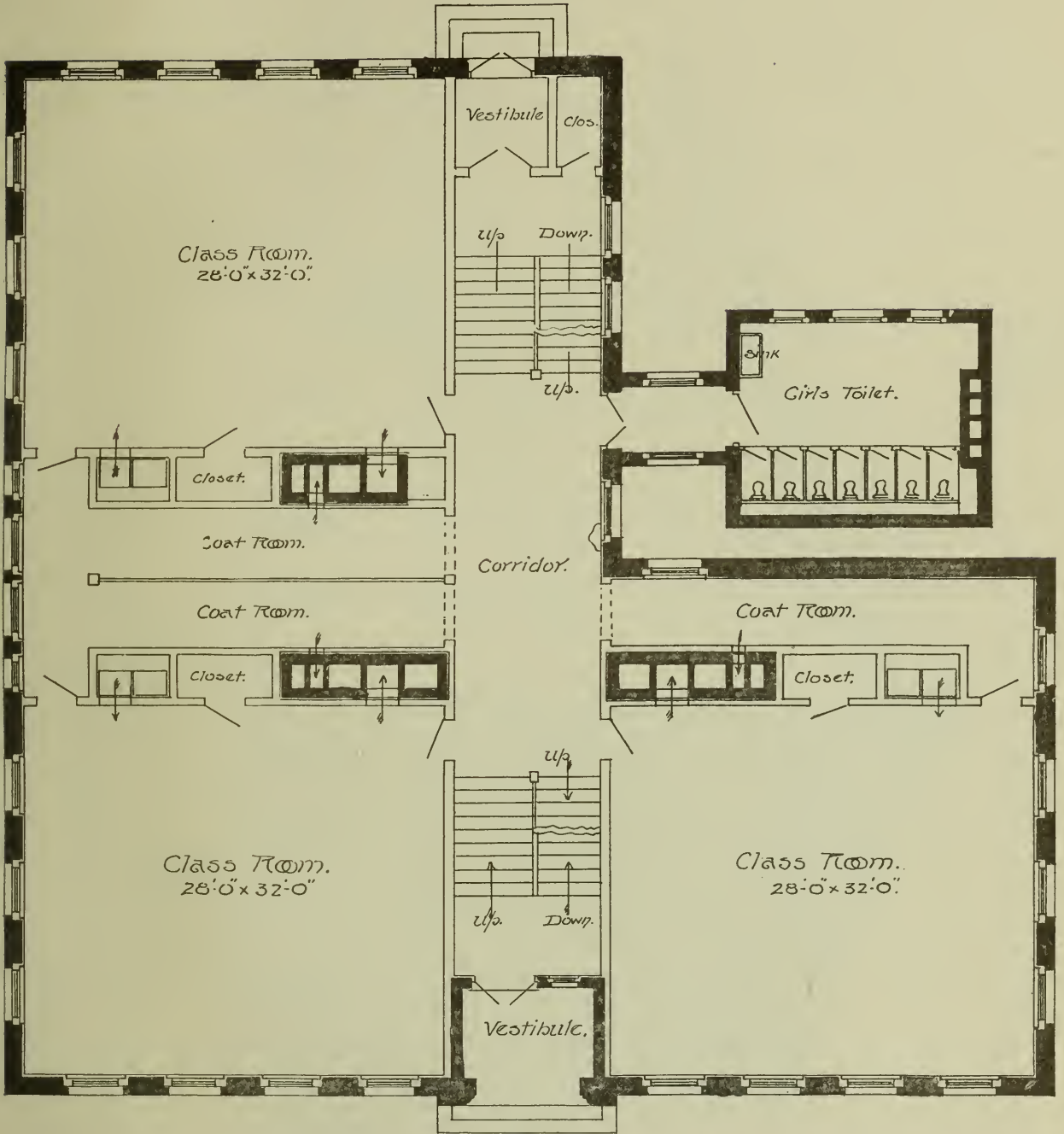
tem, thus insuring an outward draft at all times, and making a very satisfactory system of ventilation. This change was made in the rooms of one-half of the building only, and having proved satisfactory, it is the intention of this department to extend the same arrangement into the other half of the building, which, when completed, will supply the needs of this building as regards ventilation.

#### **Forster School Building.**

It became necessary last year to make some provision in the rooms on the easterly corner of this building for increased lighting space. This lack of light was caused by the building of the new annex, which is located on this side of the main building, and diminished in some measure the previous supply of light. This improvement was accomplished by cutting in each room an additional window, which has improved the situation very materially. These rooms are lighter now and more cheerful for the occupants, and the small outlay has made a deserved improvement. The usual repairs were made on this building during the summer vacation.

#### **Forster School Annex.**

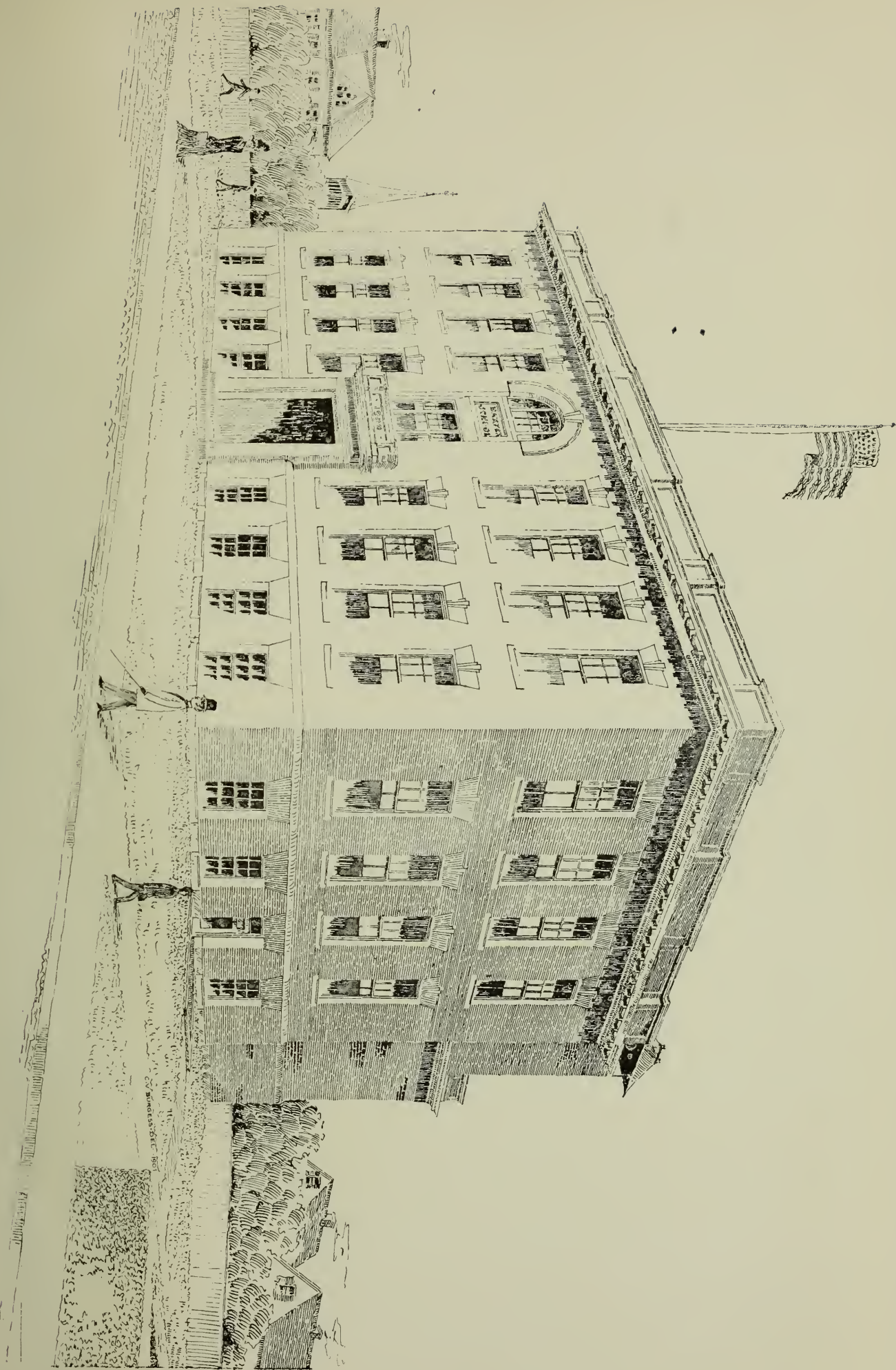
The Forster school annex was completed early in the year and was first occupied in February. The city has in this building one of the best in design and appointments. There are six class rooms, each with a capacity of fifty pupils, furnished with adjustable school furniture, and containing all the modern conveniences required in a school classroom. There are conveniently located and spacious toilet accommodations for both boys and girls, designed with special reference to the best sanitary improvements of the day. The coatrooms are well arranged, both as regards location and fittings. The heating and ventilating system is the gravity system, and the plant consists of two tubular boilers set in the most improved manner, and fitted with the usual and necessary safety devices and improvements. In the basement of the building two rooms are finished, one of which was intended for the use of the manual training class, and the other for the cooking class. These rooms have not been furnished for the uses intended when the building was designed, and it is probable that they will be used for classrooms to provide for the crowded condition of this school plant. This building has up to this time proved to be a well-built and carefully-designed structure, and has filled a much-desired requirement in this school district. The Forster annex was designed by the firm of Prescott & Sidebottom, of Boston.



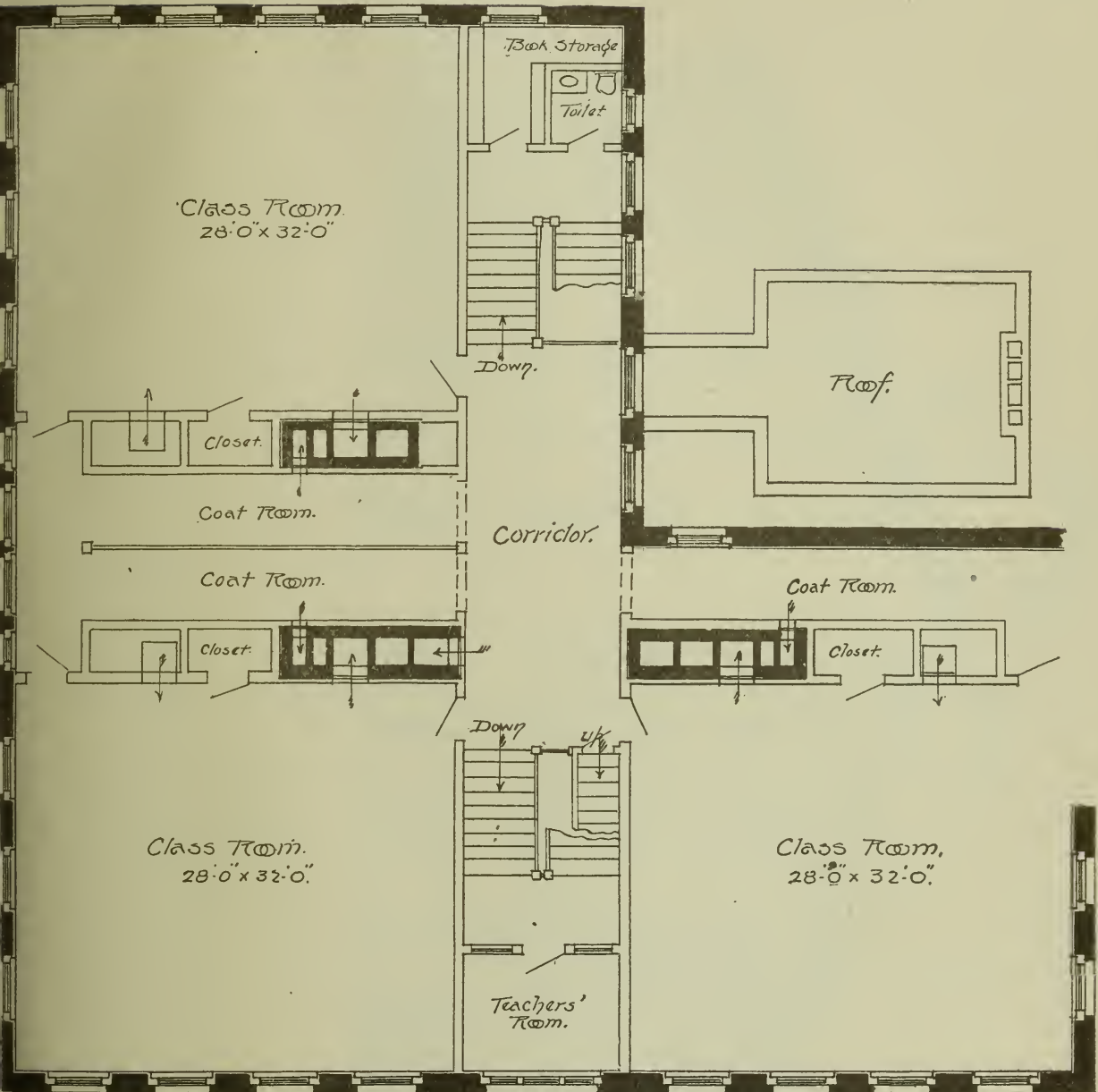
GEORGE L. BAXTER SCHOOL FIRST FLOOR PLAN.



GEORGE L. BAXTER SCHOOL.





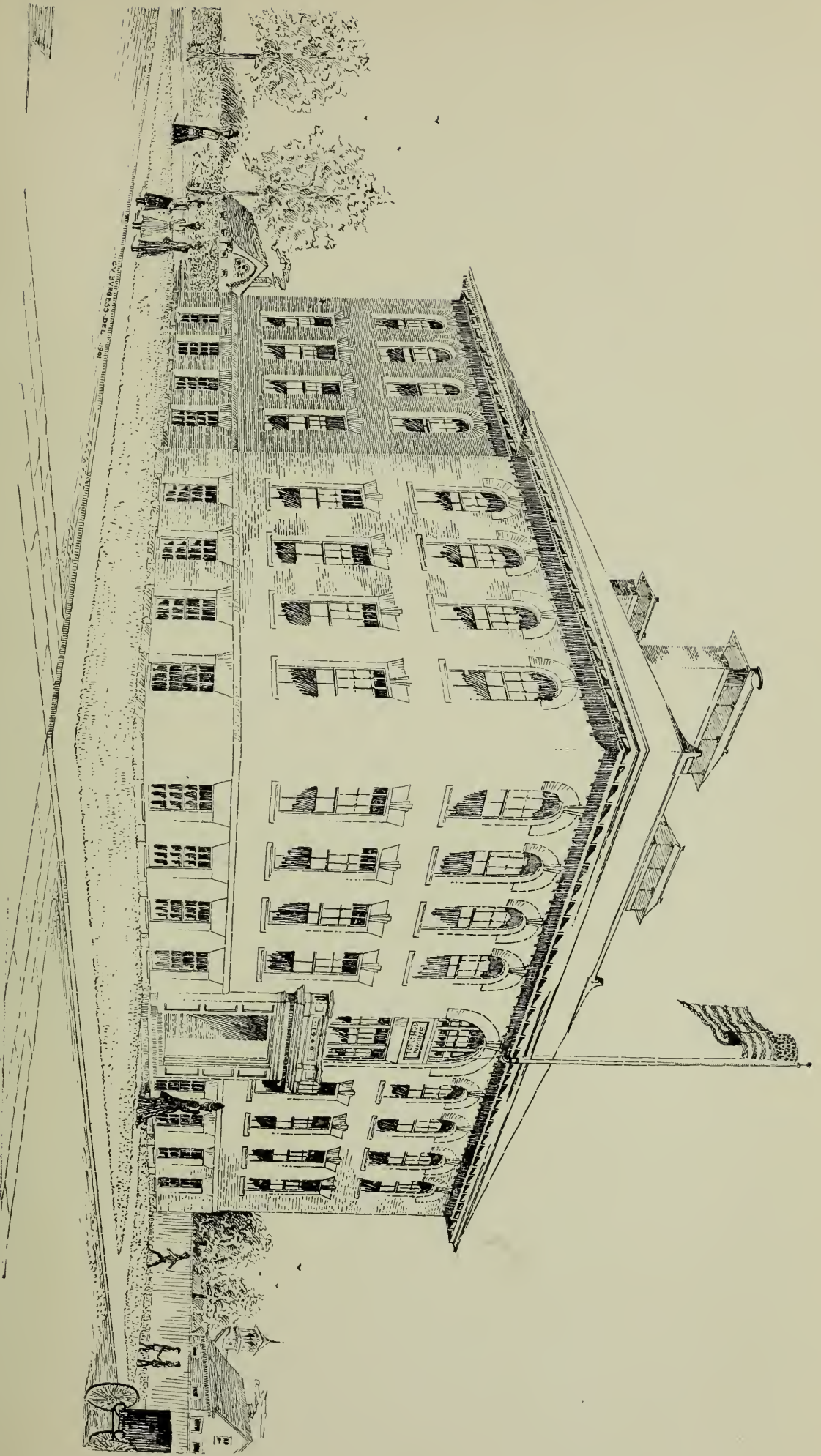


GEORGE L. BAXTER SCHOOL SECOND FLOOR PLAN.





BENJAMIN G. BROWN SCHOOL.





**Davis School Building.**

Several changes were made in this building during the summer vacation which have supplied much needed wants. A new toilet room was built for the use of the teachers on the second floor. This room was fitted with toilet fixtures of a modern make, and has proved a great convenience. A new storage room was fitted up on the second floor, which gives increased space for school supplies. The ordinary small repairs were made to this building.

**Buildings of Highway Department.**

In addition to the usual repairs to the buildings occupied by this department, a new wagon shed was constructed for the storage of the different wagons and carts of the department. The total cost of this shed was \$475.

**George L. Baxter and Benjamin G. Brown Schools.**

In accordance with an order passed by the Board of Aldermen, His Honor, the Mayor, requested this department to prepare drawings and specifications for two six-room school buildings, one to be located on Bolton street, in Ward 2, and the other on Willow avenue, in Ward 6. In compliance with this request, drawings and specifications were prepared and submitted to the Board of Aldermen through His Honor, the Mayor, at which time they were approved. Appropriations for the construction of these two buildings were previously made, the appropriation for the George L. Baxter school being \$40,000, and for the Benjamin G. Brown school, \$45,000.

**GEORGE L. BAXTER SCHOOL.**

Invitations were sent to several contractors to submit estimates on the George L. Baxter school, and in reply to same estimates were received as follows:—

**GENERAL CONTRACT.**

John A. Dodge . . . . .	\$26,629 00
Orne & Lawrence . . . . .	25,525 00
Webb Granolithic and Construction Co.	25,000 00
Starbird & Johnson . . . . .	24,914 00
H. P. Cummings & Co. . . . .	24,631 00
Lord Brothers . . . . .	24,302 00
Alfred H. Hines . . . . .	24,081 00
Mack & Moore . . . . .	23,999 00
F. G. Coburn & Co. . . . .	23,825 00
W. L. Clark & Co. . . . .	22,200 00
Arthur W. Berry . . . . .	21,200 00

## PLUMBING.

Thomas F. Martin . . . . .	\$1,990 00
Armstrong Brothers . . . . .	1,797 00
J. A. Durell . . . . .	1,538 35
H. W. Covell . . . . .	1,510 00

## HEAT AND VENTILATION.

Walworth Construction and Supply Co. . . . .	\$3,770 00
A. B. Franklin . . . . .	3,725 00
Braman, Dow, & Co. . . . .	3,690 00
Cleghorn & Co. . . . .	3,590 00
Ingalls & Kendricken . . . . .	3,545 00
A. A. Sanborn & Co. . . . .	3,385 00
Alexander Duncan & Co. . . . .	3,234 00
Isaac Coffin & Co. . . . .	3,133 00
Huey Brothers . . . . .	3,077 00

The lowest bidders, Arthur W. Berry, H. W. Covell, and Huey Brothers, were awarded the contracts, and have carried out the work with careful diligence, have cheerfully complied with the requests of this department, and although the building is not yet entirely completed, it is far enough advanced to warrant a description at this time.

There are in this building six classrooms, each with a seating capacity of fifty pupils. Each classroom has a book and storage closet, is fitted with slate blackboards, and all the conveniences needed in a modern school building. The coatrooms lead directly from the corridors and each has its outlet into the classrooms. These coatrooms are fitted with coat and hat hooks and rubber racks. A comfortable room is provided for the use of the teachers between school sessions, and will be furnished for their comfort and convenience. In the basement there are two play rooms, a ward room, the boiler room, and the usual basement and storage space.

Special attention has been given to the arrangement of the sanitary requirements of the building. The toilet rooms are in a separate building, which is connected with the main building by a corridor, which can be opened to the air, and thus keep the sanitary part entirely independent of the school building. The boys' toilet room is on the same level as the basement, and the girls' on the same level as the first floor.

The heating and ventilating is by the gravity system, and the plant consists of two forty-two inches by sixteen feet tubular boilers, fitted with the modern appliances to regulate drafts, insure safety, and facilitate firing. The warm air is taken into the rooms through openings eight feet from the floor, and the vitiated air removed through openings at the level of the floor. The coatrooms, teachers' room, and toilet rooms are heated by direct radiation.

**BENJAMIN G. BROWN SCHOOL.**

Estimates for the construction of the Benjamin G. Brown school were received from contractors as follows:—

**GENERAL CONTRACT.**

Alfred H. Hines . . . . .	\$26,587 00
J. S. Jacobs & Son . . . . .	26,520 00
Orne & Lawrence . . . . .	25,652 00
Starbird & Johnson . . . . .	25,579 00
G. M. Davis & Son . . . . .	25,225 00
W. L. Clark & Co. . . . .	24,900 00
E. E. Strout . . . . .	24,840 00
Lord Brothers . . . . .	23,997 00

**PLUMBING.**

W. F. Bennett . . . . .	\$2,135 00
J. E. Parsons . . . . .	2,064 00
C. W. Cahalan . . . . .	1,889 00
Thomas F. Martin . . . . .	1,820 00
H. W. Covell . . . . .	1,818 00
Armstrong Brothers . . . . .	1,791 00

**HEAT AND VENTILATION.**

A. B. Franklin . . . . .	\$3,285 00
A. A. Sanborn & Co. . . . .	3,240 00
Bradley & Chatman . . . . .	3,200 00
Cleghorn & Co. . . . .	3,131 00
Huey Brothers . . . . .	2,957 00
Isaac Coffin & Co. . . . .	2,936 00
Alexander Duncan & Co. . . . .	2,873 00

The lowest bidder in each instance was awarded the contract, the general contractors being Lord Brothers, the plumbing contractors Armstrong Brothers, and the heating and ventilating contractors Alexander Duncan & Co. The work on this building has progressed rapidly, and it will be ready for occupancy about May 1, 1901. The description already made of the George L. Baxter school applies as well to this building. The same floor plan was used for both buildings, the only difference in design being the slated hip roof, which is built instead of the flat tar and gravel roof.

The designs were made and all the working drawings prepared in the office of the building department, and in consequence the construction has been carefully supervised in every particular.

**Public Library Building.**

Early in the year the addition to this building was made ready for occupancy. The new rooms were provided with the necessary furnishings, and have provided the much needed additional space for the convenience of the patrons of the library. A large room was furnished in the basement for a children's reading room. The main reading room on the first floor was increased

in size, and the additional rooms on the second floor are furnished for the use of art exhibits, etc. The additional stack room is still unfurnished, but it is expected that steps will be taken to furnish the necessary stacks, etc., during the coming year. When it is considered that our library is the second in New England in the number of books distributed, the importance of the additional room furnished for the use of the library management and the storage of books is realized. The design and construction of this addition is thoroughly satisfactory, and will supply the needs of the library for a considerable length of time. The architects of the addition were Loring & Phipps, of Boston, who were also the architects of the original building.

### **House of Ladder Company No. 2.**

Extensive alterations were made on the second floor of this building during the year. The recreation room, which was formerly located in the centre of the building, was divided by plastered partitions into five new rooms for the use of the permanent men of the company. The space used for the dormitory in the front of the building was remodeled for the use of the men as a recreation room. The rearrangement of this floor made it possible for the men of the company to have individual sleeping rooms, a requirement which is important in the construction of a fire station where a permanent company resides. In December of this year a new company was installed in this house, also the newly appointed assistant chief. It is probable that more changes will be asked for this year in the arrangement of this building on the ground floor and basement. Several improvements have been considered, and when made, the house of Ladder Company No. 2 and Hose Company No. 7 will be as well equipped as any in the city.

### **Schoolhouses—Care and Repair.**

The cost of care and repair of the buildings must necessarily be increased on account of the yearly addition of new buildings. One of the most important duties of this department is that relating to the care of these buildings and to their proper sanitary condition. With the continual advancement of modern improvements in schoolhouse sanitation and arrangements, it is necessary to introduce these improvements as fast as possible in the older buildings. This demand makes a liberal expenditure of money necessary, but when we consider that our city is to-day providing school accommodations for ten thousand pupils, the importance of such changes becomes apparent. The study of heating and ventilation in schoolhouse construction is of vast importance, and is being given careful thought and study in this department. During the past year the changes made in the various school buildings have been, except as specially men-

tioned in this report, in the nature of general repairs, in order to keep the buildings in a healthy, comfortable, and attractive condition.

**Consumption of Fuel.**

Amount of coal consumed in various public buildings:—

SCHOOLHOUSES.										Tons.
Bell	.	.	.	.	.	.	.	.	.	175
Bennett	.	.	.	.	.	.	.	.	.	26
Bingham	.	.	.	.	.	.	.	.	.	75
Burns	.	.	.	.	.	.	.	.	.	110
Carr	.	.	.	.	.	.	.	.	.	203
Cummings	.	.	.	.	.	.	.	.	.	30
Davis	.	.	.	.	.	.	.	.	.	39
Durell	.	.	.	.	.	.	.	.	.	50
Edgerly	.	.	.	.	.	.	.	.	.	125
Forster	.	.	.	.	.	.	.	.	.	195
Glines	.	.	.	.	.	.	.	.	.	185
Hanscom	.	.	.	.	.	.	.	.	.	75
High	.	.	.	.	.	.	.	.	.	285
Highland	.	.	.	.	.	.	.	.	.	172
Hodgkins	.	.	.	.	.	.	.	.	.	192
Jackson	.	.	.	.	.	.	.	.	.	31
Knapp	.	.	.	.	.	.	.	.	.	145
Lincoln	.	.	.	.	.	.	.	.	.	49
Morse	.	.	.	.	.	.	.	.	.	130
Perry	.	.	.	.	.	.	.	.	.	105
Pope	.	.	.	.	.	.	.	.	.	151
Prescott	.	.	.	.	.	.	.	.	.	167
Prospect Hill	.	.	.	.	.	.	.	.	.	40
										2,755

**FIRE BUILDINGS.**

										Tons.
Central Station	.	.	.	.	.	.	.	.	.	96
Steamer 2	.	.	.	.	.	.	.	.	.	48
Steamer 4	.	.	.	.	.	.	.	.	.	40
Hose 2	.	.	.	.	.	.	.	.	.	20
Hose 3 and Ladder 1	.	.	.	.	.	.	.	.	.	30
Hose 5	.	.	.	.	.	.	.	.	.	31
Hose 6	.	.	.	.	.	.	.	.	.	42
Ladder 2	.	.	.	.	.	.	.	.	.	25
										332

**MISCELLANEOUS.**

										Tons.
City Hall	.	.	.	.	.	.	.	.	.	92
City Hall Annex	.	.	.	.	.	.	.	.	.	25
Public Library	.	.	.	.	.	.	.	.	.	125
Police Buildings	.	.	.	.	.	.	.	.	.	109
City Home	.	.	.	.	.	.	.	.	.	56

### Cost of Maintenance.

The cost of maintenance of the several public buildings is shown in the following tables:—

#### SCHOOLHOUSES.

SCHOOLS.	JANITOR.	FUEL.	LIGHT.	REPAIRS.	TOTALS.
Bell . . . . .	\$1,050 25	\$733 89	\$166 77	\$1,730 73	\$3,681 64
Bennett . . . . .	165 00	136 42	. . . . .	75 51	376 93
Bingham . . . . .	566 64	304 54	. . . . .	230 79	1,101 97
Burns . . . . .	667 50	380 41	9 20	1,115 66	2,172 77
Carr . . . . .	1,200 00	731 69	16 30	498 12	2,446 11
Cummings . . . . .	330 00	129 89	. . . . .	272 34	732 23
Davis . . . . .	335 00	174 63	11 00	581 38	1,102 01
Durell . . . . .	637 64	217 86	. . . . .	345 56	1,201 06
Edgerly . . . . .	830 00	462 71	26 62	414 58	1,733 91
Forster . . . . .	1,634 93	827 98	98 89	1,744 43	4,306 23
Glines . . . . .	950 00	775 25	13 09	633 56	2,371 90
Hanscom . . . . .	491 25	336 66	88	58 67	887 46
English High . . . . .	1,203 23	. . . . .	331 40	589 18	2,123 81
Latin High . . . . .	2,330 00	895 63	110 53	1,203 13	4,539 29
Highland . . . . .	883 75	715 73	41 00	533 67	2,174 15
Hodgkins . . . . .	898 93	776 30	9 80	808 64	2,493 67
Jackson . . . . .	174 00	151 42	. . . . .	167 72	493 14
Knapp . . . . .	916 01	546 47	46 50	972 57	2,481 55
Lincoln . . . . .	495 00	185 09	. . . . .	363 01	1,043 10
Morse . . . . .	830 00	534 99	10 60	592 80	1,968 39
Perry . . . . .	600 00	338 96	9 56	234 57	1,183 09
Pope . . . . .	830 00	649 69	5 50	424 80	1,909 99
Prescott . . . . .	917 23	566 91	56 98	519 41	2,060 53
Prospect Hill . . . . .	455 00	175 65	. . . . .	131 49	762 14
Totals . . . . .	\$19,391 36	\$10,748 77	\$964 62	\$14,242 32	\$45,347 07
Repair shop . . . . .	. . . . .	. . . . .	. . . . .	. . . . .	102 70
School supplies . . . . .	. . . . .	. . . . .	. . . . .	. . . . .	1,416 81
Sundry expenses . . . . .	. . . . .	. . . . .	. . . . .	. . . . .	283 70
Total maintenance of schoolhouses . . . . .	. . . . .	. . . . .	. . . . .	. . . . .	\$47,150 28



**FIRE BUILDINGS.**

BUILDINGS.	FUEL.	LIGHT.	REPAIRS.	SUPPLIES.	TOTALS.
Central Station . . .	\$454 46	\$281 40	\$487 16	\$42 67	\$1,265 69
Steamer 2 . . . . .	164 93	186 04	366 65	5 59	723 21
Steamer 4 . . . . .	175 11	91 53	147 71	4 55	418 90
Hose 2 . . . . .	58 46	44 83	54 50	. . .	157 79
Hose 3 and Ladder 1 .	160 38	101 19	114 49	6 18	382 24
Hose 5 . . . . .	105 03	58 44	246 97	1 40	411 84
Hose 6 . . . . .	221 25	103 47	163 56	6 25	
Ladder 2 . . . . .	107 95	40 87	840 42	12 75	1,001 99
Totals . . . . .	\$1,447 57	\$907 77	\$2,421 46	\$79 39	\$4,856 19

**MISCELLANEOUS.**

BUILDINGS.	JANITOR.	FUEL.	LIGHT.	REPAIRS.	SUPPLIES.	TOTALS.
City Hall . . . . .	\$1,640 37	\$369 83	\$903 36	\$2,776 47	\$106 42	\$5,806 45
City Hall Annex . . .	420 00	86 45	43 51	246 51	10 55	807 12
Public Library . . . .	884 73	503 65	1,075 06	1,199 78	10 12	3,673 34
Police . . . . .	1,031 98	476 40	469 60	1,382 57	77 82	3,438 37
Support of Poor . . . .	. . . . .	264 00	162 65	443 06	3 40	873 11
Health Dept. . . . .	. . . . .	39 19	48 63	76 74	. . .	164 56
Highway Dept. . . . .	. . . . .	8 40	78 19	1,131 04	. . .	1,217 63
Sewer Dept. . . . .	. . . . .	14 19	. . .	53 64	. . .	67 83
Water Dept . . . . .	. . . . .	. . .	96 47	2 58	. . .	99 05

Respectfully submitted,

F. C. FULLER,

Commissioner of Public Buildings.

# REPORT OF COMMISSIONER OF ELECTRIC LINES AND LIGHTS.

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OFFICE OF COMMISSIONER OF ELECTRIC LINES AND LIGHTS, }  
January 22, 1901. }

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

Gentlemen,—I herewith submit my fifth annual report, for the year ending December 31, 1900:—

The various electrical appliances in the schools and other city buildings, such as lights, bells, and telephones, and all the fire alarm and police signal systems, are under the care of this department, which also has supervision of the poles, wires, and lights in the streets and other public places.

## Electric Lines.

The fire alarm service is one of the most important branches of the Electrical department, being the right arm of the fire department, as alarms given correctly bring a quick response by the firemen. During the year the system has been kept in perfect working order by the usual careful attention it receives.

Eight new fire alarm boxes have been provided during the year, making the present number ninety-four. The apparatus of the fire alarm system consists of the following: Ninety-four fire alarm boxes, eight tower strikers and bells, twenty-eight gongs, eight indicators, nineteen tappers, five relays, 376 cells storage battery, thirty-four open circuit bells, 260 cells open circuit battery, and 115 miles of wire.

More fire alarm boxes are needed in the western part of the city, which has been built up rapidly in the last few years.

It is very desirable that the city's wires should be buried as soon as possible. As the wires of the electric light company, which are of high tension, increase in number, the repairing of the wires of the city is attended with considerable danger, and if by any accident, such as is liable to occur in stormy weather, wires are crossed, a fire alarm circuit may be burnt out, and the city's protection be reduced to that extent until the damage can be repaired.

I would also recommend keyless doors for the fire alarm boxes, as the value of the few we have in service has been demonstrated by a decrease in the number of false alarms. These doors are fitted with a large gong, which is rung whenever the handle

which opens the door is turned, thus attracting attention to the box.

The City Home on Broadway has been connected by special wire with Hose & Fire Station, and by this means immediate notice can be given in case of fire.

Seventeen and one-half miles of new wire have been run, and eight and one-half miles of old wire taken down.

The customary care has been taken of the police signal system, which is in good condition. It now comprises forty-eight boxes, of which three have been provided during the past year.

The usual attention has been given to the bells, etc., in public schools, and all needed repairs have been made.

During the year ninety-eight buildings have been inspected for light and power service, and 245 visits made to the same.

### Street Lighting.

Twenty-eight arc and forty incandescent street lights have been erected during the past year.

There are now in our streets and public grounds 405 arc and 279 incandescent electric lights, besides 121 Welsbachs. Seventy-two of the Welsbach lights burn gas, and forty-nine are supplied with naphtha.

Under the contract recently made with the Somerville Electric Light Company, the open arc lamps are to be superseded by enclosed arcs. Better results are expected in both the power and the quality of the light and in freedom from the unsteady burning experienced with the lamps now used.

The additional lights placed in service during the year are located as follows:—

#### ARC.

Alston street, near Prospect Hill station, B. & L. railroad.

Beech street, opposite Harvard street.

Bow street and Warren avenue.

Broadway, opposite Albion street.

Broadway and Bartlett street.

Broadway and Central street.

Broadway and Hathorn street.

College avenue and Chapel street.

Curtis street, at Powder-house boulevard.

Cutter avenue, corner Dresden circle.

Dartmouth street, 400 feet north of Medford street.

Elm street and Davis square.

Josephine avenue.

Lincoln park (2).

Medford street, 110 feet west of Thurston street.

Mount Vernon and Wheeler streets.

Myrtle street, near Pearl street.

Mystic avenue, near Boston line.

Pearl and Pinckney streets.

Pearl and Rush streets.

Playground, Somerville avenue and Kent street.

Summer and Lowell streets.  
 Union square, west of Stone avenue.  
 Washington and Boston streets.  
 Washington street, 200 feet east of Leland street.  
 Webster and Glen streets.  
 Windsor street and Gordonia road.

#### INCANDESCENT.

Alpine street, 200 feet west of Lowell street.  
 Auburn avenue.  
 Bedford street, 100 feet east of South street.  
 Belmont street, opposite Pitman street.  
 Boston street, 365 feet west of Greenville street.  
 Caldwell place.  
 Chester street and Chester place.  
 Cook street.  
 Elmwood street, 600 feet south of Holland street.  
 Fairlee street.  
 Fountain avenue, 175 feet west of Glen street.  
 Henry avenue, 150 feet north of Highland avenue.  
 Kent street, between Fitchburg railroad and Beacon street.  
 Kent street, between Fitchburg railroad and Somerville ave.  
 Linden avenue, 400 feet south of Summer street.  
 Lowell and Alpine streets.  
 Lowell and Princeton streets.  
 Morrison place.  
 Mount Vernon street, 300 feet south of Pearl street.  
 Nashua and Downer streets.  
 Nashua and Norton streets.  
 Orchard and Milton streets.  
 Oxford street, near School street.  
 Oxford street, opposite No. 98.  
 Partridge avenue.  
 Preston street.  
 School and Preston streets.  
 Skehan and Dane streets.  
 South street, between Bedford and Medford streets.  
 South and Rideout streets.  
 Stanford terrace.  
 Sycamore and Jerome streets.  
 Tenney court.  
 Union street, opposite Benedict street.  
 Wallace street.  
 Walnut and Walter streets.  
 Waterhouse street (2).  
 Willow avenue and Windsor road.  
 Willow avenue, between Summer and Elm streets.

#### Expenses.

The following statements show the financial record of the department for the year 1900:—

#### ELECTRICAL DEPARTMENT.

	CREDIT.	
Appropriation . . . . .		\$7,000 00
Transfer from Interest Account . . . . .		500 00
		<hr/>
Amount carried forward . . . . .		\$7,500 00

Amount brought forward . . . . .		\$7,500 00
Receipts:—		
From West End Street Railway Co. . . . .	\$130 00	
Sale of old junk . . . . .	10 10	
		<u>140 10</u>
Total credit . . . . .		<u>\$7,640 10</u>

DEBIT.

Expenditures:—		
For labor on wires, etc. . . . .		\$4,467 50
Fire alarm boxes (8) . . . . .		950 00
Police patrol boxes (3) . . . . .		375 00
Keyless doors for fire alarm boxes (5) . . . . .		105 00
Wires, insulators, etc. . . . .		1,188 92
One new wagon . . . . .		135 00
Repairing wagon . . . . .		2 25
Repairing harnesses . . . . .		56 25
Board of two horses . . . . .		312 00
Printing and postage . . . . .		23 00
		<u>Total debit . . . . . \$7,614 92</u>
Balance unexpended . . . . .		<u>\$25 18</u>

STREET LIGHTS.

CREDIT.

Appropriation . . . . .		<u>\$53,991 52</u>
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DEBIT.

Expenditures:—		
Somerville Electric Light Co., lighting . . . . .		\$49,973 78
Somerville Electric Light Co., moving lamp . . . . .		63 00
Somerville Electric Light Co., moving poles . . . . .		5 00
Welsbach Street Lighting Co. of America, lighting . . . . .		3,594 76
Use of wagonette, twice . . . . .		30 00
Incidentals . . . . .		57 95
		<u>Total debit . . . . . \$53,724 49</u>
Balance unexpended . . . . .		<u>\$267 03</u>

Respectfully submitted,

EDWARD BACKUS,

Commissioner of Electric Lines and Lights.

## **SOMERVILLE WATER WORKS.**

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**SOMERVILLE, MIDDLESEX CO., MASSACHUSETTS.**

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Area of city, including land and water, about 4.22 square miles.

Population, 1900 (census), 61,643.

Entire population on line of pipe and supplied with water.

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Water works owned by City of Somerville.

Construction commenced in 1868.

Source of supply : Metropolitan system, taking water of the  
Nashua river at Clinton, Mass.

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### **Mayor**

HON. EDWARD GLINES.

### **Water Commissioner**

FRANK E. MERRILL.

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### **Office of the Water Department,**

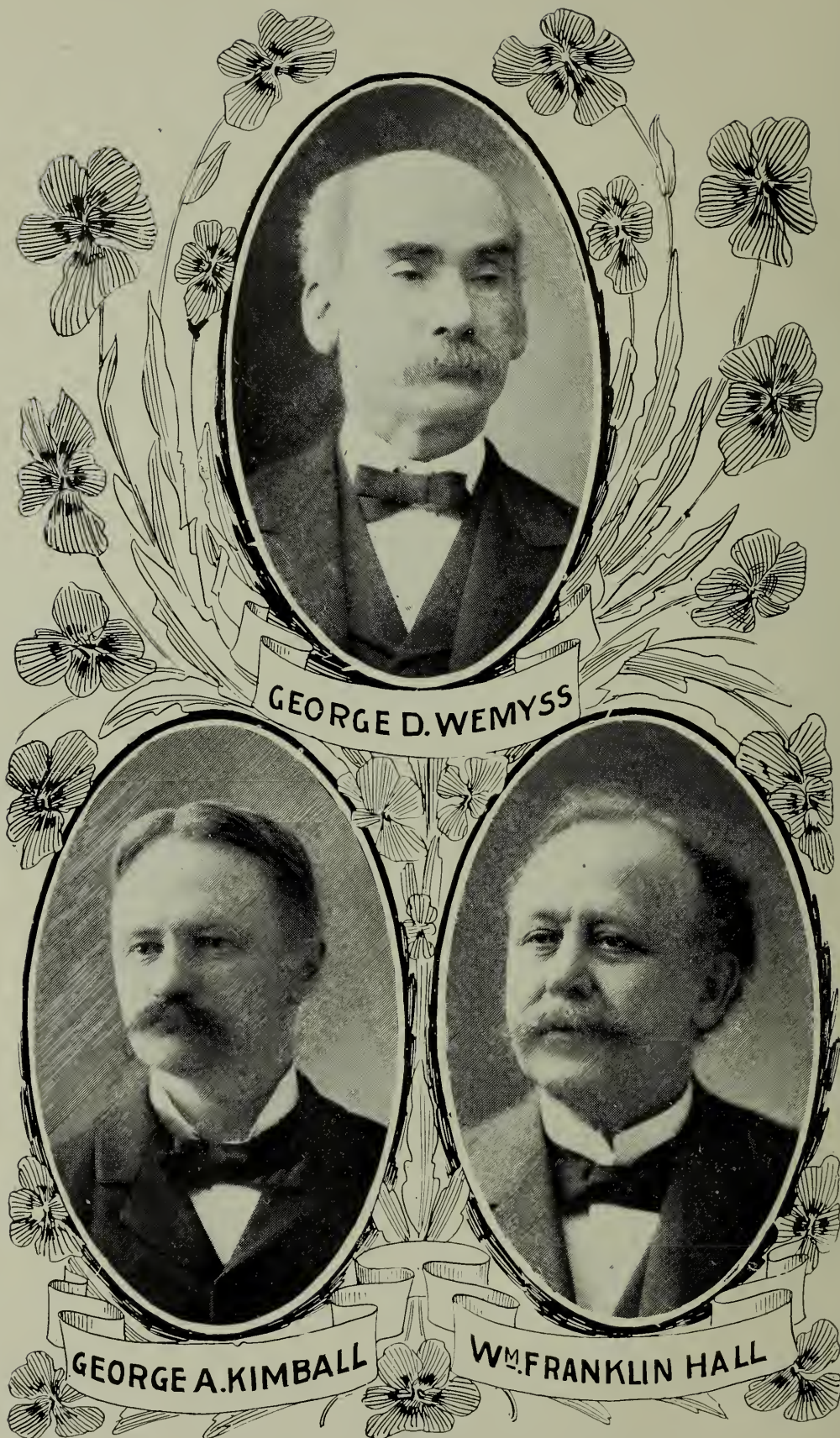
Room 10, City Hall.

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### **Department Buildings and Yard,**

Cedar street, near Broadway.





GEORGE D. WEMYSS

GEORGE A. KIMBALL

WM. FRANKLIN HALL

THE LAST WATER BOARD OF THE CITY OF SOMERVILLE.



## REPORT OF THE WATER COMMISSIONER.

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OFFICE OF THE WATER COMMISSIONER, }  
January 5, 1901. }

To His Honor, the Mayor, and the Board of Aldermen:—

I have the honor to present herewith the twenty-seventh annual report of the water department, and my first as Water Commissioner, covering the operations of the year ending December 31, 1900.

That portion of the new city charter relating to the water works is as follows: Section 41, Article 5: "The Water Department. This department shall be under the control of the Water Commissioner, who shall have charge of the construction, extension, alteration, repair, care, and management of the water works, and shall exercise all the powers and rights conferred and perform all the duties imposed by law upon the present Board of Water Commissioners of the City of Somerville, but shall not expend in any year, either from the income received from the water works under his charge or otherwise, more than the amount appropriated by the Board of Aldermen therefor."

Under the above quoted provisions of the city charter, the entire management of the water works was transferred on the 25th day of January to a single Water Commissioner, appointed by the Mayor and confirmed by the Board of Aldermen, who, by virtue of his office, also became a member of the Board of Public Works.

With the spirit of progress and improvement which is so characteristic of the present day, it may, at times, be deemed advisable to break away from old-established customs and methods of municipal administration for the purpose of reconstruction on more modern lines, but in the passing of the old and the advent of new conditions it seems always fitting that faithful and conscientious public service should be given recognition, especially when, as in the Board of Water Commissioners, the service is rendered without compensation. It is with a feeling of the propriety of things, as well as of pleasure, that the present Water Commissioner, who served his apprenticeship as clerk and superintendent under this last Board during its entire existence, can here record his tribute to the spirit of harmony and municipal patriotism which invariably characterized the meetings and actions of the Board.

George D. Wemyss, the president of the Board, was appointed March 11, 1891, and thus served the city on this Board for nearly nine years. Mr. Wemyss had previously represented his ward in the Common Council in the years 1886 and 1887, and

in the Board of Aldermen in 1888 and 1889, making thirteen years of nearly continuous public service. Mr. Wemyss was also a member of the new city charter commission.

George A. Kimball was also appointed March 11, 1891, with a previous service in the Board of Aldermen during the years 1889 and 1890, thus contributing eleven years of gratuitous service to the city. Mr. Kimball had also filled the position of City Engineer from 1876 to 1887.

William Franklin Hall was appointed February 8, 1893, and gave seven years of valuable service to the city on this Board. Mr. Hall was a member of the city charter commission, and has devoted his time liberally to other public matters.

It is highly gratifying to the Water Commissioner to be able to state that notwithstanding the new conditions which have presented themselves under the operations of the revised charter, the work of the department in all its details, has been carried on without friction, and that the high state of efficiency of the department existing under the former regime has been maintained.

#### Administration.

The system of administration is conducted along simple lines and remains practically the same as heretofore.

The duties of the Water Commissioner require an intimate knowledge of every detail of the work of his department; his responsibilities extend over the superintendence of the shop and street work, including the construction and renewal of street water mains, laying and maintenance of house service connections, installation and care of water meters, setting and inspection of fire hydrants, care of drinking fountains and troughs, and the construction and maintenance of all other fixtures connected with the water works.

He also has direct charge and control of the clerical and accounting system of the department, including the billing of over 10,000 water consumers' accounts, as well as the enforcement of the necessary processes leading up to the final payments of the water bills. The clerical work of the department also covers the recording of all labor performed, supplies furnished, and all other bookkeeping incidental to the expenditure of the appropriation accounts.

Closely allied to the above, and also under the charge of the Water Commissioner, is the inspection service of the department, including the leak and waste detection.

The permanent force necessary to accomplish the work thus briefly outlined consists of seventeen persons, as follows:—

Inspector	.	.	.	.	.	.	1
Office assistants	.	.	.	.	.	.	2
Maintenance force	.	.	.	.	.	.	14

Three of the above are veterans of the Civil war; one other has been connected with the works for thirty-eight years, having been employed in the construction of the old Mystic works; another has been employed on the works for over thirty years.

While the water bills are being made out and recorded the office force is temporarily increased by the addition of one or two assistants, and during the season of pipe laying the working force is increased by the employment of seventy-five to 100 temporary laborers, as needed.

The maximum laboring force during the year 1900 was in the month of June, and numbered 101 men.

**Water Income.**

Water bills have been issued as follows:—

10,155 "Annual" water bills, amounting to . . . . .	\$160,049 69
1,754 "Additional" water bills, amounting to . . . . .	9,840 70
675 "Metered" water bills, amounting to . . . . .	48,204 61

\$218,095 00

Abatements made on above charges for water charged to city departments and for other purposes . . . . .	7,493 55
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Leaving net amount of bills rendered . . . . .	\$210,601 45
In addition to this, the account has credit for . . . . .	12,766 42

This amount is produced as follows:—

Uncollected "Metered" water bills, due January 1, 1900 . . . . .	\$12,157 69
Uncollected "Annual" water bills . . . . .	46 00

\$12,203 69

Less abatements made on above charges:—

On "Metered" water bills . . . . .	\$43 57
On "Annual" water bills . . . . .	9 00
	<u>52 57</u>

\$12,151 12

Amount collected in the year 1900:—

"Metered" water charges . . . . .	\$12,114 12
"Annual" water charges . . . . .	11 00

Amount uncollected December 31, 1900:—

"Annual" water charges . . . . .	26 00
	<u>\$12,151 12</u>

Amounts carried forward . . . . .	<u>\$12,151 12</u>	<u>\$223,367 57</u>
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Amounts brought forward . . . . .	\$12,151 12	\$223,367 57
Unexpended balance of appropriation for abatements . . . . .	569 58	
Received from the Commonwealth of Massachusetts the difference between an amount due Somerville as its proportion for the sale of water by the Metropolitan Water Board in 1899 (\$95.80), and an amount overpaid to Somerville on its proportion of receipts of the Metropolitan Water Board from various sources in 1898 (\$50.38) . . . . .	45 42	
	<u>\$12,766 12</u>	
		<u>\$223,367 57</u>

This amount was appropriated and applied under provisions of the appropriation order of the Board of Aldermen as follows:—

For water works purposes:—

Appropriation for Maintenance . . . . .	\$45,000 00	
Appropriation for Water Works Extension . . . . .	22,000 00	
Appropriation for Abatements . . . . .	1,000 00	
Interest on Water Loan Bonds . . . . .	9,502 50	
Maturing Water Loan Bonds . . . . .	32,500 00	
Metropolitan Water Works Assessment . . . . .	28,689 24	
	<u>\$138,691 74</u>	

For other municipal purposes:—

Appropriation for Sewers, Maintenance . . . . .	\$9,000 00	
Appropriation for Sewers, Construction . . . . .	24,125 12	
Interest on Sewer Loan Bonds . . . . .	6,240 00	
Maturing Sewer Loan Bonds . . . . .	8,000 00	
Sewers Construction, Uncollected bills of 1899 . . . . .	26 00	
	<u>47,391 12</u>	
Reduction of Funded Debt (balance) . . . . .	37,284 71	
		<u>\$223,367 57</u>

In accordance with an order passed by the Board of Aldermen March 22, 1900, no charge has been made during the year for water used for municipal purposes. The water income for the year 1900 is, therefore, reduced about \$12,000 on this account, the charges against the departments for water during the previous year being as follows:—

Street watering service . . . . .	\$5,305 04
Fire hydrant service . . . . .	4,172 00
Sewers flushing service . . . . .	40 00

Schoolhouses . . . . .	1,815 34
Fire stations . . . . .	393 45
City Hall and Annex . . . . .	51 26
Public Library . . . . .	15 00
Police Station . . . . .	50 12
Highway Department buildings . . . . .	76 72
Health Department buildings . . . . .	77 59
Water Department buildings . . . . .	28 00
Sewer Department buildings . . . . .	10 00
City ledge, stone crusher . . . . .	49 98
Fountains and troughs . . . . .	45 00
Parks and cemetery . . . . .	30 00
Other purposes . . . . .	5 00

**Department Receipts and Disbursements.**

WATER MAINTENANCE ACCOUNT.

	DR.	CR.
Amount appropriated by City Council from water revenue . . . . .		\$45,000 00
Collections from sundry accounts for labor and materials . . . . .		23,314 50
Collections from other sources . . . . .		86 00
Balance from water service assessments . . . . .		27 11
Materials furnished service department . . . . .	\$2,500 96	
Materials furnished construction department . . . . .	14,530 35	
Labor and materials furnished sundry persons . . . . .	6,855 39	
Labor and materials used in maintenance of the water works and renewals of pipe . . . . .	40,832 89	
Transferred to Water Works Extension Account . . . . .	3,000 00	
Unexpended balance of appropriation . . . . .	708 02	
	\$68,427 61	\$68,427 61

WATER WORKS EXTENSION ACCOUNT.

	DR.	CR.
Amount appropriated by City Council from water revenue . . . . .		\$22,000 00
Amount transferred from Water Maintenance Account . . . . .		3,000 00
Collections from sundry accounts for labor and materials . . . . .		55 20
Labor and materials used in extension of the water works . . . . .	\$24,927 06	
Unexpended balance of appropriation . . . . .	128 14	
	\$25,055 20	\$25,055 20

WATER SERVICE ACCOUNT.

	DR.	CR.
236 water service assessments . . . . .		\$4,315 06
Labor and materials used in water service construction . . . . .	\$4,287 95	
Balance transferred to water maintenance account . . . . .	27 11	
	\$4,315 06	\$4,315 06

**Cost of Water Works.**

The total cost of the water works on December 31, 1899, as represented by the expenditures from appropri- ations for water works extension, was . . . . .	\$741,557 57
Expended during the year 1900, on extension account . . . . .	24,927 06
	<hr/>
Total expenditures, December 31, 1900 . . . . .	\$766,484 63

**Water Debt.**

The indebtedness of the city on account of the water works on December 31, 1899, was \$239,500; this debt has been reduced during the year 1900 by the payments of bonds, maturing July 1 and October 1, to the amount of \$32,500; the indebtedness being now represented by bonds drawing interest as follows:—

\$197,000.00 at 4 per cent. per annum.
10,000.00 at 4½ per cent. per annum.
<hr/>

Total . . . \$207,000.00

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	77,640 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	a 200,735 03
1899		32,500 00	19,978 59	b 214,280 83
1900		32,500 00	24,927 06	c 222,322 15
	\$1,017,000 00	\$810,000 00	\$766,484 63	\$1,628,213 21

Total issue . . . . . \$1,017,000 00  
 Total payments . . . . . 810,000 00

Present water debt . . . . . \$207,000 00

\* From 1869 to 1886, inclusive, the basis of Somerville's water revenue was as follows: — The entire revenue from sale of water in Somerville was collected by the city of Boston and payments, were made to this city on the following sliding scale: —

On annual receipts up to \$20,000.00, Somerville's proportion was 15 per cent.  
 On annual receipts \$20,000.00 to \$30,000.00, Somerville's proportion was 20 per cent.  
 " " " 30,000.00 to \$40,000.00, " " " 25 " "  
 " " " 40,000.00 to \$50,000.00, " " " 30 " "  
 " " " exceeding \$50,000.00, Somerville's proportion was 40 per cent.

In 1887 the contract was changed so that Somerville should receive 50 per cent. of the revenue, and this contract existed until January 1, 1898, on which date it was annulled, the revenue since that time being collected by the city of Somerville.

† In 1891 \$5 000.00 of Water Loan Bonds were cancelled, City Loan Bonds being substituted for them.

‡ Renewal.

a. Includes amount received from city of Boston for collections of metered water charges for 4th quarter of 1897, but does not include Somerville metered water charges for 4th quarter of 1898.

b. Includes collections of metered water charges for 4th quarter of 1898, but does not include charges for 4th quarter of 1899.

c. Includes collections of metered water charges for 4th quarter of 1899, also amount of charges for 4th quarter of 1900. Does not include credit for water supplied to city departments.

### Inspection and Waste.

On the annual house to house canvass, from which is secured the data necessary in assessing the water charges, 10,538 inspections were made.

There has been discovered 905 defective water fixtures of the following kinds:—

Tanks and water closets . . . . .	622
Faucets . . . . .	235
Pipes . . . . .	48

Notices covering these defects have been issued and proper attention has been given thereto by the owners or occupants of the premises.

It is undoubtedly a fact that a very large amount of water is wasted annually through defective plumbing in the houses of this city, in leaky faucets and ball-cocks, in water being allowed to run to prevent its freezing in the pipes, and in the excessive use of water through hand hose; small perhaps in any particular case, but immense in the aggregate. This unnecessary use of water throughout the district draws heavily upon the metropolitan water supply, and entails increased expenditures of money for the operation of the works and the extensions of the system necessary to meet the demands upon it.

Second only to the city of Boston, Somerville pays the largest amount toward the cost of the metropolitan system of water works, and anything which may reduce the present cost of operation and render unnecessary the further extension of the system will be of direct financial advantage to this city. This may largely be accomplished if property owners and tenants will, by a careful and constant inspection of the water fixtures in all premises under their charge, and in such other ways as may indicate themselves, co-operate with this department in reducing the amount of water thus wasted so that an abundant and unrestricted supply of water for legitimate domestic and sanitary purposes may be secured at a minimum cost.

### Renewal of Street Mains.

As usual, the replacing of the old cement-lined water mains with substantial cast iron pipe has been an important feature of the year's work. But two bursts on the old cement water mains are to be recorded for the year; one cement-lined hydrant branch also gave way; in neither case was any damage caused to property. Such street mains as show any indication of weakness are generally relaid at once, thus reducing the liability of their bursting; in some cases it has been found expedient, in connection with other work, to remove some small cast-iron mains and replace them with pipe of larger diameter. Eleven thousand, eight hundred and ninety-six feet of old pipe has thus been abandoned



and removed during the year, and replaced with heavy iron pipe. There is now in the city approximately three miles of the cement-lined mains, a considerable portion of which will be replaced during the coming season with iron pipe.

The 16-inch pipe in Mansfield street and the 20-inch pipe in Washington street, both of iron, have given some trouble during the year by cracking.

There have been twelve joint leaks on pipes of various sizes, the greatest trouble appearing at the Webster-avenue crossing of the Boston & Maine railroad, owing, apparently, to the vibration of the earth caused by the passage of the frequent trains.

#### **Extension of Street Mains.**

A large amount of building has been done on Willow avenue and adjacent streets, requiring the laying of water pipes in an extensive territory hitherto unoccupied. There has been laid on construction account 14,084 feet of iron pipe of various sizes; of this, 11,784 feet have been laid in streets heretofore unsupplied with water, and 2,300 feet have been laid for improving the water circulation system and extending the high-pressure fire service.

The high-service districts of Winter hill and Central hill have been connected by a 12-inch pipe laid in Medford street from School street to a point near Walnut street, and a fire hydrant in Gilman square has been attached to this pipe, affording a fire pressure of about ninety-five pounds per square inch. In anticipation of the paving improvements in Davis square, a high-pressure fire and circulating pipe was laid in Highland avenue from Grove street, through the square into Holland street, and an eight-inch fire hydrant was attached thereto in the square in front of Medina building. This pipe is now connected with the low-service system at Grove street, but it is the intention to extend it in Highland avenue to Cedar street, and in Holland street to Gorham street, connecting with the high-service systems at those points and uniting, thereby, the Spring-hill and Clarendon-hill districts.

The water main was extended in College avenue to Professors' row, and important changes were made in the piping system at the latter point before the electric car tracks were laid, and numerous side connections and improvements were made in Broadway before the car tracks were placed therein. Pipes were also laid in Wigglesworth, Meacham, and Hall streets, in anticipation of improvements to be made by the highway department. The total main pipe mileage of the city is now approximately eighty-four miles, 1,827 feet.

#### **Hydrants, Gates, Etc.**

It is gratifying to be again able to report that, notwithstanding the severity of the winter season and other conditions with

which the department has to contend, no hydrant has failed to properly respond to its duty when called upon by the firemen. There is a city ordinance prohibiting the use of fire hydrants by any persons other than firemen in the discharge of their duties, without the license or authority of the Water Commissioner; this is a reasonable regulation in view of the importance of an efficient fire hydrant service, and should be respected. With the free use of the hydrant wrench by persons without authority, and therefore without knowledge of the Water Commissioner, it is almost impossible to place the responsibility for hydrants that may afterward be found in a defective condition.

All the hydrants have been carefully inspected during the year and repairs have been made wherever needed. A number of old-style hydrants have been removed and others of larger diameter and modern construction have been substituted therefor. A new hydrant has been set in Dover street, near Davis square, and in Somerville avenue, near Union square, for the further protection of the valuable interests in those localities. Twenty hydrants have been moved or abandoned, and forty-seven hydrants have been set, the net increase being twenty-seven, and the total number now in the city 897.

The hydrant which stood on Broadway, 138 feet west from Waterhouse street, has been sold to the Boston Elevated Railway Company, and removed, at their expense, to a point near their Clarendon-hill car house. The Boston & Maine railroad has set one hydrant in their yard at the old asylum grounds, which has been connected with our Washington-street main at the expense of the railroad company. A revised list, given in the appendix, of private fire hydrants supplied with water from the city of Somerville mains shows the number to be forty-two.

The number of main gates set during the year was 101; number removed on the line of the work, thirty-two; making a net increase of sixty-nine, and a total number of 1,203 in the city.

One 12-inch check valve was set in Professors' row, near Boston avenue, on the Clarendon-hill connection with the metropolitan water works high-service main. The high-service districts are now all provided with check valves, so that, in case of a failure or temporary shutting off of the metropolitan high-service mains, the low-pressure water will at once enter the pipes of our system.

Twenty-four blow-offs have been constructed on dead ends and at other suitable points for draining the pipes, removing sediment, etc. There are now in the system 108 blow-offs, and they are of valuable service in flushing the sewers as well as in the various requirements of the water works.

One waterpost for filling street-watering carts has been constructed, at the request of the highway department, on Vernon street, near Central street. The waterpost formerly standing on Broadway, 193 feet east from Willow avenue, was, by request, removed and set on Liberty avenue at Powder-House park.

Iron gate boxes have been set in place of old wooden ones wherever needed, and in Davis square and Cross street substantial brick gate chambers have been constructed on account of the paving improvements.

### **Drinking Fountains and Troughs.**

No increase has been made in the number of troughs or fountains. Those in service have received necessary minor repairs, and the horse troughs have been regularly washed out and cleaned.

The large stone horse trough which had for years stood in the centre of Davis square was removed at the time the brick pavement was being laid. The question of resetting it was before the local public for some time, and arguments pro and con were expressed; it was finally decided, however, to leave the square unencumbered for the present, and a new combination trough and fountain was set nearby in Cutter square. The trough constructed at this point is of a style adopted by the water departments of a number of cities, and, while not especially ornamental in appearance, it has the recommendation of being very substantial and easily cleaned, as well as being comparatively inexpensive.

The combination trough in Gilman square was lowered about fifteen inches, to conform to the new grade established for the square.

### **Service Department.**

The number of new service connections made during the year has been 238, this number being ten less than that of the previous year. One of the houses was formerly supplied by the city of Cambridge. In making these connections 8,987 feet of service pipe has been laid. The total mileage of service pipes is approximately sixty-five miles, 668 feet, and the number of house connections, 10,291.

The maintenance of the service system requires constant attention as the pipes grow older and become defective or their efficiency becomes impaired through accumulations of rust, sediment, or other causes. At noontime or midnight, in sunshine or storms, at all seasons of the year, the services of the men of this department are required, and when the warning comes that a water pipe is leaking they respond quickly to the summons and make the necessary repairs expeditiously and with as little inconvenience as possible to other water consumers, although at times, especially in the winter season, it becomes necessary to temporarily shut off the water from an entire street or section.

A large number of service boxes have been set, raised, and lowered to grade, and such other attention given them as has been necessary.

The service pipes in Cross street have largely been relaid with new and heavy material in anticipation of the contemplated paving improvements in this street, and the work will be completed early in the spring. The size of these service pipes has been generally increased, and they have been so extended in the sidewalk locations and reconnected with the houses as to allow the cutting off from the main of a large number of separate house connections, thereby reducing the liability of defective pipes in the street, and the necessity of breaking up the pavement for repairs.

During the relaying of the water mains in Mt. Pleasant, Mt. Vernon, Cutter, and Webster streets, the service pipes between the mains and the sidewalk cocks were also replaced with new and larger pipes, the old services being, in most cases, of small lead pipe, laid during the early days of the water works.

In West street and Clarendon avenue new water mains have been laid, and the small service pipes formerly unsatisfactorily supplying a number of houses have been re-arranged and so connected that the conditions have been greatly improved.

#### Meter Department.

The general policy of the department regarding water meters has been unchanged. The meters attached to the schoolhouses and other city buildings have all been removed, as the water is now furnished without charge for municipal purposes.

At the beginning of the year the number of meters in operation was	230
The number of operating meters added during the year was	23
Meters removed during the year	51
Total number of meters in operation December 31, 1900	202
Motor and elevator clocks in operation December 31, 1900	8

#### METERS IN USE DECEMBER 31, 1900.

	5/8"	3/4"	1"	1 1/2"	2"	3"	4"	6"	Total.
Empire . . .	1								1
Crown . . .	6	6	3	1	1	1	1	1	20
Gem . . .							1		1
Hersey . . .			7	1	2	3			13
Hersey Disc	1		5	1	2				9
Torrent . . .								1	1
Trident . . .	34	40	21	5	6	1	1		108
Union . . .	6	7	9	2	5	1	2		32
Union Special		8	4						12
Lambert . . .	5								5
Totals . . .	53	61	49	10	16	6	5	2	202

The quantity of metered water consumed in 1900 was 43,995,448 cubic feet, or about 329,965,860 gallons; the average cost to the consumer being about eleven cents per 100 cubic feet, or 14.6 cents per 1,000 gallons.

### Summary of Pipes and Fixtures.

Following is a general summary of the pipes and fixtures of the water system, December 31, 1900:—

Number of feet of main pipe (approximately)	445,347
Number of feet of service pipe (approximately)	343,868
Number of service connections (approximately)	10,291
Number of public fire hydrants . . . . .	897
Number of private fire hydrants . . . . .	42
Number of gates . . . . .	1,203
Number of check valves . . . . .	6
Number of meters . . . . .	202
Number of waterposts . . . . .	59
Number of blow-offs . . . . .	108

The annual inventory of stock on hand, tools, and machinery, teams and stable equipment, pumping apparatus, and furniture shows a valuation of \$24,985.21; 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 \$800,000.

### Pumping Plant.

The metropolitan high-service reservoir and pumping plant at Spot pond reached such a degree of completion that our local pumping plant was practically put out of commission on the 20th day of March. The Metropolitan Water Board continued, however, to employ our engineer, and kept the pump under their general orders until October 3, when notice was given by the board that they had no further need of the pumping service.

Efforts were made, early in the year, to sell the pump and boilers, hoping to obtain for them a price that would largely pay the cost of installing an electric or gas power pumping engine to be used for emergency purposes. No satisfactory offer having been received, however, the old outfit has been retained in service, and it seems best that it should be so continued for the present, as the expense of its maintenance is very light, no one being now required or employed as pumping engineer, and the amount of coal consumed being scarcely more than is required for heating purposes. The pumping equipment is kept in first-class condition, and a competent man, engaged in other work of the department, is always at hand to start the pump should the necessity arise.

### Buildings and Grounds.

Under the new charter the care and maintenance of the buildings which were constructed by the water department, and are used for its purposes, was transferred to the Commissioner of Public Buildings.

The improvements in the grounds about the buildings, which were commenced in 1899, have been practically completed. The artificial pond proved a great attraction to the children living in the vicinity during the hot weather of the past summer. The privilege was given them of using the basin as a bathing pool on two afternoons of each week under proper restrictions, and on a certain Saturday 128 children were counted at one time enjoying themselves in the sun-warmed and cleansing water.

The machine shop of the department has been extended and improved by the addition of new machinery, and the efficiency of the shop increased thereby. We are now able to do the greater portion of the machine work which we have heretofore found it necessary to send out.

By cutting down the foundation piers of the pumping engine, the pump can readily be lowered into the basement, where it can be reconnected, and a valuable and much-needed space for meter work can thereby be gained in the old pump room.

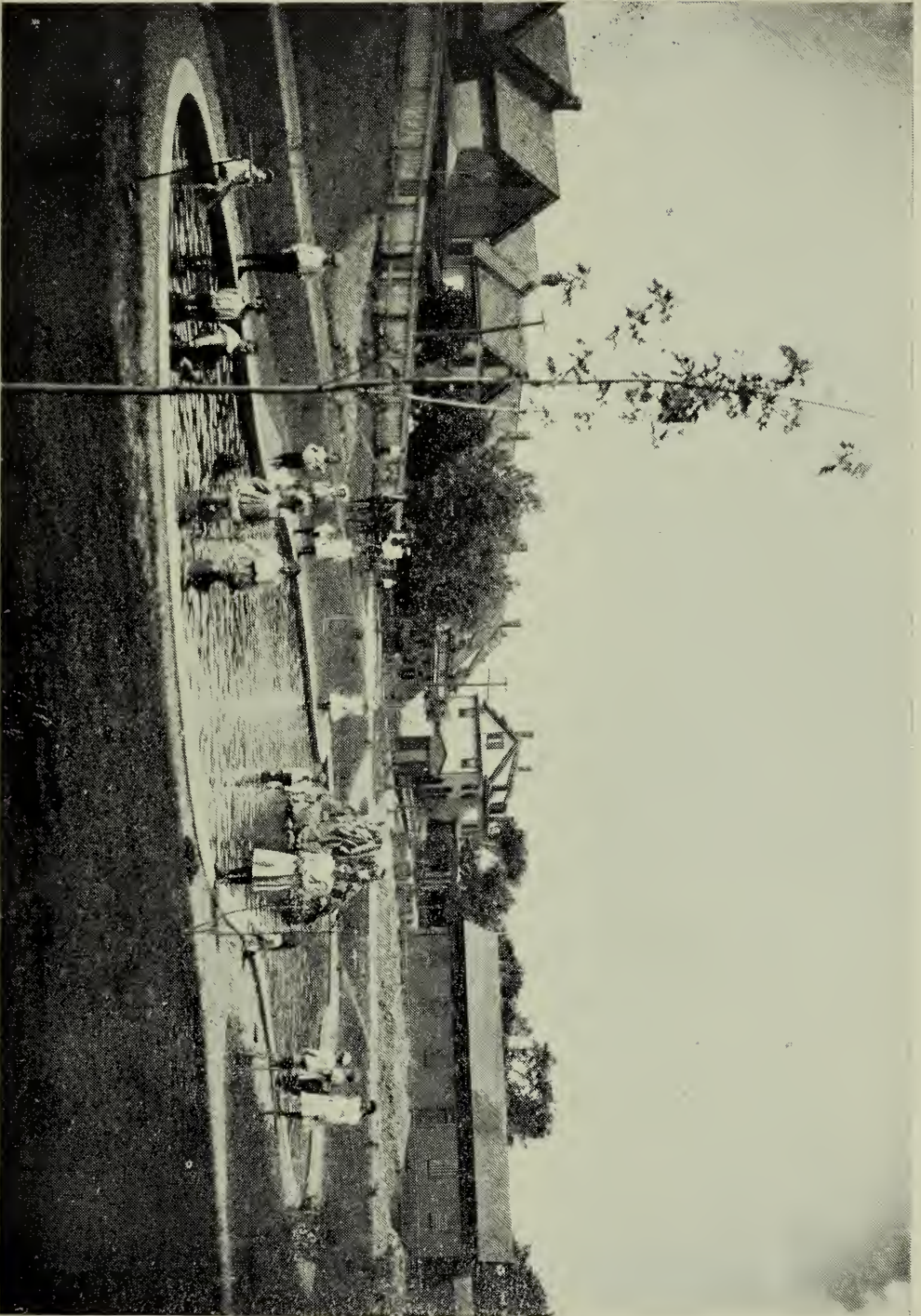
### Metropolitan Water Works.

The water supplied from this source has continued of excellent quality. At times the water, when first drawn from the faucet, has possessed a milky appearance, and some inquiry has been created as to its cause. This condition is produced by the passage of a small quantity of air into the pipes through the pumping machinery at Chestnut hill and is productive of no harm; the water soon clears away if allowed to stand.

The supply has been, as yet, unrestricted, but the Metropolitan Water Board has deemed it advisable to warn the representatives of the several water works of the district that the per capita consumption of water has so rapidly increased as to demand an immediate large outlay of money for a new conduit, and that some means must early be devised for restricting the waste now going on throughout the district. The consumption of water in gallons per inhabitant is stated to have increased from 73 in 1890 to 113 in 1900.

The following table of estimated assessments to be levied on Somerville, as this city's proportion of the cost and maintenance of the metropolitan water works, was compiled by the Metropolitan Water Board in 1898; the table also shows the actual assessments so far levied on this city.

	Estimated Assessment.	Actual Assessment.
1898 . . . . .	\$14,400 00	\$14,250 19
1899 . . . . .	21,200 00	20,975 58
1900 . . . . .	30,200 00	28,689 24



ARTIFICIAL POOL — WATER DEPARTMENT GROUNDS.





At a meeting of the representatives of the metropolitan district, called by the Water Board on November 21, it was stated that the amount authorized to be raised annually, under the existing law, was totally insufficient to meet the requirements for maintenance, interest, and the sinking fund, and is leading to a deficiency of \$4,354,100 if no change is made in the Metropolitan Water Act as it now stands.

Should a "pay-as-you-go" policy be hereafter adopted, as has been recommended by the Metropolitan Water Board, the annual assessments on the several cities and towns included in the district will be materially increased.

The following table, furnished by the Metropolitan Water Board, is a recent estimate of the amounts to be assessed on this city on the basis of the existing law and on the proposed method:—

**PROBABLE ANNUAL ASSESSMENT OF THE CITY OF SOMERVILLE.**

Year.	Under Existing Law.	If Full Annual Cost is Paid.
1901	\$36,100	\$61,600
1902	45,800	76,100
1903	54,700	83,500
1904	63,700	88,800
1905	66,600	84,000
1906	74,800	85,300
1907	82,500	85,700
1908	90,700	85,700
1909	94,500	85,700
1910	94,500	85,700

The reduction in cost from 1904 to 1905, and the small annual increase in cost from 1905 to 1907, in the last column, are due to the assumption that additional towns will enter the district, thereby dividing the cost among a larger population.

It is understood that legislation is likely to be asked for, so amending the present Metropolitan Water Act as to permit of assessing the cities and towns in the district for the full annual cost of the works.

**Revision of Water Rates.**

In conjunction with a special committee of the Board of Aldermen, appointed March 22, the Water Commissioner prepared a revised schedule of annual water rates, which was intended to establish the rates on what was thought to be a more equitable basis than the existing schedule. The present rates are those devised by the water department of Boston, and were in force when our water contract with that city was dissolved in 1898. The schedule was established a great many years ago, and is not altogether consistent nor defensible. The operation of the proposed schedule would be to reduce the rates on single family houses and increase them slightly, in some cases, on

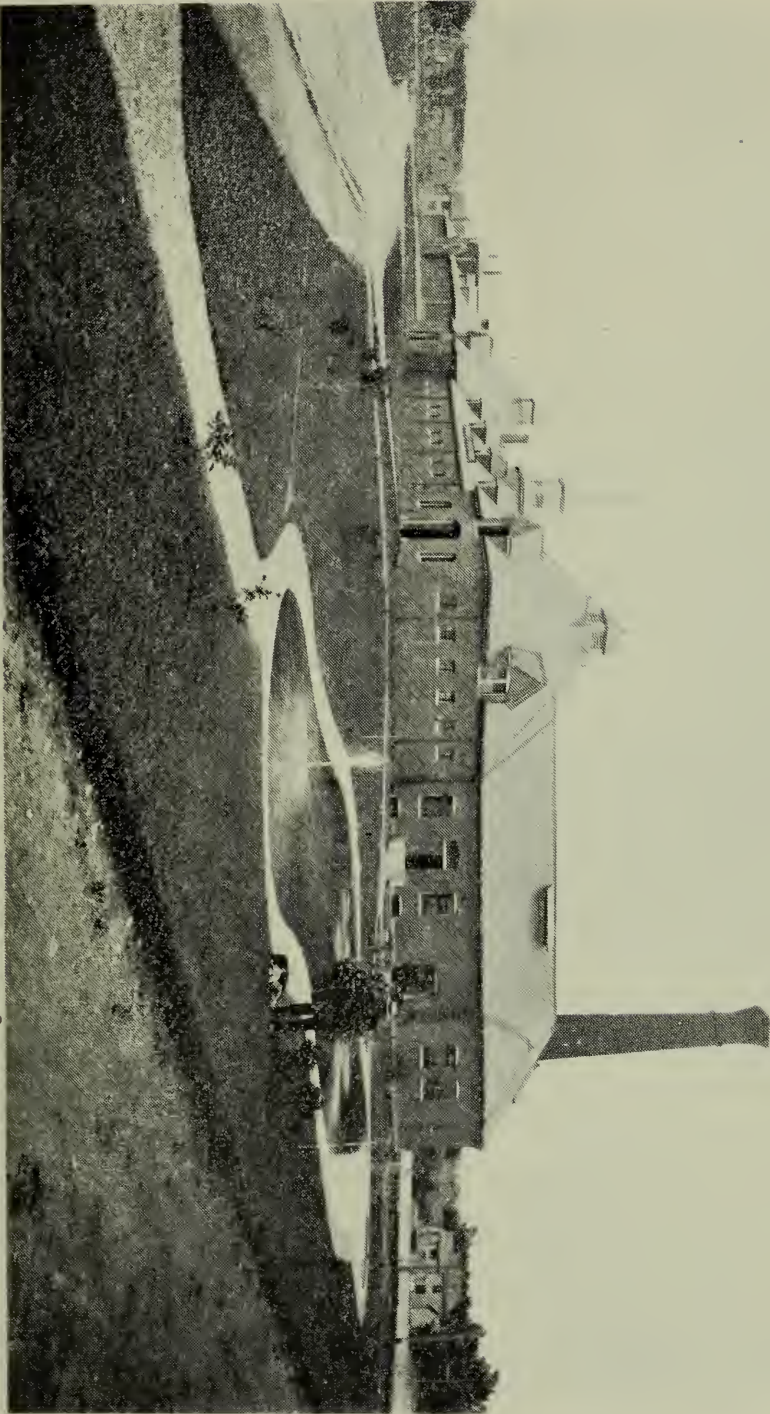
houses containing two or more families ; the point aimed at in the consideration of the subject being to equalize the rates, with minor reference to its effect on the gross income. It was estimated, however, that the application of the schedule would cause a reduction in the water income of some six per cent., or approximately \$12,000 on dwelling houses, and about three per cent., or \$6,000, more on all other classes of property affected. Included in this revised schedule was, also, an item providing for a rate of \$3 for the use of hand hose in place of the old charge of \$5.

Under the provisions of the Metropolitan Water Act, any changes in water rates must receive the approval of the Mayor before becoming operative, and all minimum rates must receive, also, the approval of the Metropolitan Water Board. This revised schedule was presented to the Mayor for his approval on October 19, with the intention of having it go into effect January 1, 1901, if sanctioned. On December 8 the Mayor, however, after careful consideration of the matter, communicated his disapproval of the proposed schedule in all its items except that relating to the charge for the use of hand hose, his objection being based on the large reduction in revenue that would result from the contemplated readjustment, and on the fact that the maximum metropolitan assessment had not then been determined. The item of hose charge meeting with his approval, it was submitted to the Metropolitan Water Board and was approved by that body, with certain restrictions limiting the time and manner of the use of the hose, and with an intimation, also, that the rate might not be allowed to stand permanently.

#### Appendix.

Appended hereto are tables giving further information and details concerning the work of the department during the year ; also locations of hydrants and other fixtures connected with the works.

FRANK E. MERRILL,  
Water Commissioner.



WATER DEPARTMENT BUILDINGS AND POOL.



LOCATIONS OF NEW MAINS LAID, LENGTH AND SIZE, NUMBER OF GATES, HYDRANTS, ETC., SET IN 1900.

NAME OF STREET.	FROM	TO	PIPE LAID.		GATES SET.		HYDRANTS SET.		BLOW-OFFS.		CHECK VALVES.		WATER POSTS.	DRINKING FOUNTAINS, TROUGHs.
			Size.	No. Feet.	Size.	No.	Kind.	No.	Size.	No.	Size.	No.		
Allen st.	Hydrant		6"	10			Mathews	2						
Allen st.	Blow-off		6"	7						6"	1			
Allen st.	Gate				6"	1								
Ayer ave.	Main in Morrison ave.	Con. with Frederick ave.		720	10"	1								
Ayer ave.	Hydrant		6"	4			Mathews	1						
Bardlett st.	Main in Broadway	Dead end	6"	30	8"	1	Chapman	1						
Bay State ave.	Con. with Allen st.	Con. with Merriam st.	6"	501	6"	1								
Charlestown st.	Blow-off		4"	12	4"	1								
Church st.	Con. with 6" iron pipe	Con. with hydrant near Cambridge line	6"	201			Bigelow	1		4"	1			
Clarendon ave.	{ Main in Professors' row	Con. with 12" iron pipe.	12"	182										
College ave.	{ Main in Professors' row	Con. with Talbot ave.	10"	905										
College ave.	Hydrant connection		6"	30			Mathews	1		4"	1			
College ave.	Blow-off		4"	9										
Crocker st.	Con. with Crown st.	North line of Crown st.	{ 8"	8										
Crown st.	Main in Porter st.	Con. with Crocker st.	{ 6"	2										
Cutter st.	Hydrant		6"	267	6"	1	Mathews	1		4"	1			
Cutter st.	Blow-off		6"	6										
Cutter st.	Watering trough		4"	13	4"	1	Chapman	1		6"	2			
Davis sq.	Hydrant		8"	96										
Davis sq.	Blow-off		6"	83										
Day st.	Main in Holland st.	5' S. from S. line of Elm st.	8"	26	8"	1								
Dover st.	Main in Holland st.	Dead end	8"	45	8"	1								
Dover st.	Hydrant connection		6"	7			Mathews	1						
Eastman pl.	Hydrant	Con. with 6" pipe near Curtis st.	4"	6			B. M.	1						
Electric ave.	Con. with 6" pipe near Curtis st.	Dead end	6"	233										
Evergreen ave.	Con. with 2" pipe		1"	36										
		Carried forward		3,446				10			6			1



Locations of New Mains Laid, Length and Size, Number of Gates, Hydrants, Etc., Set in 19 00. — Continued.

NAME OF STREET.	FROM	TO	PIPE LAID.		GATES SET.		HYDRANTS SET.		BLOW-OFFS.		CHECK VALVES.		WATER POSTS.	DRINKING FOUNTAINS, TROUGHS.
			Size.	No. Feet.	Size.	No.	Kind.	No.	Size.	No.	Size.	No.		
Loring st.	Blow-off	Brought forward	2"	7,254					11					1
Lovell st.	Main in Broadway	Main in Electric ave.	6"	462	2"	1	Mathews	1	2"					
Lowden ave.	Main in Broadway	Dead end	8"	30	6"	2								
Madison st.	Hydrant		6"	7	8"	1	Mathews	1						
Madison st.	Gate		6"	2	6"	1								
Madison st.	Blow-off	Con. with 6" iron pipe.	6"	12	4"	1								
Meacham st.	Con. with Brooks st.	{ Con. with 12" pipe E. from B. & M. bridge	6"	165	8"	1								
Medford st.	Con. with H. S. at School st.		12"	1,119	12"	2								
Medford st.	Blow-off		6"	6	6"	2								
Montrose st.	Hydrant		6"	23	6"	2	Mathews	1	6"	2				
Montrose st.	Blow-off		4"	7	4"	1								
Mt. Pleasant st.	Hydrant		6"	10	4"	1	Mathews	1	4"	1				
Mt. Pleasant st.	Blow-off		4"	5	4"	1								
Mt. Vernon st.	Hydrant		6"	45	4"	1	Mathews	1	4"	1				
Mt. Vernon st.	Blow-off		6"	7	6"	1								
Pearl st.	Hydrant		6"	65	6"	1	Mathews	1	6"	1				
Pearl st.	Blow-off		6"	28	6"	1								
Pearl st.	Blow-off		6"	30	6"	1								
Pearson road	Main in Professors' row	Dead end	8"	17	6"	1								
Pembroke st.	Hydrant		6"	12	6"	1	Chapman Mathews	1	6"	1				
Pitman st.	Hydrant		6"	6	6"	1								
Pritchard ave.	Main in Morrison ave.		6"	5	6"	1	Mathews	1						
Professors' row	{ End of 8" iron pipe	Dead end	8"	266	6"	1								
Professors' row	{ Main in College ave.	Con. with Pearson road	12"	118	12"	1								
Rogers ave.	Hydrant connection	Con. with 12" pipe	6"	331	6"	1	Mathews	1			12"	1		
Rogers ave.	Con. with iron pipe	Con. with Frederick ave.	6"	97	6"	1								
		Carried forward		10,265		51				20			1	





LOCATION AND LENGTH OF PIPES RELAID, GATES AND HYDRANTS RESET, 1900.

NAME OF STREET.	FROM	To	PIPE LAID.		GATES.				HYDRANTS.				WATER-POSTS.			
			Size.	Length.	Aband.		Reset.		Aband.		Reset.					
					Aband.	Relaid.	Size.	No.	Size.	No.	Kind.	No.		Kind.	No.	
Albion st.	Hydrant renewal		4"	6"	32											
Allen st.	South line of Somerville ave.	Con. with Charlestown st.	4"	8"	635											
Austin st.	Con. with 6" pipe nr. Broadway	Con. with 8" pipe at Mystic ave.	4"	6"	727			6"	1	8"	1					
Bartlett st.	Hydrant		6"	4"	3											
Benedict st.	Con. with Austin st.		6"	6"	3											
Bow st. pl.	Main in Bow st.	Blow-off	4"	6"	317			3"	1	6"	1					
Broadway	Waterpost		3"	4"	5			2"	1							
Broadway	East from Central st.		8"	12"	36			8"	1							
Broadway	Hydrants															
Broadway Park	Gate renewals		4"	4"	2			4"	1	4"	1					
Church st.	Main in Somerville ave.	Con. with Lake st.	6"	8"	359			6"	1	8"	1					
College ave.	Hydrant renewal		4"	6"	10											
Crocker st.	Hydrant renewal		6"	6"	3											
Cutter st.	Main in Webster st.	16' N. fr. S. line of Broadway.	6"	6"	780			6"	2	6"	2					
Davis sq.	Gate	Dead end	12"	12"	6			12"	1	12"	1					
Eastman pl.	Main in Highland ave.	Dead end	4"	6"	315			4"	1	6"	1					
Elm pl.	W. line Harvard st.	Dead end	3"	2"	181			2"	1	2"	1					
Florence terrace	Gate															
Garden ct.	Main in Somerville ave.	Dead end	4"	6"	395			4"	1	6"	1					
Granite st.	12' N. fr. N. line Somerville ave.	Con. with 6" iron pipe	1 1/2"	6"	5											
Greene st.	Hydrant renewal				261											
Joy street pl.	Gate	Carried forward						2"	1	2"	1					
					4,088				13		11				6	1



Location and Length of Pipes Relaid, Gates and Hydrants Reset, 1900.—Concluded.

NAME OF STREET.	FROM	TO	PIPE LAID.		GATES.				HYDRANTS.				WATER-POSTS.		
			Aband.	Relaid.	Length.	Aband.		Reset.		Aband.		Reset.		Aband.	Reset.
						Size.	No.	Size.	No.	Kind.	No.	Kind.	No.		
School st.	Con. with Montrose st.	Brought forward	4"	10"	10,109	29	27	14							
School st.	12' N. from S. line of Broadway	Con. with Madison st.	6"	10"	192										
School st.	Con. with Medford st. L. S.	Con. with 10" pipe at Oakland av	10"	10"	439	1	1								
Somerville ave.	Hydrant renewal	Dead end	6"	6"	11										
Trull st.	Hydrant renewal	Con. with 6" cement pipe	6"	10"	2										
Vine st.	Con. with Tyler st.	Con. with 6" cement pipe	6"	8"	147										
Webster st.	Main in Glen st.	Con. with 6" cement pipe	6"	6"	548	1	1	1	Holyoke	1	Holyoke				
Wesley Park.	Main in Bow st.	at Franklin st.	4"	6"	21										
West st.	Hydrant renewal	Blow-off	4"	4"	413	1	1	1	B. M.	1	B. M.				
			4"	6"	7				{ Bigelow { Holyoke	1	Holyoke				
					7										
					11,896	32	30	20							

### Hydrants—Construction Account.

New hydrants have been set in the following locations:—

- Allen street, 45 feet east from Somerville avenue, 6-inch Mathews.  
 Allen street, 323 feet east from Somerville avenue, 6-inch Mathews.  
 Ayer avenue, 264 feet north from Morrison avenue, 6-inch Mathews.  
 Bartlett street, 223 feet north from Medford street, 6-inch Chapman.  
 Clarendon avenue, near Cambridge line, 4-inch Bigelow.  
 College avenue, 720 feet north from Broadway, 6-inch Mathews.  
 Cutter street, 95 feet south from Broadway, 6-inch Mathews.  
 Davis square, 45 feet east from Day street, 8-inch Chapman.  
 Dover street, 22 feet south from Holland street, 6-inch Mathews.  
 Eastman place, 279 feet south from Highland avenue, 4-inch Boston Machine.  
 Granite street, 178 feet north from Somerville avenue, 6-inch Holyoke.  
 Highland avenue, 36 feet west from West street, 6-inch Mathews.  
 Liberty avenue, 12 feet north from Mallett street, 6-inch Mathews.  
 Lovell street, 41 feet south from Electric avenue, 6-inch Mathews.  
 Madison street, 103 feet west from School street, 6-inch Mathews.  
 Montrose street, 287 feet east from Sycamore street, 6-inch Mathews.  
 Mt. Pleasant street, 140 feet south from Broadway, 6-inch Mathews.  
 Mt. Vernon street, 11 feet south from Lincoln avenue, 6-inch Mathews.  
 Pearl street, 72 feet east from Bradley street, 6-inch Mathews.  
 Pembroke street, 14 feet east from Tennyson street, six-inch Chapman.  
 Pitman street, 180 feet west from Beech street, 6-inch Mathews.  
 Professors' row, 39 feet east from College avenue, 6-inch Mathews.  
 Rogers avenue, 88 feet south from Frederick avenue, 4-inch Boston Machine.  
 Somerville avenue, 76 feet east from Hawkins street, 6-inch Mathews.  
 Spencer avenue, 63 feet east from Fanning avenue, 4-inch Boston Machine.  
 Vine street, 121 feet south from Tyler street, 4-inch Bigelow.  
 Wesley street, 200 feet north from Pearl street, 4-inch Boston Machine.  
 Wesley park, 16 feet north from Bow street, 6-inch Mathews.  
 West street, 92 feet south from Highland avenue, 6-inch Mathews.  
 Whipple street, 101 feet north from Highland avenue, 6-inch Mathews.  
 Willow avenue, opposite Mallett street, 6-inch Mathews.

### Hydrants—Renewal Account.

The following changes have been made in the kind and location of hydrants:—

- Albion street, 4-inch Boston Machine hydrant, set 444 feet east from Cedar street, and 4-inch Boston Machine hydrant removed from 421 feet east from Cedar street.  
 Allen street, 4-inch Bigelow hydrant, set 9 feet north from Charlestown street, and 4-inch Bigelow hydrant removed from same location.  
 Bartlett street, 6-inch Holyoke hydrant, set 230 feet south from Broadway, and 6-inch Pratt and Cady hydrant removed from same location.  
 College avenue, 6-inch Mathews hydrant, set 405 feet north from Broadway, and 6-inch Michigan hydrant removed from 700 feet north from Broadway.  
 Crocker street, 6-inch Mathews hydrant, set 8 feet north from Crown street, and 6-inch Mathews hydrant removed from north corner of Crown street.  
 Greene street, 6-inch Mathews hydrant, set 295 feet south from Summer street, and 6-inch Holyoke hydrant removed from same location.  
 Loring street, 6-inch Coffin hydrant, set 276 feet north from Somerville avenue, and 6-inch Coffin hydrant removed from 273 feet north from Somerville avenue.

- Medford street, 6-inch Mathews hydrant, set 171 feet north from Marshall street, and 6-inch Chapman hydrant removed from 184 feet north from Marshall street.
- Montrose street, 6-inch Boston Machine hydrant, set 259 feet west from School street, and 6-inch Boston Machine hydrant removed from 399 feet west from School street.
- Mt. Pleasant street, 4-inch Boston Machine hydrant, set 135 feet north from Perkins street, and 4-inch Boston Machine hydrant removed from 253 feet south from Broadway.
- Professors' row, 6-inch Holyoke hydrant, set 158 feet west from Boston avenue, and 6-inch Holyoke hydrant removed from 277 feet east from College avenue.
- Somerville avenue, 6-inch Corey hydrant, set 105 feet east from Carlton street, and 4-inch Boston Machine hydrant removed from same location.
- Trull street, 6-inch Chapman hydrant, set 3 feet south from Medford street, and 8-inch Chapman hydrant removed from same location.
- Webster street, 4-inch Holyoke hydrant, set opposite Cutter street, and 4-inch Holyoke hydrant removed from 10 feet west from Cutter street.
- Wesley park, 4-inch Boston Machine hydrant, set 335 feet north from Bow street, and 4-inch Boston Machine hydrant removed from 245 feet north from Bow street.
- West street, 6-inch Holyoke hydrant, set 140 feet north from Highland avenue, and 4-inch Bigelow hydrant removed from same location.
- Broadway, 6-inch Holyoke hydrant removed from 138 feet west from Waterhouse street.
- Broadway, 4-inch Boston Machine hydrant removed from 20 feet west from Farm lane.
- Meacham street, 4-inch Bigelow hydrant removed from 200 feet east from Lester terrace.
- West street, 6-inch Holyoke hydrant removed from 3 feet north from Highland avenue.

**Recapitulation.**

Number of public hydrants set in 1900 . . . . .	47
“ “ private “ “ “ “ “ . . . . .	2
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Total number of hydrants set in 1900 . . . . .	49
Number of hydrants removed in 1900 . . . . .	20
Net increase in number of public hydrants, 1900 . . . . .	27
“ “ “ “ “ private “ “ . . . . .	2
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Total net increase in number of hydrants, 1900 . . . . .	29
Total number of public hydrants in the city . . . . .	897
“ “ “ private hydrants, revised list . . . . .	42
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Total number of all hydrants in the city January 1, 1901 . . . . .	939

**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.  
Ayer avenue, 264 feet north from Morrison avenue.  
Banks 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 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.  
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, 3 feet west from School street.  
Broadway, corner 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 Elm street.  
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.

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 street.  
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, 9 feet north from Vernon street.  
Central street, 187 feet south from Vernon street.  
Central street, 6 feet north from Albion street.  
Central street, 1 foot 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 Gordonia road.  
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.  
City stables, east end of yard.  
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.  
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, 405 feet north from Broadway.  
College avenue, 720 feet north from Broadway.  
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.  
Cook street, 74 feet north from Wyatt 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, north corner Otis 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, 288 feet south from Broadway.  
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 Elm 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.  
Dover street, 22 feet south from Holland street.  
Dover street, 203 feet south from Elm street.  
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.  
Elm street, 12 feet north from Winter street.  
Elm street, 6 feet south from Morrison street.  
Elm street, 8 feet south from Hall avenue.  
Elm street, 53 feet west from Francesca avenue.  
Elm street, opposite Kenwood street.  
Elm street, 100 feet west from Broadway.  
Elmwood street, 9 feet south from Holland street.  
Elmwood street, 300 feet north 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.  
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.  
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 Elm street.  
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, 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.  
 Glén 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.  
 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 Elm street.  
 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 Bech 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.  
 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, 35 feet east from Fanning avenue.

Highland avenue, 43 feet west from Lesley avenue.  
Highland avenue, 3 feet west from Willow avenue.  
Highland avenue, 36 feet west from West street.  
Highland avenue, 6 feet west from Grove street.  
Highland avenue, 218 feet west from Grove street.  
Highland avenue, 64 feet east from Elm street.  
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, 5 feet east from Jay street.  
Holland street, 3 feet east from Paulina street.  
Holland street, 94 feet east from Claremon 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.  
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.  
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 Elm street.  
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 Fanning avenue.  
Liberty avenue, 3 feet north from Kidder avenue.  
Liberty avenue, 12 feet north from Mallett street.  
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, 48 feet south from Lamson court.  
 Linwood street, 52 feet south from London street.  
 Linwood street, 2 feet south from Linwood place.  
 London street, 388 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, 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.  
 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 street, 4 feet north from Orchard street.  
 Meacham street, 97 feet north from Kingston street.  
 Meacham street, 14 feet west from Moreland street.  
 Mead street, 48 feet east from Claremont 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.  
Miner street, 137 feet north from Vernon street.  
Mondamin court, 272 feet west from Ivaloo 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.  
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, 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, 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, 192 feet east from School 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, 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 Elm street.  
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, 60 feet west from Hillside avenue.  
Pearl street, 15 feet east from Delaware street.  
Pearl street, 9 feet west from Glen 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.  
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.  
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.  
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 street, 350 feet west from School 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.  
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, 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 street.  
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, 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, 63 feet east from Fanning avenue.  
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 Gordonia road.  
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 street.  
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.  
Tenny 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, in the square, opposite Hill building.  
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.  
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.  
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, 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.  
 Winslow avenue, 145 feet east from Elm street.  
 Winslow avenue, 5 feet west from Grove 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.  
 Wyatt street, 324 feet east from Washington street.

#### Revised 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

#### Gates—Construction Account.

New gates have been set in the following locations:—

Allen street, 6-inch gate, 10 feet out from east line and 4 feet north from north line of house No. 26.  
 Allen street, 8-inch gate, 8 feet out from east line, on north line of Charlestown street.  
 Ayer avenue, 10-inch gate, 23 feet 6 inches out from east line, on north line of Morrison avenue.  
 Bay State avenue, 8-inch gate, 13 feet 4 inches out from east line, on south line of Broadway.  
 Charlestown street, 6-inch gate, 4 feet out from south line and 3 feet east from west line of Merriam street.  
 Church street, 4-inch gate, 13 feet 4 inches out from west line and 17 feet south from north line of Lake street.  
 College avenue, 10-inch gate, 20 feet out from west line and 24 feet north from north line of house No. 47.  
 College avenue, 4-inch gate, 26 feet out from west line, on north line of house No. 47.  
 Crocker street, 8-inch gate, 13 feet 4 inches out from west line, on north line of Crown street.  
 Crown street, 6-inch gate, 10 feet out from north line, on east line of Porter street.

- Cutter street, 4-inch gate, 14 feet out from west line and 12 feet north from north line of house No. 7.
- Davis square, 6-inch gate, 34 feet out from north line of Highland avenue and 2 feet east from west line of Day street.
- Davis square, 6-inch gate, 25 feet out from north line of Highland avenue and 2 feet west from west line of Day street.
- Day street, 8-inch gate, 10 feet 6 inches out from west line, on south line of Elm street.
- Dover street, 8-inch gate, 13 feet 4 inches out from west line and 1 foot south from south line of Holland street.
- Frederick avenue, 10-inch gate, 13 feet 4 inches out from south line, on west line of Ayer avenue.
- Frederick avenue, 10-inch gate, 13 feet 4 inches out from south line, on east line of Willow avenue.
- Gilman terrace, 4-inch gate, 15 feet out from east line and 8 feet south from north line of house No. 28.
- Granite street, 4-inch gate, 14 feet out from west line and 24 feet north from south line of Osgood street.
- Hall street, 6-inch gate, 10 feet out from north line, on east line of Cherry street.
- Hawthorne street, 6-inch gate, 14 feet out from south line and 15 feet west from east line of West street.
- Henderson street, 3-inch gate, 6 feet 8 inches out from west line, on south line of Wilton street.
- Holyoke road, 6-inch gate, 13 feet 4 inches out from west line, on south line of Elm street.
- Howard street, 6-inch gate, 10 feet out from south line, on east line of Whipple street.
- Josephine avenue, 6-inch gate, 15 feet out from east line, on south line of Frederick avenue.
- Josephine avenue, 8-inch gate, 15 feet out from east line, on south line of Broadway.
- Kingston street, 4-inch gate, 12 feet out from south line, on west line of house No. 46.
- Lake street, 6-inch gate, 13 feet out from north line, on east line of Church street.
- Lears' court, 4-inch gate, 7 feet out from west line, on south line of Main street.
- Lester terrace, 4-inch gate, 12 feet out from south line, on west line of house No. 12.
- Liberty avenue, 8-inch gate, 13 feet 4 inches out from east line, on south line of Broadway.
- Liberty avenue, 8-inch gate, 13 feet 4 inches out from east line, on south line of Kidder avenue.
- Loring street, 2-inch gate, 13 feet out from west line, on north line of house No. 31.
- Lovell street, 6-inch gate, 13 feet 4 inches out from east line, on north line of Broadway.
- Lovell street, 6-inch gate, 13 feet 4 inches out from east line, on south line of Electric avenue.
- Lowden avenue, 8-inch gate, 13 feet 4 inches out from east line, on south line of Broadway.
- Madison street, 6-inch gate, 13 feet 6 inches out from south line, on east line of Sycamore street.
- Madison street, 4-inch gate, 15 feet out from south line and 6 feet west from east line of house No. 18.
- Meacham street, 8-inch gate, 13 feet out from south line, on west line of Lester terrace.
- Medford street, 12-inch gate, 16 feet 8 inches out from east line and 67 feet east from east end of B. & M. R. R. bridge.
- Medford street, 12-inch gate, 16 feet 8 inches out from east line, on south line of Marshall street.

- Medford street, 6-inch gate, 42 feet out from north line of Pearl street and 8 feet west from west line of Masonic building.
- Medford street, 6-inch gate, 6 feet out from north line and 24 feet east from east end of B. & M. R. R. bridge.
- Montrose street, 4-inch gate, 17 feet out from south line and 1 foot west from east line of house No. 17.
- Mt. Pleasant street, 4-inch gate, 13 feet out from west line and 3 feet south from south line of Broadway.
- Mt. Vernon street, 6-inch gate, 17 feet out from west line and 3 feet south from south line of Broadway.
- Pearl street, 6-inch gate, 20 feet out from north line and 16 feet west from east line of Bradley street.
- Pearl street, 6-inch gate, 6 feet out from north line and 13 feet west from east line of Cross street.
- Pritchard avenue, 6-inch gate, 13 feet 4 inches out from east line, on north line of Morrison avenue.
- Professors' row, 12-inch gate, 17 feet out from north line and 34 feet west from west line of Boston avenue.
- Professors' row, 12-inch check valve, 17 feet out from north line and 31 feet west from west line of Boston avenue.
- Rogers avenue, 6-inch gate, 16 feet out from east line, on south line of Frederick avenue.
- Rogers avenue, 6-inch gate, 15 feet out from east line, on north line of Frederick avenue.
- Rogers avenue, 10-inch gate, 16 feet 8 inches out from east line, on south line of Broadway.
- Sanborn's court, 4-inch gate, 10 feet out from east line, on north line of Washington street.
- Spencer avenue, 6-inch gate, 13 feet 4 inches out from north line, on west line of Cedar street.
- Spencer avenue, 6-inch gate, 13 feet 4 inches out from north line, on east line of Fanning avenue.
- Tennyson street, 6-inch gate, 13 feet 4 inches out from west line, on north line of Pembroke street.
- Vernon street, 2-inch gate, 5 feet 4 inches out from waterpost located 45 feet west from Central street.
- Vine street, 6-inch gate, 16 feet out from east line and 7 feet north from south line of Tyler street.
- Washington street, 12-inch gate, 1 foot out from south line and 6 feet west from east line of Asylum avenue.
- Webster street, 8-inch gate, 15 feet out from south line, on east line of Glen street.
- Wesley street, 6-inch gate, 13 feet 4 inches out from east line, on south line of Otis street.
- Wesley park, 4-inch gate, 13 feet 4 inches out from west line and 13 feet north from north line of house No. 22.
- West street, 6-inch gate, 10 feet out from west line, on south line of Highland avenue.
- West street, 6-inch gate, 10 feet out from west line, on north line of Hawthorne street.
- West street, 6-inch gate, 15 feet out from east line and 15 feet south from north line of Hawthorne street.
- Whipple street, 6-inch gate, 10 feet out from east line, on north line of Highland avenue.
- Willoughby street, 8-inch gate, 8 feet 4 inches out from north line, on west line of Sycamore street.
- Willow avenue, 12-inch gate, 16 feet 8 inches out from east line, on south line of Broadway.
- Willow avenue, 12-inch gate, 16 feet 8 inches out from east line, on south line of Frederick avenue.
- Willow avenue, 4-inch gate, 20 feet out from east line and 3 feet south from south line of Broadway.

**Gates—Renewal Account.**

The following changes have been made in the size and location of main gates:—

- Austin street, 8-inch gate, set 13 feet 4 inches out from west line, on south line of Mystic avenue, and 6-inch gate removed from same location.
- Bow-street place, 6-inch gate, set 12 feet out from east line, on west line of Bow street, and 3-inch gate removed from same location.
- Broadway park, 4-inch gate, set 54 feet out from west line of Chauncey avenue and 9 feet north from south line of house No. 56, and 4-inch gate removed from 7 feet out from park fence line and 12 feet north from south line of house No. 56.
- Church street, 8-inch gate, set 13 feet 4 inches out from west line, on south line of Somerville avenue, and 6-inch gate removed from same location.
- Cutter street, 6-inch gate, set 13 feet 4 inches out from west line, on north line of Webster street, and 6-inch gate removed from same location.
- Cutter street, 6-inch gate, set 13 feet 4 inches out from west line, on south line of Broadway, and 6-inch gate removed from same location.
- Davis square, 12-inch gate, set 47 feet out from south line of Holland street, on east line of Dover street, and 12-inch gate removed from 43 feet out from south line of Holland street, on west line of Dover street.
- Eastman place, 6-inch gate, set 12 feet out from west line, on south line of Highland avenue, and 4-inch gate removed from same location.
- Florence terrace, 2-inch gate, set 5 feet out from north line, on west line of Jaques street, and 2-inch gate removed from same location.
- Garden court, 6-inch gate, set 7 feet out from east line, on south line of Somerville avenue, and 4-inch gate removed from same location.
- Joy-street place, 2-inch gate, set 10 feet out from north line, on west line of Joy street, and 2-inch gate removed from same location.
- Liberty avenue, 2-inch gate, set 3 feet out from waterpost located 46 feet south from Broadway, and 2-inch gate removed from 3 feet out from waterpost located on Broadway 193 feet east from Willow avenue.
- Madison street, 6-inch gate, set 13 feet 6 inches out from south line, on west line of School street, and 6-inch gate removed from same location.
- Medford street, 12-inch gate, set 12 feet out from east line, on south line of School street, and 6-inch gate removed from same location.
- Medford street, 12-inch gate, set 19 feet out from west line, on south line of Lee street, and 12-inch gate removed from same location.
- Montrose street, 8-inch gate, set 13 feet 4 inches out from south line, on east line of Sycamore street, and 6-inch gate removed from same location.
- Montrose street, 8-inch gate, set 13 feet 4 inches out from south line, on west line of School street, and 6-inch gate removed from same location.
- Mt. Pleasant street, 6-inch gate, set 11 feet out from west line, on north line of Perkins street, and 6-inch gate removed from same location.
- Mt. Pleasant street, 6-inch gate, set 11 feet out from west line, on south line of Broadway, and 6-inch gate removed from same location.
- Mt. Vernon street, 10-inch gate, set 13 feet 4 inches out from west line, on north line of Perkins street, and 6-inch gate removed from same location.
- Mt. Vernon street, 10-inch gate, set 13 feet 4 inches out from west line, on south line of Broadway, and 6-inch gate removed from same location.
- Pearl street, 12-inch gate, set 15 feet 6 inches out from north line, on west line of Walnut street, and 6-inch gate removed from same location.
- Pearl street, 12-inch gate, set 16 feet 8 inches out from north line, on east line of Marshall street, and 6-inch gate removed from same location.

- Pearl street, 12-inch gate, set 16 feet 8 inches out from north line, on west line of Cross street, and 6-inch gate removed from same location.
- Pearl street, 12-inch gate, set 13 feet out from north line, on east line of Cross street, and 8-inch gate removed from same location.
- Pembroke street, 6-inch gate, set 13 feet 4 inches out from south line, on east line of Central street, and 4-inch gate removed from 17 feet out from south line, on east line of Central street.
- Perkins place, 4-inch gate, set 7 feet out from west line, on north line of Perkins street, and 4-inch gate removed from 10 feet out from west line and 17 feet south from north line of Perkins street.
- School street, 10-inch gate, set 16 feet 8 inches out from east line, on south line of Broadway. and 6-inch gate removed from same location.
- Webster street, 8-inch gate, set 15 feet out from south line, on west line of Franklin street, and 6-inch gate removed from 10 feet out from north line, on west line of Franklin street.
- Wesley park, 6-inch gate, set 13 feet 4 inches out from west line, on north line of Bow street, and 4-inch gate removed from same location.
- Broadway, 8-inch gate, removed from 34 feet out from south line and 21 feet west from east line of Central street.
- Pearl street, 8-inch gate, removed from 16 feet out from north line and 15 feet west from east line of Marshall street.

RECAPITULATION.

GATES.	1"	1 1/2"	2"	3"	4"	6"	8"	10"	12"	16"	Total.
Set . . . . .	. . . . .	. . . . .	5	1	16	41	17	8	13	. . . . .	101
Removed . . . . .	. . . . .	. . . . .	3	1	6	17	3	. . . . .	2	. . . . .	32

Net increase in number of gates in 1900 . . . . . 69  
 Total number of gates in the city January 1, 1901 . 1,203

**Location of Water Posts.**

- Albion street, 83 feet west from Centre street.
- Appleton street, 49 feet west from Willow avenue.
- Beacon street, 160 feet west from Buckingham street.
- Beacon street, 33 feet west from Vine street.
- Beacon street, 94 feet east from Sacramento 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.
- Cherry street, 161 feet south from Fairlee street.
- Columbus avenue, opposite Stone avenue.
- Concord avenue, opposite Knapp school.
- Elm street, 25 feet west from Burnside avenue.
- Elm street, opposite Morrison street.
- Elm street, 5 feet south from Kenwood street.
- 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.



Highland avenue, 42 feet east from Crocker 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.  
 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.  
 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.  
 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, 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.  
 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.  
 Washington street, opposite Leland street.  
 Wheatland street, 30 feet south from Mystic avenue.  
 Webster avenue, 68 feet north from Tremont street.

**Location of Drinking Fountains.**

Broadway, opposite park, near Winthrop avenue . . . . .	H
Union square, junction Somerville avenue and Washington street . . . . .	H
Union square, in front of Hill building . . . . .	D I
Highland avenue, in front of City Hall Annex . . . . .	D
Gilman square . . . . .	C
Cutter square . . . . .	C
Davis square, in front of Medina building . . . . .	D I
Teele square . . . . .	C

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 . . . . .	12	16		\$1,109 43
Bacon Works . . . . .	3	4		204 81
Bakeries . . . . .	4	4		178 27
Bleachery and Dye Works . . . . .	2	2		593 26
Boarding-houses . . . . .	4	4		110 62
Bottling Works . . . . .	2	2		37 66
Bowling Alleys . . . . .	1	1		51 05
Carhouses . . . . .	3	5		553 63
Churches . . . . .	1	1		28 00
Clubhouses . . . . .	2	2	1	15 00
Coal Wharves . . . . .	2	2		608 53
Colleges . . . . .	1	10		524 22
Distilleries . . . . .	1	1		246 20
Electric Light Stations . . . . .	1	1		1,864 20
Elevator Clocks . . . . .	1	1		355 84
Factories . . . . .	19	21	2	2,335 73
Fire Stations . . . . .	8	8	8	
Foundries . . . . .	2	2	1	21 28
Glass Works . . . . .	2	2		228 26
Grain Elevators . . . . .	1	1		51 52
Greenhouses . . . . .	1	2		82 04
Halls . . . . .	1	1		15 00
Hospitals . . . . .	2	3		259 14
Hotels . . . . .	4	4		358 51
Machine Shops . . . . .	1	1		17 92
Milk Business . . . . .	4	4	1	131 32
Motor Clocks . . . . .	7	7		89 32
Offices and Stores . . . . .	25	25	2	1,134 98
Photograph Studios . . . . .	1	1		171 02
Pickle and Preserving Works . . . . .	2	2	1	170 36
Poultry Farms . . . . .	3	3		77 25
Printing Offices . . . . .	1	1		49 98
Public Buildings . . . . .	10	10	10	
Pumping Stations . . . . .	1	1		447 96
Railway Stations . . . . .	4	4		355 89
Railway Yards . . . . .	2	2		14,061 24
Schoolhouses . . . . .	25	25	23	50 00
Slaughtering and Rendering Establish- ments . . . . .	5	19		19,181 56
Soap Works . . . . .	2	2		150 65
Stables . . . . .	47	47	2	1,951 10
Steam Engines . . . . .	2	2		82 04
Vinegar Works . . . . .	2	3		74 20
Wood Yards . . . . .	2	2		175 62
		261	51	\$48,204 61

The quantity of water registered by the above meters and clocks in 1900 was 43,995,448 cubic feet.

**Defects in Street Mains.**

The following bursts and leaks in street mains occurred in 1900 :—

**BURSTS.**

	SIZE OF MAIN.	NUMBER.
	3''	1
	4''	2
	16''	1
	20''	2
Total . . . . .		6

**LEAKS.**

	SIZE OF MAIN.	NUMBER.
	6''	4
	10''	1
	12''	4
	14''	1
	20''	2
Total . . . . .		12

**Water Services.**

SERVICE CONSTRUCTION.

Two hundred and thirty-eight new service connections were made in 1900, as follows:—

Owners' applications received in 1900 . . . . .	236
Owners' applications received in 1901 . . . . .	1
Transferred from City of Cambridge main in . . . . .	
Roseland street . . . . .	1
	238

The following table shows the sizes and lengths laid:—

	SIZE.	NUMBER.	LENGTH.
	1"	4	150 feet
	$\frac{3}{4}$ "	234	8,837 "
Total . . . . .		238	8,987 feet.

Total number of service pipes laid to January 1, 1901, 10,291.

Total length of service pipe used in making service connections, 65 miles, 668 feet.

SERVICE MAINTENANCE.

Leaks repaired on service pipes . . . . .	143
Iron service boxes set . . . . .	222
New service gates set on old connections . . . . .	80
Services cleaned of sediment, fish, etc. . . . .	52
Services replaced at city's expense on account of defective pipe and fittings . . . . .	24

# REPORT OF CHIEF ENGINEER OF FIRE DEPARTMENT.

OFFICE OF CHIEF ENGINEER OF FIRE DEPARTMENT, }  
 January 1, 1901. }

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

Gentlemen,—The following information concerns the operations of the Fire Department for the year ending December 31, 1900:—

### Fires.

Number of bell alarms . . . . .	146
Number of still alarms . . . . .	82
	228
Value of buildings at risk . . . . .	\$289,480 00
Damage to same . . . . .	43,173 00
Insurance on same . . . . .	193,620 00
Value of contents . . . . .	43,479 00
Damage to same . . . . .	17,838 11
Insurance on same . . . . .	48,810 00
Total value . . . . .	332,959 00
Total damage . . . . .	61,011 11
Total insurance . . . . .	242,430 00

### Manual Force.

The manual force of the department consists of one hundred and seven men, an increase of three over the preceding year, as follows:—

Chief engineer . . . . .	1
Assistant engineer . . . . .	1
One engine company of 14 men . . . . .	14
Two engine companies of 13 men each . . . . .	26
One hose company of 9 men . . . . .	9
One hose company of 8 men . . . . .	8
Two hose companies of 7 men each . . . . .	14
One hose company of 6 men . . . . .	6
One chemical company of 3 men . . . . .	3
One ladder company of 13 men . . . . .	13
One ladder company of 11 men . . . . .	11
One relief driver . . . . .	1
	107

### Equipment.

The apparatus of the department consists of three steam fire engines, six hose wagons, two combined chemical engines and hose wagons, two ladder trucks, and one chemical engine.

Each steam fire engine has a pumping capacity of 700 gallons per minute. Their weights, as run to fires, are: Engine 1, 8,575 pounds; engine 2, 7,400 pounds; engine 4, 8,800 pounds.

Each hose wagon carries 900 feet of hose, forty-three feet of ladders, and two three-gallon portable chemical extinguishers, and weighs, loaded, exclusive of men, from 3,300 to 3,500 pounds.

Chemical engine A carries two fifty-gallon tanks, 350 feet of chemical hose, and twenty-seven feet of ladders, and weighs 5,240 pounds.

Combined hose reel and chemical engine No. 6 carries two thirty-five-gallon chemical tanks, 300 feet of chemical hose, 700 feet of two-and-one-half-inch hydrant hose, and twenty-seven feet of ladders. Its weight is 5,800 pounds.

Combined hose wagon and chemical engine No. 7, placed in service December 24, 1900, carries two twenty-gallon chemical tanks, 200 feet of chemical hose, 600 feet of two-and-one-half inch hydrant hose, and twenty-four feet of ladders. Its weight is 5,060 pounds.

Ladder truck No. 1 carries 365 feet of ladders, two three-gallon portable chemical fire extinguishers, with life saving appliances, and weighs without men 5,860 pounds.

Ladder truck No. 2 carries 325 feet of ladders, two portable chemical extinguishers, and a live-saving canvas, and weighs, exclusive of men, 5,700 pounds.

We have, also, one spare ladder truck, and two spare hose reels that are kept in condition for immediate use.

There are thirty-six horses belonging to the department, and two not owned by the department are cared for by it, and used by the assistant engineer and the electrical department. The total number shod and fed is thirty-eight, 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) . . . . .	2 "
Hose 7 (Combination Hose and Chemical) . . . . .	2 "
Chemical A . . . . .	2 "
Ladder 1 . . . . .	3 "
Ladder 2 . . . . .	3 "
Chief of Department . . . . .	1 "
Assistant chief . . . . .	1 "
Spare . . . . .	2 "
Electrical Department . . . . .	1 "
Total . . . . .	<hr/> 38

### Service.

The eleven companies composing the department responded a total of 856 times to the 228 bell and still alarms, traveled a total of 1,453 miles, used 71,710 feet of fire-hose, 29,250 feet of chemical hose, 5,314 feet of ladders, 6,655 gallons of chemicalized water, and 123 portable chemical extinguishers. A tabulated statement of the service performed by each company will be found near the end of this report.

### Recommendations.

There should be a spare steam fire engine. The city cannot be considered as reasonably safe unless three engines are always ready for use. Such is not the case under present conditions, as when one of the engines is being repaired we have but two in service. Furthermore, in case of a large fire a spare engine would be a valuable auxiliary. Assistance has always been freely rendered by neighboring cities when needed, and we have as freely reciprocated, but we should be provided with sufficient apparatus so that the favors may be returned without risk to the interests of our city. A spare engine could be maintained without material expense.

Engine No. 1 is very much in need of new axles and a thorough overhauling. It has been in service seventeen years. Engine 4, which has been in service ten years, requires new wheels and a new boiler.

Steam fire engine boilers are seldom serviceable for more than seven years when used with heaters.

The buildings of the department are in good condition, with the exception of the old one at the corner of Washington and Prospect streets, in which are housed Ladder 1 and Hose 3. This building is too short to admit of the equipment of the truck with forty-foot ladders.

Such ladders are necessary to reach the top of three and four-story buildings, and the demand for them is constantly increasing. This station is unhealthy, and possesses none of the modern conveniences and comforts, such as a bathroom, clothes closets, etc., and the sanitary arrangements are very inferior to those in other department stations. I recommend that a beginning be made at once towards the erection of a new building to supersede this one, on land owned by city at the corner of Somerville avenue and Prospect street.

Chapter 267 of the Acts of 1898, entitled "An Act to Authorize Cities to Pension Firemen," having been accepted by the voters of the city, rules should be adopted to govern its operation. An age limit for applicants for appointment in the call force should be established, and they should be required to pass a physical examination.

There are nearly 11,000 dwellings in the city, most of which are built of wood, with the roofs shingled. The area on which they stand comprises less than 1,800 acres. I believe an effort should be made to secure such legislation as shall prevent the covering of roofs with shingles in the future, as the custom adds materially to the fire risk.

### Discipline.

The discipline and general conduct of the members of the department is good. The men are prompt and ready, and act with intelligence, and I believe the department enjoys the entire confidence of our citizens.

### Acknowledgments.

The heads of other departments have co-operated with the fire department in such a practical way as to contribute materially to its success. The commissioner of wires has manifested the importance of having the best fire alarm telegraph signal service, and has promptly remedied any defects in the lines caused by storms, and kept the entire service in the best condition possible at all times. The street commissioner has caused building material when placed so as to obstruct the prompt use of hydrants to be immediately removed. The water commissioner has been vigilant in placing hydrants where required. The building commissioner has kept the department buildings in excellent condition. The chief of police through his officers has given alarms promptly and maintained good order among the crowd that usually attends fires.

The service of this department shows the value of co-operation by the several departments, and is evidence of good city government.

In conclusion, I desire to thank His Honor the Mayor for the courteous treatment that I have always received from him, the chairman and members of the fire department committee, and all others for whose co-operation in all matters appertaining to the welfare of the department I am indebted.

To the officers and members of the Fire Department I extend my sincere thanks for their excellent conduct and efficient work.

### Causes of Fires and Bell Alarms.

Accidental . . . . .	1
Ashes . . . . .	3
Awning . . . . .	1
Bonfire . . . . .	3
Chimney . . . . .	5
Children playing with matches . . . . .	8
	<hr/>
Number carried forward . . . . .	21



Number brought forward . . . . .	21
Christmas tree . . . . .	1
Cigar in sawdust box . . . . .	1
Defective fireplace . . . . .	1
Drapery in contact with gas . . . . .	1
Drying plastering . . . . .	4
Exposure to another fire . . . . .	1
False . . . . .	10
Fire in Cambridge . . . . .	1
Firecrackers . . . . .	6
Fumigation . . . . .	1
Furnace . . . . .	5
Gas explosion . . . . .	1
Gas stove . . . . .	1
Grass . . . . .	2
Hot coal in railroad car . . . . .	1
Hot coke in railroad car . . . . .	2
Ignited kerosene oil tank . . . . .	1
Ignited from turpentine . . . . .	1
Incendiary . . . . .	9
Incubator . . . . .	1
Lamp, breaking of . . . . .	7
Lamp, explosion of . . . . .	2
Lantern, breaking of . . . . .	1
Lighting fire with kerosene oil . . . . .	1
Lightning . . . . .	1
Matches . . . . .	4
Oil stove overheated . . . . .	12
Oil stove explosion . . . . .	1
Oily rags . . . . .	1
Plumber's gasoline pot . . . . .	1
Painter's gasoline torch . . . . .	2
Rubbish . . . . .	5
Smoke mistaken for fire . . . . .	5
Sparks from chimney . . . . .	1
Sparks from forge . . . . .	2
Sparks from fire box . . . . .	1
Sparks from locomotive . . . . .	3
Sparks from tobacco pipe . . . . .	7
Sparks on roof . . . . .	10
Sparks on timber . . . . .	1
Spontaneous combustion . . . . .	2
Steam mistaken for fire . . . . .	1
Stove overheated . . . . .	1
Unknown . . . . .	2
Total bell alarms . . . . .	<u>146</u>

There were eighty-two still alarms, where the loss in most cases was trivial, and but one piece of fire apparatus was necessary.

## Service of Companies in Fire Department, Year 1900.

	Engine 1.	Engine 2.	Engine 4.	Hose 2.	Hose 3.	Hose 3.	Hose and Chemical 6.	*Hose and Chemical 7.	Chemical A.	Hook and Ladder 1.	Hook and Ladder 2.	Totals.
Bell alarms responded to . . . . .	111	62	49	64	82	81	35	3	135	96	54	772
Still alarms responded to . . . . .	5	18	13	10	4	6	13	.	7	2	4	82
Automatic alarms responded to . . . . .	.	.	.	.	2	.	.	.	.	.	.	2
Miles traveled . . . . .	242	110	102	174	103	192	82	5	305	42	97	1,454
Feet of hydrant hose used . . . . .	14,600	9,150	9,100	9,450	9,900	15,000	4,500	.	.	.	.	71,700
Feet of Chemical hose used . . . . .	.	.	.	.	.	.	3,700	.	25,500	.	.	29,200
Feet of ladders used . . . . .	140	92	30	5	150	420	75	.	285	2,520	1,597	5,314
Chemical extinguishers used . . . . .	11	7	15	5	29	29	.	.	.	.	29	125
Gallons of chemical water used . . . . .	.	.	.	.	.	.	1,015	.	5,640	.	.	6,655
Times on duty at other stations . . . . .	.	.	.	.	.	.	16	.	.	.	.	16

\* Went into service December 24, 1900.

**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,	Engineer,	Fireman,	Pleasant st.
William A. Burbank,	March 6, 1842,	Asst. Engineer,	Fireman,	Gilman st.
Harry W. Elwell,	April 21, 1868,	Driver,	Fireman,	Hudson st.
Harry J. Locke,	April 25, 1871,	Driver,	Fireman,	Gilman 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.
Charles W. Boyer,	Dec. 23, 1871,	Hoseman,	Mech. Engineer,	Highland ave.
Melvin F. Underwood,	Nov. 28, 1873,	Hoseman,	Electrician,	Richdale ave.

**ENGINE COMPANY NO. 2.**

NAME.	BORN.	RANK.	OCCUPATION.	RESIDENCE.
Thomas H. Daly,	April 3, 1845,	Captain,	Fireman,	Broadway.
John Frizzell,	Oct. 14, 1856,	Lieutenant,	Painter,	Everett ave.
Clarence V. Cook,	Oct. 1, 1858,	Engineer,	Fireman,	Arthur st.
Walter H. Young,	Dec. 25, 1869,	Asst. Engineer,	Fireman,	Fountain ave.
Lewis E. Seymour, Jr.,	March 25, 1873,	Driver,	Fireman,	Flint st.
Arthur C. Sellon,	July 15, 1863,	Driver,	Fireman,	Flint st.
William J. Logan,	July 4, 1840,	Hoseman,	Painter,	Autumn st.
Robert Geaton,	Feb. 22, 1861,	Hoseman,	Painter,	Autumn 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,	Webster st.
Caleb W. Kimball,	July 16, 1874,	Hoseman,	Paperhanger,	Cross st.
Frederick W. Kimball,	Aug 11, 1866,	Hoseman,	Woodworker,	Brook st.

**ENGINE COMPANY NO. 4.**

NAME.	BORN.	RANK.	OCCUPATION.	RESIDENCE.
John Gillooly,	June 9, 1856,	Acting Captain,	Fireman,	Winslow ave.
Danforth S. Steele,	Sept. 9, 1850,	Lieutenant,	Fireman,	Leslie pl.
Lindorf D. Bixby,	Jan. 31, 1841,	Engineer,	Fireman,	Highland ave.
Samuel H. Stevens,	May 18, 1842,	Act. Asst. Engin'r,	Fireman,	Highland ave.
Charles H. Stearns,	Dec. 7, 1854,	Driver,	Fireman,	Highland ave.
Arthur M. Gilman,	Aug. 19, 1866,	Driver,	Fireman,	College ave.
Eugene H. Jones,	June 17, 1864,	Hoseman,	Lineman,	Chandler st.
John F. Burton,	Feb. 14, 1857,	Hoseman,	Painter,	College ave.
James I. King,	March 30, 1865,	Hoseman,	Painter,	Elm ct.
John A. Sander,	April 28, 1868,	Hoseman,	Teamster,	Elm ct.
George C. Creighton,	Sept. 18, 1865,	Hoseman,	Type Founder,	Cutter ave.
John B. Rufer,	March 16, 1869,	Hoseman,	Blacksmith,	Highland ave.
George F. Bixby,	March 27, 1869,	Hoseman,	Salesman,	Highland ave.
George H. Moore,	June 20, 1871,	Hoseman,	Cigar Dealer,	Wallace st.

**HOSE COMPANY NO. 2.**

NAME.	BORN.	RANK.	OCCUPATION.	RESIDENCE.
Francis W. Ring,	Aug. 7, 1854,	Captain,	Teamster,	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,	Derby st.
Harry V. Spike,	Aug. 2, 1873,	Hoseman,	Teamster,	Sargent ave.
Charles A. Woodbury,	Jan. 31, 1858,	Hoseman,	Foreman,	Sargent ave.
Frederic E. Cushing,	Dec. 20, 1845,	Hoseman,	Painter,	Marshall st.

**HOSE COMPANY NO. 3.**

NAME.	BORN.	RANK.	OCCUPATION.	RESIDENCE.
Benjamin H. Pond,	Oct. 25, 1867,	Captain,	Fireman,	Bonner ave.
Frank L. Draper,	July 31, 1852,	Lieutenant,	Fireman,	Somerville ave.
Henry J. Turner,	Feb. 2, 1864.	Driver,	Fireman,	Chester ave.
Francis S. Brown,	Feb. 4, 1845,	Hoseman,	Watchman,	Columbus ave.
Thomas W. Joy,	Feb. 22, 1856,	Hoseman,	Cooper,	Bow-st. pl.
John H. Cuddy,	July 5, 1852,	Hoseman,	Park Police,	Church st.
Alfred R. Higgins,	Feb. 25, 1849,	Hoseman,	Park Police,	Prospect st.
Edward A. Parker,	Oct. 29, 1851,	Hoseman,	Park Police,	Oxford st.
Lyle Sterling,	Feb. 28, 1867,	Hoseman,	Horse Trainer,	Lake st.

**HOSE COMPANY NO. 5.**

NAME.	BORN.	RANK.	OCCUPATION.	RESIDENCE.
Edwin F. Trefren,	March 28, 1858,	Captain,	Fireman,	Somerville ave.
William J. Blaisdell,	May 16, 1846,	Lieutenant,	Painter,	Quincy st.
Martin E. Driscoll,	Dec. 21, 1872,	Hoseman,	Painter,	Somerville ave.
Horace L. Dunklee,	Dec. 12, 1854,	Hoseman,	Tinsmith,	Somerville ave.
George R. Green,	Feb. 27, 1866,	Hoseman,	Florist,	Belmont st.
Michael H. Kennedy,	July 14, 1873,	Hoseman,	Laborer,	Somerville ave.
Otto T. Teakles,	March 22, 1871,	Hoseman,	Plasterer,	Belmont st.
Daniel W. McDermott,	March 14, 1846,	Hoseman,	Painter,	Somerville ave.

**HOSE AND CHEMICAL COMPANY NO. 6.**

NAME.	BORN.	RANK.	OCCUPATION.	RESIDENCE.
Joseph A. Cribby,	Aug. 22, 1864,	Captain,	Fireman,	Thorp pl.
George W. Bridges,	March 22, 1876,	Lieut. and Driver,	Fireman,	Westminster st.
Frank M. Ott,	Dec. 19, 1876,	Hoseman,	Light Trimmer,	Rogers ave.
Walter M. Brown,	Sept. 6, 1863,	Hoseman,	Milkman,	Hawthorne st.
Elmer C. Shiere,	Apr. 29, 1878,	Hoseman,	Clerk,	Elm st.
Frederick C. Hathaway,	Feb. 11, 1876,	Hoseman,	Laundryman,	Elm st.
Charles H. Bridges,	Nov. 28, 1848,	Hoseman,	Machinist,	Westminster st.

**HOSE AND CHEMICAL COMPANY NO. 7.**

NAME.	BORN.	RANK.	OCCUPATION.	RESIDENCE.
Jesse A. Lipsett,	Sept. 3, 1865.	Lieutenant,	Fireman,	Thorp pl.
Fred W. Merrill,	Sept. 18, 1867,	Operator,	Fireman,	Hudson st.
Harry G. White,	June 14, 1870,	Hoseman,	Electrician,	Hudson st.
Charles W. Hughes,	March 26, 1876,	Hoseman,	Painter,	Highland ave.
Wm. E. Bucknam,	Oct. 12, 1870,	Hoseman,	Mason,	Hudson st.
Fred L. Jansen,	July 2, 1872,	Hoseman,	Painter,	Highland ave.

This company went into service December 24, 1900.

**CHEMICAL ENGINE COMPANY A.**

NAME.	BORN.	RANK.	OCCUPATION.	RESIDENCE.
Wilfred Young,	Aug. 7, 1874,	Lieutenant,	Fireman,	Highland ave.
John T. Coneeny,	Nov. 2, 1876,	Operator,	Fireman,	Aldrich st.
Charles H. Timson,	May 27, 1861,	Driver,	Fireman,	Medford st.

**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. Fallon,	March 3, 1860,	Ladderman,	Laborer,	School st.
James D. Perkins,	Nov. 25, 1860,	Ladderman,	Paperhanger,	Concord ave.
Martin S. Lacy,	Oct. 18, 1863,	Ladderman,	Painter,	Somerville ave.
George A. Page,	Aug. 19 1853,	Ladderman,	Laborer,	Webster ave.
James E. Thompson,	Sept. 1, 1869,	Ladderman,	Laborer,	Broadway.
John H. Ford,	July 16, 1859,	Ladderman,	Painter,	Oak st.
Robert W. Jesson,	May 10, 1873,	Ladderman,	Teamster,	Putnam 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.
Thomas McNee,	Nov. 14, 1857,	Ladderman,	Roofer,	Hersey st.
Clarence T. Conant,	Dec. 10, 1866,	Ladderman,	Salesman,	Hudson st.
William J. Kennedy,	March 19, 1865,	Ladderman,	Plumber,	Alpine st.
LeBaron Emery,	May 11, 1866,	Ladderman,	Painter,	Alpine st.
John H. Givan,	June 9, 1865,	Ladderman,	Grocer,	Crocker st.
George F. Hughes,	Oct. 6, 1852,	Ladderman,	Painter,	Highland ave.
Abner Peterson,	Feb. 23, 1879,	Ladderman,	Salesman,	Porter st.
Laughlin Black,	Oct. 12, 1870,	Ladderman,	Painter,	Cedar st.

**RELIEF DRIVER:**

George R. Dale; born, Jan. 22, 1871; residence, 25 Newbury st.

## IN MEMORIAM.

JOSEPH W. HAYDEN.

February 25, 1862—July 12, 1900.

Joseph W. Hayden, hoseman of engine No. 1, was burned to death at the oil car fire on the Boston & Maine railroad, July 12, 1900. Mr. Hayden was a man held in high esteem by all the department members, especially by the members of his own company. His open, frank, honest nature made him a favorite with all who knew him. He was the only member of the department killed in service during my term as chief. It is a great satisfaction to me that I did not order him to go to the place where he lost his life. He went there to assist the railroad employees, having been formerly employed with them for a number of years, and possessed a thorough knowledge of the business. Great, big-hearted fellow that he was, he could not for a moment hesitate to lend a helping hand to assist his old comrades and fellow workmen,— that was Joe Hayden, who lost his life while assisting others.

DAVID A. SANBORN.

April 21, 1828—September 11, 1900.

David A. Sanborn, for many years an active member of the Somerville Fire Department, and its chief from 1865 to 1872, died at his residence, 35 Prospect street, September 11, 1900.

Captain Sanborn was an enthusiastic and intelligent fireman, and took a deep interest in the department. During his administration the department was changed from one hand engine company to a steam fire engine, three hose companies, and a ladder company; the old central station on Central hill was built, the department completely reorganized and the foundation of the present department laid. He originated and organized the Firemen's Relief Association, and was its president for the first three years, and subsequently vice-president from 1877 to 1889, and its treasurer from 1889 to 1899.

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**Fire Department Account.**

## CREDIT.

Appropriation . . . . .	\$58,000 00
Receipts:—	
Board of 2 horses, used in the Electrical Department . . . . .	312 00
	<hr/>
Total credit . . . . .	\$58,312 00

## DEBIT.

Expenditures:—	
For salaries of permanent men and substitute drivers . . . . .	\$33,878 42
Salaries of call men . . . . .	12,980 63
Improvements and repairs of apparatus and vehicles . . . . .	1,491 89
Hay and straw . . . . .	2,358 10
Grain and feed . . . . .	1,010 41
Horseshoeing . . . . .	861 25
Horse medicine and doctoring . . . . .	164 50
Harnesses and repairing same . . . . .	278 53
Hose and repairing same . . . . .	1,981 02
Washing and ironing . . . . .	371 02
Ice . . . . .	72 06
Fire extinguishers . . . . .	104 90
Telephones . . . . .	213 56
Supplies . . . . .	447 44
Incidentals . . . . .	1,011 02
	<hr/>
Total debit . . . . .	57,224 75
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Balance unexpended . . . . .	\$1,087 25
	<hr/> <hr/>

**Fire Department, Fire Apparatus for Ladder Two Station.**

## CREDIT.

Appropriation . . . . .	\$3,000 00
Transfer from Fire Station, Clarendon Hill . . . . .	32 72
	<hr/>
Total credit . . . . .	\$3,032 72

## DEBIT

Expenditures:—	
Charles T. Holloway & Co., chemical and hose wagon . . . . .	\$1,950 00
Welch & Hall, 2 horses . . . . .	335 00
D. J. Bennett, harnesses . . . . .	50 00
Henry K. Barnes, hose . . . . .	652 00
Incidentals . . . . .	43 00
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Total debit . . . . .	3,030 00
	<hr/>
Balance unexpended . . . . .	\$2 72
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**Fire Department, Fire Station No. One.**

## CREDIT.

Appropriation . . . . .	\$1,000 00
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## DEBIT.

## Expenditures:—

Trustees of Mt. Benedict Land Co., 937 feet of land in rear of Fire Station No 1, at \$.75 per foot . . . . .	702 75
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Balance unexpended . . . . .	<u>\$297 25</u>
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Respectfully submitted,

JAMES R. HOPKINS,

Chief Engineer.







POLICE STATION, BOW STREET, 1874.

## REPORT OF THE CHIEF OF POLICE.

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OFFICE OF THE CHIEF OF POLICE, }  
January 7, 1901.

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

Gentlemen,—Herewith I respectfully submit a report of the important work of the police department for the year ending December 31, 1900, with some recommendations and suggestions, which I deem necessary for the successful and economical management of this branch of the public service in the future.

The following roster of the department gives some information which may be of interest to you in considering some of the recommendations:—

### Roster.

#### CHIEF.

Melville C. Parkhurst, appointed patrolman May 29, 1868, promoted to captain April 4, 1870, and to chief January, 1872; born April 26, 1842.

#### CAPTAIN.

Robert R. Perry, appointed patrolman September 6, 1867, promoted to captain February 1, 1873; born August 16, 1842.

#### SERGEANTS.

Edward McGarr, appointed patrolman March 1, 1871, promoted to sergeant September 1, 1884; born February 13, 1837.

Christopher C. Cavanagh, appointed patrolman June 1, 1869, promoted to sergeant August 10, 1885; born September 6, 1838.

Dennis Kelley, appointed patrolman April 20, 1881, promoted to sergeant May 10, 1892; born July 5, 1845.

Eugene A. Carter, appointed patrolman April 1, 1884, promoted to sergeant February 10, 1893; born September 20, 1860.

Charles E. Woodman, appointed patrolman February 8, 1888, promoted to sergeant October 20, 1899; born November 19, 1858.

#### PATROLMEN.

Phineas W. Skinner, appointed July 23, 1872; born April 24, 1843.

John Hafford, appointed January 3, 1873; born November 13, 1845.

Albion L. Staples, appointed January 10, 1875; born September 14, 1837.

George W. Bean, appointed January 10, 1875; born January 7, 1839.

John E. Fuller, appointed January 10, 1875; born February 11, 1844.

George H. Carleton, appointed January 9, 1883; born May 2, 1853.

Edward M. Carter, appointed April 15, 1883; born October 20, 1856.

George L. Smith, appointed November 19, 1883; born November 22, 1855.  
 Francis A. Perkins, appointed December 18, 1886; born April 14, 1854.  
 William H. Johnston, appointed February 13, 1887; born June 29, 1863.  
 Charles S. Thrasher, appointed February 23, 1887; born December 5, 1859.  
 Arthur E. Keating, appointed January 16, 1889; born September 27, 1862.  
 John G. Knight, appointed May 8, 1889; born April 18, 1863.  
 Jacob W. Skinner, appointed October 23, 1889; born November 30, 1854.  
 Theodore E. Heron, appointed March 26, 1890; born May 10, 1861.  
 David A. Bolton, appointed November 13, 1891; born March 28, 1868.  
 James M. Harmon, appointed May 11, 1892; born December 14, 1860.  
 Michael T. Kennedy, appointed May 11, 1892; born October 25, 1860.  
 Ira S. Carlton, appointed May 11, 1892; born June 15, 1864.  
 Ulysses G. Skinner, appointed May 11, 1892; born December 11, 1865.  
 Charles W. Stevens, appointed May 11, 1892; born September 1, 1857.  
 Ezra A. Dodge, appointed May 11, 1892; born August 31, 1859.  
 Eugene H. Gammon, appointed May 11, 1892; born January 28, 1854.  
 James J. Pollard, appointed February 23, 1893; born October 23, 1861.  
 Daniel G. Simons, appointed February 23, 1893; born October 10, 1868.  
 Samuel Burns, appointed April 25, 1894; born April 4, 1867.  
 Frederic H. Googins, appointed April 25, 1894; born August 28, 1860.  
 Jotham Chisholm, appointed May 9, 1894; born October 24, 1858.  
 William J. Davidson, appointed June 12, 1895; born November 30, 1866.  
 Elmer E. Drew, appointed July 24, 1895; born December 17, 1861.  
 John A. Dadmun, appointed June 10, 1896; born April 26, 1866.  
 Eugene A. Woodsum, appointed March 10, 1897; born July 6, 1863.  
 George L. Rice, appointed July 28, 1897; born August 17, 1863.  
 Myron S. Gott, appointed May 22, 1900; born January 6, 1866.  
 John A. Ray, appointed May 22, 1900; born November 8, 1872.  
 Herbert Hilton, appointed May 22, 1900; born December 7, 1866.  
 Charles W. Rieck, appointed May 22, 1900; born November 15, 1864.

### Reserve Police.

The following Acts and Orders are self-explanatory:—

[Acts and Resolves of Massachusetts, 1895, Chap. 197.]

An Act to provide for the appointment of a reserve police force in the City of Somerville.

Section 1. The Mayor and Aldermen of the city of Somerville may, from time to time, and under such rules as the civil service commissioners of the Commonwealth prescribe, appoint suitable persons to constitute a reserve police force for said city, who shall at no time exceed ten in number, and who shall be subject to such rules and regulations as the Mayor and Aldermen may from time to time prescribe, and who may be removed by the Mayor and Aldermen for any reason satisfactory to them. Said Mayor and Aldermen may assign the members of said reserve police force to duty in said city whenever and for such time as they shall deem necessary, and when on duty they shall have and exercise all the powers and duties of the police of said city.

Section 2. All appointments upon the regular police force of said city shall be made from the reserve police force, under such rules as the civil service commissioners of the Commonwealth may prescribe; and service on the reserve police force for not less than six months shall be deemed to be equivalent to the probationary period now required by the rules of said Commissioners.

Section 3. The members of the reserve police force shall be paid when on duty such compensation as the City Council may from time to time, by concurrent vote, prescribe.

Section 4. This act shall take effect upon its passage.  
 Approved March 30, 1895.

## CITY OF SOMERVILLE.

IN BOARD OF MAYOR AND ALDERMEN, }  
 May 22, 1895. }

Ordered: In pursuance of the authority conferred by Chapter 197 of the Acts of the Legislature of 1895, that the reserve police force, as therein provided for, shall, until the number shall be further increased by order of this board, consist of eight men, to be forthwith nominated by the Mayor, and appointed by this board, and all vacancies to be filled in like manner, when they shall occur; that such reserve police force is hereby assigned to duty in this city, but the members thereof shall only be paid for the time during which they respectively shall actually be employed in active service under the orders of the Chief of Police, as hereinafter provided; that such reserve police force, as to the wearing of badges and uniforms and the carrying of weapons and equipments and otherwise, shall be subject to the ordinances of the city in regard to the Police Department, and the rules and regulations of the Mayor and Aldermen for the government, disposition, and management of the police, so far as said ordinances, rules, and regulations shall be applicable to such reserve police force; that each member of said reserve police force shall be provided with the articles and equipments required by section thirteen of chapter eighteen of the ordinances of the city to be furnished to police officers, and is authorized to carry such weapons and equipments; that each member of said reserve police force shall report to the Chief of Police for active duty, when and for such time as the Chief of Police shall notify such member that his services are so required, and shall not be required to devote his time to the service of the Police Department, except when required by the Chief of Police, as aforesaid.

In Board of Aldermen, May 22, 1895. Read twice and adopted.

GEORGE I. VINCENT,

Clerk.

Approved May 22, 1895.

WILLIAM H. HODGKINS,

Mayor.

## ROSTER OF RESERVE POLICE FORCE.

Charles E. Byrnes, appointed April 3, 1899; born September 4, 1867.  
 Thomas Damery, appointed April 3, 1899; born August 24, 1872.  
 Frank C. Hopkins, appointed April 3, 1899; born May 30, 1869.  
 Clifford B. True, appointed October 11, 1899; born August 27, 1867.  
 Hudson M. Howe, appointed March 22, 1900; born October 25, 1862.  
 Charles W. Allen, appointed March 22, 1900; born June 3, 1869.  
 Frederic J. Balcom, appointed March 22, 1900; born October 31, 1866.  
 Ernest S. Goff, appointed March 22, 1900; born May 26, 1866.

**Patrol.**

The street patrol force is divided into three divisions, one day division of thirteen men, and two night divisions of fifteen men each, with time of service arranged to cover the twenty-four hours of the day.

## Arrests.

The following is a comparative table of arrests made for the offences named during the last five years:—

OFFENCE.	1896.	1897.	1898.	1899.	1900.
Abandoning child . . . . .	..	..	..	1	..
Abortion . . . . .	..	..	..	1	..
Arson . . . . .	..	..	..	1	1
Assault and battery . . . . .	124	97	113	126	115
Assault felonious . . . . .	3	6	3	7	6
Bastardy . . . . .	8	5	5	10	9
Breaking and entering . . . . .	25	22	41	29	29
Common railer and brawler . . . . .	..	1	..	1	1
Contempt of court . . . . .	2	1	2	..	2
Crime against nature . . . . .	1	1	..	..	..
Cruelty to animals . . . . .	11	2	2	2	..
Defrauding innholder . . . . .	2	..	..	..	..
Disturbing the peace . . . . .	26	34	17	13	16
Drunkenness . . . . .	1,148	1,036	823	846	771
Eavesdropping . . . . .	1	1	..	..	..
Evading railroad fare . . . . .	5	2	2	3	..
Embezzlement . . . . .	6	8	7	8	..
Forgery . . . . .	..	4	1	3	..
Fraud . . . . .	2	7	6	4	3
Having concealed weapons . . . . .	1	..	..	..	..
Keeping unlicensed dog . . . . .	..	..	..	1	4
Keeping milk below standard . . . . .	..	..	..	..	2
Keeping common gambling joint . . . . .	..	..	..	..	1
Keeping horse with glanders . . . . .	..	..	..	..	2
Kidnapping child . . . . .	..	..	..	..	3
Larceny . . . . .	63	72	74	68	112
Lewdness . . . . .	..	3	3	8	4
Malicious mischief . . . . .	25	13	6	30	22
Murder . . . . .	1	..	..	1	..
Neglected children . . . . .	2	9	18	11	3
Neglect to support family . . . . .	11	14	6	12	21
Peddling without license . . . . .	36	23	28	17	27
Present where gaming implements were found . . . . .	..	..	..	..	15
Receiving stolen property . . . . .	3	3	3	1	3
Selling milk below standard . . . . .	..	1	..	..	..
Selling adulterated food . . . . .	..	..	..	7	14
Stubbornness . . . . .	3	4	10	5	12
Threats . . . . .	11	4	4	4	5
Trading in registered bottles . . . . .	..	..	3	3	..
Unlawful use of registered bottles . . . . .	..	..	..	..	21
Violation of city ordinance . . . . .	29	38	49	36	80
Violation of caucus laws . . . . .	..	..	..	2	..
Violation health laws . . . . .	..	..	1	..	3
Violation liquor laws . . . . .	33	16	8	13	7
Violation Lord's Day . . . . .	30	22	10	33	27
Vagrancy . . . . .	13	28	24	15	22
Willful trespass . . . . .	5	7	17	14	65
Walking on railroad track . . . . .	6	11	13	13	75
Total . . . . .	1,641	1,555	1,299	1,349	1,503

The population of Somerville has increased in the last five years 9,443.

There were one hundred and ten more arrests for the last two named offences on the table this year than any previous year, which accounts for the great increase in the aggregate over the last two years.

#### Miscellaneous Work.

Alarms given for fire . . . . .	3
Buildings found open and secured . . . . .	441
Disturbances suppressed . . . . .	15
Defective streets reported . . . . .	1,453
Fires extinguished without an alarm . . . . .	2
Insane persons committed . . . . .	40
Larcenies reported . . . . .	340
Amount reported stolen . . . . .	\$8,078.45
Amount recovered . . . . .	2,078.36
Obstructions in streets reported . . . . .	236
Street lights reported not lighting . . . . .	8,992
Water pipes reported dangerous . . . . .	64

#### Police Signal and Patrol Wagon.

Number of on duty reports . . . . .	176,846
Number of runs with wagon . . . . .	986
Number of prisoners conveyed to station . . . . .	1,134
Number of miles run with wagon . . . . .	1,627½
Number of telephone calls . . . . .	14,827

#### Ambulance Service.

	1896	1897	1898	1899	1900
Number of persons carried . . . . .	131	161	191	212	269

#### Gaming and Sale of Liquors.

Of the enforcement of the laws relative to gaming and the sale of intoxicating liquors,—

Five years ago, on February 10, 1896, I detailed two officers to devote their entire efforts toward the detection of violators of the laws relating to gaming and the sale of intoxicating liquors, and they have with good success continued such duties to date. While it is the duty of every officer in this department to enforce these particular laws, there are times when the officers assigned to regular routes and regular hours, and in full uniform, are placed at a disadvantage, and an artful violator of liquor laws finds time to replenish and hide his stock of liquors while the officer is on another part of his route. These two officers, not in uniform, have watched by night, at times, as well as by day, not only the stores and kitchen barrooms where suspicion attracted them, but the liquor expressmen, also, and I can say sincerely

that during the last year, 1900, I believe less intoxicating liquors have been sold illegally in this city than during any one year since it became a city. The table of arrests shows the number of prosecutions for violating the above laws during the last five years.

### **Recommendations and Suggestions.**

I would respectfully recommend that the number of the force be increased by the appointment of three new patrolmen, which would make the force number fifty-five officers. By increasing the force enough each year to keep pace with the increase in population, a force will be maintained sufficient to prevent the commission of serious crimes. This seems safer, better, and more economical than to risk the possibility of having to double the force for the apprehension of criminals after crimes have been committed.

I would also recommend that larger and more suitable quarters be provided for the use of the department's officers and men in the way of sleeping rooms and closets. I have contemplated for some time arranging a system whereby the night men when not on street duty could be kept at the station during certain hours, and, so assembled, could be dispatched upon short notice to any part of the city, leaving the regular patrolmen on their routes. This system is in operation in Boston and other cities, and will, when established in this city, greatly increase the efficiency of the night force.

### **In General.**

By referring to the foregoing roster of police officers of this city, it will be seen that nine of them have served more than twenty-five years. Four of them are over sixty years old; but the Acts and Laws of this Commonwealth authorizing the pensioning of such officers and placing them upon a retired list only apply to cities of over seventy-five thousand population. I would earnestly request that some action be taken by the Board of Aldermen, in the near future, for the passage of a general law authorizing cities of over sixty thousand population to appropriate money for such purpose. The age and number of years of service are not the only reasons why some of these men should be retired. Some of them are veterans of the civil war, and have wounds received in battle, which, with age, incapacitate them for police service; others, while doing their duty, have received hard knocks from the hands of criminals, and should be retired upon a small, but living, pension. This would make room for younger and more active men, and keep the efficiency of the force up to standard, without increasing the number.



To the Honorable Mayor George O. Proctor, the Board of Aldermen, and to the heads of the several departments of the city, I want to express my appreciation and heartfelt thanks for the universal support and the aid given me and my department during the past year.

To the officers and men of this department I extend my sincere thanks for their faithful services and their co-operation in all the important duties devolving upon us as police officers and public servants.

Respectfully submitted,

MELVILLE C. PARKHURST,  
Chief of Police.

# REPORT OF SEALER OF WEIGHTS AND MEASURES.

OFFICE OF SEALER OF WEIGHTS AND MEASURES, }  
 42 SARGENT AVENUE, SOMERVILLE, }  
 January 1, 1901. }

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, 1900, is respectfully submitted:—

The work done in the office was as follows:—

Number of weights and measures tested and sealed:—

Scales . . . . .	258	
Weights . . . . .	199	
Dry measures . . . . .	535	
Liquid measures . . . . .	33,505	
Yardsticks . . . . .	3	
Coal baskets . . . . .	25	
		34,525

Number of weights and measures adjusted and sealed:—

Scales . . . . .	34	
Weights . . . . .	17	
Dry measures . . . . .	5	
Liquid measures . . . . .	6	
		62

Number of scales tagged for repairs:—

Scales tagged . . . . .	14	
Scales repaired as ordered and sealed . . . . .	11	
		25

Number of weights and measures tested and condemned:—

Scales . . . . .	7	
Dry measures . . . . .	9	
Liquid measures . . . . .	1,944	
Coal baskets . . . . .	1	
		1,961

Whole number at office . . . . . 36,573

The work done on the streets and in stores was as follows:—

Number of weights and measures tested and sealed:—

Scales . . . . .	926	
Weights . . . . .	3,182	
Dry measures . . . . .	1,046	
Liquid measures . . . . .	2,519	
Yardsticks . . . . .	89	
Coal baskets . . . . .	52	
		7,814

Number carried forward . . . . . 7,814

Number brought forward . . . . .		7,814
Number adjusted and sealed:—		
Scales . . . . .	37	
Weights . . . . .	25	
	<hr/>	62
Number of scales tagged for repairs:—		
Scales tagged . . . . .	13	
Scales repaired as ordered and afterwards sealed . . . . .	7	
	<hr/>	20
Number of weights and measures tested and condemned:—		
Scales . . . . .	7	
Weights . . . . .	8	
Dry measures . . . . .	54	
Liquid measures . . . . .	62	
Yardsticks . . . . .	2	
Coal baskets . . . . .	8	
	<hr/>	141
Whole number outside of office . . . . .		8,037
Total . . . . .		<hr/> 44,610

The whole amount of work done, both in and out of the office, was as follows:—

Weights and measures sealed:—		
Scales . . . . .	1,184	
Weights . . . . .	3,364	
Dry measures . . . . .	1,581	
Liquid measures . . . . .	36,041	
Yardsticks . . . . .	92	
Coal baskets . . . . .	77	
	<hr/>	42,339
Adjusted and sealed:—		
Scales . . . . .	71	
Weights . . . . .	42	
Dry measures . . . . .	5	
Liquid measures . . . . .	6	
	<hr/>	124
Tagged for repairs:—		
Scales tagged . . . . .	27	
Scales repaired and sealed . . . . .	18	
	<hr/>	45
Condemned:—		
Scales . . . . .	14	
Weights . . . . .	8	
Dry measures . . . . .	63	
Liquid measures . . . . .	2,006	
Yardsticks . . . . .	2	
Coal baskets . . . . .	9	
	<hr/>	2,102
Total . . . . .		<hr/> 44,610

Section 12, Chapter 65, of the Public Statutes provides that the Sealer of Weights and Measures shall annually give public notice, by advertisement, or by posting notices in one or more public places, to all inhabitants or persons having usual places of business therein, who use weights, measures, or balances for the

purpose of selling any goods, wares, merchandise, or other commodities, or for public weighing, to bring in their weights, measures, and balances to be adjusted and sealed. Section 23 of the same chapter provides that in cities and towns where a salary is paid to the sealer of weights and measure no fees shall be charged for such services when the articles to be sealed are brought to the office of the sealer.

In compliance with the foregoing section, the customary notice was given through the local papers in March.

Section 13 of said Chapter 65 of the Public Statutes provides that, after giving said notice, the Sealer of Weights and Measures shall go to the houses, stores, and shops of persons who neglect to comply therewith, and, having entered the same, with the consent of the occupants thereof, shall adjust and seal their weights, measures, and balances. The fees to be collected in such cases are specified in Section 22 of the same chapter.

The schedule of fees for work done outside of the office is as follows:—

Platform balance of 5,000 pounds capacity and upwards . . .	\$1 00
Platform balance of less than 5,000 pounds capacity . . .	50
All other scales, each . . . . .	03
Weights and liquid measures, yardsticks, coal baskets, each . . .	03

In June, July, August, September, and October, the sealer visited all places in the city (about 500) 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. A great many were adjusted before sealing, and some were tagged for repairs.

The expenditures for the year 1900 were as follows:—

Printing, book, postage . . . . .	\$32 00	
Tools and supplies . . . . .	43 10	
Team and helper . . . . .	161 50	
Salary . . . . .	800 00	
	<hr/>	\$1,036 60

Fees were received and paid to the treasurer as follows:—

Fees for sealing . . . . .	\$325 84	
Fees for adjusting . . . . .	3 90	
	<hr/>	329 74
Net expense to city . . . . .		\$706 86

JOHN H. DUSSEAULT,  
Sealer of Weights and Measures.

## REPORT OF THE CITY SOLICITOR.

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SOMERVILLE, January 23, 1901.

To His Honor, the Mayor, and the Board of Aldermen:—

Gentlemen,—The following is my report as City Solicitor for the year 1900:—

There have been about the usual number of cases in court. Several claims for highway accidents have been settled out of court; one case was tried in which a verdict was given against the city for \$1,000, for the payment of which the city will probably be reimbursed; in another a verdict was given for \$450, being \$200 less than the case could have been settled for; another was disposed of without trial and without any payment by the city. A suit pending for several years on claims for extra work and materials, and for the balance due under the contract for the construction of the storm water drain in the "Tannery brook valley district" in West Somerville, was settled with an assignee of the contractor, and a bond with a satisfactory surety was taken for the protection of the city. The trustees of Tufts College have brought suit for the recovery of taxes assessed in the year 1899, and it is likely that proceedings will be taken by the college in regard to the taxes assessed in the year 1900. Petitions for the abolition of grade crossings at Somerville avenue, Medford street, Webster avenue, Dane street, and Park street, now pending in the superior court, have been amended by making the New York Central & Hudson River Railroad Company and the Boston & Maine Railroad parties defendant. Co-operation with the city government of Cambridge in regard to these petitions seems desirable, owing to the fact that the railroad tracks at Medford street are near the Cambridge line, and the fact that the tracks of the Boston & Albany Railroad Company across Somerville avenue extend through Cambridge and across several of the most important streets in that city.

Two acts were secured from the legislature in regard to the laying out of parks on Prospect hill and Winter hill. Other legislative matters attended to in which the city was interested included bills relating to blasting in West Somerville, a new bridge over the Mystic river at Middlesex avenue, and a change of the law in regard to street railways.

The apportionment of the expenses of the Metropolitan park district was taken up before a special commission, under whose report the city is called upon to pay considerably less than

by the apportionment made five years ago, which was afterward set aside by the legislature. The validity of the report has recently been argued before the full bench of the supreme court.

Many questions have arisen under the new charter, in the settlement of which help has been received from decisions of our courts arising under similar charters of other cities. The ordinances have been revised, most of the detail work falling upon the city clerk and the city solicitor.

Titles to various parcels of land purchased for schoolhouse and other purposes have been examined. A conveyance of land was obtained from the Metropolitan water board completing the course of the parkway in West Somerville.

For the first time a surety company has been accepted as surety on the treasurer's bond, it being without conditions except those which are stated in the bond itself. In consequence of the resignation of the treasurer and collector of taxes and the election of another in his place, new warrants were issued for the collection of all unpaid taxes.

Among the more important special contracts made during the year were one for the construction of a bridge at Boston avenue over the Mystic river, and one with the Somerville Electric Light Company to continue for six years.

Very respectfully,

FRANK W. KAAAN,

City Solicitor.

## REPORT OF THE CITY CLERK.

OFFICE OF THE CITY CLERK, }  
January 23, 1901. }

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

Gentlemen,—The following is respectfully submitted as the twenty-ninth annual report of the City Clerk of the city of Somerville, and is for the year ending December 31, 1900:—

The receipts and payments were as follows:—

### Receipts.

Balance from year 1899, being for dog licenses issued in December, 1899:—		
9 males at \$2.00 . . . . .	\$18 00	
2 females at \$5.00 . . . . .	10 00	
	\$28 00	
Less city clerk's fees paid to the city treasurer in December, 1899, 11 at \$.20	2 20	
	\$25 80	
For dog licenses issued in 1900:—		
1,237 males at \$2.00 . . . . .	\$2,474 00	
181 females at \$5.00 . . . . .	905 00	
4 spayed at \$2.00 . . . . .	8 00	
	3,387 00	
Recording mortgages, assignments, etc., 673 papers . . . . .	\$403 00	
Certificates of marriage intentions, including 2 duplicates, 639 at \$.50 . . . . .	320 50	
Furnishing copies of records . . . . .	32 75	
For naturalization fee . . . . .	50	
Licenses:—		
To collect junk, 18 at \$2.00, 7 at \$25.00 . . . . .	211 00	
For intelligence offices, 8 at \$2.00 . . . . .	16 00	
For billiard and pool tables and bowling alleys, 12 licenses, for 38 tables and 6 alleys, at \$2.00 . . . . .	88 00	
For recording and issuing liquor licenses, 24 at \$1.00 . . . . .	24 00	
To private detectives, 3 at \$10.00 . . . . .	30 00	
To auctioneers, 22 at \$2.00 . . . . .	44 00	
To sell fireworks, 62 at \$1.00 . . . . .	62 00	
For amusements, 42 at \$1.00 . . . . .	42 00	
To street musicians, 32 persons at \$.50 . . . . .	16 00	
To slaughter cattle, 3 at \$1.00 . . . . .	3 00	
	1,292 75	
Total receipts . . . . .	\$4,705 55	
Amount carried forward . . . . .	\$4,705 55	

Amount brought forward . . . . .	\$4,705 55
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**Payments.**

To Joseph O. Hayden, county treasurer, June 1 and December 1, receipts for dog licenses from December 1, 1899, to November 30, 1900, both inclu- sive:—			
1,240 males at \$2.00 . . . . .		\$2,480 00	
181 females at \$5.00 . . . . .		905 00	
4 spayed at \$2.00 . . . . .		8 00	
		\$3,393 00	
Less city clerk's fees, 1,425 at \$.20 . . . . .		285 00	\$3,108 00
To the city treasurer, monthly:—			
City clerk's fees for issuing and recording dog licenses, 1,422 at \$.20 . . . . .		\$284 40	
All the receipts above specified, except for dog licenses . . . . .		1,292 75	
		1,577 15	
Total payments . . . . .			\$4,685 15
Balance January 1, 1901, being for dog li- censes issued in December:—			
6 males at \$2.00 . . . . .		\$12 00	
2 females at \$5.00 . . . . .		10 00	
		\$22 00	
Less city clerk's fees paid to city treas- urer, 8 at \$.20 . . . . .		1 60	\$20 40

**Births.**

Number of births in Somerville in 1900 registered . . . . .	1,495
Less than previous year . . . . .	14
	1,495
Males . . . . .	782
Females . . . . .	713
	1,495
Born of American parents . . . . .	515
Born of foreign parents . . . . .	649
Born of American father and foreign mother . . . . .	162
Born of foreign father and American mother . . . . .	155
Born of American mother and father of unknown nationality . . . . .	9
Born of foreign mother and father of unknown nationality . . . . .	5
	1,495
Number of cases of twins . . . . .	13

Twelve hundred and ninety-four of the births registered were reported by physicians and midwives. The canvassers verified 869 of these reports, and obtained 650 others. Of this latter number, several are included in the number reported by physicians, but their reports of these cases were not received in season to be given to the canvassers for verification. Many of the families in which occurred the births reported by physicians moved during the year, and therefore were not reached by the



canvassers. This fact, which is true of the births of every year, emphasizes the importance of the physicians' reports.

### Marriages.

Number of intention certificates issued in 1900 . . . . .		639
More than previous year . . . . .		39
Marriages registered . . . . .		687
More than previous year . . . . .		60
Both parties American . . . . .	312	
Both parties foreign . . . . .	211	
American groom and foreign bride . . . . .	82	
Foreign groom and American bride . . . . .	82	
	<hr/>	687 couples
First marriage of . . . . .	1,207	
Second marriage of . . . . .	160	
Third marriage of . . . . .	7	
	<hr/>	687 couples

### Deaths.

Number of deaths in Somerville in 1900 . . . . .		967
More than previous year . . . . .		166
Males . . . . .	472	
Females . . . . .	495	
	<hr/>	967
Under 10 years of age . . . . .	353	
Between 10 and 20 years of age . . . . .	41	
Between 20 and 30 years of age . . . . .	72	
Between 30 and 40 years of age . . . . .	64	
Between 40 and 50 years of age . . . . .	58	
Between 50 and 60 years of age . . . . .	91	
Between 60 and 70 years of age . . . . .	108	
Between 70 and 80 years of age . . . . .	102	
Between 80 and 90 years of age . . . . .	63	
Between 90 and 100 years of age . . . . .	14	
Over 100 years of age . . . . .	1	
	<hr/>	967
Age of oldest person deceased . . . . .	100 yrs. 5 mos. 8 days	
Born in Somerville . . . . .	322	
Born in other places in the United States . . . . .	369	
Of foreign birth . . . . .	269	
Birthplace unknown . . . . .	7	
	<hr/>	967
Number of deaths in January . . . . .	72	
“ “ February . . . . .	74	
“ “ March . . . . .	119	
“ “ April . . . . .	90	
“ “ May . . . . .	74	
“ “ June . . . . .	58	
“ “ July . . . . .	91	
“ “ August . . . . .	101	
“ “ September . . . . .	83	
“ “ October . . . . .	70	
“ “ November . . . . .	54	
“ “ December . . . . .	81	
	<hr/>	967

The number of stillbirths recorded during the year was forty-one.

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, 1900.	REGISTERED VOTERS.							
			Nov. 25, 1899.	Re- vised Lists of Aug. 1, 1900.	Added in Aug., Sept. and Oct. 1900.	Oct. 22, 1900.	Added in Nov., 1900.	Nov. 26, 1900.	Voted Nov. 6, 1900.	Voted Dec. 11, 1900.
Ward 1 . . .	Precinct 1 . . .	650	339	295	61	356	..	356	310	201
" 1 . . .	" 2 . . .	529	303	268	29	297	5	302	263	191
" 1 . . .	" 3 . . .	870	417	365	83	448	4	452	377	256
" 1 . . .	" 4 . . .	775	312	275	47	322	14	334	267	254
		2,824	1,371	1,203	220	1,423	21	1,444	1,217	902
Ward 2 . . .	Precinct 1 . . .	1,027	369	346	88	434	5	439	383	301
" 2 . . .	" 2 . . .	1,171	525	468	83	551	6	557	494	335
" 2 . . .	" 3 . . .	839	388	334	57	391	2	393	351	260
		3,037	1,282	1,148	228	1,376	13	1,389	1,228	896
Ward 3 . . .	Precinct 1 . . .	916	600	557	102	659	..	659	590	400
" 3 . . .	" 2 . . .	1,148	714	643	105	748	8	756	668	460
		2,064	1,314	1,200	207	1,407	8	1,415	1,258	860
Ward 4 . . .	Precinct 1 . . .	1,173	659	585	71	656	11	667	551	331
" 4 . . .	" 2 . . .	838	470	438	73	511	5	516	426	263
		2,011	1,129	1,023	144	1,167	16	1,183	977	594
Ward 5 . . .	Precinct 1 . . .	1,039	629	584	108	692	4	696	608	365
" 5 . . .	" 2 . . .	1,315	730	669	90	779	8	767	650	367
		2,354	1,359	1,253	198	1,451	12	1,463	1,258	732
Ward 6 . . .	Precinct 1 . . .	1,126	641	564	102	666	8	674	574	397
" 6 . . .	" 2 . . .	1,377	571	541	149	690	10	700	615	350
		2,503	1,212	1,105	251	1,356	18	1,374	1,189	747
Ward 7 . . .	Precinct 1 . . .	939	532	492	101	593	..	593	519	294
" 7 . . .	" 2 . . .	1,277	639	598	154	752	7	759	675	383
		2,216	1,171	1,090	255	1,345	7	1,352	1,194	677
City . . .		17,099	8,838	8,022	1,503	9,525	95	9,620	8,321	5,408

## Women's Voting Lists.

WARD.	PRECINCT.	Nov. 25, 1900.	Revised Lists of Aug. 1, 1900.	Added in Aug., Sept., and Oct., 1900.	October 22, 1900.	Added in Nov. 1900.	Nov. 26, 1900.	Voted Decem- ber 11, 1900.
Ward 1 . . .	Precinct 1 .	22	22	..	22	1	23	3
" 1 . . .	" 2 .	7	7	..	7	..	7	..
" 1 . . .	" 3 .	25	23	..	23	..	23	2
" 1 . . .	" 4 .	..	..	..	..	..	..	..
		54	52	0	52	1	53	5
Ward 2 . . .	Precinct 1 .	3	5	..	5	..	5	1
" 2 . . .	" 2 .	9	8	..	8	..	8	..
" 2 . . .	" 3 .	7	3	..	3	..	3	..
		19	16	0	16	0	16	1
Ward 3 . . .	Precinct 1 .	45	40	-1	39	..	39	1
" 3 . . .	" 2 .	75	69	..	69	3	72	8
		120	109	-1	108	3	111	9
Ward 4 . . .	Precinct 1 .	26	24	..	24	..	24	..
" 4 . . .	" 2 .	28	25	..	25	..	25	1
		54	49	0	49	0	49	1
Ward 5 . . .	Precinct 1 .	61	49	..	49	-1	48	3
" 5 . . .	" 2 .	39	33	1	34	..	34	4
		100	82	1	83	-1	82	7
Ward 6 . . .	Precinct 1 .	63	59	..	59	..	59	3
" 6 . . .	" 2 .	45	37	2	39	1	40	5
		108	96	2	98	1	99	8
Ward 7 . . .	Precinct 1 .	47	38	..	38	..	38	5
" 7 . . .	" 2 .	58	51	..	51	..	51	12
		105	89	0	89	0	89	17
City . . .	. . . . .	560	493	2	495	4	499	48

The following is a statement of the votes cast in the several wards of the city November 6 for the candidates of the different parties for elector (the one first named on each ticket) of President and Vice-President of the United States:—

CANDIDATE.	PARTY.	WARDS.							TOTAL.
		1	2	3	4	5	6	7	
Thomas Wentworth Higginson,	Democratic,	380	723	237	152	280	322	190	2,284
Charles S. Grieves,	Democratic								
Patrick O'Keefe,	Socialist	14	4	7	5	12	14	12	68
	Labor,	4	13	6	1	8	5	3	40
Roger Wolcott,	Republican,	711	363	883	742	872	765	919	5,255
Edward Kendall,	Prohibition,	25	9	29	26	20	20	42	171
E. Waldo Emerson,								2	2
Blank,		83	116	96	51	66	63	26	501
Whole number of ballots,		1,217	1,228	1,258	977	1,258	1,189	1,194	8,321

The following is a statement of the votes cast in the several wards of the city November 6 for Governor of the Commonwealth:—

CANDIDATE.	PARTY.	WARDS.							TOTAL.
		1	2	3	4	5	6	7	
Michael T. Berry,	Socialist Labor,	23	40	14	4	12	12	10	115
Charles H. Bradley,	Democratic Social,	17	31	13	10	13	18	17	119
W. Murray Crane,	Republican,	700	343	935	741	851	773	935	5,278
John M. Fisher,	Prohibition,	14	6	25	16	46	11	27	145
Robert Treat Paine, Jr.,	Democratic,	317	693	177	123	215	251	118	1,794
Blank,		146	215	94	83	121	124	87	870
Whole number of ballots,		1,217	1,228	1,258	977	1,258	1,189	1,194	8,321

The following is a statement of the votes cast in the several wards of the city December 11 for Mayor:—

CANDIDATE.	PARTY.	WARDS.							TOTAL.
		1	2	3	4	5	6	7	
Henry C. Brine,	Democratic,	278	533	143	70	195	150	79	1,448
Thomas C. Brophy,	Socialist Labor,	13	32	11	36	15	19	10	136
Edward Glines,	Republican,	566	301	654	450	463	539	551	3,524
Scattering votes,				3	1	2	3	1	10
Blank,		45	30	49	37	57	36	36	290
Whole number of ballots,		902	896	860	594	732	747	677	5,408

Requests are frequently received for the vote of Somerville on the question of granting licenses for the sale of intoxicating liquors, and in order that the figures may be generally available, it seems well to publish them. They are contained in the following statement, which also gives the estimated population of the city, and the number of registered voters for the several years in which the license question has been voted upon:—

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

\* Census.

Special acts of the legislature were accepted at the city election held December 11, by votes, as follows:—

Chapter 246, Acts of 1900, entitled "An Act to Authorize Cities to Pension Firemen."

Number of Yes votes . . . . .	2,785
Number of No votes . . . . .	1,375
Blank . . . . .	1,248

Chapter 344, Acts of 1899, entitled "An Act to Make Eight Hours a Day's Work."

Number of Yes votes . . . . .	3,140
Number of No votes . . . . .	1,183
Blank . . . . .	1,085

GEORGE I. VINCENT,

City Clerk.

## JURY LIST OF THE CITY OF SOMERVILLE.

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Prepared by the Registrars of Voters, under Chapter 515 of the Acts of the year 1897, February 19, 1901.

Posted March 7, 1901, and accepted by the Board of Aldermen March 20, 1901.

### A

Abbott, Alonzo F., 8 Concord avenue, Clerk.  
Adams, Elbert S., 97 Wallace street, Carpenter.  
Adams, Frank H., 46 Summer street, Treasurer.  
Adcock, John H., 205 Highland avenue, Plumber.  
Albee, John G., 101 Flint street, Clerk.  
Aldrich, Harrison, 23 Franklin street, Produce dealer.  
Allen, Harold J., 29 Elston street, Clerk.  
Allen, Hiram, 230 Washington street, Musician.  
Allison, James W., 95 Mt. Vernon street, Carpenter.  
Anderson, Peter, 34 Joy street, Teamster.  
Andrews, James M., 172 Broadway, Builder.  
Andrews, John, 34 Albion street, Agent.  
Angier, Lucius B., 18 Temple street, Laborer.  
Armstrong, Thomas W., 39 Partridge avenue, Sawyer.  
Armstrong, William, 17 Dane street, Watchman.  
Attwood, J. Lorenzo, 18 Herbert street, Bookkeeper.  
Atwater, George W., 1 Avon street, Foreman.  
Atwell, Horace F., 7 Newbury street, Salesman.  
Averill, Hiram, 58-A Grant street, Painter.  
Ayer, Fred C., 160 Highland avenue, Lumber dealer.  
Ayer, John F., 17 Walter street, Lumber dealer.

### B

Babb, Charles D., 193 School street, Real estate agent.  
Babb, Nathaniel F., 193 School street, Real estate agent.  
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, Nicholas, 9 Bedford street, Barrel dealer.  
Baker, Roger H., 9 Bedford street, Cooper.  
Baker, Roswell F., 26 Hudson street, Salesman.  
Baldwin, Henry W., 82 Mt. Vernon street, Clerk.  
Bancroft, Edward A., 31 School street, Barrel dealer.  
Barker, Ezra C., 12 Ellsworth street, Clerk.  
Barker, William H., 367 Summer street, Manufacturer.  
Barnard, Thomas L., 11 Grant street, Fish dealer.  
Barnes, George W., 1160 Broadway, Hardware dealer.  
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.  
Bean, Gerard D., 136 Lowell street, Bookkeeper.  
Beckley, Henry F., 221 Morrison avenue, Salesman.  
Beckley, Warren H., 85 College avenue, Salesman.  
Belcher, Horace A., 12 Webster avenue, Produce dealer.

Belding, Oscar H., 182 Highland avenue, Carpenter.  
 Belding, Rainsford W., 79 Benton road, Builder.  
 Bennett, Dana W., 41 Putnam street, Agent.  
 Bennett, Edwin C., 35 Putnam street, No occupation.  
 Bent, Charles E., rear 9 Marion street, Carpenter.  
 Bent, Thomas A., 120 Summer street, Carpenter.  
 Berry, Andrew C., 6 Centre street, Engraver.  
 Berry, Arthur W., 53 Hudson street, Builder.  
 Berton, John F., 72 College avenue, Painter.  
 Bertwell, Henry P., 20 Cameron avenue, Clerk.  
 Bezanson, William H., 47 Laurel street, Marketman.  
 Binney, Barnabas, 44 Tower street, No occupation.  
 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 street, Newsdealer.  
 Blanchard, Charles V., 99 Orchard street, Bookkeeper.  
 Blevins, Joseph J., 26 Stone avenue, Roofer.  
 Booker, James A., 193 Pearl street, Salesman.  
 Bossey, Charles W., 22 Ashland street, Salesman.  
 Boutin, Abraham, 18 Park avenue, Nurse.  
 Bowen, Cornelius, 128 Linwood st., Safe & mach. mover.  
 Bowen, Lorenzo W., 16 Broadway, Decorator.  
 Bowers, Harrison G. O., 233½ Elm street, No occupation.  
 Bowie, David, 11 Belmont street, Machinist.  
 Bowker, Frank P., 31 Avon street, Clerk.  
 Bowman, Henry F., 10 Winter-hill circle, Lithographer.  
 Bowman, Herbert E., 488 Broadway, Druggist.  
 Boyden, William B., 34 Quincy street, Messenger.  
 Boyer, Charles W., 12 Highland avenue, Engineer.  
 Boyer, F. Howard, 12 Highland avenue, Engineer.  
 Bradley, Daniel, 19 Concord avenue, Barrel dealer.  
 Bradley, Daniel A., 67 Beacon street, Piano finisher.  
 Bradley, Daniel H., 19 Concord avenue, Student.  
 Bradley, Dennis E., 303 Washington street, Ornamentier.  
 Bradley, Horace Q., 14 Pinckney street, Conductor.  
 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.  
 Briggs, J. Albion, 59 Vinal avenue, Real estate agent.  
 Briggs, Sylvester R., 19 Flint street, Broker.  
 Brigham, Charles A., 3 Dell street, Salesman.  
 Brine, William H., 40 Houghton street, Agent.  
 Brophy, Daniel, 17 Fremont avenue, Traveling salesman.  
 Brophy, Thomas C., 17 Fremont ave., Traveling salesm'n.  
 Brothers, Frank H., 60 Putnam street, Jeweler.  
 Brown, Charles E., 36 Albion street, Carpenter.  
 Brown, Fred E., 311 Washington street, Clerk.  
 Brown, John H., 311 Washington street, Painter.  
 Brown, Lyman H., 284 Somerville ave., Livery stable kpr.  
 Bryant, Thomas H., 6 Edmands street, Receiving clerk.  
 Buckley, John E., 18 Hancock street, Lineman.  
 Buckley, Patrick W., 17 Garden court, Confect'y dealer.  
 Bucknam, Davis P., 12 Vine street, Mason.  
 Bucknam, William E., 341 Beacon street, Mason.  
 Buell, Henry A., 150 Walnut street, Machinist.  
 Bullard, Walter H., 22 Stickney avenue, Grocer.  
 Bunten, Frederick R., 32 Cedar st., Feather duster mfr.

Burke, Walter W., 337 Washington street, Hatter.  
 Burns, Robert, 21 Lincoln street, Chemist.  
 Burns, Samuel A., 61 Pearl street, Milk driver.  
 Burrows, George H., 25 North Union street, Machinist.  
 Bursaw, William J., 41 Dartmouth street, Agent.  
 Burton, Edward H., 123 Orchard street, Provisions.  
 Butler, Joshua T., 7 Fairview terrace, Broker.  
 Butler, William, 106-A Albion street, Printer.  
 Buttimer, Maurice, 351 Lowell street, Contractor.  
 Byam, Augustus B., 7 Melvin street, Soap manufacturer.

## C

Callow, John R., 42 Concord avenue, Porter.  
 Cameron, William G., 30 Campbell park, Carpenter.  
 Caples, Philip, 42 Craigie street, Butter dealer.  
 Card, Frederick L., 63 Evergreen ave., Provision dealer.  
 Carpenter, Albert Q., 7 Sargent avenue, Tinsmith.  
 Carpenter, Reuben, 10 Fountain avenue, Engraver.  
 Carr, Albert E., 89 Oxford st., Clerk Am. Express Co.  
 Carr, Eugene P., 18 Benton road, Salesman.  
 Carter, Lorenzo D., 60 Central street, Clerk.  
 Cate, Nathan E., 28 Everett avenue, Treasurer.  
 Channing, Frank P., 29 Grant street, Manager.  
 Chapin, Hiram O., 44 Dover street, Commission merchant.  
 Chase, Charles D., 18 Ivaloo street, Engineer.  
 Chase, Isaac F., 14 Park avenue, Salesman.  
 Chase, Washington I., 85 Vine street, Distiller.  
 Cheney, Herbert E., 119 College avenue, Produce dealer  
 Chickering, William H., 15 Evergreen avenue, Clerk.  
 Chisholm, Allan D., 18 Rossmore street, Clerk.  
 Christopher, Emerson R., 136 Lowell street, Grocer.  
 Clark, Cyrus D., 30 Everett avenue, Sexton.  
 Clark, Edmund F., 25 Arlington street, Produce clerk.  
 Clark, Herbert L., 124 Sycamore street, Builder.  
 Clark, Isaac H., 49 Brastow avenue, Mechanical engineer.  
 Clark, J. Abbott, 10 Bigelow street, Advertising agent.  
 Clarke, Wilbur S., 40 Vinal avenue, Real estate agent.  
 Clarridge, George F., 186 School street, Chemist.  
 Clough, George M., 9 Forster street, Agent.  
 Cloyes, George M., 43 Madison street, Salesman.  
 Coan, Francis E., 156 Pearl street, Stair builder.  
 Coan, Thomas S., 18 Fremont street, Bookkeeper.  
 Coburn, Reuben B., 86 Franklin street, Artist.  
 Coffin, Edward B., 184 Lowell st., Real est. and insur. agt.  
 Coffin, Winslow W., 186 Broadway, Real est. & insur. agt.  
 Collett, Harry A., 7 Chester avenue, Machinist.  
 Collieson, Clarence E., 19 Park avenue, Leather dealer.  
 Collins, John D., 22 Vine street, Mason.  
 Collins, J. Lincoln, 15 Columbus avenue, Iron worker.  
 Collins, Stephen J., 22 Putnam street, Upholsterer.  
 Colman, Charles W., 151 Central street, Architect.  
 Comee, Charles, 38 Irving st., Dealer in printing materials.  
 Comee, Edgar F., 38 Irving street, Traveling salesman.  
 Comfort, James J., 5 Taunton street, Conductor.  
 Conant, George H., 8 Park avenue, No occupation.  
 Condit, Fred H., 255 Medford street, Musician.  
 Condit, Sears, 255 Medford street, Hatter.  
 Cook, Forrest D., 30 Avon street, Reporter.  
 Cook, Levi F., 9 Thorpe place, Salesman.  
 Cooper, Francis P., 188 Broadway, Engraver.



Copithorne, John, 81 School street, Carpenter, F. R. R.  
 Coughlin, William J., 141 Medford street, Upholsterer.  
 Cox, Edward, 36 Central street, Real estate agent.  
 Coyle, George R., 16 Maple avenue, Salesman.  
 Craig, John W., 97 Washington street, Blacksmith.  
 Crawford, J. Arthur, 19 Eastman place, Carpenter.  
 Cremen, John W., 69 Oxford street, Clerk.  
 Crimmings, Timothy F., 3 Maple st., Teamster and contr.  
 Cronin, Robert E., 82 Vernon street, Teamster.  
 Crosby, Clifford F., 348 Summer st., Ventilating engineer.  
 Crosby, Warren A., 32 Rush street, Fish dealer.  
 Cross, John T., 65 Oxford street, Salesman.  
 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.  
 Curran, Reuben L., 29 Dana st., Foreman cabinetmaker.  
 Currier, James H., 9 Mossland street, Manager.  
 Currier, Samuel E., 9 Howe st., Real estate and insur. agt.  
 Cushing, Edwin F., 72 Central street, Navy yard.  
 Cutler, Frank E., 70 Pearl street, Painter.  
 Cutter, Fitch H., 8 Lincoln street, Motorman, St. Ry.  
 Cutter, George, 379 Summer street, No occupation.

### D

Dadmun, Henry H., 48 Oxford street, Salesman.  
 Dadmun, Leon E., 77 Lexington avenue, Photographer.  
 Dainty, Henry, 216 School street, Salesman.  
 Dalton, James H., 1100 Broadway, Manager.  
 Daniels, Edward S., 50 Spring street, Piano tuner.  
 Daniels, Harry F., 21 Munroe street, Clerk.  
 Daniels, Jerome S., 74 Florence street, Broker  
 Darling, Charles S., 20 Gorham st., Whip manufacturer.  
 Davenport, Foster L., 19 Charnwood road, Shipper.  
 David, James B., 78 Belmont street, No occupation.  
 Davis, Albert I., 35 Fairmount avenue, Bookkeeper.  
 Davis, Albert M., 16 Chauncey avenue, Teamster.  
 Davis, Charles S., 94 Pearl street, Electrician.  
 Davis, George E., 88 Highland avenue, Clerk.  
 Davis, George M., 20 Arthur street, Mason and builder.  
 Davis, Levi F. S., 127 Pearl street, Real estate agent.  
 Davis, Stark H., 150 Broadway, Hardware  
 Davis, Thomas L., 50 Mt. Vernon street, Burlaps, etc.  
 Davlin, James F., 15 Kingman court, Plumber.  
 Dawes, Henry L., 8 Ashland street, Confectioner.  
 Dawson, Howard, 70 Albion street, Clerk.  
 Dean, Arthur H., 183 Medford street, Conductor.  
 Dearborn, Luther G., 169 Sycamore st., Coffee roaster.  
 De Coster, Verin, 43 Lowell street, Salesman.  
 Delay, James, 48 Beacon street, Florist.  
 Dennett, Alexander H., 54 Concord avenue, Paperhanger.  
 Densmore, Charles D., 44 Porter street, Merchant.  
 Densmore, Edward D., 44 Porter street, Electrician.  
 Derby, Edward J., 36 Cedar street, Fruit dealer.  
 Desmond, Daniel W., 1 Montrose st., Real estate agent.  
 Dewire, Michael H., 399 Washington st., Confectioner.  
 Dickerman, Edward M., 39 Florence street, Foreman.  
 Dickinson, Luther C., 21 Hall avenue, Salesman.  
 Doane, Nathaniel J., 26 Charnwood road, Clerk.

Doane, Nathaniel P., 19 Grand View avenue, Towing.  
 Dodd, George H., 54 Marshall street, Mechanic.  
 Doe, Freeland A., 39 Temple street, Cabinetmaker.  
 Dole, William F., 84 Perkins street, Spice manufacturer.  
 Doten, Benjamin F., 67 Central street, Printer.  
 Dow, Arthur F., 79 Marshall street, Broker.  
 Dow, Walter A., 15 Ware street, Salesman.  
 Downing, John F., 14 Park street, Carpenter.  
 Drake, James, 45 Berkeley street, Carpenter.  
 Dresser, George H., 193 School street, Superintendent.  
 Drinkwater, Frank M., 872 Broadway, Clerk.  
 Drouet, William C., 78 Highland avenue, Reporter.  
 Dudley, Clifford G., 10 Tower street, No occupation.  
 Dudley, Clifton O., 86 Sycamore street, No occupation.  
 Duhig, John M., 282 Summer street, Printer.  
 Dunham, George J., 10 Stickney ave., Carriage salesman.  
 Dunham, Marshall W., 10 Stickney ave., Carriage sales'n.  
 Dunklee, Daniel D., 9 Oakland avenue, Furnace dealer.  
 Dustin, Harry N., 10 Church street, Clerk.  
 Dwyer, Edward, 159 Somerville avenue, Marble worker.  
 Dwyer, Timothy C., 318 Somerville avenue, Clerk.  
 Dyer, Charles H., 147 Pearl street, Carpenter.  
 Dyer, Henry H., 32 Elm street, Cigar dealer.  
 Dyer, Josiah T., 156 School street, Men's furnishings.

### E

Eames, Byron, 104 Sycamore street, Ice dealer.  
 Eames, Henry H., 13 Chapel street, Machinist.  
 Earle, Israel C., 87 Irving street, Salesman.  
 Eaton, John M., 53 Springfield street, No occupation.  
 Eccles, William, 48 Webster street, Upholsterer.  
 Edgett, Reuben, 85 College avenue, Carpenter.  
 Edmands, John B., rear 19 Albion st., Stoneware mfrg.  
 Egerton, Charles S., 63 Boston street, Cigar dealer.  
 Egerton, Wales L., 61 Beach street, No occupation.  
 Ela, William E., 15 Wheatland street, Printer.  
 Elkins, John F., 142 Medford street, Contractor.  
 Elliot, Charles J., 59 Oxford street, Engineer.  
 Elliott, George E., 103 Jenny Lind avenue, Grocer.  
 Ellis, Franklin E., 16 Day street, Salesman.  
 Ellis, William F., 36 Adams street, Engineer.  
 Emerson, William J., 104 Broadway, Boot & shoe dealer.  
 Emery, Allen A., 51 Oliver street, Butter salesman.  
 Emery, George L., 43 Vinal avenue, No occupation.  
 Enslin, Theodore V., 28 Austin street, Clerk.  
 Esty, Austin S., 203 School street, Clerk.  
 Eugley, Norman M., 20 Victoria street, Surveyor.  
 Evans, Francis W., 34 Preston street, Teamster.  
 Evans, Henry, 15 Adrian street, Teamster.  
 Everton, Elphonso I., 34 Lake street, Cigarmaker.

### F

Fall, Daniel R., 20 Pinckney street, Woodworker.  
 Falvey, Richard, 15 Rush street, Contractor.  
 Farnham, Charles E., 16 Grand View ave., No occupation.  
 Farnham, Rufus H., 33 Farragut avenue, Motorman.  
 Farrell, Patrick S., 31 Linwood street, Polisher.  
 Farrell, Robert J., 21 Avon street, Tea salesman.  
 Farwell, Ruleffe H., 92 Central street, Produce dealer.  
 Fay, Francis H., rear 101 Linwood street, Marble cutter.

Fellows, John H., 12 Elston street, Accountant.  
 Fenelon, J. Robert, 21 School street, Real estate agent.  
 Fernald, Charles A., 12 Miner street, Fish dealer.  
 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, 12 Lester terrace, Carpenter.  
 Fisher, Alphonso, 152 Pearl street, Painter.  
 Fisher, Arthur V., 62 Evergreen avenue, Agent.  
 Fisher, Emery B., 110 Prospect st., Clerk, P. O. Boston.  
 Fisher, Henry H., 85 Porter street, Salesman.  
 Fisher, John, 26 Hancock street, Printer.  
 Fisk, Ellsworth, 44 Heath street, Clerk.  
 Fisk, Mark, 44 Heath street, Traveling salesman.  
 Fitch, George W., 35 Mt. Vernon street, Job printer.  
 Fitz, Charles E., 440 Broadway, Bookkeeper.  
 Fitz, George H., 45 Franklin street, Grain dealer.  
 Flagg, Charles A., 24 Gibbens street, Salesman.  
 Flaherty, James P., 12 Charles street, Junk dealer.  
 Flaherty, William H., 261 Washington street, Contractor.  
 Flitner, Arthur D., 38 Day street, Bookkeeper.  
 Flitner, George J., 1 Clifton street, Wool grader.  
 Flood, Francis H., 133 Tremont street, Hardware dealer.  
 Flynn, William H., 67 Dane st., Real estate and insur. agt.  
 Foote, Edward H., 138 Sycamore st., Pickle mfr.  
 Foss, Mayhew C., 9 Greene street, Broker.  
 Foster, Elmer E., 18½ Franklin street, Fireman.  
 Foster, George W., 7 Evergreen avenue, Insurance agt.  
 Foster, Henry, 23 Park street, Bookbinder.  
 Foster, Jacob, 10 Mossland street, Carpenter.  
 Fox, John, 283 Somerville avenue, Laborer.  
 Foy, John, 348 Somerville avenue, Glass worker.  
 Francis, Weston O., 120 Pearl street, Carpenter.  
 Frazar, Amherst D., 35 Laurel street, Clerk.  
 Frazier, Loron D., 23 Winslow avenue, Clerk.  
 Friend, Edward, 5 Cameron avenue, Salesman.  
 Frink, William A., 88 Holland street, Undertaker.  
 Frost, George W., 38 Laurel street, Clerk.  
 Frost, Lewis H., 6 Webster street, Engraver.  
 Frye, Charles H., 43 Sargent avenue, Machinist.  
 Fudge, David, 332 Somerville avenue, Undertaker.  
 Fulton, David, 4 Spring ct., Calendrer Middle. bleachery.

### G

Gage, Burt O., 38 Dartmouth street, Machinist.  
 Gage, Moses H., 9 Montgomery avenue, Clerk.  
 Gale, Charles, 10 Brastow avenue, Cabinetmaker.  
 Gale, John S., 6 Oliver street, Machinist.  
 Galletly, Henry, 7 Franklin ave., Cordage manufacturer.  
 Garrett, Edwin E., 80 Mt. Vernon street, Clerk.  
 Garrity, Martin, Jr., 206 Norfolk street, Plumber.  
 Gifford, Frederick K., 353 Beacon street, Salesman.  
 Gifford, Herbert C., 54 Preston street, Iron salesman.  
 Gilbert, Fred W., 101 School street, Shoe dealer.  
 Gilbert, Charles A., 58 Concord avenue, Tea dealer.  
 Giles, Charles E., 24 Webster street, Real estate agent.  
 Giles, Joseph J., 34 Putnam street, Real estate agent.  
 Gill, Martin, 22 Bonair street, Teamster.  
 Gillette, Hiram A., 72 College avenue, Manufacturer.  
 Gillette, Louis F., 91 College avenue, Artist.

Gilley, Rodney O., 11 Walter street, Steward.  
 Gilman, Charles S., 11 Hathorn street, Teamster.  
 Gilman, John W., 47 Chester street, Salesman.  
 Glazier, Elmer L., 41 Francesca avenue, Cabinetmaker.  
 Goddard, Edward A., Jr., 35 Electric avenue, Clerk.  
 Goddard, Henry A., 115 Belmont street, Clerk.  
 Godey, Frederick C., 11-A Eliot street, Roofer.  
 Godfrey, Alexander M., 52 Berkeley street, Carpenter.  
 Goldthwaite, Clarence W., 257 Broadway, Salesman.  
 Goldthwaite, Jerome I., 82 Mt. Vernon street, Clerk.  
 Goodhue, Alfred N., 205 Highland avenue, Conductor.  
 Gordon, Harris F., 7 Dell street, Foreman.  
 Gordon, Huntlie, 78 Clarendon ave., Insurance agent.  
 Graham, Alford M., 25 Kidder avenue, Clerk.  
 Graham, Robert C., 29 Greene street, Potato dealer.  
 Grant, Walter D., 35 Florence street, Clerk.  
 Gray, Amasa, 71 Wallace street, Carpenter.  
 Gray, Frank E., 36 Newbury street, Salesman.  
 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.  
 Grover, George A., 10 Belmont place, Special officer.  
 Grover, Horace N., 26 Oxford street, Fruit dealer.  
 Grover, Nelson H., 26 Oxford street, Clerk.  
 Guild, Edgar A., 28 Webster avenue, Clerk.  
 Guild, Julius J., 325 Washington st., 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.  
 Hager, Arvine, 19 Edmands street, Milk dealer.  
 Hale, C. Warner, 144 Highland avenue, Tailor.  
 Haley, Dennis, 27 Belmont street, Machinist.  
 Hall, Albert A., 64 Willow avenue, Accountant.  
 Hall, William Franklin, 103 Thurston street, Accountant.  
 Hallett, Warren, 155 Walnut street, Carpenter.  
 Hamblin, Franklin J., 30 Walnut street, Treasurer.  
 Hancock, Robert A., 163 Elm street, Hatter.  
 Harlow, George H., 7 Adams street, Salesman.  
 Harney, William T., 169 Linwood street, Teamster.  
 Harrington, Walter S., 7 Bolton street, Clerk.  
 Hartshorn, Frank S., 96 Glen street, Clerk.  
 Harts, Charles, 12 Maple avenue, Harness maker.  
 Haskell, Otis S. M., 279 Summer street, Confectioner.  
 Hatch, Frederick A., 77 Jaques street, Teamster.  
 Hathaway, Henry C., 12 Pembroke street, Painter.  
 Hayes, William T., 252 Medford street, Clerk.  
 Haynes, Walter S., 26 Austin street, Clerk.  
 Hayward, Harry B., 11 Burnside avenue, Electrician.  
 Hayward, John G., 5 Windom street, Clerk.  
 Higgins, John, 38 Linwood street, Dry goods dealer.  
 Higgins, Byron E., 7 Dartmouth street, Mason.  
 Hight, Henry O., 15 Highland avenue, Clerk.  
 Hill, Arthur C., 21 Benedict street, Waste dealer.

Hill, John E., 49 Cherry street, Salesman.  
 Hinckley, James G., 254 School street, Butter dealer.  
 Hinckley, William V. T., 10 Monmouth st., Insur. agent.  
 Hodson, Albert O., 28 Pinckney street, Driver.  
 Hoit, Alonzo W., 275 Highland avenue, Produce dealer.  
 Holden, George W., 97 Curtis street, Farmer.  
 Holmes, Charles A., 263 Beacon street, Stove dealer.  
 Holmes, Frank H., 29-A Veazie street, Plumber.  
 Holmes, Samuel, 6 Essex street, Salesman.  
 Holt, Arthur C., 197 Washington street, Architect.  
 Holt, Samuel W., 197 Washington street, No occupation.  
 Hopkins, Charles O., 212 Broadway, Bookkeeper.  
 Hopkins, Charles W., 23 Boston street, Engraver.  
 Hopkins, Fred J., 19 Kingston street, Fish dealer.  
 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., 12 Winter street, Artist.  
 Howard, Chester M., 353 Highland avenue, Clerk.  
 Howard, John C., 157 Highland avenue, No occupation.  
 Howe, Frederick F., 40 Kidder avenue, Shipper.  
 Hulsman, Chester R., 68 Albion street, Collector.  
 Hunnewell, William A., 23 Milton street, Coal dealer.  
 Hunt, Cassius, 218 School street, Fish dealer.  
 Hunter, William H., 11 Sycamore street, Glass engraver.  
 Hurn, George F., 12 Autumn street, Upholsterer.  
 Hutchins, George E., 9 Oliver street, Mason.  
 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**

Jameson, Anthony S., 7 Bradford avenue, Salesman.  
 Jansson, Augustus L., 102 Wallace st., Trav. salesman.  
 Jenney, William, 244 Highland avenue, No occupation.  
 Jerauld, Horace D., 14 Chester avenue, No occupation.  
 Jones, Henry M., 9 Chandler street, Carpenter.  
 Jones, Thomas F., 34 Line street, Conductor.  
 Jouett, Edward M., 37 Chester street, Clerk.  
 Joy, Alden B., 20 Belmont street, Carpenter.  
 Joyce, Sanford, 76 Boston street, Clerk.  
 Judge, Daniel, 20 Rossmore street, Hatter.  
 Junkins, George P., 141 Pearl street, Tailor.  
 Junkins, Leander D., 14 Austin street, Machinist.

**K**

Kaula, Charles H., 81 Marshall street, Salesman.  
 Keane, John A., 109 School street, Piano tuner.  
 Kearney, Edward S., 6 Charlestown street, Clerk.  
 Keefe, William M., 52 Cedar street, Milk dealer.  
 Keegan, Dominick F., 31 Belmont street, Printer.  
 Kelley, John, 102 Highland avenue, Mason.  
 Kelley, Timothy J., 17 Merriam street, Clerk.  
 Kelley, William, 15 Leland street, Janitor.  
 Kelsey, James C., 96 Holland street, Bicycle dealer.  
 Kelly, Charles A., 48-A Porter street, Contractor.

Kendall, Henry A., 55 Oxford street, Clerk.  
 Kendall, Isaac B., 338 Broadway, Insurance agent.  
 Kendall, Jonas B., Jr., 41 Russell street, Milk dealer.  
 Kennedy, Clifton A., 21 Thorndike st., Street Ry. cond'r.  
 Kennedy, John F., 19 Kent court, Conductor  
 Kenney, James, 4 Concord avenue, Carpenter.  
 Kenny, Miah G., 51 Munroe street, Agent.  
 Kerrigan, James, Jr., 351 Washington street, Teamster.  
 Keyes, Charles A., 49 Thurston street, Produce dealer.  
 Kiley, Patrick J., 53 Mansfield street, Wheelwright.  
 Kincaid, John E., 74 Rush street, Traveling salesman.  
 King, Martin L., 107 Cross street, Grocer.  
 King, William L., 16 Kenwood street, Bookkeeper.  
 Kingman, Edward A., 14 Westwood road, No occupation  
 Kirk, Patrick, 31 Belmont street, Harness maker.  
 Knapp, Edgar L., 141 Walnut street, No occupation.  
 Knapp, Samuel, 3 Lester terrace, Salesman.  
 Knowles, Abbott L., 44 Webster street, Bookkeeper.  
 Knowles, Benjamin H., 15 Parker street, Hatter.  
 Knowles, Cyrus B., 18½ Franklin street, Railroad man.  
 Knowles, Daniel S., 110 Perkins street, Salesman.  
 Knowles, Thomas, 27 Tyler street, Foreman.  
 Knowles, Zoeth R., 119 Walnut street, Shipper.

#### L.

Lacount, Eugene D., 34 Day street, Bedding mfr.  
 Lacy, Patrick, 63 Cherry street, Mason.  
 Lambert, Wallace C., 18 Pleasant avenue, Engineer.  
 Landry, Adolphus J., 37 Francesca avenue, Jeweler.  
 Lane, Eugene H., 58 Berkeley street, Butter dealer.  
 Lawrence, Bernard W., 289 Highand ave., Produce dealer.  
 Lawson, George W., 2 Lawson terrace, Carpenter.  
 Lawson, Munroe C., 41 Bow street, Carpenter.  
 Leavitt, Edwin, 13 Pinckney street, Insurance agent.  
 Leavitt, Frank W., 468 Somerville avenue, Carriage mfr.  
 Lee, David J., 25 Wheatland street, Salesman.  
 Leeds, Henry C., 35 Auburn avenue, Clerk.  
 Leighton, Wilson E., 69 Florence street, Conductor.  
 Leonard, Eugene C., 86 Avon street, Ladies' tailor.  
 Libbey, Leonard M., 27 Winter st., Variety store keeper.  
 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.  
 Little, John K., 93 Hudson street, Bookkeeper.  
 Littlefield, Elisha, 65 Glen street, Carpenter.  
 Littlefield, Samuel T., 321 Broadway, No occupation.  
 Ljungqvist, Nils, 27 Everett avenue, Brass finisher.  
 Llewellyn, Edward J., 216-A Somerville avenue, Painter.  
 Locke, Theodore H., 53 Central street, Clerk.  
 Locke, Warren E., 94 College avenue, Real estate agent.  
 Lombard, Henry F., 114 Pearl street, Clothing dealer.  
 Lorentzen, Henry, 18 Waldo street, Lock expert.  
 Lounsbury, George H., 46 Houghton street, Bookkeeper.  
 Loveland, Charles M. N., 898 Broadway, Stenographer.  
 Lovering, Everett L., 21 Bradley street, Music teacher.  
 Lovering, George H., 18 Chauncey avenue, Grocer.  
 Lovering, Henry P., 11 Shawmut street, Mason.  
 Lovering, Hiram A., 168 Broadway, Merchant.  
 Lovering, John S., 35 Franklin street, Teamster.

Lowell, Frank M., 42 Aldrich street, Grocer.  
 Lowell, George E., 46 Gilman st., Livery stable keeper.  
 Lund, Harrington C., 16 Austin street, Clerk.  
 Lund, John Q., 13 Cutter street, Printer.  
 Lunt, Fred E., 24 Hall avenue, Clerk.  
 Lynch, James B., 571 Somerville ave., Boot & shoe mak.

### M

Macdonald, John W., 3 Boston street, Clerk.  
 MacKenzie, William, 28-A Lake street, Machinist.  
 MacNeil, John, 60 Winslow avenue, Carriage builder.  
 Makechnie, Ernst H., 238 Elm street, Teacher of violin.  
 Maloon, Solon H., 244 Highland avenue, No occupation.  
 Mann, Alfred E., 75 Washington street, Undertaker.  
 Manning, John F., 152 Medford street, Teamster.  
 Manning, John J., 551 Somerville avenue, Barber.  
 Marble, Irving H., 14 Bowers avenue, Clerk.  
 Marr, George S., 37 Dover street, Carpenter.  
 Marsh, G. Roscoe, 91 Perkins street, Undertaker.  
 Marshall, John A., 97 Oxford street, Salesman.  
 Martin, Lewis R., 40 Grant street, Teamster.  
 Martin, Thomas F., 16 Buckingham street, Plumber.  
 Martis, Henry, 79 Flint street, Clothier.  
 Mason, Joseph B., 50 Boston street, Nurse.  
 Matthews, George F., 27 Conwell street, Carpenter.  
 Mayhew, Josiah B., 2 Thurston st., Carriage woodworker.  
 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.  
 McAvoy, Henry, 117 Somerville avenue, Stable keeper.  
 McCarty, John, 27 Shawmut street, Charcoal dealer.  
 McCrillis, Melvin C., 23 Dartmouth street, Beef dealer.  
 McDonald, William M., 56 Cedar street, Beef dealer.  
 McKeever, Samuel, 74 Belmont street, Captain U. S. A.  
 McKenna, David W., 7 Chestnut street, Pedler.  
 McKenna, George F., 292 Lowell street, Undertaker.  
 McLaughlin, Amos B., 27 Summit avenue, Trader.  
 McLean, William J., 78 Oxford street, Carpenter.  
 McManus, Patrick, 93 Prospect street, Motorman.  
 McMaster, George R., 12 Park street, Woodworker.  
 Medina, John, 1167 Broadway, Merchant.  
 Mentzer, Charles A., 36 Cherry street, Clerk.  
 Merrifield, Otis E., Jr., 246 Summer street, Bookkeeper.  
 Merrill, Ezra T., 90 Curtis street, Contractor.  
 Merrill, Fred L., 18 Arlington street, Cafe proprietor.  
 Merrill, Warren A., 14 Westminster street, Salesman.  
 Merritt, William, 103 Pearl street, Superintendent.  
 Middlemas, Henry H., 412 Highland avenue, Driver.  
 Miles, Charles H., 250 Broadway, Cigar manufacturer.  
 Miller, John F., 13 Flint street, Operator.  
 Miner, Robert A., 56 Chester 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.  
 Moore, Joseph W., 79 Newton street, Iceman.  
 Moran, Frank E., 48 Berkeley street, Clerk.  
 Moran, Henry W., 189 Pearl street, Moulder.  
 Muldoon, Thomas F., 210 Somerville ave., Iron worker.  
 Mullen, William F., 43 Thurston street, Merchant.

Mulliken, John E. A., 39 Dartmouth street, Clerk.  
 Munroe, William B., 1 Lincoln street, Clerk.  
 Murphy, Stephen F., 102 College avenue, Buyer.

### N

Nason, Charles C., 21 Wigglesworth street, Carpenter.  
 Nason, Fred W., 23 Jaques street, Electrician.  
 Nealley, Edwin F., 109 Glen street, Salesman.  
 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 D., 5 Wellington avenue, Clerk.  
 Nickles, James W., 14 William street, Produce.  
 Niles, James H., 4 Fairlee street, Provision dealer.  
 Nolan, John A., 26 Prescott street, Glass blower.  
 Northrop, Herbert N., 39 Irving street, Clerk.  
 Noyce, Benjamin C., 73 Gilman street, Carpenter.  
 Noyes, Frank A., 95 Highland avenue, Merchant.  
 Noyes, George Lunt, Jr., 48 Pearl street, Clerk.  
 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.  
 Oliver, George F., 53 Glen street, Driver.  
 O'Malley, Patrick J., 21 Dane avenue, Barrel dealer.  
 O'Neil, Bernard, 373 Washington street, Pedler.  
 Onthank, Charles H., 47 Munroe street, Provisions.  
 Orrill, Arthur W., 43 Morrison street, Salesman.  
 Osborne, Arthur D., 16 Hillside park, Clerk.  
 Owen, John W., 20 Melvin street, Surveyor.  
 Owen, Joseph W., 36 Conwell avenue, Salesman.

### P

Page, Daniel W., 21-R Webster avenue, No occupation.  
 Page, George Amos, 21 Webster avenue, Plumber.  
 Paine, Robert S., 110 College avenue, Bookkeeper.  
 Parker, George T., 6 Bradley street, Carpenter.  
 Parker, William H., 23 Hall avenue, Salesman.  
 Parker, William S., 142 Perkins street, Upholsterer.  
 Parsons, Charles F., 16 Park street, Clerk.  
 Patch, Amos G., 35 Irving street, Merchant.  
 Patterson, William S., 17 Everett street, Carriage maker.  
 Peabody, Frederick T., 25 Veazie street, Clerk.  
 Peck, Henry A., 41 Boston street, Printer.  
 Peckham, George W., 75 Central st., Real estate agent.  
 Peirce, Abner F., 26 Bartlett street, Salesman.  
 Peirce, Cyrus H., 75 Marshall street, No occupation.  
 Pendleton, Martin V. B., 63 Concord avenue, Carpenter.  
 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, Irving S., 16 Pleasant avenue, Salesman.  
 Perry, Oliver H., 103 College avenue, Real estate agent.



Philbrick, Charles S., 50 Morrison street, No occupation.  
 Phillips, Bernard C., 8 Charlestown street, Glass cutter.  
 Pickthall, Richard E., 182 Central street, Clerk.  
 Pigon, Joseph H., 36 Wallace street, Clerk.  
 Pillsbury, Luther B., 130 Walnut street, Real estate agent.  
 Pitman, Henry W., 77 Columbus avenue, Journalist.  
 Pitman, John W., 31 Sewall street, Printer.  
 Plaisted, Arthur I., 17 Franklin street, Electrician.  
 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.  
 Pote, Othniel M., 23 Howe street, Foreman.  
 Potter, Henry K., 5 Arthur street, Manufacturer.  
 Powell, Edwin W., 304 Beacon street, Shipper.  
 Powers, Charles F., 62 Mt. Vernon street, Grain dealer.  
 Preble, Frederick A., 55 Tennyson street, Clerk.  
 Prichard, Charles E., 145 Walnut street, Salesman.  
 Prichard, George W., 1 Bean court, Teamster.  
 Prime, George W., 78 Partridge avenue, Painter.  
 Puffer, Charles, 14 Dartmouth street, Produce dealer.  
 Puffer, David, Jr., 24 Hall avenue, Produce dealer.  
 Pugh, Samuel, 269 Summer street, Clerk.  
 Pushee, Leslie D., 10 Harvard place, Clerk.  
 Putnam, Charles R., 345 Summer street, Salesman.

### Q

Quick, Augustus S., 51 Chester street, Clerk.  
 Quimby, Timothy H., 34 Mead street, Carpenter.

### R

Race, Hiram G., 220-A Pearl street, Carpenter.  
 Ramsdell, Charles H., 53 Tufts street, Real estate agent.  
 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., 31 Rossmore street, Clerk.  
 Rawson, James, 65 Pinckney street, House painter.  
 Ray, Benjamin P., 30 Berkeley street, No occupation.  
 Ray, Frank E., 16 Virginia street, Clerk.  
 Raymond, Marcus M., 37 Jaques street, No occupation.  
 Read, Joseph, 21 Maple street, Laborer.  
 Reed, Albert L., 336 Beacon street, Mason.  
 Reed, Cyrus A., 14 Farragut avenue, Upholsterer.  
 Reed, Edward F., 35 Union square, Paper hanger.  
 Reeves, Frederic H., 15-A Herbert street, Clerk.  
 Rice, Asa Barron, 21 Aldersey street, Clerk.  
 Rich, Isaac L., 50 Rush street, Builder.  
 Rich, Samuel B., 45 Francesca avenue, Fish dealer.  
 Rich, Sewall M., 381 Medford street, Agent.  
 Richards, Frederick L., 127 Summer street, Engineer.  
 Richards, Samuel T., 127 Summer street, Bookkeeper.  
 Richardson, Benjamin H., 102 Curtis street, Clerk.  
 Richardson, G. Herbert, 56 Franklin street, Clerk.  
 Richardson, Homer L., 88 Albion street, Compositor.  
 Riddell, Henry G., 104 Pearl street, Clerk.  
 Rideout, Henry N. W., 7 Howe street, Clerk.  
 Ridler, Parker, 37 Ames street, Salesman.  
 Riess, Frank, 49 Gorham street, Painter.

Ring, Frank W., 12 Wheatland street, Driver.  
 Rinn, Daniel H., 17 Wesley park, Victualler.  
 Roberts, Porter S., 41 Pearl street, Grocer.  
 Robinson, Francis H., 36 Beach street, Clerk.  
 Robinson, William F. S., 84 Pearl street, Artist.  
 Rogers, Bishop G., 29 Carlton street, Real estate agent.  
 Rogers, Frederick R., 3 Wesley park, Driver.  
 Rogers, John E., 9 Wigglesworth street, Electrician.  
 Rolfe, Frank A., 30 Dover street, Dry goods dealer.  
 Ross, William M., 22 Fanning avenue, Grainer.  
 Rowell, Elwin E., 72 Broadway, Clerk.  
 Rufer, John B., 388 Highland avenue, Blacksmith.  
 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.  
 Sallaway, George H., 63 Putnam st., Provision dealer.  
 Samuel, Henry, 124 Summer street, Clerk.  
 Sanborn, Charles H., 223 School st., Steam heating contr.  
 Sanborn, William A., 11 Oakland avenue, Brick mfr.  
 Sanborn, William F., 17 Benedict street, Cigar dealer.  
 Sargent, Isaac C., 8 Parker street, Insurance agent.  
 Sargent, Thomas T. M., 67 Myrtle street, Architect.  
 Savage, Peter J., 10 Dane avenue, Machinist.  
 Sawyer, Edward K., 32 Main street, Clerk.  
 Sawyer, Walter S., 16 Browning road, Real estate agent.  
 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.  
 Sears, Eben, 25 Dartmouth street, Boiler inspector.  
 Sellew, Francis L., 98 Pearl street, Civil engineer.  
 Sewall, Charles F., 17 Webster street, No occupation.  
 Shattuck, Benjamin F., 26 Warren avenue, Potato dealer.  
 Shattuck, Elwin H., 75 Harris street, Metal spinner.  
 Shaw, William H., 92 Central street, Clerk.  
 Sherman, Frank M., 15 Flint street, Clerk.  
 Shumway, Edward, 162 Highland avenue, Produce dealer.  
 Sibley, Alfred M., 42 Oxford street, Mason.  
 Sibley, Elton S., 30 Oxford street, Metal engraver.  
 Sibley, Lincoln H., 39 Laurel street, Clerk.  
 Skelton, Daniel J., 10 Burnside avenue, Carpenter.  
 Smith, Albert E., 15 1-2 Putnam street, Cooper.  
 Smith, Wallace E., 21 Windom street, Salesman.  
 Smith, William, 13 Smith avenue, Cabinetmaker.  
 Smith, William H., 79 Irving street, Printer.  
 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.  
 Snowman, Albert E., 22 Park street, Shipper.  
 Solomon, Charles D., 12 Berkeley street, Clerk.  
 Solomon, William H., 12 Berkeley st., Real estate agent.  
 Spalding, Daniel B., 8 Hancock street, No occupation.  
 Spear, Harry A., 23 Veazie street, Clerk.  
 Spencer, George, 39 Houghton street, Cabinetmaker.  
 Spofford, George A., 7 Auburn avenue, Painter.  
 Sprague, Walter A., 42 Prospect street, Telegrapher.

Stacey, George W., 14 Albion street, Clerk.  
 Stackpole, J. Frank, 238 Broadway, Shipper.  
 Stackpole, John, 242 Broadway, Builder.  
 Staples, Mendall G., 42 Prospect street, Teamster.  
 Starbird, George M., 102 Pearl street, Carpenter.  
 Steele, Danforth S., 8 Leslie place, Foreman.  
 Stevens, Elmer A., 103 Liberty avenue, Provision dealer.  
 Stevens, John A., 30 Church street, Painter.  
 Stevens, John E., 7 Linden avenue, Painter.  
 Stevens, Oliver A., 46 Beacon street, Engineer.  
 Stillings, Rufus, 23 Arthur street, Printer.  
 Stockbridge, Alfred E., 88 Pearl street, Salesman.  
 Stodder, George F., 4 Cross street, Fish dealer.  
 Story, Isaac M., 21 Linden avenue, Civil engineer.  
 Stover, Alvra H., 13 Virginia street, Foreman.  
 Stuart, Lewis R., 21 Delaware street, Dry goods dealer.  
 Studley, Stillman S., 130 Sycamore street, Clerk.  
 Sturtevant, Richard H., 31 Walnut street, Beef dealer.  
 Swain, Gideon W., 18 Bradley street, Provision dealer.  
 Symonds, Irving F., 14 Greene street, No occupation.

## T

Taapken, John D., 233 Holland street, Grocer.  
 Tarbox, French O. J., 37 Victoria street, Foreman.  
 Tarbox, Horace E., 30 Austin street, Mason.  
 Teele, Samuel F., 73 Curtis street, Farmer.  
 Temple, Charles A., 9 Whipple street, Laborer.  
 Tewksbury, J. Gardiner, 34 Pinckney street, Paper dealer.  
 Thomas, Joseph M., 228 Pearl street, Produce dealer.  
 Thompson, Charles W., 27 Lake street, Clerk.  
 Thompson, Joseph M., 66 Marshall street, Collector.  
 Thompson, John F., 399 1-2 Somerville avenue, Druggist.  
 Thompson, William H. J., 55 Concord ave., Carpenter.  
 Thomson, Emerson, 10 Pinckney street, Clerk.  
 Thurgood, Augustus, 42 Hudson street, Salesman.  
 Tilden, Elmer E., 80 Porter street, Bookkeeper.  
 Timson, L. Edgar, 50 Webster street, Clerk.  
 Titcomb, Josiah P., 20 Mt. Vernon street, No occupation.  
 Titus, Anson M., 10 Raymond avenue, Bookkeeper.  
 Tobin, Thomas J., 134 Tremont street, Clerk.  
 Tomfohrde, Richard, 11 Wheatland st., Restaurant keep'r.  
 Toothaker, Charles W., 24 Kensington ave., milk dealer.  
 Torrey, William C., 8 Bowers avenue, Superintendent.  
 Towne, Henry A., 41 Webster street, Moulder.  
 Tribble, Hiram, 50 Chandler street, Salesman.  
 Tucker, Frank P., 50 Dartmouth street, Manufacturer.  
 Tuckett, Charles R., 166 Broadway, Architect.  
 Tuttle, Herbert L., 22 Everett avenue, Clerk.  
 Twitchell, Francis A., 120 Prospect street, Clerk.

## U

Underhill, Charles L., 157 Central st., Hardware dealer.  
 Upton, Henry J., 45 Florence street, Rubber worker.

## V

Van Buskirk, Charles, 20 Prescott street, Frame worker.  
 Vanderslice, Isaac, 34 Wallace street, Clothing dealer.  
 Vaupel, Louis H. W., 109 College avenue, Agent.

Veazie, William, 135 Walnut street, No occupation.  
 Vincent, Francis X., 95-B Prospect street, Printer.  
 Vivian, James H., 210 Medford street, Salesman.  
 Vreeland, Edward B., 121 Central st., Hay & grain dealer.

### W

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, 17 Grove street, Salesman.  
 Ward, Benjamin A., 22 Milton street, Tailor.  
 Ware, Francis A., 54 Dartmouth street, Manufacturer.  
 Washburn, Frank D., 18 Park street, Student.  
 Watson, Frank L., 21 Aldersey street, Paint dealer.  
 Watson, George B., 55 Sargent ave., Foreman tinshop.  
 Watt, Lewis C., 8 Emerson street, Plumber.  
 Watters, James, 41 Mystic avenue, Musician.  
 Watts, George A., 18 Maple avenue, Mechanic.  
 Waugh, J. Robert, 10 Carver street, Carpenter.  
 Webber, Edward O., 79 Partridge ave., Rubber worker.  
 Webber, Herbert L., 104 Belmont street, Painter.  
 Webber, Orrin H., 94 Jaques street, Carpenter.  
 Welch, James T., 303 Highland avenue, Mason.  
 Wemyss, George D., 29 Ames street, Furniture mfrg.  
 Wentworth, Edwin B., 15 Edmands street, Clerk.  
 Wentworth, Frank H., 61 Dartmouth street, Salesman.  
 West, Ernest H., 57 Boston street, Clerk.  
 Weston, Howard H., 50 Jaques street, Milk dealer.  
 Wheelock, Herbert A., 66 Franklin street, Driver.  
 Whitaker, Joseph W., 146-R Chapel court, Clerk, B. & M.  
 White, Christopher J., 9 Concord avenue, Clerk.  
 White, Clifford F., 41 Greenville street, Watchman.  
 White, Frank H., 14 Montgomery avenue, Map mounter.  
 White, Henry F., 18 Grant street, Plater.  
 White, J. Harvey, 38 Browning road, 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.  
 Wiggin, Walter S., 42 Walnut street, Clerk.  
 Wilde, George, 104 Broadway, Clerk.  
 Willey, Clarence H., 26 Dartmouth st., Hay & grain deal'r.  
 Williams, Charles H., Union square hotel, Carpenter.  
 Williams, James, 166 Sycamore street, No occupation.  
 Williams, Paulinus F., 1 Hillside avenue, Lumber dealer.  
 Willoughby, George T., 111 Central street, Builder.  
 Wilson, John R., 60 Albion street, Carpenter.  
 Wilson, William B., 3 Hillside avenue, Superintendent.  
 Winslow, Isaac S., 38 Spring street, No occupation.  
 Winsor, Martin C., 65 Cross street, Salesman.  
 Winterbottom, Charles J., 13 Walnut street, Undertaker.  
 Winward, Edwin, 123 Orchard street, Pension agent.  
 Wood, George D., 5 Bradford avenue, Agent.  
 Woodbury, Frederick A., 79 Marshall st., Boot & shoe dlr.  
 Woods, Jotham S., 17 Westminster street, Printer.  
 Woods, Thomas S., 69 Joy street, Carpenter.  
 Wyatt, Charles B., 10 Linden avenue, Machinist.  
 Wyman, Charles B., 67 Thurston st., Restaurant keeper.

**Y**

Ycaton, George W., 49 Day street, Yard master.  
Yelland, Henry, 5 Munroe street, Bottler.  
York, Ernest A., 10 Thorndike street, Baker.  
Young, David, 372 Highland avenue, Blacksmith.  
Young, Willis A., 49 Cedar street, Carpenter.  
Younger, Richard E., 9 Rossmore street, Wheelwright.

## CITY GOVERNMENT AND OFFICERS FOR 1900.

### Mayor.

GEORGE O. PROCTOR,  
44 Spring street.

### Board of Aldermen.

*President.* — FRANCIS M. WILSON.

*Vice-President.* — CHARLES A. GRIMMONS.

#### WARD ONE.

CHARLES F. WILDES, Alderman-at-large . . . . . 2 Hillside avenue.  
JAMES WATTERS. . . . . 41 Mystic avenue.  
RANSOM D. WENTWORTH . . . . . 22 Flint street.

#### WARD TWO.

WILLIAM H. ENNIS, Alderman-at-large . . . . . 16 Bowdoin street.  
JAMES W. KENNEY . . . . . 4 Concord avenue.  
THOMAS H. NAUGHTON . . . . . 32 Dane avenue.

#### WARD THREE.

ARTHUR P. VINAL, Alderman-at-large . . . . . 36 Walnut street.  
JOSEPH S. PIKE, JR. . . . . 53 Preston street.  
JACKSON CALDWELL . . . . . 50 Preston street.

#### WARD FOUR.

FRANCIS M. WILSON, Alderman-at-large . . . . . 103 Cross street.  
WILLIAM H. CUSHMAN . . . . . 6 Evergreen avenue.  
JOHN STACKPOLE . . . . . 242 Broadway.

#### WARD FIVE.

CHARLES A. GRIMMONS, Alderman-at-large . . . . . 72 Thurston street.  
SAMUEL T. LITTLEFIELD . . . . . 321 Broadway.  
T. FRANKLIN PRESTON . . . . . 19 Hudson street.

#### WARD SIX.

ISAAC M. STORY, Alderman-at-large . . . . . 21 Linden avenue.  
JAMES F. REYNOLDS . . . . . 12 Belmont place.  
CALEB L. SANBORN . . . . . 21 Willow avenue.

#### WARD SEVEN.

PAUL J. SMITH, Alderman-at-large . . . . . 79 Irving street.  
JOSEPH P. BOYCE . . . . . 78 Liberty avenue.  
CHARLES S. WARNER . . . . . 19 Chapel street.

*Clerk.* — GEORGE I. VINCENT.

Regular meetings, second and fourth Thursday evenings of each month,  
at 8 o'clock.

**Standing Committees of the Board of Aldermen.**

ACCOUNTS. — Aldermen Preston, Naughton, and Watters.

BONDS. — Aldermen Littlefield, Reynolds, and Warner.

CITY ENGINEERING. — Aldermen Stackpole, Caldwell, and Sanborn.

CLAIMS. — The President, Aldermen Grimmons and Smith.

ELECTIONS. — Aldermen Ennis, Reynolds, and Wentworth.

ELECTRIC LINES AND LIGHTS. — Aldermen Boyce, Littlefield, Pike, Reynolds, and Watters.

FINANCE. — The President, Aldermen Grimmons, Story, Smith, Vinal, Wildes, and Kenney.

FIRE DEPARTMENT. — Aldermen Vinal, Preston, Cushman, Boyce, and Reynolds.

GRADE CROSSINGS. — Aldermen Story, Littlefield, Caldwell, Warner, and Wildes.

HIGHWAYS. — Aldermen Cushman, Caldwell, Sanborn, Warner, and Wentworth.

LEGISLATIVE MATTERS. — The President, Aldermen Cushman and Ennis.

LICENSES. — Aldermen Pike, Stackpole, and Kenney.

ORDINANCES AND RULES. — Aldermen Story, Vinal, and Grimmons.

POLICE. — The President, Aldermen Preston and Vinal.

PRINTING. — Aldermen Wildes, Ennis, and Sanborn.

PUBLIC GROUNDS. — Aldermen Story, Smith, Littlefield, Kenney, and Wildes.

PUBLIC PROPERTY. — Aldermen Grimmons, Preston, Pike, Stackpole, and Naughton.

SEWERS. — Aldermen Smith, Story, and Stackpole.

SPECIAL BUILDING PERMITS. — Aldermen Caldwell, Naughton, and Watters.

STATE AID AND SOLDIERS' RELIEF. — Aldermen Littlefield, Watters, and Boyce.

WATER. — Aldermen Ennis, Warner, and Wentworth.

**School Committee.**

*Chairman.* — JAMES F. BEARD, to August 27; S. NEWTON CUTLER, from September 24.

*Vice-Chairman.* — S. NEWTON CUTLER, to September 24; GEORGE A. MILES, from September 24.

[ All elected in 1899. ]

## WARD ONE.

S. NEWTON CUTLER ( term, two years ), 28 Flint street.

GEORGE S. POOLE ( term, one year ), 46 Mt. Vernon street.

## WARD TWO.

JOHN H. O'NEIL ( term, two years ), 44 Oak street.

EDWARD J. FLYNN ( term, one year ), 1 Tremont place.

## WARD THREE.

\* JAMES F. BEARD ( term, two years ), 17 Prospect Hill avenue.

† ALVAH B. DEARBORN, 34 Bow street.

DANA W. BENNETT ( term, one year ), 41 Putnam street.

\*Resigned August 27.

†Elected September 13 to fill vacancy.

## WARD FOUR.

GEORGE W. W. WHITING ( term, two years ), 282 Broadway.  
WILLIAM P. JONES ( term, one year ), 13-A Maple avenue.

## WARD FIVE.

QUINCY E. DICKERMAN ( term, two years ), 85 Central street.  
J. WALTER SANBORN ( term, one year ), 183 Central street.

## WARD SIX.

MARTIN W. CARR ( term, one year ), 74 Craigie street.  
FREDERICK A. P. FISKE ( term, two years ), 179 Summer street.

## WARD SEVEN.

GEORGE A. MILES ( term, two years ), 249 Elm street.  
HENRIETTA B. H. ATTWOOD ( term, one year ), 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, 8.30 to 10 A. M.

Regular meetings, last Monday evening of each month.

**Assessors.**

( All appointed in 1900. )

ALBERT B. FALES, Chairman ( term, one year ).

BENJAMIN F. THOMPSON ( term, two years ).

JESSE J. UNDERHILL ( term, two years ).

NATHAN H. REED ( term, three years ).

HARRY A. TRUE ( term, three years ).

**Assistant Assessors.**

( Term, one year. )

FRED B. CLAPP.

CHARLES C. FARRINGTON.

EDGAR T. MAYHEW.

FRANK A. TEELE.

Office open : 8 A. M. to 4 P. M.; Saturdays, 8 A. M. to 12 M.

**Board of Health.**

( All appointed in 1900. )

ALLEN F. CARPENTER, Chairman ( term, two years ).

ALVANO T. NICKERSON ( term, one year ).

ARTHUR R. PERRY, M. D. ( term, one year ).

*Clerk.* — WILLIAM P. MITCHELL.

*Agent.* — CALEB A. PAGE.

*Superintendent Collection of Ashes and Offal.* — GEORGE W. S. HUSE.

Office open : 8 A. M. to 4 P. M.; Saturdays, 8 A. M. to 12 M.



**Overseers of the Poor.**

Office, City Hall Annex.

( All appointed in 1900. )

EDWARD B. WEST, Chairman ( term, three years ).

ALBERT W. EDMANDS ( term, two years ).

HERBERT E. MERRILL ( term, one year ).

*Agent.* — CHARLES C. FOLSOM.*Secretary.* — CORA F. LEWIS.

Office open : 8 A. M. to 12 M., 1 to 4 P. M. ; Saturdays, 8 A. M. to 12 M.

**Registrars of Voters.**

( Term of City Clerk, one year ; other members appointed in 1900. )

CROMWELL G. ROWELL, Chairman ( term, three years ).

CHARLES P. LINCOLN ( term, one year ).

CHARLES E. PARKS ( term, two years ).

GEORGE I. VINCENT, City Clerk.

**Trustees of the Public Library.**

( All appointed in 1900. )

CHARLES A. WEST, Chairman ( term, one year ).

JOHN B. VIALI ( term, two years ).

EDWARD C. BOOTH ( term, one year ).

GEORGE W. PERKINS ( term, one year ).

CHARLES H. BROWN ( term, three years ) ( died March 7, 1900 ).

J FRANK WELLINGTON ( term, two years ).

CHARLES W. SAWYER ( term, two years ).

IRVING G. HALL ( term, three years ).

HOWARD D. MOORE ( term, three years ).

EDWARD GLINES ( appointed March 22, 1900, for unexpired term ).

*Librarian and Secretary.* — SAM WALTER FOSS.

Library open 9 A. M. to 9 P. M., and the reading room Sundays from 3 to 7 P. M.

**City Clerk.**

GEORGE I. VINCENT.

Office open : 8 A. M. to 4 P. M. ; Saturdays, 8 A. M. to 12 M.

**City Treasurer and Collector of Taxes.**

JOHN F. COLE.

( Resigned August 2, 1900. )

JAMES F. BEARD.

( Elected August 9, 1900. )

Office open : 8 A. M. to 2 P. M. ; Saturdays, 8 A. M. to 12 M.

**City Messenger.**

JAIRUS MANN.

**Mayor's Secretary.**

FRED E. WARREN.

**City Solicitor.**FRANK W. KAAAN,  
50 State street. Boston.**City Auditor.**CHARLES S. ROBERTSON,  
City Hall.**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.**

ARTHUR R. PERRY, M. D.,

258 Elm street, 18 Bow street.

**Inspector of Milk and Vinegar.**

JULIUS E. RICHARDSON,

310 Broadway.

**Inspector of Animals and Provisions.**

CHARLES M. BERRY,

60 Prescott street.

**Sealer of Weights and Measures.**

JOHN H. DUSSEAULT,

42 Sargent avenue.

**Fence Viewers.**

LAMBERT M. MAYNARD,

90 Highland avenue.

CHARLES M. BERRY,

60 Prescott street.

**Burial Agents.**

UNDER CHAPTER 279, ACTS OF 1896.

JAMES F. DAVLIN,

15 Kingman court.

JOHN H. DUSSEAULT,

42 Sargent avenue.

**Constables.**

GEORGE H. CARLETON.

EUGENE A. CARTER.

OWEN L. CASEY.

CHRISTOPHER C. CAVANAGH.

CHARLES H. COLGATE.

WARREN C. DAGGETT.

RICHARD T. DARMODY.

CHARLES L. ELLIS.

CHARLES C. FOLSOM.

PATRICK J. GARVIN.

JOSEPH J. GILES.

WILLIAM D. HAYDEN.

FRANKLIN W. HOPKINS.

DENNIS KELLEY.

JOHN J. KENNEY.

IRA F. LEGROW.

JAIRUS MANN.

EDWARD MCGARR.

CHARLES A. PAINE.

MELVILLE C. PARKHURST.

ROBERT R. PERRY.

CLIFTON P. SANBORN.

ALBION L. STAPLES.

AUGUSTUS T. WOLFF.

CHARLES E. WOODMAN.

**Measurer of Wood and Bark.**

WILLIAM B. HOLMES,  
317 Broadway.

**Measurers of Grain.**

JOHN CRAIG.

JAMES MCFADZEAN.

**Public Weigher in Charge of City Scales, Union Square.**

FULTON O'BRIEN.

**Weighers of Coal.**

EDGAR H. BARKER.

CHARLES P. BRANN.

AMHERST F. DURKEE.

JOEL J. FISHER.

JOHN D. FLYNN.

CHARLES W. FURLONG.

CHARLES W. GOODWIN.

GEORGE GROGAN.

SIDNEY E. HAYDEN.

WILLIAM HOULAHAN.

CORNELIUS LINNEHAN.

JOHN MACDONALD.

JOHN A. MARSH.

JOHN J. MASTERS.

GEORGE H. MOORE.

CHARLES E. ROCKWELL.

IRWIN L. SMITH.

FRANK A. TEELE.

CHARLES H. TUCKER.

BERT WALBRIDGE.

ALFRED A. WALDRON.

CHARLES H. WARD.

NATHAN E. WILLIS.

**Weighers of Beef.**

RALPH O. BROCK.

D. WARNER DANFORTH.

CLARENCE EDWARDS.

FREDERICK A. GEILING.

ROBERT E. SMITH.

EDWARD M. WHEELER.

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