







CITY OF SOMERVILLE

MASSACHUSETTS

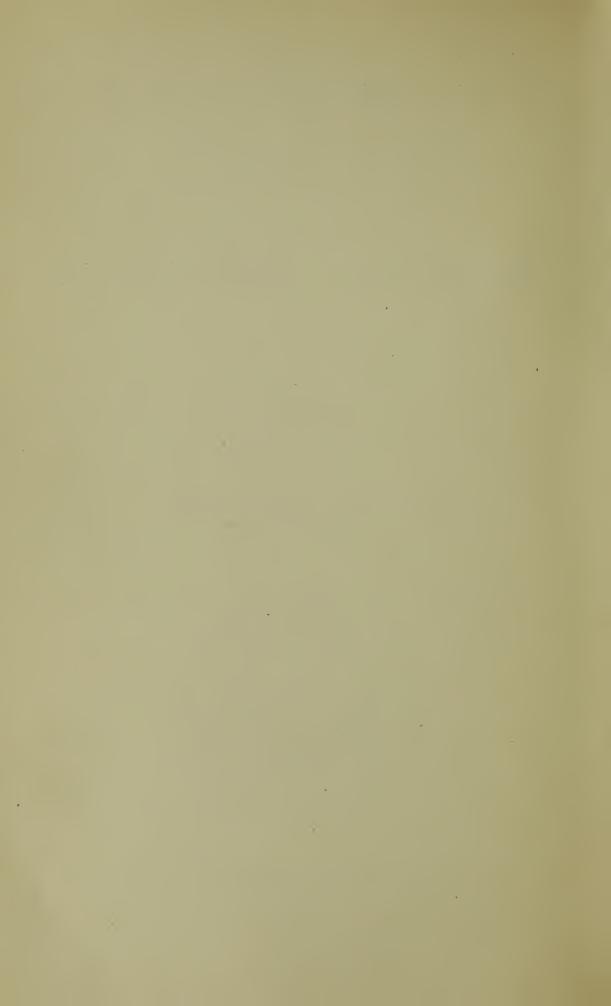
ANNUAL REPORTS

1901

With Mayor's Inaugural Address Delivered Jan. 6, 1902



SOMERVILLE JOURNAL PRINT 1902



INAUGURAL ADDRESS

DELIVERED BY

HON. EDWARD GLINES, MAYOR, JANUARY 6, 1902.

GENTLEMEN OF THE BOARD OF ALDERMEN:-

After a year's experience as Mayor of Somerville, I am permitted, through the generous support of the citizens, to address you, and, through you, the citizens, upon the condition of city affairs and the needs of the various departments.

While not less appreciative of the responsibilities which are this day assumed, the circumstances justify a confidence not enjoyed a year ago.

Acquaintance nowhere signifies more than in the management of the business of a city which expends over one million dollars a year under a charter that places large responsibilities upon the Mayor. Fortunately, the experience of the past year has made familiarity with all departments of the city not only possible, but inevitable.

Upon us, gentlemen of the Board of Aldermen, must largely rest the good name and enhanced prosperity of the city; upon our faithfulness and good judgment, upon our disinterested service to the public, must depend in a large measure the advancement of the city which it is our privilege and honor to serve.

Thirty administrations have already served our city. The first began in 1872, when there was a population of only 12,000, and to-day we enter upon these responsibilities when more than 63,000 people dwell within our borders. Then the streets, public buildings, schools, water works and sanitary conditions corresponded to the light population. Now we are equal to nearly six municipalities—as large, in fact, as several other Massachusetts cities combined.

Somerville affairs have been well administered from the first, and it is a matter of pride that the citizens have, by an increased majority, expressed their confidence in the administration of the past year, in which it may be safely asserted that partisanship has had no part in the affairs of the city government, that no personal aspiration, individual prejudice, or spirit of favoritism has interfered with the best service of the citizens as a whole.

It is well, before entering upon the duties of another year, to take renewed devotion to the same high civic ideals that we have attempted to attain the past year.

The Financial Problem.

The chief responsibility of a city government is financial. This is the pulse of municipal honor and administrative efficiency. Wherever official corruption has disgraced a community, or inability has brought ruin, it has been closely associated with the monetary condition of the city.

Primarily, a city government is a great business interest. We have to do with the raising and spending of vast sums of money, every cent of which is needed in order to provide for the health and comfort, prosperity and peace, of our 63,000 residents. We could, with perfect ease, and without apparent extravagance or recklessness, expend thirty per cent. more money than we have to use. It is a grave problem to know how to get the maximum of civic and economic results on the minimum of income.

We are allowed only twelve dollars on a thousand for city maintenance. This seems severe at times, but it is a wise provision, and one that cannot be forgotten or ignored. Our valuation this year will be about \$55,000,000, and twelve dollars on a thousand will yield about \$660,000. Of this, nearly \$300,000 is needed for the schools alone, leaving less than \$400,000 for all other requirements.

In order to avoid an increase of debt, it is necessary to exercise the most rigid economy and the keenest foresight. Only one with such grave responsibilities can understand what it means to have many worthy causes, often championed by high-minded and influential citizens, clamoring for immediate attention. It would be easy for a well-meaning Mayor and Board of

Aldermen to yield to such pressure and jeopardize the city's well-being for many years.

It is of the utmost importance that the efficiency of every department be maintained. To this end the equipment must be kept up to the standard of effective service. To defer any outlay required for this is highly prejudicial to the city's welfare. To save money in these ways for use in other directions is thriftlessness, and might bring about conditions from which it would take years to recover.

In view of all these conditions, it is with pardonable pride that we recall the fact that, without permitting the deterioration of the equipment in any department, and without increasing the debt, we made several highly important improvements, and at the same time reduced the tax rate last year.

Funded Debt.

The total funded debt of the city January 1, 1901, was \$1,478,000. This debt was increased during the year \$146,000. It was decreased \$163,000, leaving the net funded debt January 1, 1902, \$1,461,000, a net reduction of \$17,000.

Taxable Property.

The total amount of taxable property is \$53,924,200, of which \$48,721,800 is on real estate, and \$5,202,400 on personal estate, including non-resident bank shares. At a rate of \$15.90 on each \$1,000 of valuation, the tax is \$857,394.78. There are 17,216 polls at \$2, making \$34,432. We received from street watering \$15,613.04, making the total tax levy \$907,439.82. Total number of persons assessed, resident and non-resident, 24,106.

Of the amount received in taxes, \$119,000 is required for the debt provisions; \$131,194.78 are state and county taxes, Metropolitan sewer, etc., matters over which the city has no control; \$295,800 is used for current expenses of departments, over which the Board of Aldermen has no control; \$311,400 is the amount for current expenses within control of the Board of Aldermen. The same statement, based upon the \$15.90 per thousand, is as follows: Of each \$15.90, \$2.43 are for State, County, and Metropolitan taxes; \$2.21 for debt requirements; \$5.49 for current expenses, over which the Board of Aldermen has no control;

\$5.77, current expenses within the control of the Board of Aldermen.

In addition to the amount received from taxes, there was available last year the sum of \$217,626.73 on water income account; we received \$28,156.86 from corporation and bank taxes; from the Clerk of Courts, \$3,815.37; from the County Treasurer for dog licenses, \$2,962.60; from the state, the street railway tax, \$52,200.46; unexpended appropriations of 1900, \$10,042.98; a total of \$314,805.00; making total receipts from taxes and other sources \$1,222,244.82.

The estimated borrowing capacity of the city January 1, 1902, was \$148,000. By the first of October this will be increased \$121,000, making a total borrowing capacity of \$269,000.

The City's Finances.

Funded Debt.—The funded debt of the city January 1, 1901, was as follows:—

Funded Debt, City Loan .			\$1,061,000 00
Funded Debt, Sewer Loan			150,000 00
Funded Debt, Paving Loan		•	60,000 00
Funded Debt, Water Loan			207,000 00
			A1 4 5 0 000 00
			\$1,478,000 00

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

Public Library Addition	\$8,000 00
Public Buildings Construction, School-	
house in Ward One	40,500 00
Public Buildings Construction, Shed at	
City Home	1,500 00
Prospect Hill Park	7,500 00
Sewers Construction	30,000 00
Sidewalks Construction	10,000 00
Powder House Boulevard	12,000 00
Electrical Department, Bell for Engine	
Two House	500 00
Contagious Disease Hospital and Land	
Contiguous to City Home Property .	20,000 00
Renewal of Funded Debt	16,000 00
Amount borrowed during the year .	\$146,000 00

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

Funded Debt, City Loan .	• (•	\$118,000 00
Funded Debt, Sewer Loan				8,000 00
Funded Debt, Paving Loan				5,000 00
Funded Debt, Water Loan		٠		32,000 00
Amount paid during the y	ear			\$163,000 00

Leaving the funded debt of the city January 1, 1902, \$1,461,-000 (a reduction of \$17,000 from the previous year), classified as follows:—

City Loan Bonds bearing interest at 31/2	
per cent	\$256,000 00
City Loan Bonds bearing interest at 4	
per cent	738,000 00
City Loan Bonds bearing interest at 41/2	
per cent	65,000 00
City Loan Sewer Bonds bearing interest	
at 3½ per cent	30,000 00
City Loan Sewer Bonds bearing interest at	
4 per cent	132,000 00
City Loan Sewer Bonds bearing interest	
at 4½ per cent	10,000 00
City Loan Paving Bonds bearing interest	
at 4 per cent	55,000 00
Water Loan Bonds bearing interest at	
4 per cent	165,600 00
Water Loan Bonds bearing interest at 5½	
per cent	10,000 00
Total funded debt January 1, 1902 .	\$1.461.000.00
Total funded debt january 1, 1802 .	φ1,401,000 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 sidewalk assessments, etc.

Taxes.—The assessors' warrant for the tax levy assessed upon the polls and estates of the inhabitants, as of May 1, 1901, was duly submitted to the collector.

The total amount of taxable property was \$53,924,200, and the rate established was \$15.90 on each \$1,000 valuation, as follows:—

Real Estate, valuation .			\$48,721,800	00
Personal Estate, valuation			5,133,400	00
Non-Resident Bank Shares	•		69,000	00
Total valuation			\$53,924,200	00

At a rate of	of \$15.90	on each	\$1,000) val	ua-		
tion						\$857,394	78
Pol	lls, 17,216	at \$2.				34,432	00
Str	eet Wate	ring .				15,613	04
Total	mount of number ident and	of pers	sons a	ssess	ed,	\$907,439	82

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

	Rates as- sessed on \$1,000 valu- ation.	Amount.
For current expenses within the control of the Board of		
Aldermen	\$5.775	\$311,400 00
Current expenses of depart-		
ments over which the		
Board of Aldermen has		
no control	5.486	295,800 00
Debt requirements	2.207	119,000 00
State and County taxes, Met- ropolitan Sewer Assess-		* 1
ments, National Bank tax and overlay account .		131,194 78
For total amount on a valuat	tion of	
\$53,924,200, at \$15.90 .		\$857,394 78
Poll taxes assessed credited to S	tate and	
County		34,432 00
Street Watering, in excess of am	ount ap-	
propriated		15,613 04
Total amount of tax levy .		\$907,439 82

The appropriations to the various accounts were as follows:—

ACCOUNTS WITHIN T	HE	CONTR	OL	OF T	HE	BOARD	OF ALDERMEN.
Assessors .							\$9,800 00
City Auditor							750 00
City Clerk .	٠					•	6,900 00
City Engineer		•					11,900 00
Amount carried	d io	rward					\$29,350 00

Amount brough	ht forwa	ard				\$29,350	00
City Messenger					•	2,350	00
City Solicitor						2,350	00
City Treasurer						11,000	00
Clerk of Committee	tees and	l De	partn	nents		4,000	00
Contingent Fund						4,500	00
Election Expense							
City Clerk						1,000	00
Commissione						1,000	
Pay of Electi				_		1,700	
Registrars of						1,800	
Electrical Depart						7,500	
Executive Depart					•	3,700	
					•	60,900	
Fire Department					•	4,500	
Inspection of Bu	•					· ·	
Military Aid					•	400	
Police Departmen	nt .	•	•	•	٠	31,500	
Printing and Sta					•	2,500	00
Public Buildings							
City Hall					•	4,000	
City Hall A					•	775	
Fire Departn	nent				•	4,500	00
Health Depar	rtment					1,000	00
Highways						500	00
Police .						3,500	00
Public Groun	ds .					100	00
Public Librar						3,500	00
Schoolhouses						42,500	00
Sewer Depar	tment					100	
Support of Po						925	
Water Depar						150	
Public Grounds	CIII2CIIC		•	•	•	9.500	
Sealer of Weight	c and T	· //		•	•	1,300	
				•	•	15,000	
				•	•	· · · · · · · · · · · · · · · · · · ·	
Somerville Hospi				•	•	5,000	
Street Lights	• •	•	•	٠	•	49,000	
Total amoun	t assess	ed o	n a v	aluat	ion		
of \$53,92	4,200, a	it \$	5.775			\$311,400	00
CCOUNTS OVER WHICH	THE B	OARI	OFA	ALDER	MEN	HAS NO CO	NTR
Health Departm						\$34,800	
Public Library			•		,	14,000	
School Continger				•	•	21,000	
School Teachers'				•	•	203,000	
Exhour reachers	Salarie	5 .	•	•	•	205,000	00

Amount brought forward	\$272,800 00
Support of Poor, City Home	4,000 00
Support of Poor, Miscellaneous	19,000 00
Total amount assessed on a valuation	1
of \$53,924,200, at \$5.486	. \$295,800 00
ACCOUNTS PROVIDING FOR DEBT REQUI	REMENTS.
Interest	\$45,000 00
Reduction of Funded Debt	74,000 00
Total amount assessed on a valuation	
of \$53,924,200, at \$2.207	\$119,000 00
PROVIDING FOR STATE AND COUNTY TA	XES, ETC.
State Tax \$30,625 00	
Deduct one-half of poll taxes . 17,216 00	
, bedder one han of poil tailes.	\$13,409 00
County Tax \$55,129 32	
Deduct one-half of poll taxes . 17,216 00	
	37,913 32
Metropolitan Sewer Assessment	41,195 19
National Bank Tax	1,097 10
Overlay and Abatement	37,580 17
Total amount assessed on a valuation	
(II N.L.) 27.44 / III 31 N. 43.4	\$131 194 78
of \$53,924,200, at \$2.432	\$131,194 78
In addition to the above, the following	, ,
	, ,
In addition to the above, the following	appropriations v
In addition to the above, the following made from the various income accounts:— From the income of the Water Works:-	appropriations v
In addition to the above, the following made from the various income accounts:— From the income of the Water Works:-	appropriations v — \$30,000 00
In addition to the above, the following made from the various income accounts:— From the income of the Water Works: Water Maintenance	appropriations v — \$30,000 00 25,000 00
In addition to the above, the following made from the various income accounts:— From the income of the Water Works:- Water Maintenance	appropriations v \$30,000 00 25,000 00 8,270 00
In addition to the above, the following made from the various income accounts:— From the income of the Water Works:— Water Maintenance	appropriations v
In addition to the above, the following made from the various income accounts:— From the income of the Water Works:- Water Maintenance	appropriations v \$30,000 00 25,000 00 8,270 00 56,816 76
In addition to the above, the following made from the various income accounts:— From the income of the Water Works:- Water Maintenance	appropriations v \$30,000 00 25,000 00 8,270 00 56,816 76 500 06
In addition to the above, the following made from the various income accounts:— From the income of the Water Works:- Water Maintenance	appropriations v \$30,000 00 25,000 00 8,270 00 56,816 76 500 00 10,350 00
In addition to the above, the following made from the various income accounts:— From the income of the Water Works:— Water Maintenance	appropriations v \$30,000 00 25,000 00 8,270 00 56,816 76 500 00 10,350 00 6,440 00
In addition to the above, the following made from the various income accounts:— From the income of the Water Works:— Water Maintenance	appropriations v \$30,000 00 25,000 00 8,270 00 56,816 76 500 00 10,350 00 6,440 00 32,000 00

. . . \$217,626 73

Total

From the Income from the State and Co	ounty:—
Police, the amount received of the state for corporation and bank taxes Police, the amount received of the clerk	\$28,156 86
of courts for fines, costs, etc. Public Library, the amount received from	3,815 37
the county for dog licenses Highways Construction, from the receipts	2,962 60
from the state for street railway tax. Highways, Maintenance, from street rail-	10,876 27
way tax	18,324 19
from street railway tax Sidewalks, Maintenance, from street rail-	18,000 00
way tax	5,000 00
Total	\$87,135 29
Balance of Excess and Deficiency account for 1900, appropriated for street lights.	\$10,042 98
Total from Water Income, from State and County, and from Ex-	
cess and Deficiency balance	\$314,805 00
The aggregate appropriations from the income were as follows:—	tax levy and from
From tax levy	\$907,439 82

From income

314,805 00

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

	Yea	R.				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 . Dec. 31	, 1872 1873 1874 1875 1876 1877 1878 1879 1880 1881 1882 1883 1884 1885 1886 1887 1888 1889 1890 1891 1892 1893					\$593,349 643,354 809,354 1,419,854 1,571,854 1,606,854 1,606,854 1,596,854 1,585,000 1,585,000 1,585,000 1,585,000 1,585,000 1,585,000 1,525,000 1	\$50,005 166,000 610,500 152,000 45,000 10,000 25,000 130,000 150,000 45,000 253,000 222,000	*\$55,130 62 *58,828 58 61,004 64 64,915 76 55,739 35 58,498 64 61,390 59 64,479 01 67,719 33 71,305 66 66,894 23 70,252 88 37,000 00 38,000 00 45,000 00 57,000 00 104,000 00 137,000 00	\$2 07 2 30 2 91 3 42 2 72 2 59 2 65 2 70 2 78 2 87 2 57 2 56 1 28 1 27 1 38 1 55 2 73 3 27
66 66 66 66 66	1894 1895 1896 1897 1898 1899 1900 1901	•	•	•	•	$1,344,500 \\ 1,506,500 \\ 1,531,000 \\ 1,548,000 \\ 1,552,000 \\ 1,492,500 \\ 1,478,000 \\ 1,471,000$	$172,000 \\ 247,000 \\ 177,000 \\ 167,000 \\ 176,000 \\ 110,000 \\ 152,000 \\ 146,000$	$\begin{array}{c} 107,000 \ 00 \\ 85,000 \ 00 \\ 152,500 \ 00 \\ 150,000 \ 00 \\ 172,000 \ 00 \\ 169,500 \ 00 \\ 166,500 \ 00 \\ 153,000 \ 00 \end{array}$	2 42 1 83 3 11 2 39 3 99 3 30 3 17 3 52

^{*\$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		٠	٠	15 00
1875				31,317,000				518,161 40	•			16 20
1876				26,573,400	•	•	٠	504,475 24				$18 \ 60$
1877				25,479,400				471,789 14		•	•	18 10
1878	•			20,976,900	•	•	٠	409,497 10	•	•	•	$19 \ 00$
1879				18,950,100		•	•	352,55380	•			18 00
1880			1.	20,458,100	•		•	402,927 71	•	•	٠	19 10
1881			•	22,569,100	•	٠	•	452,945 45	•	•	•	$19 \ 50$
1882			•	$23,\!162,\!200$	•		•	425,721 16	•	•	•	17 80
1883	٠		•	23,812,900		•		411,645 43	•	•	•	16 70
1884				24,331,100		•	٠	418,750 26	•	•	٠	16 60
1885			•	24,878,400	٠	•		428,605 44	•	•	٠	16 60
1886	•	•	•	26,003,200	•	•	٠	416,987 28	•	•	٠	15 40
1887	•		٠	27,471,800	٠	•	•	424,309 14	•	•	•	14 80
1888	•	•	•	28,765,400	•	•	•	421,458 60	•	•	•	14 00
1889	٠	•	•	30,004,600	٠	•	•		•	•	٠	14 00
1890	•	•	•	32,557,500	•	•	•	, , , , , , , , , , , , , , , , , , , ,	•	٠	•	14 00
1891	•	•	•	36,843,400	•	•	•	,	•	•	•	14 00
1892	•			38,093,100	•	•	•	596,357 50	•	٠	•	15 00
1893	•	•	•	41,873,600		•	•		•	•	•	15 50
1894	•		•	44,142,900	٠	•	•	,	•	•	•	15 70
1895	•	•	•	46,506,300	•	•		,	•	٠	٠	15 40
1896	•	•	•	49,070,800	•	•	•	· · · · · · · · · · · · · · · · · · ·	•	٠	•	15 40
1897	•	•	•	50.231,000	•	•	•		•	•	•	17 30
1898	•		•	50,739,700	٠	•	•	,	•	•	•	17 90
1899	•	•	•	51,262,400	•	•		882,580 96	•	•	•	16 30
1900			•		•	•	•	,	•	•	•	16 00
1901		•	•	53,924,200	•	•	•	907,43982	•	•	•	15 90

Highways.

There is no reform more widely discussed nor more energetically advocated than that which involves the improvement of our streets and highways. During the past year large sums of money have been expended for permanent pavements of brick, asphalt, and macadam, and this work has received more careful attention than during any previous year.

In the days of our fathers the question of good roads received very little attention. They aimed to build as many roads as possible, regardless of their quality, and the roughest specimen of roadway would answer the purpose for which it was intended. With the coming of the bicycle and the automobile the situation has changed, and to-day the demand is for better roads everywhere.

Among the works of particular importance done on our highways this year are the following:—

In Union square 3,625 square yards of paving have been relaid, 210.7 yards of crossings relaid, and 111.1 feet of edge-stones reset.

Cross street, from Broadway to Tufts street, a distance of about 2,150 feet, has been paved with Trinidad asphalt, the contract for the work having been awarded to the Barber Asphalt Paving Company, for the sum of \$3.58 per square yard, the company giving a bond of \$7,000 and a ten years' guarantee for the work performed. Five thousand, three hundred and eighty cubic yards of old road material were removed from this street and used in raising Mystic avenue and Middlesex avenue to sub-grade; 4,400 feet of edgestones were reset, 3,370 square yards of brick sidewalks were relaid, and 217.4 square yards of vitrified brick crossings were laid at intersecting streets.

The Boston Elevated Railway Company has laid double tracks in Cross street, from Broadway to Medford street, a total length of 3,000 feet. The parcel of land purchased by the company at the corner of Cross and Medford streets has been deeded to the city, and great improvement has been made by lengthening the curve at this point, and thus doing away with noise of cars rounding the short curve. There are at present 29 1-3 miles of electric tracks in the city.

As suggested in my inaugural of last year, the first and most important work of the Highway Department is to put in first-class condition the main avenues. Following this advice, Highland avenue has been repaired its entire length, from Medford street to Davis square, and Broadway has been put in first-class condition from Charlestown Neck to the Arlington line.

Thirteen streets have been accepted during the past year under the betterment act. I strongly advise the continuance of the policy of the past two years,—that streets should be laid out under the provisions of law authorizing the assessment of betterments.

Twenty-eight streets have been constructed or re-surfaced, a total length of about seven and one-half miles, at a cost of about \$25,000. An amount of \$12,000 has been expended outside of this for general repairs and patching streets, making a total of \$37,000 laid out for work on the roadways. Thirteen streets, a total length of 1.12 miles, have been accepted.

The total length of public streets in the city is 62.96 miles, and private streets, 28.9 miles.

One thousand, one hundred and sixty defects in streets and sidewalks have been reported by the Police Department, and

have received immediate attention. Thirty-three thousand and forty-four feet of streets have been dug up for the purpose of laying sewers, water pipes, gas pipes, and wires.

Eleven thousand, one hundred and twenty-six loads of debris, 4,195 loads of old macadam, 9,280 loads of street sweepings, 4,788 loads of snow, and 1,324 loads of ashes have been carted away during the year.

Since the building of the subways at Kent and Sacramento streets, great inconvenience has been encountered during storms by the subways being filled with water. It is expected that by the recent installation of an automatic pump the difficulty will be obviated.

Following the suggestion of the Street Commissioner, I would recommend that Pearl street, from Cross street to Gilman square, and Medford street, from Gilman square to Dartmouth street, be resurfaced; that College avenue, from Powder House square to the Medford line, be reconstructed; that Somerville avenue, from Kent street to Elm street, and Medford street, from Broadway to Lowell street, be paved.

Sidewalks.

One of the most urgent requirements of the year will be the relaying of sidewalks in the older portions of the city, notably in East Somerville, where the walks were first laid in the city. Not only were they not made as well in those early days as now, but the growth of the trees and various other causes have combined to make them seriously defective, inconvenient, and unsightly. Practically the entire district should be given new sidewalks.

It is well to re-emphasize the fact that the sidewalks are in even more constant use than the streets, and the comfort of the citizens and the beauty of a city are largely enhanced by good sidewalks.

Ten thousand, eight hundred and ninety-two and seventenths square yards of brick and granolithic sidewalks have been laid; 23,006.3 feet, or over four miles, of edgestones have been set; 655 square feet of granite flagging crossings, and 425 square yards of vitrified bricks (93 square yards of which were in driveways) have been laid or relaid; and 35.5 square

yards of paving and flagging crosswalks and 37 square yards of asphalt crossings have been constructed.

The total length of brick sidewalks with edgestones in the city is 57.84 miles; gravel sidewalks with edgestones, 32.61 miles.

The completion of the wall at Professor Norton's estate on Beacon street has greatly improved that part of the street. Two hundred dollars, Professor Norton's share of the expense of this work, has been paid to the City Treasurer, as per agreement.

Watering Streets.

An earnest effort has been made the past year to keep the dust laid throughout the entire season. It is no easy matter to accomplish all that is desirable in the early spring and late autumn. This force is under the direction of an efficient assistant to the Street Commissioner, and the service has been performed in a most satisfactory manner, as is shown by the fact that exceptionally few complaints have been made of the way in which the streets were watered. No money expended is more appreciated by the citizens as a whole than that for watering the streets.

Under an act passed by the Legislature authorizing cities to water streets, and to assess the cost to the abutters, 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 \$80 per month, per cart, being paid to each contractor, who furnishes a pair of horses and a driver. There are twenty-six 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 district properly watered at all times, Sundays included.

Bridges.

The situation is the same in respect to railroad bridges that it was one year ago, and we can only repeat with added emphasis that 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 advan-

tage 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 Boston and Lowell railroad, and the replacing of the bridge connecting the two portions of Lowell street. This bridge was one of the first erected over the railroad in Somerville, and its abandonment was due to the assumption that "Polly Swamp" was not to be built up; but this street, on both sides of the railroad, is now very thickly settled. It has been thoroughly rebuilt, almost in its entire length, from Medford street to Somerville avenue, constituting first-class approaches to such a bridge. No improvement would accommodate more persons than the replacing of this structure, and a movement should be at once inaugurated to require the Boston & Maine Railroad to rebuild it as a public necessity, as well as convenience.

Plans have been made and legislation is under way whereby the old Middlesex-avenue bridge over Mystic river will be replaced by a new and wider structure, designed for carrying the boulevard travel and heavy traffic combined, to be built under the direction of the Metropolitan Park Commission; in conjunction with this work our city proposes a change in the bulkhead, or property line, along the river front at this point, which will lessen the length of the new bridge, and also add more taxable property to the city's valuation.

Grade Crossings.

The matter of grade crossings is deserving of the most careful consideration. The present numerous street crossings over railroads at grade are the cause of great inconvenience, both to pedestrians and persons using street cars and vehicles, as well as a constant source of danger.

I would recommend that such legislation be urged, at an early date, as will accomplish the abolition of these crossings.

Engineering Department.

Under this department is carried on a varied line of work. There is no department of the city which does not require information or assistance from it, and hardly an order is passed by the City Government but what some portion of the work before

completion comes under the Engineer's Department in some form, and in many cases the designing and entire construction work is done by it. The employment of twenty assistants at various times during the year has been required by this department.

A number of street names have been changed during the year, new streets numbered, and various old streets renumbered. The numbering of all buildings throughout the city was completed prior to May first, enabling the assessors to locate property more accurately.

Lines and grades have been given for laying over three miles of new water mains, and all hydrants, gates and water services accurately located and recorded in this office for future reference.

All plans filed at the Registry of Deeds, East Cambridge, showing property in Somerville, have been copied and indexed, and abstracts made from all deeds where assessments have been levied for sewers and sidewalks constructed and streets accepted.

Eight granite tablets, suitably inscribed, have been made, and are to be erected in different parts of the city to mark historical points of interest.

The City Engineer suggests that a set of block plans could be made of the entire city from accurate surveys made during the past twenty-five years, and compared, section by section, with the deed dimensions and areas recorded in the Assessors' Department. In this manner the correct areas of land could always be determined; this set of plans would also be of value to the Water Department and various other city departments, and would more than pay for the cost of making.

Stone bounds should be set at all intersections whenever new streets are laid out, so that the lines and angle points may be accurately defined and preserved for future reference. This important matter has been neglected for the past twenty years.

The City Engineer has direct charge of all sewers and parks, and we are fortunate in having a man of such large executive ability to assume this varied responsibility.

In this connection, attention should be called to the need of the greatest possible efficiency for the least expenditure. We simply have not the money to do all that is desirable, so that every dollar saved is of the utmost importance. A year's careful observation and study of conditions makes it apparent that the day is not distant when the streets, sewers and parks should all be brought under one head, presumably under the City Engineer. The Highway Department, outside of the Engineer, requires a good administrator, an official director of men, a technical superintendent. Large ultimate saving would result from such a change.

Sanitary Conditions.

Every year magnifies the importance of the most approved sanitary arrangements. It is a relief when a year passes with no alarming epidemic. When we realize that 63,000 persons are living above a network of sewers, which reach into every house and into school buildings in which 13,000 children spend several hours each day, one shudders at the liability of dread diseases. It speaks well for the Board of Health and the Sewer and Public Buildings Departments that no flaw in our sanitary arrangements has caused inconvenience or danger.

In two respects the year has been memorable. Two controversies with the Boston & Maine railroad officials, one of fourteen years' standing having annoyed five administrations, have been settled in a manner highly satisfactory. One year ago attention was called to the urgent need of immediate relief in the vicinity of Morrison avenue and Willow avenue by means of an overflow drain along the northerly side of the Lexington and Arlington Branch railroad, with outlet into Tannery prook storm drain at Davis square. The obstacle in the way of this was the attitude of the Boston & Maine railroad authorities. Their objections have been overcome, and their permission has been granted. The other and more serious sanitary complication was in connection with the drainage of the eastern district of the city into the Mystic river through the Boston & Maine lands. This has been settled by the agreement of the Boston & Maine road to build and maintain the sewer at its own expense, and to the entire satisfaction of the City of Somerville, giving us for all time an easement of twenty feet, or absolute right of way, for purposes of examinations or of cleaning the sewer, of a tract of land twenty feet wide above the sewer, throughout its entire length. This will save the city upwards of \$50,000, and will give us every right and privilege desired. It will also tend to bring into the market for building purposes, at no distant day, a large and valuable tract of land.

The outlet of the "Tannery Brook Drain," so called, in Cambridge, has been extended the past year through the Laminar Fibre Company's land and under Muller's tannery buildings, by agreement with these parties, completing the outlet on this work commenced in the year 1896, over which there has been much controversy as to water rights.

The capacity of the Somerville-avenue sewer between Belmont and Lowell streets has been increased by the laying of a 24-inch pipe drain for storm water. This will partially relieve the flooding heretofore experienced in this locality.

The Cedar-street sewer, in the vicinity of Summer street, has been of insufficient capacity for years, and was reconstructed and enlarged between Sartwell avenue and Highland avenue, a length of 1,175 feet, and at the same time two small pipe sewers laid on each side of the large storm drain structure with which the house drains were connected, so that in the future there will be no cause for complaint on account of back water from the sewer in times of heavy storms. By the extension of this small side sewer along the northerly side of Highland avenue, a few houses in this locality that are occasionally troubled with back water in rain storms will be relieved.

The length of storm drains constructed during the year amounts to 3,497.5 feet.

In the southwesterly part of the city the "separate system" sewers (those taking house drainage only) have been extended in various streets, ten in number, a length of 7,574.5 feet. This practically completes the system in this section, with the exception of a few laterals to be built.

The only portion of the city that remained unconnected with the Metropolitan sewer system has been so connected during the year by the construction of a regulator chamber and connections at North Union street.

In other parts of the city eleven sewers have been laid, as petitioned for during the year, a length of 4,777.7 feet, and the cost assessed on the estates benefited.

The total length of all sewers constructed for the year past has been 14,037.5 feet (2 2-3 miles).

The total length of sewers in the city is 80 miles; total length of storm drains, 3.66 miles.

Forty-seven catch basins have been constructed during the past year, and as the storm drain system is added to, year by year, the old sewer system improved, and new basins built, the drainage of streets can be taken care of better.

There are 1,165 catch basins in the city for street drainage. The maintenance of the entire sewerage system, such as cleaning and repairing the mains, catch basins, drains, etc., is an important item in the city's welfare as to the sanitary condition; and every day of the year sections of these underground channels are being scraped, flushed, and kept in working order.

Three hundred and eighty-eight permits have been issued to licensed drain layers for connecting houses by new drains, and twenty old drains have been repaired during the year. The cost of maintenance for the year has been about \$10,200, and the new construction work has amounted to about \$41,150.

Health of the City.

We are again to be congratulated on the health of the city, and for this great credit is due to the watchful care of the able chairman of the Board of Health, Allen F. Carpenter, and the agent, Caleb A. Page, who are always on the watch and alert to meet any case which may be detrimental to the public health.

The board has had a busy year; all pedlers desiring to peddle in the city must first obtain a permit, and under this regulation 123 permits have been issued during the year.

Twenty-eight petitions to keep 150 cows have been received; twenty-five petitions have been granted to keep 129 cows and three petitions have been refused to keep twenty-one cows.

Thirty-nine petitions have been received to erect and occupy stables, twenty-three of which were granted, fourteen were refused, and two have been referred to the board of 1902.

Fourteen licenses have been granted to undertakers, and two have been refused.

Sixteen permits to keep swine have been granted and two refused, and four permits have been granted to keep goats.

Thirteen persons have been licensed to collect grease.

Over 900 nuisances have been abated, and twenty-five diseased horses have been killed.

Three hundred and thirty-seven cases of diphtheria have been reported during the year, with twenty-eight deaths, against 520 reported in 1900, with forty-nine deaths; 130 cases of scarlet fever have been reported against 231 in 1900, with seven deaths for each year; and seventy-eight cases of typhoid fever have been reported, with ten deaths, against seventy-two in 1900, with nine deaths.

Smallpox having broken out in Boston and the surrounding cities, every precaution has been taken to prevent the spread of the dreaded disease in this city; fifteen physicians have vaccinated free all persons seeking vaccination, the city providing the physicians with the vaccine virus points, and paying them twenty-five cents for each person so vaccinated. Fifteen thousand circulars were distributed at the houses by the police, urging all persons to be vaccinated; 10,800 points were furnished the physicians, and it is estimated that at least 15,000 persons were vaccinated, including those who employed their own physicians at no expense to the city. I wish to express at this time my appreciation of the promptness with which our people responded to the call to be vaccinated. In my judgment it has done much to check the spread of the disease in a city so thickly populated as our own.

A contagious hospital has been purchased during the year, which was the house formerly situated on the Cook estate, on Broadway near the Arlington line. The building has been moved to land formerly purchased by the city, known as Wild Cat hill, and is remote from other buildings. It has been fitted for the care of smallpox patients, and four persons have been cared for in the house by a very efficient nurse. Three of these are convalescent, and will be fully recovered in a few days.

One other smallpox patient, a woman, is quarantined at her home on Dell street.

Eight hundred and twenty-three deaths have occurred during the year against 967 deaths during the year 1900, which, with a largely increasing population, shows a most satisfactory record as regards the health of the community.

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 schoolhouses and other public buildings; also the supervision of all poles, wires and lights in the city.

During the year a new tower bell has been placed in the building of Engine 2. Two new fire-alarm boxes have been located, one at the electric light station, and one on Lowell street, near the Bingham school. A new fuse board has been installed at the Fire Alarm headquarters in the Central Fire Station, thus adding greatly to the safety of the instruments from damage by electric light currents or lightning.

I would renew my recommendation of last year, that the wires of this service be placed underground, and also recommend that a move be made towards securing legislation compelling the companies using high tension wires to bury a portion of them each year.

The Commissioner of Electric Lines and Lights recommends that arrangements be made for placing one or more whistles in connection with the fire-alarm service, as the recent growth of the city makes the present system of bells inadequate to warn all the firemen of alarms, but more particularly to notify all teachers and pupils of the no-school signal in stormy weather.

Street Lighting.

During the year there have been installed forty-four arc lights and 131 incandescent lights, making a total of 449 arc lights and 410 incandescent lights. All the arc lights are of the latest improved pattern enclosed lamps. The contract with the Welsbach Street Lighting Company having expired, their lights were removed and replaced by incandescent lamps, with the exception of three which have been retained in Westwood road, as the residents objected to the placing of the large wooden poles in the new granolithic sidewalks. The expense to the city will be the same as for incandescent electrics—\$30 per year, the residents paying the excess of \$18 per light, which is to be charged on account of the small number of lights. The city at the present time I consider one of the best-lighted in the Commonwealth, and, with the exception of some of the territory now being built upon, very few new lights will be needed in the ensuing year. The number of lights already installed entails an annual expenditure of more than \$61,000. This amount of money seems to me to be exorbitant, and out of proportion to what ought to be expended, when our income is considered. Serious thought should be given to this matter.

The time is approaching to consider seriously the advisability of putting in a city plant for the lighting and heating of all the city buildings on Central hill. It costs \$1,800 to light the Public Library alone, and as much more to light the other buildings. This amount represents four per cent. interest on \$90,000. If an investment of \$50,000 would give us better service than we get at present, it would be wise economy to prepare for such independence.

Buildings Department.

This department has the general custody and care of all public buildings, alterations on same, and erection of new buildings, together with inspection of all new structures, public and private. It is responsible for the proper observance of all building and plumbing regulations. To it is also committed the employment and direction of all schoolhouse and other janitors.

Among the more important work accomplished this year is the following:—

Completion of the Benjamin G. Brown schoolhouse in Ward 6, and the George L. Baxter schoolhouse in Ward 2;

Preparation of plans and construction of the new Clark Bennett schoolhouse, now in process of erection in Ward 1;

Completion and furnishing of the new stack-room in the Public Library; installing of a new system of sanitation in the Lincoln schoolhouse: laying of new floors in the Bell schoolhouse; extensive repairs, installation of bathroom, etc., in the Police building; erection of a new wagon shed for the Health Department.

About 1,350 inspections of private buildings have been made, while such were in process of erection, besides the required work of plumbing inspection.

Public Grounds and Boulevards.

Somerville is now admirably supplied with small parks and playgrounds. No city in the country, probably, now has a population so universally well-provided for in this respect. There is no residence more than one mile from some well-appointed park

or playground. During the past year, both Lincoln Park and Franklin Park have been well supplied with athletic appliances, equal to those of any large city playground.

It is expected that, by an agreement with the Metropolitan Park and the Harbor and Land Commissions and the Boston and Maine Railroad, the railroad authorities will fill in the Mystic marshes, making a narrow river and a better channel. This will add materially to the taxable property of the city. In this connection it is hoped that an attractive bathing beach can be made for the use of Somerville citizens, at slight cost. This will be of much interest to our citizens.

The Powder House Boulevard has also been completed, which, taken in connection with the Nathan Tufts Park, is a highly attractive feature of the city. It will add greatly to the value of this boulevard if it can be extended in the city of Medford to the Mystic Valley Parkway, which can be done for comparatively small cost. Steps should be taken at once to arrange with the Metropolitan Park Commission to take this boulevard and connect it with said parkway, and maintain it in its entire length as a part of the Metropolitan system. Somerville has made a beautiful driveway of this at an expense of about \$35,000, and it will add materially to the perfection of the Metropolitan system.

The next important feature of the Somerville park system is the grading and filling upon the Prospect Hill Park, the land for which has already been purchased. The completion of this work will add more than anything yet done for the beautifying of the city. It is one of the most interesting historic spots in America. From this hill floated the first American flag; here was made the first successful stand against the British aggression in 1775. The time has come for the perfecting of this, one of the most sightly spots in the Metropolitan district. If laid out as designed, a roadway connection over the hill and through the park to Union square will be constructed, and a portion of the old hill will remain as a Revolutionary mark.

A piece of land comprising about 4.4 acres located between Broadway and the Powder House Boulevard, near Nathan Tufts Park, has been leased by Tufts College to the city for a term of ten years, free of rental, for an athletic field; the city is to grade and fence the property and construct seats and dressing rooms. A

portion of the field has been graded and will be completed in the early spring.

Another ball field in process of construction is located at the corner of Broadway and Cedar street, and the grading will be completed within a short time.

The lot of land at Glen and Oliver streets could be improved in shape as a playground, by exchanging an area of the city's lot on Oliver street for the vacant land in the rear of the present lot; also the enlargement of the Webster avenue lot, by taking the land through to Columbia street, would make this small playground more desirable.

The outlook of our beautiful Central Hill should not be further encroached upon, beyond what new high school accommodations may, perhaps, render necessary. The view from this park is unsurpassed near Boston, and we should seek to add to, rather than detract from, the sightliness of our commanding hills.

Paul Revere Park.

At the junction of Broadway and Main street there has been laid out a miniature park, which has been designated by the historic title "Paul Revere," whose ride, in which he passed this very spot, has been so emblazoned in history. It is hoped that the munificence of the public-spirited citizens of Winter Hill will in the near future result in placing upon this spot an imposing equestrian statue of this hero of the "midnight ride."

Clarendon Hill Ledge.

A question of considerable moment to a large number of residents of West Somerville is the disposition of the Clarendon hill ledge property on Clarendon avenue. That it cannot indefinitely remain in its present condition must be admitted. It is, in a measure, a menace to life and limb and a preventive factor against the development of neighboring property.

The City Engineer has prepared a plan which goes a great way, at least, toward solving this perplexing problem. It comprehends the lowering of the altitude of the precipice by blasting away the valuable stone at the top and filling in the excavation already existing; the construction of Clarendon avenue so as to connect Broadway and Massachusetts avenue; and ultimately, the

conversion of the ledge property into an attractive pleasure park. The necessary blasting could be done without danger or annoyance, as was demonstrated last spring in that part of the ledge owned by the City of Cambridge, if conducted under the supervision of proper officials and at given hours each week. The refuse stone could be utilized for filling, but the bulk of such material would consist of the ashes and other solid matter collected by the city, and this would, for a considerable time, be of decided advantage to the Health Department.

The City of Cambridge and residents of Somerville, as well as outside parties, are owners of this property, and are directly interested in its proper disposal, and it is to be hoped that action looking toward some such amicable and advantageous adjustment of this problem, which has so long occupied the minds of many people, may be arrived at early in the year.

Connecting Fells and Fens.

Ultimately the Fells and Fens will be connected by a beautiful boulevard through Somerville and Cambridge, but for various reasons this is not an opportune time to press for its immediate accomplishment. It could not be secured without carrying with it several other park and boulevard schemes, and until the rates of assessment upon the cities and towns of the Metropolitan District have been agreed upon, and until payments have been made, the Governor will not sign any bill calling for large outlays, and the public sentiment of the state will sustain him in this position. It is less a question as to when the Fells and Fens are connected than it is that the plan be satisfactory and the time opportune. An injudicious agitation of the matter this year might postpone the accomplishment of it many years.

Schools.

There is more and more cause for congratulation over the Somerville schools.

The past year the women teachers have had the advantage of the increase in salaries voted the previous year. This was deserved, but its full significance can only be appreciated when it is understood that this increase absorbed sixty-five and one-quarter per cent. of the entire additional tax income from the annual increase of assessment, which means that it is the annual tax on nearly \$875,000 of property.

In this connection it must be borne in mind that the cost of maintenance of the city must be increased only in emergencies, or from the greatest necessity. This is especially applicable in connection with additional accommodations for the high schools. It must be kept in mind that the additional rooms should not necessitate great additional expense for maintenance.

It is not the province of the Mayor to pass judgment on the action of the School Board in the matter of salaries, or upon the proportion of high-salaried teachers, but he may be pardoned if he urges the application of strict business principles. All business men understand how easy it is to increase salaries, and to increase the proportion of high-salaried employees. With a twelve-dollar limit to the tax available for the maintenance of the city, the School Board should strive to keep its expenditures as low as is practicable. The law gives the School Board exceptional powers in the voting of money, but this law did not anticipate a time when such absolute authority was to absorb a large portion of a limited taxation.

Two new elementary school buildings must soon be erected, one in West Somerville and one in Ward Five. This ought to put the city beyond the necessity of providing more schoolhouses for the elementary schools for several years.

It is apparent that something will have to be done at an early day to relieve the congestion in the English High School. Unfortunately, it is not so satisfactory from the standpoint of sentiment or of artistic effect to provide extra accommodations for the English High School as it would be to provide a beautiful new building for the Latin School. The only pressing need of the Latin School is for adequate modern laboratories. It will require wisdom to do that which will be ultimately best for both schools under the circumstances. It will be unwise to make any temporary provision. While it would be better to wait, however great the inconvenience, than to do the wrong thing now, I think the Board of Aldermen, Department of Public Buildings, and the School Board should be able to develop some plan by which abundant provision can be made this year for the English High School and its manual training plant, and at the same time pro-

vide the Latin School with all desired laboratory appointments and lunch room.

The People's University.

The scope of our Public Library has been greatly broadened

the past year.

The new stack-room has been completed and is now ready for occupancy. It adds a capacity of upwards of 40,000 volumes to the Library. All the books in circulation are now free of access to the entire public. This plan will eventually double the usefulness of the institution.

The card catalogue, upon which all the available force of the Library has been engaged during three years, was completed last May. It has been a work of great labor and considerable expense, but one of which there was an imperative need. It is a most valuable addition to the equipment of the Library.

The old card catalogue has been placed with the West Somerville agency and completely brought up to date.

The Library and the schools have co-operated as closely as if they had been a single department under a common supervision. The Library management believes that through the schools its most salutary influence may be exerted.

There has been a marked increase of interest in the Art and Music departments.

A system of house-to-house delivery of books has recently been inaugurated. Fifteen sections of the city have been assigned to boys, who deliver books to patrons at the rate of two cents per book. This system is working well; but it will take a number of months to put it on a stable basis. It ought to work a revolution in library methods.

The people of West Somerville are urging the establishment of a branch reading room in that section of the city. A joint committee of the West Somerville Board of Trade and of the Public Library Trustees now has the matter under advisement.

Assessors' Department.

The Board of Assessors has held during the year, in addition to the work done out of doors in visiting, examining and listing property, fifty-one meetings, a large part of which have been for hearings on applications for abatement and exemption. During

the fall months, after the tax bills are issued, an average of about forty cases are heard at each meeting.

Descriptions of the real estate on which the taxes of 1900 remained unpaid have been furnished the Collector of Taxes, preparatory for the sale of said real estate, involving examination of title, preparation of accurate description, and search for all owners subsequent to May 1, 1900, on between 1,150 and 1,200 parcels of real estate.

The work of this department is highly important in the continuance of the financial prosperity of our city, and we are most fortunate in having the services of a board of marked ability and sterling integrity.

Police Department.

The Police Department has maintained its high standard during the past year.

In the matter of liquor raids and seizures it has been unusually active. The number of persons prosecuted for violating the liquor laws was twenty-three, which is more than in any one year since 1896, and sixteen more than in the year 1900. There seems to be a strange fascination for certain persons in the selling of intoxicants in defiance of the law. The success of the Nolicense law depends upon the closing of the kitchen bar-rooms and mongrel clubs of unworthy citizens. Such enforcement of law will ultimately drive from the city those base natures that seem to demand for their comfort the privilege of violating law. This warfare must be incessant, until the prison bars close upon those who are persistently defiant.

Another occupation for the police force, that does not promise early escape, is the apprehension of the burglar. The sum total that burglars get in a year from Somerville is a mere trifle, and they seem never to resort to force, and yet such is the inherent love for this special form of misdoing with a certain class in the community that the police must be ever on the alert. With the general use of the telephone, it ought to be the habit of all citizens to notify police headquarters of the presence of suspicious characters seen about houses or loitering on the streets.

The department was increased in April by the appointment of three additional regular patrolmen, and now consists of forty-seven regular and eight reserve officers; total, fifty-five.

The police station has been thoroughly repaired, a good system of ventilation and a very good bathroom and other necessary sanitary conveniences provided. It will soon be necessary to provide additional lockers for the present number of patrolmen, and a place to accommodate a squad of officers to be held in reserve during the nighttime. Other improvements needed are: More stable room and a new carriage house, to accommodate the men and horses, and for storage of the three wagons, including the ambulance, a pung, and a light driving carriage for the use of the department; this can be done cheaply by building upon the wooden carriage shed an addition, for which plans have already been prepared.

Fire Department.

The efficiency of the Fire Department challenges our admiration. No one unfamiliar with the conditions can appreciate, as does a Mayor, whose thought is at all times upon the protection of all the citizens, what it means to have a fire department so alert that under all provocation it reaches the scene of danger in season to arrest the development of what might easily become a disastrous conflagration.

The past year has been a fortunate one, in that Somerville has suffered few serious losses by fire. Upon each and every occasion when the department has been called upon to respond to an alarm, the firemen have put forth their best efforts to maintain that high standard of efficiency which their work in the past has gained for the department.

There have been five fires when the situation was such as to necessitate the ringing of a second alarm in order to afford protection to nearby industries. The success with which these fires have been handled demonstrates the value of good fire apparatus, an abundant water supply, and what is of even greater importance—intelligent firemen, endowed with bodily strength to endure the fatigue that is necessarily connected with the service. The owners of property in all cases have commended the work of the department, and their appreciation of its services has been shown in generous contribution to the relief fund for the benefit of firemen who may have received injuries in going to, working at or returning from a fire.

During the year two members of the permanent force of the department have gone from among us: Captain Samuel H. Stevens, who was injured in July, 1899, and died in August last, and Lieutenant Jesse Lipsett, who was killed when returning from a fire on April 1.

There are at present 116 members of the department, eighty-four call men, and thirty-two on the permanent force. The apparatus consists of three steam fire engines with hose wagon tenders, three hose wagons, two ladder trucks, two combination chemical engines and hose wagons, and one chemical engine, all of which are in good condition. The department buildings are in good condition, with the exception of the Union-square station, occupied by Ladder 1 and Hose 3. Necessary repairs on this house should be made early in the year, as the building is at present barely serviceable, especially the stable.

In the report of the Chief Engineer I find his customary annual recommendation for a new fire engine. He further urges that a combination chemical engine and hose wagon be placed in the house of Hose 3, Union square, in place of the wagon now there.

The total appropriation and receipts of the department were \$61,247, and the expenditures \$61,108.24, leaving an unexpended balance of \$138.76. The department has responded to 232 fire alarms, of which 149 were bell alarms and 83 still alarms. On property burned there was \$219,835 insurance, and the entire loss from fire and damage was \$60,479.84.

Water Department.

The operations of the Water Department during the year have been conducted along the same general lines as in the past.

In the outdoor work efforts have been mainly directed to the removal of the older cement-lined water mains, the abolishment of dead ends, the improvement of the water circulation system, and the laying of supply mains in territory hitherto unoccupied. Cement-lined pipes of various sizes, to the amount of 6,549 feet, have thus been replaced with cast-iron mains, and 11,652 feet of iron mains have been laid in extending the distribution system. In connection with this work fifteen dead ends have been abolished, and ten blow-offs for cleaning out the water pipes have been set.

An important part of the above work was the laying of a high service main in Central street, from Highland avenue to Monmouth street, and connecting thereto the several streets along its line. The water pipes in these streets had heretofore had dead ends on account of the inability of the old cement-lined main in Central street to withstand the high water pressure; under the present arrangement these dead ends, seven in number, have been done away with, and the whole district is now on a circulating system, thereby greatly improving the quality of the water.

Another important work was the laying of a twelve-inch water main in Highland avenue, from Grove street to Cedar street, thus completing the line commenced the previous year for the purpose of furnishing a high pressure fire service to Davis square, and eventually connecting the high service systems of the western and central sections of the city. On account of unusual conditions attending the laying of this line of pipe, its greater depth, the character of the soil, and especially its proximity to the line of the street railway tracks, it was deemed advisable to have the trenching done by contract, thus relieving the city from liability for any accidents or damage to person or property. The contract provided that only citizens of Somerville should be employed on the work.

The hydrant system, that indispensable auxiliary of the Fire Department, has received very careful attention, and its efficiency has been fully maintained. A net increase of thirty has been made in the number of fire hydrants, making a total in the city of 927. This represents one for each sixty-seven inhabitants (approximately), or one to each 493 feet of main pipe throughout the city. Three hydrants in Davis square have been attached to the high-service line, furnishing a water pressure of about ninety-five pounds per square inch. The hydrant formerly standing on the "island" in Union square has been removed to the sidewalk in front of Hill building, and also connected with the high-service system. Additional hydrants have been set on Somerville avenue, near the packing houses, on Day street opposite the Sprague & Hathaway buildings, and on Elmwood street, near the factory of M. W. Carr & Co., for the further protection of the valuable interests in these districts.

A new ice-water drinking fountain has been set in Gilman square, and three other drinking fountains of the "bubbling" type have been set in Lincoln, Franklin, and Belmont parks.

The income from water in 1901 was \$214,133.36. Of this amount, \$149,093.39 was used for the maintenance, operation and extension of the water works, payment of maturing water bonds, interest on outstanding water bonds, and the Metropolitan water works assessment, leaving a balance of \$65,039.97 for other municipal uses, \$24,790 of which has been already appropriated, leaving a surplus of \$40,249.97 to be applied to reduction of funded debt.

The assessment levied on the Metropolitan water district has been changed the past year in accordance with a plan of the Metropolitan Water Board, whereby the full annual cost of the Metropolitan water works is assessed each year, instead of only a portion of that cost, as was the case under previous legislation. The effect on Somerville has been to increase the water assessment from \$28,689.24 in 1900 to \$56,816.76 for 1901, being practically an increase of one hundred per cent. The assessment for 1902 has been estimated to be \$74,500, and it is expected that the annual assessment will still further increase for the next four or five years, when it is supposed that it will have reached its maximum figure for the present of (approximately) \$85,000.

In view of all this, it is a matter of grave doubt as to how far into the future we must look for a reduction in water rates, much as this may be desired by our property holders.

Poor Department.

The poor we have always with us. It is well that humanity has that sense of sympathy which compels it to throw the mantle of charity around those who are financially unfortunate for various reasons. Somerville has always attended to the needs of this class in a most creditable manner, and in the past year the ability of the department to adequately meet the demands upon it has been greatly increased.

An area of approximately two acres, purchased from the Russell estate, has been added to the property for farming purposes. The City Home supplies a great need in the work, and is a comfortable place for our poor people. In it we have pro-

vided during the year for twenty-five men and twelve women; two have died, and at present sixteen men and seven women are there comfortably domiciled. The appropriation was \$4,000; transferred from other accounts, \$1,500; we have collected for vegetables, wood, and board of inmates, \$1,333.57, making a total of appropriations and other income \$6,833.57. We have expended \$6,622.43, leaving an unexpended balance of \$211.14. Quite an amount of the Home appropriation has been expended for permanent supplies. The Board of Overseers recommends that an addition to the men's dormitory be built.

The appropriation for "Support of Poor—Miscellaneous" was \$19,000, to which was added by transfer \$4,000, making the total \$23,000. There has been collected from the state, cities, towns and individuals \$6,382.86, making the total of appropriations and income \$29,382.86. We have expended \$29,171.15, leaving an unexpended balance of \$211.71. We have paid public institutions for the care and support of the insane poor, \$15,043.45; fuel for poor families has cost \$916.71; groceries and provisions, \$4,312.75; total number of persons aided, 1,421; families, 290. There are now under the care of the department ninety-four persons classed as insane, feeble-minded, and dipsomaniacs. During the year we have disbursed money for the care of 121 insane persons who hold settlements in this city.

Law Department.

Many important matters have engaged the attention of the City Solicitor the past year. His advice has been sought by the various city officials in numerous instances, and he has on a number of occasions been requested by the Board of Aldermen to give opinions on parliamentary matters and other subjects. Several claims against the city have been adjusted with fairness, both to the city and the claimants.

Matters of special importance which have taken a large amount of the City Solicitor's time and effort are:—

The taking of land on Prospect Hill for park purposes by right of eminent domain; an agreement with the Boston & Maine Railroad in regard to certain valuable rights of drainage, concerning which litigation has been pending for several years; an agreement, after a controversy covering a period

of five years, with the telephone company, whereby the interests of the public in relation to franchises for the location of telephone poles in the streets are protected to a greater degree than by the general law; the passage of a special legislative act for the acquiring of additional land near the City Home property; the settlement of the matter by act of the Legislature, after several years' pending, of authority for the construction of a bridge over the Mystic river at Middlesex avenue; and the proposed abolition of grade crossings, which subject seems likely to require special legislation in regard to the crossings in our city.

Sealer of Weights and Measures.

The Sealer of Weights and Measures has efficiently performed his miscellaneous duties in the protection of the people from imposition by unscrupulous dealers.

The number of tests made by him was 43,077.

In accordance with my recommendation of last year, a suitable room in the basement of City Hall Annex is being provided for his use and, when completed, will make comfortable and convenient quarters for this department.

Eight Hours of Labor.

In accordance with the vote of the citizens in 1900, eight hours have been made a day's labor for all laborers and mechanics in the city's employ. In referring to this subject one year ago, it was said: "It is desirable that, so far as is 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."

It is gratifying to state that, practically, it has been demonstrated that the city gets as much work done in eight hours as formerly in nine, and it is confidently expected that the demonstration will be complete this year. Because of the eight-hour day, and because most of the work upon the highways, sewers and sidewalks must be done in the summer, it was not feasible to grant a Saturday half-holiday in the months of June and July, confining that privilege to the month of August, and there seems to be no reason for not continuing the same limitation this year.

The Brown-Tail Moth.

The great annoyance of the year was the prevalence of the brown-tail moth. It is needless to enter into the characteristics of this pest, or to dwell upon the extent of the popular affliction in consequence of its sudden possession of our trees. Suffice it to say, there has been no equally serious discomfiture in the history of the city. It must be promptly exterminated, and the Legislature should be asked for authority to enter upon private property and clean the trees effectively at the proper time.

For the past two months a branch of the Highway Department has been conducting a systematic campaign against this pest. Under a capable superintendent, a force of twelve men has been carefully removing from the street trees the "tents" or nests, which have appeared in such startling abundance all over the city. These nests consist of a dried leaf at the end of a twig, and each one contains a great quantity of eggs, which, if unmolested, threaten our community with an army of destroying and poisonous caterpillars the coming summer. Between now and the first of March is the time to prevent this trouble, and the method is to cut off the nests and burn them. It is absolutely necessary that every owner of property containing any sort of shrubbery or trees should co-operate by his heartiest endeavor in carefully attending to this matter as regards his own premises.

Armory.

From the days of the old Somerville Light Infantry, before the Civil War, our city has been proud of its military. Its present company is one of acknowledged excellence,—Company M, of the Eighth Regiment, M. V. M., which performed most creditable service in the Spanish War.

The quarters for the company have long been inadequate, but so great and pressing have been the demands on the city's finances, no added accommodations have been made, nor does there now appear to be any relief save this: An effort is being made to secure enough desirable men in the western section of the city to form an additional company, and with favorable results. An inspection of these men will soon be made, and we trust the company will be duly accepted. In this event, the State will build a battalion armory under the provision of law, which would give

the city a term of thirty years in which to pay for the building. The result would be most gratifying, and not burdensome.

Somerville Hospital.

The Somerville Hospital is an institution which has proved and is every day demonstrating its great usefulness. It has received substantial support from our citizens, and for several years an annual appropriation has been made to it by the city for the care of the sick poor. In line with the policy adopted, I recommend that the sum of \$5,000 be appropriated for this purpose.

Approach to City Hall.

The appearance of the front of our City Hall is not in harmony with the rest of the building; the steps and walk are too abrupt, and are somewhat dangerous; a porch to correspond with the one at the side of the building would add very materially to the attractiveness of the structure, and would not entail a great expenditure. I therefore recommend that a sufficient appropriation for this purpose be made.

Audit of Treasurer's Accounts.

Owing to a change in the administration of the Treasury Department, it was deemed advisable early in the year to have an audit of the books. Accordingly, the services of William Franklin Hall, an acknowledged expert in the work, were secured. He and his assistants made a thorough examination of the books and accounts, with the result that they were found correct, as was anticipated.

Mr. Hall's report concluded as follows: "Considering the large volume of business which passes through the office of the Treasurer and Collector, it is remarkable that in this important department such excellent order was found, and that the finances of the city are so well cared for."

Such words are indeed a compliment to the able and careful management of both the former and the present Treasurer and Collector.

Soldiers' Relief.

The city has expended during the past year nearly \$16,000 for the relief of veteran soldiers, soldiers' widows and families,—a most worthy object; for no money is more wisely expended than that which gives needed relief to the former defenders of our country, and those whom their patriotic services have made dependent. This money is appropriated and spent under the wise provisions of an act of the Legislature of 1890. There is no official directly responsible for this work, the distribution of the appropriation being in charge of a committee of the Board of Aldermen. I recommend that an agent, who shall be paid a nominal salary for the work entailed, be appointed, so that the interests of the city and of all worthy applicants for such aid may be best served, as well as to relieve the members of the Board of Aldermen from the details of investigation of all these individual cases.

Fourth of July Celebration.

On our national Independence Day we had the pleasure of witnessing one of the best patriotic parades ever held in our city. A special and novel feature was the appearance in line of the entire permanent force of the Fire Department and apparatus. The fire stations were meanwhile supplied with reserve men and apparatus, and special arrangements had been made with adjacent cities so that better protection than usual, if anything, was afforded. The afternoon was devoted to athletic contests, and the evening to fireworks.

These celebrations are indeed commendable. They arouse the patriotic impulse of the young, and kindle anew the spirit of freedom in older hearts. They draw thousands of people from other cities and towns, and thus become object lessons of our enterprise and loyalty.

Honor to Whom Honor is Due.

The work of the city is superintended almost without exception by men peculiarly endowed and fitted for their particular line. While I have none to condemn, and none to praise unduly, I desire to make public acknowledgment of the signal ability and faithfulness of the City Clerk and the City Treasurer, and of the

very material assistance they have rendered the Executive during the year in the way of able counsel and wise suggestion.

Mr. Vincent has, by his care and the work of detail which his office involves, acquired a well-nigh inexhaustible fund of municipal information, and the department under his direction is a model of its class. The people have recognized this by the large majority given to the City Clerk's three-year term of office bill at the last election.

Mr. Beard has conducted the treasury department since his accession to the office in a manner that is above and beyond any just criticism, and has demonstrated, as he did in his position of national bank cashier, his superior ability as an executive officer and conservative financier.

An unfortunate event of the year has been the unpleasant, though necessary, culmination of the defalcation of a constable who was in the employ of former Treasurer and Collector John F. Cole, whose long services to the city cannot be overestimated, and for whom respect is unbounded, which, while reflecting in no wise upon the latter, has kept his name unduly flaunted before the public. The recent action of the City Government has resulted in happily closing this perplexing episode.

Our protective departments,—the Fire and Police,—deserve congratulation upon the long and progressive services of their executive heads. Both Chief Hopkins and Chief Parkhurst have served their respective departments since the incorporation of the city,—a proud record of thirty years.

I should not be doing justice either to the city or the individual to whom I refer were I to fail to commend at this time,—the end of three decades of city government,—our faithful City Messenger, Jairus Mann, who to-day performs, though perhaps in a larger and more varied way, the duties he did for the government of 1872. "May he live long and prosper" would be the wish of every friend, were they to express their sentiments regarding this genial and faithful official.

An Invitation to Our Neighbors.

The convenience of our city in the matter of facility of travel to and from Boston is not equaled in any other suburb of the metropolis. The opening of the elevated railway system caused numerous changes in transportation matters, among them being a discontinuance of certain surface lines from Winter Hill and East Somerville. Numerously-signed petitions were presented to President Bancroft, of the railway company, and, after consideration, the desires of the people were heeded. The system now seems eminently satisfactory to most people, and if a more perfect transfer system is installed, it will be well-nigh complete.

A cross-town connection, from Cambridge to the Winter-Hill district, seems all that is needed to make transit for Somer-ville by steam cars and trolley lines nearly perfect. The proximity of the massive elevated railway structure to the dwellings in the main thoroughfare of Charlestown, and the noise incident to the travel, have compelled many of the residents to seek other homes. Somerville offers an advantageous location, especially in its undeveloped districts at Somerville Highlands and Clarendon Hill, the new Powder-House Boulevard and neighboring streets being particularly desirable on account of their sightly situation. It is hoped that many of the better-class people of Charlestown who feel compelled to remove will take up their abode with us.

Social Advantages.

Although entirely distinct from the affairs of the City Government, it is fitting that on this occasion there be some expression of our indebtedness to the various religious, social, and fraternal organizations which have added so greatly to our attractiveness. Every peaceful and prosperous church, every large and well-managed fraternal organization, every attractive social club for men or women is a financial, as well as a social, advantage. In some cases they are philanthropic as well as social, as in the case of the Heptorean Club, which maintains a bed in the Hospital and a scholarship in college, and of the Daughters of Maine, who have established a Home for the Aged, and of the association that supports a Day Nursery. All of these organizations deserve public recognition and appreciation.

A City of Homes.

Somerville is distinctly a city of homes. This is radically different from a city of wealth or a manufacturing city. Such a

city requires unusual effort to make it beautiful, convenient, and comfortable. It must also have an unusually active local sentiment. In a manufacturing city families live because they must be there for their work. Men of large wealth seek places peculiarly congenial and removed from the masses. The majority of those who reside in Somerville might as well live in any one of twenty other cities and towns, so far as their business is concerned. If they come and stay here, it will be because it is healthy, morally clean, comfortable, and convenient, and because sentiment inclines them to come and stay.

During the year some effort has been made to magnify the individuality of Somerville. It is not sufficient that we have good buildings, good streets, and good schools; there must be also social and civic conditions which appeal to the pride and develop the loyalty of the citizens.

Our city abounds in children whom we educate at great expense, and who become prosperous men and women. Our school budget is by far the largest of all city expenses. The schools are our glory, and they will be our best investment, if, as young men and women, the students remain here and contribute to the prosperity of our city. It is a heavy drain, however, upon the city if we educate boys and girls who are to leave us to contribute to the prosperity of other communities.

The sons and daughters of natives of Somerville rarely leave the city for any other suburb. But many families have come to us in adult life, and their children did not get sufficiently attached to the city to remain after they were educated here.

It is of the utmost importance that Somerville have a distinct individuality. It is not easy to impart such an individuality to a city with several different centres, as Somerville has; indeed, it is decidedly difficult. The City Government, so far as it is able, should lead in maintaining such an individuality.

With this end in view, as well as an act of justice, the City Government has promptly and appropriately recognized the public service and personal worth of such men as Charles S. Lincoln, an honored citizen and a leading member of the bar, Colonel Cromwell G. Rowell, who served the city in several capacities, and who won an enviable record in the great Civil War, John N. Ball, representative in the General Court, a successful business man and estimable citizen, and Isaac Story, our distinguished

police court justice, whose record is a source of pride to Somerville, by a message from the Mayor to the Board of Aldermen at the time of their death, and by placing the flags at half mast. This sentiment, in connection with the sense of the great bereavement sustained in the tragic death of our lamented President, led to the official memorial service on October 13, the first service of the kind in the history of the city, and, it should be said, one of the most impressive and creditable of all those held in remembrance of Mr. McKinley throughout the country. The music and all the exercises were by our own citizens. Upon the very general demand that such exercises should be a permanent possession, and be preserved as a chapter in our history, the City Government published these exercises complete, as a record of the loyal, patriotic devotion of Somerville.

The Dawn of a New Era.

The first year of a new-born century has passed into history. It has been a year fraught with moment to municipalities and to nations.

The world has paused to mourn with England her great Queen, and with America to mourn her great President. Bowed with grief, it has had thrust home to its heart the majestic truth that governments are greater than rulers, and the words which Tennyson ascribed to the brook we seem to hear from the tongues of the nations:—

"—men may come and men may go, But I go on forever."

It has been a time of almost unparalleled progress in peaceful pursuits. Financial operations that have amazed the world, remarkable progress in literature and the dissemination of it, unparalleled individual beneficence, great strides in the development of Nature's forces,—all these are an omen of the greater achievement and grander progress yet to be. And America sets the pace which the world is to follow.

We cannot boast of America, as Campbell did of England.

"Whose flag has braved, a thousand years, The battle and the breeze."

but we can claim a land upon which the sun never sets—an empire of freemen, where every citizen is himself a sovereign. Under our late lamented leader, our old Ship of State entered upon a new voyage in untried waters. We had absolute faith in her course under his guidance; we have no less confidence in the hand that guides her now, for

"The man at the helm is brave and strong, Captain and pilot, he."

We are standing in the early dawn of a new era of citizenship, and instead of wars and rumors of wars, the great white wings of Peace shall be spread over us, and the world will be prosperous and content. We have taken but a step into the new century—a century which will be the most marvelous that the world has ever known. It promises to be a century ruled by the mind, and not by the sword. Science will be the great master in developing the world's great resources.

Last year, as we paused on the threshold of a new century, our eyes were turned to the past, with all its historic lore. It was a past of revolution, of strife, of privations, and sacrifice,—yet of strong, patriotic ardor. As we looked back through the years, we could almost hear the ringing hoof-beats of Paul Revere's noble steed, as he raced along our highway, bearing the message which led to victory; the echoes of the British cannon were dying on the free air of America; the grass on Bunker Hill was still moist with the precious life-blood of heroes; Lexington and Concord bore traces of the march of the enemy; and Prospect Hill was pregnant with the enthusiasm that marked the raising of the first American flag.

A century ago, where tiny hamlets dotted the historic landscape all about us, to-day powerful cities are found, not the least of which is our own fair city, every pulse of its life throbbing with the old-time patriotic impulses.

As we go another step into the future, with all its mystery, with all its wonderful progress, and all its grand work yet to be accomplished, let us perform our duty so that, when the next century opens, it will be known that our acts and our words aided in the upbuilding of a city of fair fame and splendid achievements.

To the last century belong many of the wonderful inventions which have brought us in touch with the whole world, but greater

inventions will come in the new century, for the key-note of all the future will be "Progress."

The years that have gone have claimed, in the free land of America, a Washington, a Lincoln, a Grant; the present century whispers tenderly the name of McKinley; but all of these noble characters will breathe an influence for patriotism, for loyalty, for devotion to principle through all the future.

As we take up the duties of the year, we should look at matters with a broad mind and a generous heart, keeping the fair name of our city unsullied by narrow prejudice or personal feeling. We should remember that we are not working for the present alone, but are building for future generations. Let us be loyal to the city's interests, true to ourselves, and faithful to the people who have trusted us with the management of her affairs. Then shall we hear the song of joy from the lips of the children, see the smile of content on the faces of the people, and realize that duty well done is a pleasure to us, and brings its own reward.

Let us remember that our first duty is to further every good work which will benefit Somerville; let us labor together for her advancement, until she shall be acknowledged by every one the banner city of the Commonwealth.

Somerville! We glory in her traditions and her record. But we do not now regard her with the eyes of the old, who "live backward in memory," but rather would we look upon her with the eyes of the young, who "live forward in hope," confident of her ability to keep pace with the vanguard in the onward march of the world's progress.

With brave hearts, strong wills, and unbiased minds, let us go forward into the future with our banner flying before the world, on which shall be inscribed, "Somerville, the City of Happy Homes."

REPORT OF THE CITY TREASURER AND COLLECTOR OF TAXES.

Treasurer's Office, January 15, 1902.

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

Gentlemen,—The undersigned presents herewith the thirtieth 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, 1901.

Public Property.

The value of the public property of the city December 31, 1900, was \$2,990,378.92. By authority of a vote of the committee on public property passed February 7, 1901, this has been increased by a new appraisal from the books of the assessors, \$330,523.23, and by text-books in the public schools, \$50,305. The property acquired during the year was as follows:—

Electrical Department, Bell for Contagious Disease Hospital							\$476 32 19,358 63
Powder House Boulevard							14,715 43
Schoolhouse in Ward One							13,161 18
Shed at City Home.		•	•	•	•	•	1,492 18
Public Grounds, Athletic Appar	ratus	T:11 for	D- "	1- T		•	988 55
Public Grounds, Land on Prosp Public Grounds, Athletic Field							11,520 00 753 95
Public Grounds, Land for Par							1,259 70
Public Library Addition .							6,813 41
Schoolhouse in or near Ward							21,995 73
Schoolhouse in Ward Two							14,369 00
Support of Poor, Almshouse Water Works Extension .							$6,000 00 \\ 25,205 59$
water works is tension .	•	•	•	•	•	•	40,400 09

Total amount of property acquired during the year \$137,909 67 Making the value of the public property December 31, 1901, as per Table A, \$3,509,116.82.

Funded Debt.

The funded debt December 31, 1900, as per Table B of the last annual report, was \$1,478,000.

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

Public Library Addition Public Buildings Construction, Schoolhouse in Ward One Public Buildings Construction, Shed at City Home Sewers Construction Sidewalks Construction Prospect Hill Park Powder House Boulevard Electrical Department, Bell for Engine 2 House Contagious Disease Hospital and Land Contiguous to City Home Renewal of Funded Debt	\$8,000 00 40,500 00 1,500 00 30,000 00 10,000 00 7,500 00 12,000 00 500 00 20,000 00 16,000 00
Total amount of appropriations on Funded Debt account	\$146,000 00
To provide for the above-mentioned appropriation lowing bonds were issued, viz.:—	ons the fol-
City Loan Bonds Nos. 2778 to 2785, payable 1902, interest 3½ per cent.	\$8,000 00
City Loan Bonds Nos. 2786 to 2793, payable 1903, interest	
3½ per cent	8,000 00
3½ per cent	8,000 00
$3\frac{1}{2}$ per cent	8,000 00
City Loan Bonds Nos. 2810 to 2817, payable 1906, interest 3½ per cent.	8,000 00
City Loan Bonds Nos. 2818 to 2825, payable 1907, interest 3½ per cent.	8,000 00
City Loan Bonds Nos. 2826 to 2832, payable 1908, interest	·
3½ per cent	7,000 00
City Loan Bonds Nos. 2854 to 2857, payable 1912, interest 3½ per cent.	4,000 00
City Loan Bonds Nos. 2858 to 2861, payable 1913, interest	4,000 00
City Loan Bonds Nos. 2862 to 2865, payable 1914, interest	,
3½ per cent	4,000 00
3½ per cent	4,000 00
3½ per cent	4,000 00
$3\frac{1}{2}$ per cent	4,000 00
City Loan Bonds Nos. 2878 to 2881, payable 1918, interest 3½ per cent.	4,000 00
City Loan Bonds Nos. 2882 to 2885, payable 1919, interest 3½ per cent.	4,000 00
City Loan Bonds Nos. 2886 to 2889, payable 1920, interest	
3½ per cent. City Loan Bonds Nos. 2890 to 2893, payable 1921, interest	4,000 00
3½ per cent	4,000 00
Amount carried forward	\$116,000 00

Amount brought forward	\$116,000 00
interest 3½ per cent.	30,000 00
Total amount of bonds issued in 1901	\$146,000 00
The following bonds became due and were paid year, viz.:—	during the
City Loan Bonds Nos. 1638 to 1646, interest 4 per cent. City Loan Bonds Nos. 1828 to 1845, interest 4 per cent. City Loan Bonds Nos. 2098 to 2106, interest 4 per cent. City Loan Bonds Nos. 2256 to 2266, interest 4 per cent. City Loan Bonds Nos. 2387 to 2396, interest 4 per cent. City Loan Bonds Nos. 2524 to 2531, interest 4 per cent. City Loan Bonds Nos. 2626 to 2637, interest 3½ per cent. City Loan Bonds Nos. 1143 to 1146, interest 4 per cent. City Loan Bonds Nos. 1209 to 1211, interest 4 per cent. City Loan Bonds Nos. 1314 to 1323, interest 4½ per cent. City Loan Bonds Nos. 1314 to 1323, interest 4 per cent. Sewer Loan Bond No. 60, interest 4 per cent. Sewer Loan Bond No. 177, interest 4 per cent. Sewer Loan Bond No. 201, interest 4 per cent. Sewer Loan Bond No. 43, interest 4½ per cent. Sewer Loan Bonds Nos. 94 to 97, interest 4 per cent. Paving Loan Bonds Nos. 41 to 45, interest 4 per cent. Water Loan Bonds Nos. 203 to 212, interest 4 per cent. Water Loan Bonds Nos. 203 to 212, interest 4 per cent. Water Loan Bonds Nos. 214 to 219, interest 4 per cent. Water Loan Bonds Nos. 214 to 219, interest 4 per cent. Water Loan Bonds Nos. 345 to 346, interest 4 per cent. Water Loan Bonds Nos. 345 to 346, interest 4 per cent. Total amount of bonds noid during the most	\$9,000 00 18,000 00 9,000 00 11,000 00 10,000 00 4,000 00 3,000 00 24,000 00 1,000 00 1,000 00 1,000 00 1,000 00 1,000 00 1,000 00 1,000 00 1,000 00 1,000 00 2,000 00 2,000 00 2,000 00
Total amount of bonds paid during the year Leaving the net funded debt December 31, 1901, as p	\$163,000 00 er Table B,
\$1,461,000, classified as follows:—	
City Loan Bonds bearing interest at 3½ per cent. City Loan Bonds bearing interest at 4 per cent. City Loan Bonds bearing interest at 4½ per cent. City Loan Sewer Bonds bearing interest at 3½ per cent. City Loan Sewer Bonds bearing interest at 4 per cent. City Loan Sewer Bonds bearing interest at 4½ per cent. City Loan Sewer Bonds bearing interest at 4½ per cent. City Loan Paving Bonds bearing interest at 4 per cent. Water Loan Bonds bearing interest at 4 per cent. Water Loan Bonds bearing interest at 5½ per cent.	\$256,000 00 738,000 00 65,000 00 30,000 00 132,000 00 10,000 00 55,000 00 165,060 00 10,000 00
Total Funded Debt, City Loan \$1,155,000 00 Total Funded Debt, Water Loan	\$1,461,000 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 \$53,924,200, and the rate of taxation was \$15.90 on each \$1,000 valuation, as follows:--

Real Estate, valuation . Personal Estate, valuation			548,721,800 5,202,400			
Total valuation At a rate of \$15,90 on \$1,000 Polls, 17,216 at \$2.00 Street Watering	valuation	n	53,924,200 : :	. \$85 . 3	7,394 4,4 3 2 5,61 3	00
Total amount of tax levy Borrowed on Funded Debt ac	y .	. nrovide	for the c	. \$90	7,439	82
of public improvements a Water Works Income National Bank and Corporati Court fees, fines, etc., applied County of Middlesex, dog lie	nd renev on Taxe l to Poli	vals of d s, applie ce .	d to Police	: 14 21 2 : 2	6,000 7,626 8,156 3,815	73 86
brary					2,962 0,042	
Street Railway Tax for the year Construction Street Railway Tax for the year	ear 1901,	applied .	to Highwa	. 1	0,876	
Maintenance Street Railway Tax for the ye	. 1001,		to ingnwa	. 1	8,324	19
Paved Gutters, and Cross	sings			. 1	8,000	00
Street Railway Tax for the ye Maintenance	ear 1901,	applied			5,000	00
Total amount of resourc	es .			. \$1,36	3,244	82
Appropriations from	1 Funde	d Debt	and from	Income.		

Balances overdrawn:—				
Highways, Paved Gutters, and Cross	ings		\$5,356 94	
Highways, Boston-avenue Bridge.			706 86	
Highways, Paving Davis Square.				
Sidewalks Construction	•	•	2,624 19	
Sidewalks Maintenance	•		1,711 69	
				\$10,716 48
D 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1				
Balances unused and in proce	ess:-	_		
Contagious Disease Hospital .			\$641 37	
Highways Construction			963 3 6	
Highways Maintenance			11,291 66	
Highways, Paving Washington Stree			212 46	
Highways, Paving Cross Street .	•		1,900 80	
Powder-House Boulevard	•		3 10	
Public Buildings Construction:—				
Schoolhouse in Ward One .		•	27,488 82	
Shed at City Home			7 82	
Public Grounds, Athletic Apparatus	•	•	11 45	
Amounts carried forward			\$42 520 84	\$10.716.48
Amounts carried forward			347 3711 84	310 (10 48

Amounts brought forward. Public Grounds, Athletic Field in Ward Seven Public Grounds, Land for Park Purposes . Public Grounds, Land on Prospect Hill . Prospect-Hill Park Public Library Public Library Addition Reduction of Funded Debt Sewers Construction	\$42,520 84 \$10,716 48 2,246 05 240 30 3,680 00 7,500 00 220 75 1,320 35 11,175 93 10,748 17 79,652 39 ad Income \$68,935 91
Cash.	
Balance on hand January 1, 1901	\$103,858 87 2,165,686 94
Total cash disbursements for the year 1901 .	\$2,269,545 81 2,245,212 21
Cash on hand	\$24,333 60 \$21,637 83 2,695 78 \$24,333 61
Assets and Liabilities.	
The assets of the city available for th funded liabilities are as follows:—	
Taxes uncollected Highway Betterment Assessments uncollected Sewer Assessments uncollected	\$13,015 00 342,008 09 62 45 2,878 95 5,890 62 13,755 31 4,489 05 24,333 60 \$406,433 07
Overplus on Tax Sales	\$25,265 00 118 13 18 91 45 75 437 51 300,000 00 325,885 30
Excess of available assets over unfunded liabilities	s \$80,547 77

Column C		1		1 124	LANCES.	Evenes	Denocurson	Accord	Lucus		1
Second	Accounts,	TOTAL DESITS.	TOTAL CREDITS	.	1		1	ļ	1	CASH RECEIVED.	CASH PAID.
Part					Crean	Desic	- Credit		Crean.	*\$103.858.87	
Section Company Comp	City Auditor	701 60	\$9,800 00 750 00		\$48 40	\$50 47	\$48 40				701 60
Section Company Comp	City Engineer	11,751 33 2,152 20	12,025 00 2,365 00		273 67 212 80		273 67 212 80			125 00	11,751 33 2,152 20
Control Cont	City Solicitor	12,267 50	14,678 38								12,267 50
Column	County of Middlesex	3,981 31 55,129 32	4,768 04 55,129 32				786 73		\$25 265 00		3,981 31 55,129 32
Part	Election Expenses: — City Clerk	665 61	1,000 00		334 39				\$25,200 00		665 61
Company Comp	Pay of Election Officers	1,586 00 1,513 00	1,701 00 1,832 00		115 00 819 00		115 00 319 00			1 00	1,586 00
Second content	Electrical Department Electrical Department, Bell for Engine 2.	500 00	500 00				73 95		641.37	9 60	7,435 65 476 32
The contract of the contract	Executive Department	3,656 17	3,700 00		43 83				022.01	440 10	3,656 17
Second Column Second Colum	Fire Apparatus for Ladder 2 Station .	297 25	297 25								
Company	Funded Debt		1,624,000 00 36,546 89	2,614 78	1,461,000 00	2,614 78					
Property	Construction	76,276 S3	87,568 49	E 950 04				AX 050 04		21,285 42	76,276 83
Proceedings Process	Boston Avenue Bridge	3,206 86	2,500 00	706 86				706 86		2,500 00	
Column C	Paving Cross Street		25,057 74		1,900 80		202 35	·			
Second column Column colum	Highway Betterment Assessments	931 99 4.492 03	809 54 4,500 00	62 45	7 97		7 97	62 45		869 54	4,492 03
State Stat	Military Atd	27,259 37 864 00	13,504 06 832 00	32 00	0,200 00	32 00	0,400 33				864 00
Service Automosphere Automosphere (1970) 50 (1	Massachusetts Commonwealth of: -		420 00	13,015 00				13,015 00			32,023 55
Search 24 1,000 1,	Military Aid	348 50 41,195 19	41,195 19								
Principle of State 1,000	National Bank Tax	1,097 10 52,200 46	1,097 10 52,200 46								
Principle of State 1,000	State Aid	23,429 11	23,429 11		4,637 11				4.687 11	34 00	60.83
Principal de St. Colony 1,00 at 3 2,00 at 3 2,00 at 3 2,00 at 3 2,00 at 3 3,00 at 3 3,	Police	750 00 62,009 4S	63,893 09		118 13 1,883 61		1,883 61		118 13	6,551 97	750 00 62,009 48
School-brown Word of 11,11 13 20,000 21,100	Printing and Stationery	1,920 93	2,500 00		579 07		579 07		3 10	2,000 15	
Public Indicates Public Indi	Schoolhouse in Ward One								27,488 82 7 82	150 00	
Fig. Experiment 1, 4, 60 G	Public Buildings Maintenance: — City Hall	4,221 41									4,221 41
Policy	Fire Department	3,806 04 887 94	4,500 00 1,000 00		693 96 112 06	1	693 96 112 06				3,806 04 887 94
Segond Classes (4,175 68) 92 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Highways	4,155 99	4,150 00 100 00	5 99		5 99	78 50				4,155 99
A Albeite Apparatus A Albeite Firein Word Seven Table 50 1,000 00 A Albeite Apparatus Table 50 1,000 00 A Albeite Apparatus Table 50 1,000 00 A Albeit Apparatus A Albeit Apparatus Table 50 1,000 00 A Albeit Apparatus A Albeit Apparatus A Albeit Apparatus Table 50 1,000 00 A Albeit Apparatus A Albeit Apparatus A Albeit Apparatus A Albeit Apparatus Table 50 1,000 00 A Albeit Apparatus A Albei	Public Library	3,714 29 49,118 08	42,557 37	6,560 71		6,560 71	2.0				3,714 29 49,118 08
A Albeite Apparatus A Albeite Firein Word Seven Table 50 1,000 00 A Albeite Apparatus Table 50 1,000 00 A Albeite Apparatus Table 50 1,000 00 A Albeit Apparatus A Albeit Apparatus Table 50 1,000 00 A Albeit Apparatus A Albeit Apparatus A Albeit Apparatus Table 50 1,000 00 A Albeit Apparatus A Albeit Apparatus A Albeit Apparatus A Albeit Apparatus Table 50 1,000 00 A Albeit Apparatus A Albei	Support of Poor	519 30 120 80	925 00 150 00		405 70 20 20		405 70 29 20				519 30 120 80
Authority Freedom Ward Seven . 776, 200 1,000 00	Athletic Apparatus		1,000 00	Ė	11 45		4 18		11 .15	114 11	
Addition	Athletic Field in Ward Seven	1,250 70	1,500 00		240 80				2,246 05 240 30		753 95 1,259 70
Addition	Prospect Hill Park Public Library Public Library		7,500 00		7,500 00				7,500 00	3,395 18	
Lase Cluman Fund, Income Art	Addition	6,813 41	4,000 00		4,000 00				1,320 35 4.000 00		5,863 41
Public For Publish Pub	Isaac Pitman Fund, Income, Art		290 28	5,000 00				5,000 00	1,000 00	00.00	5,290 28
Color Colo		29 11 3,509,116 82	74 S8	3,509,116 82	45 75			100	45 75	20 00	114 45 28 53
Color Colo	Reduction of Funded Debt Renewal of Funded Debt	147,000 00 16,000 00	158,175 93 16 000 00		11,175 93			4,489 05	11,175 93		
Charles C. Pope, Improvement 33 00 00 14,300 00	School Contingent Schoolhouses: — O. S. Knapp, Improvement			2,354 80		2,354 80				161 75	23,516 55
School (1986) the second of th	Charles G. Pone Improvement	21,995 73 14 360 00	21,995 73 14,369 00							09	21,863 28 14,178 18
Soldiers Burials	Highland, Sanitary Improvement School Teachers' Salaries Scaler of Weights and Management	21 36 221,730 69	21 36 221,739 09								
Soldiers Burials	Sewer Assessments Sewers, Construction	14,412 93 37,808 81	11,533 98 48,556 98	2,878 95			433 18	2,878 95	10 010 17	11,533 98	1,222 \$9
Soldiers Burials	Sidewalk Assessments Sidewalks, Construction	10,166 88 23,408 00	10,350 00 17,517 38	5,890 62 2,624 19	183 12		183 12	5,890 62	10,748 17	17,428 93	10,166 8S
State Lights	Caldia LD Cal	0,711 69 490 00	5.000.00					2,624 19			6,711 69 490 00
** Balance, 1900. ** Palance, 1900.	Somerville Hospital State Aid Street Lights	6,388 13 12,048 00	6,388 13 12,048 00	822 80		822 86					15,866 86 0.888 13
** Balance, 1900. ** Palance, 1900.	Sundry Persons	1,304 59	59,042 98 1,304 59				753 22		105		58,289 76
Temporary Loans	Support or Poor:— Almshouse "City Home"	6,000 75	6,000 75						437 51	208 50	6,000 00
Substitute	Townson T	29,171 15 1,283,077 46	29,430 43 941,069 37	342,008 09				342 008 09		1,473 20 6,430 43	6,622 43
Water Works, Abatements on Water Charges 217,025 08 500 00 2,269,545 81 500 00 2,245,212 21 24,333 60 24,833 60	Water Loan Interest Water Maintenance	8,270 00 54,831 09	54.831 09		360,000 00			32,300 00	300,000 00	750,000 00	
Water Works, Abatements on Water Charges 217,025 08 500 00 2,269,545 81 500 00 2,245,212 21 24,333 60 24,833 60	Water Services Water Service Assessments Water Works Extension	4,181 63 4,058 39	4,181 63 4,058 30								4,181 63
\$10,414,579 86 \$10,414,579 86 \$3,943,718 98 \$3,943,718 98 \$3,943,718 98 \$12,447 01 \$0,974 75 \$19,422 36 \$422,149 55 \$415,174 80 \$0,974 75 \$19,422 30 \$422,149 55 \$422,149 55 \$422,149 55 \$415,174 80 \$19,422 36 \$422,149 55 \$415,174 80 \$19,422 36 \$422,149 55 \$415,174 80 \$19,422 36 \$422,149 55 \$415,174 80 \$19,422 36 \$422,149 55 \$415,174 80 \$19,422 36 \$422,149 55 \$415,174 80 \$19,422 36 \$415,174 80 \$19,422 36 \$415,174 80 \$19,422 36 \$422,149 55 \$19,422 36 \$422,149 55 \$19,422 36 \$10,412 30 \$10,412 3	Water Works, Abatements on Water Charges	217,628 68 500 00	217,628 68 500 00								19,205 59
Excess and Deficiency . Assets and Liabilities . Public Property . Funded Debt . Property and Debt Balance . \$3,943,713 98 \$3,943,713 98 \$3,943,713 98 \$3,943,713 98					20 010 7	222					24,333 60
Excess and Deficiency . Assets and Liabilities . Public Property . Funded Debt . Property and Debt Balance . \$12.447 61 \$19,422 26 415,174 80 145,174 80 145,174 80 1461,000 00 2,048,116 82 1461,000 00 2,048,116 82 1461,000 00 2,048,116 82		910,414,979 86	\$10,414,579 86	\$3,943,718 98	\$3,943,718 OS		\$19,422 36	\$422,149 55	\$415,174 80 \$0,974 75	\$2,269,545 81	\$2,269,545 81
Assets and Liabilities						\$19,422 30			\$422,149 55		
Funded Debt Property and Debt Balance	Assets and Liabilities	: : : :	: : :	422,149 55	\$19,422 26 415,174 80						
\$3,043,713 98 \$3,943,713 98	Funded Debt		: : :		1,461,000 00						
* Balance, 1900.				\$3 943 713 99							
	* Balance, 1900. § Balance.		W	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,							



Balance Sheet.

DEBI	T.		
Public Property		\$3,509,116 8	
Excess of valuable assets		80,547	
			- \$3,5 89,664 59
CRED	IT.		
Excess of appropriations from tax lev	у.	\$6,974 7	75
Excess of appropriations, Overla	y and	• •	
Abatement		4,637 1	
Excess of appropriations from Funded	1 Debt	68,935 9	
Present Funded Debt		1,461,000 0	00
D		\$1,541,547	77
Property and Debt Balance or Mu		0.040.440.0	22
Capital		2,048,116 8	
			- \$3,589,664 59

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	PROP	ERTY DE	CEMBER 31	, 1901.
Central Hill land City Hall . Furniture .	(13 acres,			\$34,000 00 10,000 00	\$270,000 00
Public Library by Public Library	ailding			42,000 00 25,000 00	44,000 00
City Hall Annex Albion A. Perry street, land (4 Furniture Books				36,000 00 1,000 00 530 00	67,000 00 20,000 00
Bennett Schoolhor building . Furniture . Books .	ise, land	(20,000 f	eet) and	9,500 00 650 00 300 00	37,530 00
Bingham Schooll and building Furniture . Books .				30,800 00 1,400 00 1,100 00	10,450 00
Burns Schoolhous building . Furniture Books .	se, land ((16,080	feet) and	33,300 00 1,300 00 1,000 00	33,300 00
Charles G. Pope feet) and build Furniture . Books	Schoolhording	use, lan	d (27,236	78,600 00 2,250 00 2,600 00	35,600 00
Cummings School and building Furniture . Books .		. ` .		11,200 00 650 00 500 00	83,450 00
Davis Schoolhous building Furniture Books	e, land (30,155 f	eet) and	22,000 00 650 00 400 00	12,350 00
Edgerly Schoolhorbuilding . Furniture . Books	ase, land	(24,000 f	eet) and	42,000 00 2,250 00 2,800 00	23,050 00
					47,050.00
Amount carried	forward				\$683,780 00

Amount brought forward				\$683,780 00
English High Schoolhouse			134,000 00	
Furniture Philosophical and manual	· · ·		3,600 00	
paratus	ti aiiii	ng ap-	8,200 00	
paratus			12,000 00	
				157,800 00
Forster Schoolhouse and	Annex	i, land	00 000 00	
(30,632 feet) and building	S .	• •	82,000 00 3,350 00	
Furniture Books			4,100 00	
				89,450 00
George L. Baxter Schoolhou	se, land	(11,000	21 200 00	
feet) and building	•	• •	$31,800 00 \\ 1,155 64$	
Furniture Books			450 00	
				33,405 64
George W. Durell Schoolhou	ise, land	(13,883	. 10 000 00	
feet) and building . Furniture	•	•	$\begin{array}{cccc} & 19,000 & 00 \\ & 650 & 00 \end{array}$	
Books		• •	500 00	
				20,150 00
Highland Schoolhouse, land (* 0.000.00	
building Furniture	•	•	$58,000 00 \\ 2,250 00$	
Books	• • • •		2,800 00	
				63,050 00
Jacob T. Glines Schoolhous			5 0 000 00	
feet) and building . Furniture	•		78,200 00 2,600 00	
Books			2,100 00	
200.03	•	•		82,900 00
Latin High Schoolhouse			60,000 00	
Furniture			$2,000 \ 00$ $500 \ 00$	
Philosophical apparatus Books			3,300 00	
1700K3	•	•		65,800 00
Lincoln Schoolhouse, land (17,662 fe	eet) and	1 = > 0 0 0 0	
building Furniture	•	• •	$\begin{array}{ccc} 17,500 & 00 \\ 650 & 00 \end{array}$	
Books	•		500 00	
EGOKS	•	• •		18.650 00
Luther V. Bell Schoolhous	e, land	(22,262)		
feet) and building . Furniture	•		43,000 00	
Books	•	• •	$2,250 \ 00$ $2,400 \ 00$	
	•	• •		47.650 00
Martin W. Carr Schoolhous	se, land	(20,450)		
feet) and building Furniture	•		51,000 00	
Books	•	• •	2,800 00 2,800 00	
	•	•	2,000 00	56,600 00
Morse Schoolhouse, land (2	9,000 fe	et) and		
building			44,000 00	
Furniture	•	• •	$2.250 \ 00$ $2,800 \ 00$	
	•	•	2,000 00	49,050 00
A				
Amount carried forward				\$1,368,285 64

Amount brought forward		\$1,368,285 64
and building	48,000 00 2,250 00	
Books	3,000 00	53,250 00
Prescott Schoolhouse, land (22,000 feet) and building	64,000 00	00,200 00
Furniture	2,250 00 2,700 00	
Prospect-hill Schoolhouse, land (23,733 feet)	2,700 00	68,950 00
and building	15,000 00	
Furniture	1,000 00 475 00	10 477 00
Benjamin G. Brown Schoolhouse, land	20 400 00	16,475 00
(20,093 feet) and building	38,400 00 1,290 16	
Books	700 00	40,390 16
Sanford Hanscom Schoolhouse, land (12,756 feet) and building	48,500 00	
Furniture	1,000 00 500 00	X 0.000.00
Schoolhouse in Ward One (Jackson School lot) land (12,000 feet) and		50,000 00
building		21,161 18
(55,054 feet) and building	69,300 00	
Furniture	2,250 00 2,300 00	5 0 0 5 0 0 0
City Stables, dwelling houses and school-	0.4.000.00	73,850 00
house and 462,623 feet of land Equipments for highway repairs	84,000 00 21,690 00	
Watering carts and sheds	5,000 00	110,690 00
No. 1 Fire Station, land (8,937 feet) and building	33,200 00	
Engine No. 2 and apparatus Hose wagon No. 1 and apparatus	4,000 00 1,500 00	
Furniture	400 00	39,100 00
No. 2 Fire Station, land (5,500 feet) and building	10,400 00	
Furniture	400 00 1,500 00	40.000.00
No. 3 Fire Station, land (5,000 feet) and	40.000.00	12,300 00
building	10,000 00	
Hose wagon No. 3 and apparatus Hook and ladder truck and apparatus .	1,500 00 3,400 00	4 200 00
		15,300 00
Amount carried forward		\$1,869,751 98

Amount brought forward					\$1,869,751	98
No. 4 Fire Station, land (9,	100 feet) and	15,500	00		
building	•	•	400			
Furniture	•		4,000	00		
Combination wagon and app	paratus		2,500	00	. 22,400	00
No. 5 Fire Station, land (39,	000 feet) and			. 22,400	00
building			16,500	00		
building Furniture	•		16,500 400 $1,500$	00		
Hose wagon No. 5 and appar	ratus	•	1,500		18,400	00
No. 6 Fire Station, land (8,	113 feet) and			10,100	
building			17,600	00		
	•	•	600 4,850			
Apparatus	•	•	4,000		23,050	00
Hook and Ladder Station	No. 2,	land	4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4			
(9,903 feet) and building.	•	•	14,100 1,200	00		
Furniture	•	•	7,500	00		
Apparatus	•	•			22,800	00
Central Fire Station, land (11	,738 feet) and		•		
building Furniture	•		36,700 500			
Furniture Engine No. 1 and apparatus	•	•	4,000			
Hose wagon and apparatus			2,000			
Two relief hose carriages. One relief hook and ladder	•		1,000	00		
One relief hook and ladder	•		400			
Chemical Engine A and equi	pment	•	2,498	53	47,098	53
Fire Alarm and Police Signal	apparatu	1s		•	36,100	
Police Station, land (15,22)						
building			54,000			
Furniture	•	• •	3,000	00	57,000	00
City Home, Broadway, land	(421,648	feet)			91,000	00
and buildings	•		29,400	00		
Furniture	•		1,426	09	20.006	00
City Home, land adjacent (9,4)	22 feet)	•	1,600	00	30,826	09
(74,	593 feet	· .	13,500			
		-			15,100	
Water Works				•	791,690	
Prospect street, land (7,918 fee Broadway Park (cost \$212,993.	t) and b 20) (700	ullaing	nre feet)	•	6,800 270,000	
Nathan Tufts Park (about 4 54	4-100 acı	es. 217.	572 feet)		68,000	
Lincoln Park, Washington stre	eet (289,1	140 squ	are feet)		63,200	00
Prospect-hill Park (29,556 feet		. , .			8,800	
(57,500 fee Franklin Park, 40,000 feet .	τ) .	•	• •	•	20,000 12,000	
Powder-House Boulevard (200,618	square	feet) a	nd	12,000	00
building	•				22,500	
Joy street, land (2,700 feet) . Walnut Hill, land (10,890 feet		•	• •	٠	500 2,300	
College avenue, land (18,000 fee			•	•	6,000	
Webster avenue, land (10,000	feet)				2,500	00
Holland street, land (217,800 f	eet)				35,500	00
Amount carried forward .					\$3,452,316	82

Amount brought forward		\$3,452,316 82
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
Oliver street, land (50,000 feet)		18,000 00
Whipple street, land (15,240 feet)		3,000 00
Beacon street, land (10,000 feet)		2,800 00
Passageway on Putnam street (1,135 feet)		400 00
Stand Pipe lot (17,176 feet)		5,100 00
Glen street, land (6,370 feet) and storehouse .		2,300 00
Somerville avenue, land (305 feet)		300 00
Broadway, junction Main street, land	•	900 00
Total amount of public property	•	\$3,509,116 82

TABLE B.-FUNDED DEBT DECEMBER 31, 1901. City Loan Bonds.

DATE. Number of Bonds. Rate per cent. of Interest. When due. Denomination. A July 1, 1894 1,647 to 1,655 4 July 1, 1902 \$1,000 July 1, 1895 1,846 to 1,863 4 July 1, 1902 1,000 July 1, 1896 2,107 to 2,115 4 July 1, 1902 1,000 July 1, 1897 2,267 to 2,275 4 July 1, 1902 1,000 July 1, 1898 2,397 to 2,406 4 July 1, 1902 1,000 July 1, 1899 2,532 to 2,539 4 July 1, 1902 1,000 July 2, 1900 2,638 to 2,649 3½ July 1, 1902 1,000 July 1, 1901 2,778 to 2,785 3½ July 1, 1902 1,000 October 1, 1891 1,212 to 1,214 4 Oct. 1, 1902 1,000	\$9,000 18,000 9,000 10,000 8,000 12,000 8,000
July 1, 1895 1,846 to 1,863 4 July 1, 1902 1,000 July 1, 1896 2,107 to 2,115 4 July 1, 1902 1,000 July 1, 1897 2,267 to 2,275 4 July 1, 1902 1,000 July 1, 1898 2,397 to 2,406 4 July 1, 1902 1,000 July 1, 1899 2,532 to 2,539 4 July 1, 1902 1,000 July 2, 1900 2,638 to 2,649 3½ July 1, 1902 1,000 July 1, 1901 2,778 to 2,785 3½ July 1, 1902 1,000	18,000 9,000 9,000 10,000 8,000 12,000
July 1, 1896 2,107 to 2,115 4 July 1, 1902 1,000 July 1, 1897 2,267 to 2,275 4 July 1, 1902 1,000 July 1, 1898 2,397 to 2,406 4 July 1, 1902 1,000 July 1, 1899 2,532 to 2,539 4 July 1, 1902 1,000 July 2, 1900 2,638 to 2,649 3½ July 1, 1902 1,000 July 1, 1901 2,778 to 2,785 3½ July 1, 1902 1,000	9,000 9,000 10,000 8,000 12,000
July 1, 1897 2,267 to 2,275 4 July 1, 1902 1,000 July 1, 1898 2,397 to 2,406 4 July 1, 1902 1,000 July 1, 1899 2,532 to 2,539 4 July 1, 1902 1,000 July 2, 1900 2,638 to 2,649 3½ July 1, 1902 1,000 July 1, 1901 2,778 to 2,785 3½ July 1, 1902 1,000	9,000 10,000 8,000 12,000
July 1, 1898 2,397 to 2,406 4 July 1, 1902 1,000 July 1, 1899 2,532 to 2,539 4 July 1, 1902 1,000 July 2, 1900 2,638 to 2,649 3½ July 1, 1902 1,000 July 1, 1901 2,778 to 2,785 3½ July 1, 1902 1,000	10,000 8,000 12,000
July 1, 1899 2,532 to 2,539 4 July 1, 1902 1,000 July 2, 1900 2,638 to 2,649 3½ July 1, 1902 1,000 July 1, 1901 2,778 to 2,785 3½ July 1, 1902 1,000	8,000 12,000
July 2, 1900 2,638 to 2,649 3½ July 1, 1902 1,000 July 1, 1901 2,778 to 2,785 3½ July 1, 1902 1,000	12,000
July 1, 1901 2,778 to 2,785 3½ July 1, 1902 1,000	
	8,000
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
July 1, 1901 2,786 to 2,793 3½ July 1, 1903 1,000	8,000
October 1, 1891 1,215 to 1,217 4 Oct. 1, 1903 1,000	3,000
October 1, 1893 1,547 to 1,581 $4\frac{1}{2}$ Oct. 1, 1903 1,000	35,000
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 $3\frac{1}{2}$ July 1, 1904 1,000	12,000
July 1, 1901 $2,794 \text{ to } 2,801$ $3\frac{1}{2}$ July 1, 1904 1,000	8,000
October 1, 1891 1,218 to 1,220 4 Oct. 1, 1904 1,000	3,000
	321,000

City Loan Bonds.—Continued.

DATE.	Number of Bonds.	Rate per cent. of Interest.	When Due.	Denomi- nation.	Amount.
	Amount	brought	forward		\$321,000
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	31/2	July 1, 1905	1,000	12,000
July 1, 1901	2,802 to 2,809	31/2	July 1, 1905	1,000	8,000
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	31/2	July 1, 1906	1,000	10,000
July 1, 1901	2,810 to 2,817	3 <u>1</u>	July 1, 1906	1,000	8,000
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	$3\frac{1}{2}$	July 1, 1907	1,000	10,000
July 1, 1901	2,818 to 2,825	3 <u>1</u>	July 1, 1907	1,000	8,000
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 [,]
	Amount	carried	forward .		\$583,000

City Loan Bonds.—Continued.

DATE.	Number of Bonds.	Rate per cent. of Interest.	When due.	Denomi- nation.	Amount.
	Amount	brought	forward		\$583,000
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	$3\frac{1}{2}$	July 1, 1908	1,000	10,000
July 1, 1901	2,826 to 2,832	$3\frac{1}{2}$	July 1, 1908	1,000	7,000
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	$3\frac{1}{2}$	July 1, 1909	1,000	10,000
July 1, 1901	2,833 to 2,839	$3\frac{1}{2}$	July 1, 1909	1,000	7,000
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	31	July 1, 1910	1,000	10,000
July 1, 1901	2,840 to 2,846	$3\frac{1}{2}$	July 1, 1910	1,000	7,000
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	$3\frac{1}{2}$	July 1, 1911	1,000	5,000
July 1, 1901	2,847 to 2,853	$3\frac{1}{2}$	July 1, 1911	1,000	7,000
July 1, 1894	1,716 to 1,721	4	July 1, 1912	1,000	6,000
	Amount	carried	forward		\$797,000

City Loan Bonds. — Continued.

DATE.	Number of Bonds.	Rate per cent. of Interest.	When due.	Denomi- nation.	Amount.
	Amount	brought	forward		\$797,000
July 1, 1895	2,005 to 2 018	4	July 1, 1912	\$1,000	14,000
July 1, 1896	2,188 to 2,194	4	July 1, 1912	1,000	7,000
July 1, 1897	2,341 to 2,344	4	July 1, 1912	1,000	4,000
July 1, 1898	2,481 to 2,485	4	July 1, 1912	1.000	5,000
July 1, 1899	2,600 to 2,603	4	July 1, 1912	1,000	4,000
July 2, 1900	2,741 to 2,745	$3\frac{1}{2}$	July 1, 1912	1,000	5,000
July 1, 1901	2,854 to 2,857	$3\frac{1}{2}$	July 1, 1912	1,000	4,000
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	$3\frac{1}{2}$	July 1, 1913	1,000	4,000
July 1, 1901	2,858 to 2,861	31/2	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	31/2	July 1, 1914	1 000	4,000
July 1, 1901	2,862 to 2,865	$3\frac{1}{2}$	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	$3\frac{1}{2}$	July 1, 1915	1,000	4,000
	Amount	carried	forward .		\$970,000

City Loan Bonds .- Concluded.

		Rate per		D	
DATE.	Number of Bonds.	cent. of Interest.	When due.	Denomination.	Amount.
	Amount	brought	forward		\$970,000
July 1, 1901	2,866 to 2,869	31	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	$3\frac{1}{2}$	July 1, 1916	1,000	4,000
July 1, 1901	2,870 to 2,873	$3\frac{1}{2}$	July 1, 1916	1,000	4,000
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	$3\frac{1}{2}$	July 1, 1917	1,000	4,000
July 1, 1901	2,874 to 2,877	$3\frac{1}{2}$	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	$3\frac{1}{2}$	July 1, 1918	1,000	4,000
July 1, 1901	2,878 to 2,881	3 1	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	$3\frac{1}{2}$	July 1, 1919	1,000	4,000
July 1, 1901	2 SS2 to 2,SS5	312	July 1, 1919	1,000	4,000
July 2, 1900	2,774 to 2,777	31/2	July 1, 1920	1,000	4,000
July 1, 1901	2,886 to 2,889	31	July 1, 1920	1,000	4,000
July 1, 1901	2,890 to 2 893	31/2	July 1, 1921	1.000	4,000
	Total amount	of City	Loan Bonds		\$1,059,000

Sewer Loan Bonds.

DATE. N	umber of Bonds.	Rate per cent. of Interest.	When due.	Denomi- nation.	Amount.
				nation.	Zimount,
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
July 1, 1901	224	31/2	July 1, 1902	1,000	1,000
October 1, 1893	44	$4\frac{1}{2}$	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
July 1, 1901	225	31/2	July 1, 1903	1,000	1,000
October 1, 1893	45	$4\frac{1}{2}$	Oct. 1, 1903	1,000	1,000
July 1, 1894	63	4	July 1, 1904	1,000	1,000
July 1, 1897	180	4	July 1, 1904	1,000	1,000
July 1, 1898	204	4	July 1, 1904	1,000	1,000
July 1, 1901	226	31	July 1, 1904	1,000	1,000
October 1, 1893	46	$4\frac{1}{2}$	Oct. 1, 1904	1,000	1,000
July 1, 1894	64	4	July 1, 1905	1,000	1,000
July 1, 1897	181	4	July 1, 1905	1,000	1,000
July 1, 1898	205	4	July 1, 1905	1,000	1,000
July 1, 1901	227	$3\frac{1}{2}$	July 1, 1905	1,000	1,000
October 1, 1893	47	$4\frac{1}{2}$	Oct. 1, 1905	1,000	1,000
July 1, 1894	65	4	July 1, 1906	1,000	1,000
July 1, 1897	182	4	July 1, 1906	1,000	1,000
July 1, 1898	206	4	July 1, 1906	1,000	1,000
July 1, 1901	228	31/2	July 1, 1906	1,000	1,000
October 1, 1893	48	$4\frac{1}{2}$	Oct. 1, 1906	1,000	1,000
July 1, 1894	66	4	July 1, 1907	1,000	1,000
July 1, 1897	183	4	July 1, 1907	1,000	1,000
July 1, 1898	207	4	July 1, 1907	1,000	1,000
July 1, 1901	229	3 1	July 1, 1907	1,000	1,000
October 1, 1893	49	$4\frac{1}{2}$	Oct. 1, 1907	1,000	1,000
July 1, 1894	67	4	July 1, 1908	1,000	1,000
	Amount	carried	forward		\$31,000

Sewer Loan Bonds.—Continued.

DATE.	Number of Bonds.	Rate per cent. of Interest.	When due.	Denomi- nation.	Amount.
	Amount	brought	forward		\$31,000
July 1, 1897	184	4	July 1, 1908	\$1,000	1,000
July 1, 1898	208	4	July 1, 1908	1,000	1,000
July 1, 1901	230	$3\frac{1}{2}$	July 1, 1908	1,000	1,000
October 1, 1893	50	$4\frac{1}{2}$	Oct. 1, 1908	1,000	1,000
July 1, 1894	68	4	July 1, 1909	1,000	1,000
July 1, 1897	185	4	July 1, 1909	1,000	1,000
July 1, 1898	209	4	July 1, 1909	1,000	1,000
July 1, 1901	231	31/2	July 1, 1909	1,000	1,000
October 1, 1893	51	$4\frac{1}{2}$	Oct. 1, 1909	1,000	1,000
July 1, 1894	69	4	July 1, 1910	1,000	1,000
July 1, 1897	186	4	July 1, 1910	1,000	1,000
July 1, 1898	210	4	July 1, 1910	1,000	1,000
July 1, 1901	232	31/2	July 1, 1910	1,000	1,000
October 1, 1893	52	$4\frac{1}{2}$	Oct. 1, 1910	1,000	1,000
July 1, 1894	70	4	July 1, 1911	1,000	1,000
July 1, 1897	187	4	July 1, 1911	1,000	1,000
July 1, 1898	211	4	July 1, 1911	1,000	1,000
July 1, 1901	233	$3\frac{1}{2}$	July 1, 1911	1,000	1,000
October 1, 1893	53	$4\frac{1}{2}$	Oct. 1, 1911	1,000	1,000
July 1, 1894	71	4	July 1, 1912	1,000	1,000
July 1, 1897	188	4	July 1, 1912	1,000	1,000
July 1, 1898	212	4	July 1, 1912	1,000	1,000
July 1, 1901	234	$3\frac{1}{2}$	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, 1901	235	31/2	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
	Amount	carried	forward .		\$60,000

Sewer Loan Bonds.—Continued.

DATE.	Number of Bonds	Rate per cent. of Interest.	When due.	Denomi- nation.	Amount.
	Amoun	t brought	forward		\$60,000
July 1, 1898	214	4	July 1, 1914	\$1,000	1,000
July 1, 1901	236	31/2	July 1, 1914	1,000	1,000
July 1, 1897	191	4	July 1, 1915	1,000	1,000
July 1, 1898	215	4	July 1, 1915	1,000	1,000
July 1, 1901	237	$3\frac{1}{2}$	July 1, 1915	1,000	1,000
July 1, 1897	192	4	July 1, 1916	1,000	1,000
July 1, 1898	216	4	July 1, 1916	1,000	1,000
July 1, 1901	238	37	July 1, 1916	1,000	1,000
July 1, 1897	193	4	July 1, 1917	1,000	1,000
July 1, 1898	217	4	July 1, 1917	1,000	1,000
July 1, 1901	239	31/2	July 1, 1917	1,000	1,000
July 1, 1897	194	4	July 1, 1918	1,000	1,000
July 1, 1898	218	4	July 1, 1918	1,000	1,000
July 1, 1901	240	31/2	July 1, 1918	1 000	1,000
July 1, 1897	195	4	July 1, 1919	1,000	1,000
July 1, 1898	219	4	July 1, 1919	1,000	1,000
July 1, 1901	241	312	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, 1901	242	31/2	July 1, 1920	1,000	1 000
July 1, 1897	197	4	July 1, 1921	1,000	1,000
July 1, 1898	221	4	July 1, 1921	1,000	1,000
July 1, 1901	243	31/2	July 1, 1921	1,000	1,000
July 1, 1897	198	4	July 1, 1922	1,000	1,000
July 1, 1898	222	4	July 1, 1922	1,000	1,000
July 1, 1901	244	31/2	July 1, 1922	1,000	1,000
July 1, 1898	223	4	July 1, 1923	1,000	1,000
July 1, 1901	245	31/2	July 1, 1923	1,000	1 000
July 1, 1901	246	$3\frac{1}{2}$	July 1, 1924	1,000	1,000
	Amoun	t carried	forward .		\$89,000

Sewer Loan Bonds. - Continued.

DATE.	Number of Bonds.	Rate per cent. of Interest.	When due.	Denomi- nation.	Amount.
	Amount	brought	forward		\$89,000
July 1, 1901	247	$3\frac{1}{2}$	July 1, 1925	\$1,000	1,000
July 1, 1901	248	$3\frac{1}{2}$	July 1, 1926	1,000	1,000
July 1, 1901	249	$3\frac{1}{2}$	July 1, 1927	1,000	1,000
July 1, 1901	250	$3\frac{1}{2}$	July 1, 1928	1,000	1,000
July 1, 1901	251	$3\frac{1}{2}$	July 1, 1929	1,000	1,000
July 1, 1901	252	$3\frac{1}{2}$	July 1, 1930	1,000	1,000
July 1, 1901	253	31/2	July 1, 1931	1,000	1,000
Total amount	of Sewer Loan	Bonds	under debt	limit .	\$96,000

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.	Denomi- nation.	Amount.
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	16 2 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	\$76,000

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	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		\$55,000

Water Loan Bonds.

DATE.	Number of Bonds.	Rate per cent. of Interest.	When due.	Denomination.	Amount.
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	6453	4	July 1, 1902	1,000	1,000
October 1, 1889	347 to 348	4	Oct. 1, 1902	1,000	2,000
October J, 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	6454	4	July 1, 1903	1,000	1,000
October 1, 1889	349 to 350	4	Oct. 1, 1903	1,000	2,000
October 1, 189	448 to 449	4	Oct. 1, 1903	1,000	2,000
July 1, 1886	257 to 266	4	July 1, 1904	1,000	10,000
July 1, 1896	6455	4	July 1, 1904	1,000	1,000
October 1, 1889	351 to 352	4	Oct. 1, 1904	1,000	2,000
October 1, 1890	450 to 451	4	Oct. 1, 1904	1,000	2,000
July 1, 1896	<i>b</i> 456	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	$5\frac{1}{2}$	July 1, 1906	5,000	10,000
July 1, 1896	6457	4	July 1, 1906	1,000	1,000
October 1, 1889	356 o 358	4	Oct. 1, 1906	1,000	3,000
October 1, 1890	454 to 455	4	Oct. 1, 1906	1,000	2,000
July 1, 1886	267 to 276	4	July 1, 1907	1,000	10,000
July 1, 1888	291	4	July 1, 1907	1,000	1,000
July 1, 1896	<i>b</i> 458	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	<i>b</i> 459	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
	Amount	carried	forward		\$117,000

Water Loan Bonds.-Concluded.

DATE.	. Number of Bonds.	Rate per cent. of Interest.	When due.	Denomination.	Amount.
	Amount	brought	forward		\$117,000
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
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 .	\$175,000

Recapitulation.

City Loan Bonds Sewer Loan Bonds			•	\$1,059,000 96,000	00 00		
Total amount of the limit provid	ed by la	aw	•			\$1,155,000	00
Sewer Loan Bonds, 357, Acts of 1895 City Loan Paving				\$76,000	00		
Chapter 153, Acts				55,000	00		
Total amount of of the limit a							
under special A Water Loan Bonds	cts .					131,000 175,000	
Total amount of	Funded	Debt	c			\$1,461,000	00

TABLE C. — STATEMENT OF ACCOUNTS, SHOWING APPROPRIATIONS, EXPENDITURES, ETC., TO DECEMBER 31, 1901. Assessors.

CREDIT.		
Appropriations, from Taxes, 1901 Excess and Deficiency, balance to debit of according	ount	\$9,800 00 56 47
	_	\$9,856 47
DEBIT.		4-,
Cash, paid Albert B. Fales, salary as chair-		
man of the board of assessors	\$1,800 00	
Benjamin F. Thompson, assessor	800 00	
Nathan H. Reed, assessor	800 00	
Harry A. True, assessor	800 00	
Jesse J. Underhill, assessor	800 00	
Fred B. Clapp, assistant assessor	$\frac{250}{250} \frac{00}{00}$	
Charles C. Farrington, assistant assessor	$\begin{array}{ccc} 250 & 00 \\ 250 & 00 \end{array}$	
Edgar T. Mayhew, assistant assessor . James J. Wilson, assistant assessor	$\frac{250}{250} \frac{00}{00}$	
Gertrude G. Kendall, first assistant clerk	$\frac{290}{700} \frac{00}{00}$	
car fares	1 50	
Jennie L Jones, second assistant clerk .	600 00	
car fares	23 90	
Laura E. Peavey, clerical services	181 33	
Aunita N. Fales, clerical services	149 33	
Cora S. Fitch, clerical services	193 34	3
Mabel E. Hall, clerical services	225 34	
Lillian E. Leavitt, clerical services . Gertrude A. Kendall, clerical services .	$102 66 \\ 137 34$	
Persis K. White, clerical services	105 33	
Josephine M. Clark, clerical services .	48 00	
Ada C. Walker, clerical services	81 34	
Theodore H. Locke, clerical services .	40 00	•
Raymond A. Farr, clerical services .	48 00	
Herbert I. Leighton, clerical services .	50 00	
Charles B. Palmer, clerical services .	*50 00	
Thomas Groom & Co., stationery and de-	107.09	•
partment books	187 83	
Somerville Journal Co., printed forms . Samuel Ward Co., stationery	$\begin{array}{ccc} 112 & 00 \\ 10 & 85 \end{array}$	
Iames Wilson stationery	5 50	
James Wilson, stationery	90	1
Blackbird Pen Co., pens	5 00	
Carter's Ink Co., ink	1 13	
Sampson, Murdock Co., directory .	5 00	
W. A. Greenough & Co., directory .	3 00	1.3
Citizen Co., printing and advertising	659 20	
McGrath & Woodley, department	20 50	
books	$\begin{array}{ccc} 20 & 50 \\ 20 & 00 \end{array}$	
State of Maine, abstracts of corporation	20 00	
returns	22 00	
New England Telephone & Telegraph		
Co., rentals and tolls	44 00	
Gilman Express, expressing	15	
George E. Lowell, carriage hire	14 00	
Joseph Gridley, lunch	8 00	00 020 15
1		\$9,856 47

Cash.

		CRE	DIT.						
Payments as follows:-									
Assessors City Auditor City Clerk City Engineer City Messenger City Solicitor City Treasurer Clerk of Committees and December Contingent Fund								\$9,856	47
City Auditor								701	
City Clerk								7,863	
City Engineer								11,751	
City Messenger								2,152	
City Solicitor								2,228	
City Treasurer							·	12,267	
Clerk of Committees and D	ena	rtmei	ats	Ž				4,054	
County of Middlesex . Commonwealth of Massacht Coupons Unpaid Election Expanses:	- [Ĭ		·		3,981	
County of Middlesex		·				Ċ	•	55,129	
Commonwealth of Massachi	iset	ts		•		•	•	32,023	
Coupons Unpaid	1501		•	•	•	•	•	28,767	
Election Expenses:—		•	•	•	•	•	•	20,101	00
City Clerk								665	61
City Clerk	!11i1	dinas	•	•	•	•	•	709	
Pay of Flection Officers	un	umgs	•	•	•	•	•	1,586	
Registrars of Voters	•	•	•	•	•	•	•	1,513	
Flectrical Department	•	•	•	•	•	•	•	7,435	
Electrical Department . Electrical Department, Bell	f	Trace	· T	T		•	•	476	
Contagious Disease Hospita	101	Eng:	me 1	WO L	iouse	٠	•		
Contagious Disease Hospita Executive Department.	11	•	•	•	•	•	•	19,358	
Executive Department .	•	•	•	•	•	•	•	3,656	
Fire Department	•	•	•	•	•	•	•	61,136	
Funded Debt	•	•	•	•	•	•	•	163,000	
Health Department .	•	•	•	•	•	٠	•	39,161	61
Highways:— Construction Maintenance								11.000	0.4
Construction	•	•	•	•	•	٠	•	11,036	
Maintenance		•	•	•	•	٠	•	76,276	
Paved Gutters and Crossi	ngs							15,054	
Boston-Avenue Bridge Paving Cross Street .		•	•	•	•	•	•	914	
Paving Cross Street .	•	•	•		•	•	•	23,156	
Watering Streets .		•	•	•		•	•	15,682	
Inspection of Buildings			•	•	•	•	•	4,492	
Interest				•	•			17,671	
Watering Streets Inspection of Buildings Interest Military Aid Overlay and Abatement Overplus on Tax Sales Police Powder-house Boulevard Printing and Stationery Public Buildings Construction								864	
Overlay and Abatement .								60	
Overplus on Tax Sales .								750	
Police								62,009	48
Powder-house Boulevard								14,715	43
Printing and Stationery								1,920	93
Public Buildings Constructi	on:	.—							
Schoolhouse in Ward One								13,161	18
Shed at City Home .								1,492	18
Public Buildings Maintenan	ce:							ŕ	
City Hall								$4,22\bar{1}$	41
City Hall Annex .								763	
Fire Department .								3,806	04
Health								887	
Highways								565	21
Police								4,155	
Public Grounds								21	
Public Library								3,714	
Schoolhouses								49,118	
Sewer Department .								13	
Support of Poor			•	•				519	
Water Department .		•	•			•		120	
rater Department .		•	•	•					
Amount carried forward								\$796,643	70
2 Inount carried for ward		•	•	•	•			4.00,010	

A 1	1				#0*E 00* 00	#2.200 F (F 0#
Amounts brought forward	1	•	•	•	\$257,605 62	\$2,269,545 81
Highways:— Maintenance Boston-Avenue Bridge Paving Cross Street . Watering Streets Highway Betterment Assess					01 005 40	
Maintenance	•	•	•	•	21,285 42	
Boston-Avenue Bridge	•	•	•	•	2,500 00	
Paving Cross Street.	•	•	•	•	13,057 74	
Watering Streets	•	. •	•	•	271 48	
Highway Betterment Assess	men	its	•	•	869 54	
Interest	•	•	•	•	18,714 26	
Metered Water Charges	•	•	•	•	13,480 12	
Overlay and Abatement	•	•	٥	•	34 00	
Police	•	•	•	•	6,551 97	
Powder House Boulevard	•	~ :		•	2,030 75	
- Fublic Dulianies Constincti	он. ,	$\mathcal{S}_{\mathrm{CHO}}$	ошо	use		
in Ward One . Public Grounds	•	•			150 00	
Public Grounds			•		114 11	
Public Buildings Maintenand Highways Police Public Library Schoolhouses Public Library Public Library	ce:-	_				
Highways					130 00	
Police					600 00	
Public Library					294 92	
Schoolhouses					57 37	
Public Library					3.398 18	
Public Library:—					-,	
Isaac Pitman Fund Incom	me.	Art			80 00	
Isaac Pitman Fund, Incon Real Estate Liens Reduction of Funded Debt School Contingent Schoolhouse in Ward Two	1e. T	Poetr	·v .		20.00	
Real Estate Liens	, .	. 0011		•	25 00	
Reduction of Funded Debt	•	•	•	•	3 925 96	
School Contingent	•	•	•	•	161 75	
Schoolhouse in Ward Two	•	•	•	•	101 19	
Solar of Weights and Mon		•	•	•	356 07 11,533 98 146 89 17,428 93 2,306 83 44 00	
Sealer of Weights and Mea Sewer Assessments Sewers Construction	Sure	· S	•	•	11 599 00	
Sewer Assessments .	•	•	•	•	11,000 90	
Sewers Construction .	•	•	•	•	17 400 09	
Sidewalk Assessments . Sidewalks Construction .	•	•	•	•	17,428 93	
Sidewarks Construction.	•	•	•	•	2,306 83	
Soldiers' Relief	•	•	•	•	44 00 60 00	
State Aid	•	•	•	•	60 00	
Soldiers' Relief State Aid	•	•	•	•	150 96	
Support of Poor:—						
Sundry Persons Support of Poor:— Almshouse City Home Miscellaneous Taxes Temporary Loans Water Maintenance					268 50	
City Home					1,473 20	
Miscellaneous					6,430 43	
Taxes					914,327 15	
Temporary Loans					750,000 00	
Water Maintenance .					14,789 70	
Water Service Assessments					4,058 39	
Water Works Extension					313 52	
Water Works Income .					200,498 98	
	•	·	·	·		\$2,269,545 81
C*4 A 3*4						
City Auditor.						
		CRE	DIT.			
Appropriations, Taxes 1901						\$750 00
		DEH				
Cool 1 C D 1						
Cash, paid Charles S. Robe			•	as	Ø500 00	
auditor	•	•	•	•	\$700 00	
disbursements .		•	•	•	20	
C. C. Hoffman & Co., ru	ibbe:	r sta	mp		1 40	
73					\$701 60	
Excess and Deficiency, balan	nce '	to cr	edit	of		
account				•	48 40	
						\$750 00

City Clerk.

City Clerk.							
	CREI	DIT.					
Appropriations, from Taxe	s 1901 .				. \$6	,900	00
Cash, received of George I.	Vincent.	City	Clerk:		Ψ°.	,	
Recording mortgages				\$396	50		
Licensing dogs				304 (
Marriage certificates.				336 (
Billiards and pool .				92 (
Amusements				37 (
Street musicians .				12 (00		
				35 7	75		
Junk licenses				315 (00		
Slaughtering				3 (00		
Private detectives .				20 0	00		
Liquor licenses				31 (00		
Fireworks				57 (00		
Intelligence offices .				22 (00		
Auctioneers' licenses .				46 0	00		
Junk badge					60		
June su ege			_			,707	75
					T		_
					\$8	,607	75
					*-	, - • ·	
	DEB	IT.					
Cash, paid George I. Vincer	it, salary	as ci	ty				
clerk				\$2,700 0	0		
Frederic W. Cook, assist	ant city of	clerk		1,254 1	.6		
Clara B. Snow, first assis				700 0			
Edith A. Woodman, sec							
clerk				600 0	00		
Mary A Sleeper, third as		clerk		500 0	0		
Alice M. Vincent, four							
clerk				450 0	0		
Elizabeth S. Webster, ce	nsus of b	irths		57 4			
Susan E. Gilcrease, censu				40 3			
Clara Z. Elliot, census of				36 9			
Arthur D. Osborn, censu	s of birth	ıs.		29 7			
Charles E. Davis, census	of births			28 4			
John F. Kennard, census				24 2			
Albert C. Aldrich, return	of birth	19	•	-70			
Edward E. Allen, return	of birth	S	•		$\ddot{0}$		
Winfield H. Ames, return			•	1 0			
George G. Averill, return			•	$\stackrel{\overset{\bullet}{2}}{0}$			
William H. Bailey, return			•	$\bar{1}\ \check{7}$			
Frank E. Bateman, retur	n of hirth	10	•		5		
William A. Bell, return of	of hirths	13	•	5 0			
Giles W. Bryant, return		•	•	$\frac{3}{2}$ $\frac{6}{5}$			
Herbert E. Buffum, retu	rn of hire	·he	•	$\frac{1}{2}$ (
Lewis N. Bump, return of	of hirthe	.113	•	$\frac{1}{4}$ 2			
Charles S. Cahill, return	of hirthe	•	•	8 0			
Frank F. Carr, return o		•	•	1 0			
Alphonso H. Carvill, retu	irn of hir	the	•	$\begin{array}{cccccccccccccccccccccccccccccccccccc$			
William H. Clancy, retu	rn of bir	the	•	7.			
W. Morrill Colby, return	of hirth	1115	•	7.			
Catherine Connor, return	of birth		•				
John F. Couch, return of		э.	•				
John M. Crocker, return	of birth		•	8 2			
Joseph H. Cuppingham	of births	bi-1	•	$\frac{1}{2}$			
Joseph H. Cunningham,	eturn of	Dirth	S	2 0	U		
Amounts carried forward			_	¢6.474 ×	6 00	COL	72
2 mounts carried for ward		•	•	\$6,474 5	0 \$8,	,607	19

Amounts brought forward	. \$6,474 56	\$8,607 75
Mary B. Currier, return of births .	. 1 25	, ,
Henry F. Curtis, return of births .	. 5 25	
Charles K. Cutter, return of births.		
E Duggell Dome noturn of hirths	05	
F. Russell Daille, return of births.	. 20	
Roland A. Davis, return of births.	. 1 00	
Alvah B. Dearborn, return of births	. 5 25	
A. J. Donnelly, return of births .	. 25	
Augustus W. Dudley, return of births	. 2 75	
Charles K. Cutter, return of births. F. Russell Dame, return of births. Roland A. Davis, return of births. Alvah B. Dearborn, return of births A. J. Donnelly, return of births. Augustus W. Dudley, return of births Thomas M. Durell, return of births. Charles C. Ellis, return of births.	6 25	
Charles C. Ellis return of births	. 6 25 . 75 . 1 00	
T. E. Esta astrono - Chinales .	. 100	
J. F. Fair, return of births	. 1 00	
James F. Ferry, return of births .	. 75	
James F. Ferry, return of births. Philip M. Fitzsimmons, return of births Patrick J. Finnegan, return of births W. E. Fleet, return of births. Douglas S. Flewelling, return of births John L. Flynn, return of births. A. Ward Follett, return of births. A. Waldo Forbush, return of births Arthur A. Gibson, return of births. Iohn A. Gregg, return of births.	1 25	
Patrick J. Finnegan, return of births	. 1 00	
W. F. Fleet return of births	2 00	
Douglas S Flewelling return of hirths	$\frac{1}{2}$ $\frac{1}{75}$	
John I Flynn return of births	0.75	
John L. Flynn, return of births .	. 2 10	
A. Ward Follett, return of births.	. 6 00	
A. Waldo Forbush, return of births	. 2 25	
Arthur A. Gibson, return of births.	. 19 00	
John A. Gregg, return of births	. 15 75	
Henry C Hache return of births	18 25	
Arthur A. Gibson, return of births. John A. Gregg, return of births. Henry C. Hache, return of births. William P. Hammond, return of births H. A. Hands, return of births.	. 75	
William P. Hainmond, return of births	. (5)	
H. A. Hands, return of births .	. 75 . 1 75	
Sanford Hanscom, return of births.	. 75	
William J. Hatchett, return of births	. 6 75	
W. E. Harvey, return of births .	25	
W. E. Harvey, return of births Edgar J. Howland, return of births Edwin S. Kimpton return of births	1 00	
Edwin C Vinnston noturn of hinths	2 00	
Edwin S. Kimpton, return of births	75 . 6 75 . 25 . 1 00 . 2 00 . 3 00 . 50 . 1 50 . 1 50 . 7 55 . 7 75 . 1 50	
R. L. Lane, return of births	3 00	
Leonora F. Lathe, return of births	. 50	
Thomas J. Leahy, return of births.	. 50	
Forrest Leavitt, return of births .	1 50	
Joseph S. Lockhart, return of births	1 50	
Charles F. Maguire, return of births	7 50	
Connect Malana and and births		
George C. Mahoney, return of births	. 1 10	
Horace P. Makechnie, return of births	. 1 50	
James A. McDonald, return of births	. 50 1 75	
Herbert B. McIntire, return of births	. 1 (0)	
Albert E. Merrill, return of births.	. 2 50	
Edward J. Meyer, return of births.		
George A. Miles, return of births.	. 10 75	
A Mail nature of hinths		
A. Moll, return of births	. 3 75	
Charles E. Mongan, return of births	. 19 25	
Frank L. Morse, return of births .	. 3 25	
Frank L. S. Newton, return of births	. 2 25	
J. F. O'Brien, return of births .	. 1 25	
Louis P. O'Donnell, return of births	$14 \ \overline{25}$	
Coores F Organd mature of births	4 75	
George E. Osgood, return of births		
Emma J. Peasley, return of births .	. 50	
Arthur R. Perry, return of births.	. 10 00	
Eugenie M. Phillips, return of births	5 75	
Ernest D. Pillsbury, return of births	. 2 75	
W. A. Putnam, return of births .	. 1 50	
Edwin A. Sanborn, return of births	. 75	
Ambrose C. Saunders, return of births	. 75	
Frederick G. Smith, return of births	. 11 50	
E. H. Stevens, return of births .	. 50	

Amounts brought forward	\$6,709 56	\$8,607 75
Anna B. Taylor, return of births	1 75 2 00	1 /
F. W. Taylor, return of births	2 00	
J. S. Thompson, return of births	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	
Harmon S. Trueman, return of births .	250	
Waldo H. Tyler, return of births	50	
Walter J. Webb, return of births	50	
Emory L. White, return of births	1 00	
Horace C. White, return of births	50 1 00 1 50 8 25	
M. W. White, return of births	8 25	
George W. W. Whiting, return of births	7 50	
Charles E. Williams, return of births .	50	
Joseph Williams, return of births	75 1 25 1 50	
Reuben Willis, return of births	1 25	
J. A. Wolcott, return of births	1 00	
W. A. Flaherty & Son, reporting deaths.	38 00	
Francis M. Wilson, reporting deaths .	$ \begin{array}{ccc} 28 & 00 \\ 20 & 75 \end{array} $	
J. J. Crimmings, reporting deaths	20 50	
E. H. Marsh & Son, reporting deaths . Alfred E. Mann, reporting deaths	19 75	
	15 00	
W. A. Frink, reporting deaths	14 00	
John W. Coveney, reporting deaths	10 75	
John E. Bryant, reporting deaths	8 00	
Thomas Groom & Co., books and sta-	0 00	
tionery	140 78	
McGrath & Woodley, books, etc	47 50	
A. C. Libby & Sons, stationery	6 85	
Smith Premier Typewriter Co., paper .	4 68	
Yawman & Erbe Mfg. Co., index cards .	9 75 3 00	
F. S. Blanchard, Mass. Year Book	3 00	
Sampson, Murdock, & Co., directory .	5 00	
Robert S. Robson, hand stamps	13 05	
Somerville Post-office, stamps	41 00	
Benjamin F. Allen, badges	15 90	
Citizen Co., printing and advertising	280 59	
Somerville Journal Co., printing and advertising	260 60	
John Donnelly & Sons, bill posting	6 00	
Carter's Ink Co., ink and ribbons	13 50	
New England Telephone & Telegraph	10 00	
Co., rentals and tolls	84 30	
American Express Co., expressing	13 52	
William Kirkland, expressing	50	
Gilman Express, expressing	45	
J. H. Grundy, expressing	15	
Glines & Co., expressing	15	
	45.000 FO	
Excess and Deficiency belows to small of	\$7, 863 58	
Excess and Deficiency, balance to credit of account	744 17	
account	(44 1)	\$8,607 75
		ψο,σστ το
City Engineer.		
CREDIT.		
Appropriations, from Taxes 1901		\$11,900 0 0
Cash, received of George Drady and others,		φ±±,000 00
plans	\$20 00	
Amounts carried forward	\$20 00	\$11,900 00

Amounts brought forward	\$20 00 20 00 17 00 15 00 10 00	\$11,900 00
F. A. Dewire, plans Joseph K. Warren, et al., plans	10 00 8 00	
Abutters on Spencer avenue, plan of ac-	8 00	
ceptance	15 00	
Abutters on Conwell street, plan of ac-		
ceptance	10 00	105 00
		125 00
		\$12,025 00
DEBIT.		Ţ,
Cash, paid Ernest W. Bailey, salary as		
city engineer	\$2,800 00	
Engineer's Assistants	8,238 77	
Engineer's Assistants	216 30	
Thomas Groom & Co., stationery	46 12	
Wadsworth, Howland, & Co., ink, paper,	138 93	
etc	100 90	
mats	8 90	
Charles E. Moss, blue print paper	8 55	
Watts Brothers, rules	9 50	
Library Bureau, cards	2 00	
M. L. Vinal, books	80	
Somerville Post-office, postage	87 16 25	
George A. Smith, sharpening scissors .	45	
Herbert Wood, repairing punch	$2 \ 05$	
Mrs. A. S. Maynard, re-covering weights	2 75	
C. L. Berger & Sons, repairing instru-	.	
ments	5 70	
B. N. Felton, use of transit	$\begin{array}{ccc} 20 & 00 \\ 20 & 90 \end{array}$	
G. G. Ledder, instrument supplies Keuffel & Esser Co., leveling rod A. J. Wilkinson, steel tape	14 00	
A. J. Wilkinson, steel tape	60	
J. H. Brooks, cotton cloth	4 .08	
Josiah Cummings, Son, & Co., bags .	11 00	
Wilbur P. Rice, stakes	29 25	
Charles L. Underhill, spring balance . Underhill Hardware Co., supplies	35 35	
Whitney & Snow, spikes and tools	39 73	
H. C. Dimond & Co., type	1 34	
George O. W. Servis, photographs	6 00	
New England Telephone & Telegraph	FO 10	
Co., rentals and tolls	$\begin{array}{c} 59 & 49 \\ 2 & 70 \end{array}$	
American Express Co., expressing J. H. Grundy, expressing	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	
Gilman Express Co., expressing	45	
Powder-House Boulevard account,		
stakes, car fares, etc	40 75	
	\$11.751.00	
Excess and Deficiency, balance to credit of	\$11,751 33	
account	273 67	
		\$12,025 00

City Messenger.		
CREDIT.		
Appropriations, from Taxes 1901	\$12 00	\$2,350 00
Contingent Fund, amount transferred .	3 00	15 00
-		15 00
		\$2,365 00
DEBIT.		•
Cash, paid Jairus Mann, salary as city mes-		
senger	\$1,500 00	
car fares	3 40	
F. J. Stanley, board of horses	472 00	
L. H. Brown, carriage hire	43 00 30 38	
W. H. Richardson, horseshoeing	50	
S. F. Phipps, horse medicine	2 15	
C. H. Batchelder & Co., horse cover .	4 00	
E. Spalding, harness work	$\frac{2}{3}$ 05	
D. J. Bennett, harness work	16 50	
Spalding Harness Co., harness work . Hill & Hill, blankets	$\begin{array}{c} 1 & 45 \\ 3 & 00 \end{array}$	
Underhill Hardware Co., weight	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	
Charles L. Underhill, carriage work .	30 00	
Mrs. A. H. Wood, mending carriage robe	4 00	
Thomas Groom & Co., blocks	3 87	
Robert S. Robson, hand stamps	$\begin{array}{c} 3 & 95 \\ 6 & 00 \end{array}$	
H. D. Padelford, postage	$\begin{array}{c} 6 & 60 \\ 2 & 50 \end{array}$	
C. M. Blake, newspapers	3 00	
M. A. Mann, laundering	12 00	
Whitney & Snow, dusters, etc	3 10	
E. R. Perham, expressing	2 40	
J. H. Grundy, expressing	30	
A. G. Renner, expressing	15	
Excess and Deficiency, balance to credit of	\$2,152 20	
account	212 80	
-		\$2,365 00
C:4 C -1: -:4		
City Solicitor.		
CREDIT.		
Appropriations, from Taxes 1901		\$2,350 00
DEBIT.		
Cash, paid Frank W. Kaan, salary as city		
solicitor	\$1,800 00	
solicitor	150 00	
recording deeds, court expenses, etc.	176 10	
Dennis Kelley, salary as claim agent	$\begin{array}{ccc} 99 & 99 \\ 2 & 45 \end{array}$	
car tares	4 40	
	\$2,228 54	
Excess and Deficiency, balance to credit of	1 - 1 - 2 - 3 -	
account	121 46	
		\$2,350 00

City Treasurer.

~	D		-	200	m
	ĸ	н	13		

CREDIT.		
Appropriations, from Taxes 1901		\$11,000 00
Cash, received of sundry persons, costs on	*** *** ***	
taxes and assessments	\$3,641 88	
Elizabeth J. McArthur, assessment, interest, and costs on lot 54 Victoria		
street	25 51	
Commonwealth of Massachusetts, fees	20 01	
for collecting National Bank Tax .	10 99	
		3,678 38
		\$14,678 38
DEDIT		
DEBIT.		
Cash, paid James F. Beard, salary as city	¢2 000 00	
treasurer	\$3,000 00	
taxes	1,200 00	
disbursements	16 74	
Beulah M. Peirce, first assistant to treas-		
urer	1,000 00	
Louise B. McLaughlin, third assistant to	200 00	
treasurer	600 00	
Florence M. Grow, fourth assistant to treasurer	500 00	
Marion C. Kendall, clerical services .	393 36	
Winnifred P. Briggs, clerical services .	364 03	
Susan L. Briggs, clerical services	242 69	
Inez May Felt, clerical services	$105 \ 35$	
Josephine M. Clark, clerical services .	144 02	
Rosalena Allen, clerical services	61 34	
Ada C. Walker, clerical services	18 68	
C. P. Sanborn, fees for collecting delin-	533 00	
quent taxes	000 00	
linquent taxes	357 00	
Theodore H. Locke, fees for collecting		
delinquent taxes	287 50	
F. W. Hopkins, fees for collecting delin-	100.00	
linquent taxes	109 00	
4	2 50	
American Surety Company of New York,	2 00	
treasurer's bond	160 00	
George Stephens & Co., tax bills	118 00	
Forbes Lithographing Co., bonds	120 00	
Thomas Groom & Co., books	543 91	
McGrath & Woodley, books	128 75 38 00	
Nathan Sawyer & Co., stationery Lyman B. Brooks, book	20 50	
A. W. Babbitt, book	5 50	
Dennison Mfg. Co., supplies	3 30	
W. A. Greenough & Co., directories .	6 00	
Sampson, Murdock, & Co., directories .	5 00	
Somerville Journal Co., printing and ad-	1.054.05	
vertising	1,874 85	
Amounts carried forward	\$11,959 02	\$14,678 38
infounts carried for ward	φ11,000 01	Ψ21,010 00

John Donnelly & Son, bill posting	25 00 30 20 77 66 60 80 00 00 59 55 22 92 32 15 15
Clerk of Committees and Departments.	
CREDIT.	
Appropriations, from Taxes 1901	. \$4,000 00
rental and tolls	. 54 92
	\$4,054 92
Frederic W. Cook, assistant to clerk Howard E. Wemyss, assistant to clerk Lucia A. Manning, assistant to clerk Nannee M. Sargent, clerical services Thomas Groom & Co., stationery Somerville Post-office, postage Sampson, Murdock, & Co., directory W. A. Greenough & Co., directory 3	00 00 00 00 00 00 60

Contagious Disease Hospital and Land Contiguous to City Home Property.

CREDIT.		
Appropriations, amount appropriated by borr Funded Debt account	owing on	\$20,000 00
DEBIT.		
Cash, paid Clarence A. Russell, estate on Broadway	\$15,512 11 3,500 00 186 27 150 00 10 25	
Balance to credit of account, 1902	\$19.358 63 641 37	\$20,000 00
Contingent Fund.		
CREDIT.		
Appropriations, from Taxes, 1901 Cash, received of Fulton O'Brion, fees for		\$4,500 00
weighing	37 04	
Max Salant, license to peddle	25 00	
Peter Lupos, license to peddle Aristides Varlas, license to peddle	$\begin{array}{ccc} 25 & 00 \\ 25 & 00 \end{array}$	
John S. Stralos, license to peddle	$\frac{1}{25} \frac{1}{00}$	
Zacharias M. Truporkiades, license to	05 00	
peddle Joseph Consta, license to peddle	$\begin{array}{ccc} 25 & 00 \\ 25 & 00 \end{array}$	*
Sidney Cohen, license to peddle	$\begin{array}{ccc} 25 & 00 \\ 25 & 00 \end{array}$	
Nathan Ragovin, license to peddle	25 00	
Sundry Persons, druggists' licenses	31 00	
		268 04
		\$4,768 04
DEBIT.		
Cash, paid E F. Hicks, refreshments	\$215 00	
Union Square Hotel, refreshments	12 00	
Charles F. Wildes, disbursements	7 75	
G. E. Elliott, turkeys	$105 84 \\ 100 08$	
Burbeck Brothers, turkeys	96 61	
G. W. Despeaux, turkeys	95 40	
F. W. and W. Higgins, turkeys	92 16	
L. W. Manning, turkeys	90 81	
bulating lines	5 00	
L. H. Brown, carriage hire Eugene Mead, carriage hire	$\begin{array}{ccc} 111 & 00 \\ 69 & 00 \end{array}$	
George E. Lowell, carriage hire	61 00	
J. H. Thompson, carriage hire	20 00	
Amounts carried forward	\$1,081 65	\$4,768 04

Amounts brought forward	\$1,081 65	\$4,768 04
William Kirkland, carriage hire	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	
City Messenger's account, newspapers.	3 00	
New England Decorating Co., draping	75 00	
City Hall	8 00	
Franct W Pailor expenses as delegate	8 00	•
Ernest W. Bailey, expenses as delegate	82 70	
to Buffalo	3 00	
Glines & Co. expressing		
Glines & Co., expressing	$\begin{array}{ccc} 1 & 50 \\ 1 & 35 \end{array}$	
E. R. Perham, expressing J. G. Anthoine, use of hall	20 00	
M. A. Mann, addressing invitations	4 50	
Somerville Post-office, postage	5 00	
Henry D. Padelford, postage	$\begin{array}{cc} 5 & 00 \\ 17 & 00 \end{array}$	
Henry D. Padelford, postage	38 00	
Benjamin F. Freeman, pastel portrait and	90 00	
frame	95 00	
frame	00 00	
druggists' licenses	7 75	
George R. Sands, granite markers .	401 60	
William Franklin Hall, auditing books	101 00	
of treasurer	405 24	
Company M, Eighth Regiment, M. V.	100 - 1	
M., appropriation for rifle practice.	250 00	
W. C. Kinsley Post 139, G. A. R., con-	_30 00	
tribution for observance of Memo-		
rial Day	400 00	
George Stephens, Jr., ringing chimes .	12.00	
J. H. Cummings, ringing bells	6 00	
H. T. Van Dusen, ringing bells	6 00 6 00 6 00 6 00 6 00 6 00 6 00	
H. T. Van Dusen, ringing bells George W. Littlefield, ringing bells	6 00	
G. H. Colbath, ringing bell	6 00	
E. A. Maynard, ringing bell	6 00	
Asbury Strahan, ringing bell	6 00	
Harris P. Tibbetts, erecting and remov-		
ing hand stand	17 00	
Charles Wood, band Cambridge City Band, music Herbert Tyler, music Jean White Band, music Monument National Band, music	125 00	
Cambridge City Band, music	75 00	
Herbert Tyler, music	75 00	
Jean White Band, music	$75 \ 00$	
Monument National Band, music	$75 \ 00$	
Dumai's Dand, music	75 00	
Knights of the Sacred Heart, drum		
corps	50 00	
John M. Naugle, music	5 00	
H. H. Tilton & Co., fireworks	350 00	
Whitney & Snow, house numbers	66 74	,
Somerville Journal Co., printing	37 50	
W. E. Plumer & Co., supplies	1 50	
Thomas Groom & Co., supplies	1 25	
E. E. Schuebeler, towels	1 50	
Schofield and White, fans	55	
L. E. Clayton, fans	48	
	00.001.01	
Evenes and Defeired to the	\$3,981 31	
Excess and Deficiency, balance to credit of	F06 F9	
account	786 73	\$4.569.04
		\$4,768 04

County of Middlesex.

annow and a second		
Appropriations, from Taxes 1901		\$55,129 32
DEBIT.	• •	φου,120 02
Cash, paid County Tax		<u>\$55,129 32</u>
Coupons Unpaid.		
CREDIT.		
Coupons of 1900 unpaid July 1, 1901 (transferred from Sundry Persons) Coupons maturing July 1 (transferred from Interest):—		\$407 5 0
City Loan, \$801,000 six months at 4 per cent	\$16,020 00	
cent	2,660 00	
Sewer Loan, \$139,000 six months at 4 per cent	2,780 00	21,460 00
(Transferred from Water Loan Interest):— Water Loan, \$10,000 six months at 5½ per cent	\$275 00	,200
Water Loan, \$82,000 six months at 4 per	·	
cent	1,640 00	1,915 00
Coupons maturing October 1 (transferred from Interest):—		
City Loan, \$19,000 six months at 4 per cent.	\$380 00	
City Loan, \$89,000 six months at 4½ per cent.	2,002 50	
Sewer Loan, \$11,000 six months at 4½ per cent.	247 50	
Paving Loan, \$60,000 six months at 4 per cent.	1,200 00	
	1,200 00	3,830 00
(Transferred from Water Loan Interest):— Water Loan, \$115,000 six months at 4 per cent		2,300 00
City Loan, \$736,000 six months at 4 per	\$14,720 00	
City Loan, \$256,000 six months at 3½ per		
cent	4,480 00	
per cent	2,640 00	
per cent	525 00	22,365 00
(Transferred from Water Loan Interest):— Water Loan \$100,000 six months at 5½ per	¢275 00	22,000 00
cent	\$275 00	440.000
Amounts carried forward	\$275 00	\$52,277 50

Amounts brought forward	\$275 00	\$52,277 50
Water Loan, \$74,000 six months at 4 per	·	Ţ, · · · · ·
cent	1,480 00	1 777 00
		1,755 00
•		\$54,032 50
DEBIT.		
Coupons paid	\$28,767 50	
Coupons of 1901 unpaid	25,265 00	\$54,032 50
		\$54,052 50
Election Expenses, City Clerk.		
CREDIT.		
		¢1 000 00
Appropriations, from Taxes 1901		\$1,000 00
DEBIT.		
Cash, paid Somerville Journal Co., printing		
and advertising	\$459 23	
Citizen Co., printing and advertising.	20 63 12 10	
Thomas Groom & Co., stationery Eugene Mead, carriage hire	60 00	
L. H. Brown, carriage hire	54 00	
Robert S. Robson, repairing boxes	28 00	
Underhill Hardware Co., hardware .	$\frac{1}{20}$	
John Donnelly & Sons, posting American Express Co., expressing	$\begin{array}{ccc} 30 & 00 \\ & 15 \end{array}$	
rimerican impress 50., expressing.		
	\$665 61	
Excess and Deficiency, balance to credit of	334 39	
account	004 00 	\$1,000 00
Election Expenses, Commissioner of Public	Buildings.	
CREDIT.		
Appropriations, from Taxes 1901		. \$1,000
DEBIT.		, ,
Cash, paid Philip Eberle, rent of hall	\$75 00	
Charles F. McCarthy, rent of hall.	40 00	
Odd Fellows Building Association, rent		
of hall	30 00	
Warren E. Locke, rent of hall A. Gilman, care of ward room	$\begin{array}{c} 14 & 00 \\ 5 & 00 \end{array}$	
A. B. Colesworthy, care of ward room .	$\overset{\circ}{2}\overset{\circ}{50}$	
B. F. Johnson, care of ward room .	2 00	
Harris P. Tibbetts, carpentering	516 53	
C. W. Stevens, carpentering Arthur W. Berry, carpentering	8 38 2 25	
Heywood Brothers & Wakefield Co.,	2 20	
chairs	8 88	
John F. O'Brien, lamps and oil Copithorne Brothers, oil	1 89	
Gilman Express Co., expressing	$\begin{array}{ccc} 1 & 10 \\ 1 & 50 \end{array}$	
contain Empress Co., expressing		
D IDCI	\$709 03	
Excess and Deficiency, balance to credit of	200 07	
account	290 97	\$1,000 00
	:	φ1,000 00

Election	Expenses,	Pay	of	Election	Officers.
----------	-----------	-----	----	----------	-----------

CREDIT.		
Appropriations, from Taxes 1901		\$1,700 00
Cash, received from Charles H. Frye, service returned		1 00
	_	\$1,701 00
DEBIT.		
Cash, paid Ward and Precinct Officers . Excess and Deficiency, balance to credit of	\$1,586 00	
account	115 00	\$1,701 00
Election Expenses, Registrars of Voters.		
CREDIT.		
Appropriations, from Taxes 1901		\$1.800 00
Cash, received of John Donnelly & Sons, bill paid	previously	32 00
	-	\$1,832 00
DEBIT.		
Cash, paid estate of Cromwell G. Rowell, salary as registrar George I. Vincent, salary as registrar Charles P. Lincoln, salary as registrar Charles E. Parks, salary as registrar Levi F. S. Davis, salary as registrar Charles G. Brett, clerical assistance Frederic W. Cook, clerical assistance Frank E. Merrill, clerical assistance Charles S. Robertson, clerical assistance William P. Mitchell, clerical assistance Somerville Journal Co., printing and advertising Citizen Co., printing and advertising Thomas Groom & Co., books McGrath & Woodley, books Benjamin F. Allen, repairing stamps John Donnelly & Son, bill-posting L. H. Brown, carriage hire	\$150 00 200 00 200 00 200 00 50 00 45 00 45 00 42 00 21 00 3 00 404 75 51 75 48 00 7 50 3 00 30 00 12 00 \$1,513 00	
Excess and Deficiency, balance to credit of account	319 00	
or account		\$1,832 00
Electrical Department.		
Appropriations, from Taxes 1901 Cash, received of Murphy Varnish Co., allowar		\$7,500 00 9 60
		\$7,509 60
Amount carried forward		\$7,509 60

Amount brought forward		\$7,5 09 6 0
DEBIT.		
Cash, paid Edward Backus, salary as super- intendent of electric lines and lights, Laborers	\$1,300 00 3,350 68	
W. E. Decrow, electrical supplies . Electric Gas Lighting Co., electrical	1,028 03	
supplies Thomas W. Gleeson, electrical supplies,	$ \begin{array}{r} 344 & 50 \\ 103 & 75 \end{array} $	
N. E. Electric Mfg. Co., electrical supplies	51 00	
Anchor Electric Co., electrical supplies . Chandler & Farquhar, electrical supplies .	$\begin{array}{cc} 75 & 00 \\ 39 & 07 \end{array}$	
M. F. Underwood, electrical supplies . Somerville Electric Light Co., electri-	16 45	
cal supplies	5 75	
plies	16 56	
plies	8 96	
Couch & Seeley Co., electrical supplies . Stewart & Pownall, electrical supplies .	28 00 20 00	
Fire Department, board of horses D. J. Bennett, harness work	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	
J. A. Kiley, wagon repairs	$ \begin{array}{ccccccccccccccccccccccccccccccccccc$	
J. P. Clisby, painting wagon John L. Crafts, cover for wagon Welch & Hall, horse	6 50	1
F. H. Cail, use of horse	$\begin{array}{c} 46 \ 75 \\ 4 \ 00 \end{array}$	•
George E. Lowell, use of carriage American Steel & Wire Co., wire	$\begin{array}{ccc} 27 & 00 \\ 315 & 00 \end{array}$	
J. A. & W. Bird & Co., vitriol Whitney & Snow, polish	$\begin{array}{cccc} 23 & 10 \\ 1 & 45 \end{array}$	
George F. Hughes, turpentine	60 7 36	
I. H. Wiley, lead and sponges	20	
Charles L. Underhill, repairing tools .	$\begin{array}{c}4&72\\2&95\end{array}$	
Murphy Varnish Co., varnish W. H. Bullard, soap	48 00 60	*
Charles E. Berry, labor	$\begin{array}{c} 14 & 25 \\ 5 & 54 \end{array}$	
John T. Sellon, fire box glasses	6 75	
F. W. Kimball, cross arms, etc Fellows & Co., pole	$\begin{array}{c} 13 & 05 \\ 1 & 00 \end{array}$	·
C. Caseau, sign boards	6 25 40	1
O. F. Sage, bag	$\begin{array}{ccc} 2 & 75 \\ 5 & 35 \end{array}$	
Charles E. Perry & Co., record paper.	42 75 13 58	
Thomas Groom & Co., books Somerville Journal Co., printing	18 00	
Somerville Post-office, postage	$\begin{array}{c}4&00\\16&45\end{array}$	
E. R. Perham, expressing	$\begin{array}{c} 1 & 45 \\ 4 & 10 \end{array}$	
Glines & Co., expressing	1 30	
Amounts carried forward	\$7,435 40	\$7,509 60

Amounts brought forward \$7,435 40 A. G. Renner, expressing	\$7,509 60
Excess and Deficiency, balance to credit of account	\$7,509 60
Electrical Department, Bell for Engine Two House.	
CREDIT.	
Appropriations, amount appropriated by borrowing on Funded Debt account	\$500 00
DEBIT.	
Cash, paid Henry K. Barnes, Blymyer bell . \$360 00 G. F. Matthews, stock and carpentering . 67 22 C. Bowen, unloading and hoisting bell . 46 00 Charles L. Underhill, bolts, etc 3 10	
0.150.00	•
\$476 32 Sidewalks Construction account, amount	
transferred	\$500 00
Excess and Deficiency.	
· ·	
CREDIT.	*********
Balance from 1900	\$10,042 98
DEBIT.	
Street Lights, amount transferred	\$10,042 98
CREDIT.	
City Auditor, balance of 1901 account	\$48 40
City Clerk, balance of 1901 account	744 17
City Engineer, balance of 1901 account	273 6 7 212 80
City Solicitor, balance of 1901 account	121 46
City Treasurer, balance of 1901 account	2,410 88
Contingent Fund, balance of 1901 account	786 73
Election Expenses:— City Clerk, balance of 1901 account	334 39
Commissioner of Public Buildings, balance of 1901	
account	290 97
Pay of Election Officers, balance of 1901 account Registrars of Voters, balance of 1901 account	$ \begin{array}{ccc} 115 & 00 \\ 319 & 00 \end{array} $
Electrical Department, balance of 1901 account	73 95
Executive Department, balance of 1901 account	43 83
Fire Department, balance of 1901 account.	212 57
Highways, Watering Streets, balance of 1901 account . Inspection of Buildings, balance of 1901 account	202 35 7 97
Interest, balance of 1901 account	6,486 39
Police, balance of 1901 account	1,883 61
Printing and Stationery, balance of 1901 account	579 07
Public Buildings Maintenance:— City Hall, balance of 1901 account	128 59
City Hall Annex, balance of 1901 account	611 10
Amount carried forward	\$15,886 90

Amount brought forward Fire Department, balance of 1901 account Health, balance of 1901 account Highways, balance of 1901 account Public Grounds, balance of 1901 account Public Library, balance of 1901 account Sewer Department, balance of 1901 account Support of Poor, balance of 1901 account Water Department, balance of 1901 account Sealer of Weights and Measures, balance of 1901 account Sewers Maintenance, balance of 1901 account Street Lights, balance of 1901 account Support of Poor, City Home, balance of 1901 account Support of Poor, Miscellaneous, balance of 1901 account Public Grounds, balance of 1901 account	\$15,886 90 693 96 112 06 64 79 78 50 80 63 86 87 405 70 29 20 433 18 183 12 753 22 350 77 259 28 4 18
	\$19,422 36
DEBIT.	
Assessors, balance of 1901 account	
Balance to credit of account 1902 \$12,447 61 6,974 75	\$19,422 36
Executive Department.	
CREDIT.	
Appropriations, from Taxes 1901	\$3,700 00
DEBIT.	1 / 2 2 2
Cash, paid Edward Glines, salary as mayor . Fred E. Warren, secretary to the mayor, Somerville Journal Co., printing	
Excess and Deficiency, balance to credit of	
account	\$3,700 00

Fire Department

CREDIT.

CKEDII.		
Appropriations, from Taxes of 1901		\$60,900 00
Cash, received of Electrical Department,		φου,ευυ υυ
board of horses	\$312 00	
Public Grounds account, hose	90 00	
Public Grounds account, hose Steamer Co. No. 4, error in pay-roll .	10 00	
Clarence Alley, horse	35 00	
Frank E. Fitts Mfg. & Supply Co., bill	99 00	
previously paid	2 16	
previously paid	2 10	449 16
		440 10
		\$61,349 16
		\$01,549 10
DEBIT.		
Cash, paid James R. Hopkins, salary as		
chief engineer	\$1,800 00	
chief engineer	53 00	
Nathaniel C. Barker, assistant engineer.	$1,203 \ 29$	
Parmanent framen and substitutes	33,250 00	•
Permanent firemen and substitutes		
Steamer Co. No. 1	1,398 00	
Steamer Co. No. 2	1,455 00	
Steamer Co. No. 4	1,580 43	
Hose Co. No. 2, callmen	1,557 73	
Hose Co. No. 3, callmen	1,215 14	
Hose Co. No. 5, callmen	1,538 95	
Hose Co. No. 6, callmen	1,044 00	
Hose Co. No 7, callmen	696 00	
Hook and Ladder Co. No. 1, callmen .	1,745 03	
Hook and Ladder Co. No. 2, callmen.	1,865 75	
Proctor Brothers, hay	1,964 31	
Fulton O'Brion, hay and grain	822 39	
G. W. Ladd, grain	591 09	
Nathan Tufts & Sons, hay and grain .	399 00	
F. C. Dinsmore, straw	8 39	
J. A. Marsh, oats	2 16	
Welch & Hall Co., horses	329 10	
Myer, Abrams & Co., horse	$150 \ 00$	
John B. Rufer. horseshoeing W. H. Richardson, horseshoeing	291 64	
W. H. Richardson, horseshoeing	144 95	
I. B. Walker, horseshoeing	140 65	
M. E. Crouse, horseshoeing	139 44	
Edward O'Brien, horseshoeing	76 30	
I. W. Hamilton, horseshoeing	73 90	
J. H. Thompson, horseshoeing	48 64	
William Buckley, horseshoeing	43 09	
Harry Tobin, horseshoeing	1 00	
Harry Tobin, horseshoeing Ira L. Roberts, horseshoeing	50	
Elias Lathrop, hoof ointment	8 00	
Sudbury Oil & Supply Co., hoof dress-		
ing	12 50	
John G. Lesure, veterinary services	30 00	
Charles R. Simpson, veterinary services.	28 50	
Lyle Sterling, veterinary services	6 00	
Charles T. Garland, use of horse	4 00	
Elms Farm Boarding Stable, board of		
	26 72	
Henry K. Barnes, harness supplies	$455 \ 32$	
, , , , , , , , , , , , , , , , , , , ,		
Amounts carried forward	\$56,199 91	\$61,349 16
	,	

A 1 1 1 Command	Φ°C 100 01	фел 940 1 с
Amounts brought forward	\$56,199 91 82 65	\$61,349 16
D. McDonald, harness work	82 65 16 95	
H. O. Austin, harness work	16 95 8 85	
H. O. Austin, harness work Spalding Harness Co., harness work .	9 45	
Hill & Hill, harness work	4 50	
H. O. Austin, harness work Spalding Harness Co., harness work Hill & Hill, harness work E. Spalding, harness work George McDormand, harness work Henry S. Harris & Son, whips F. D. and J. W. Bartlett, bit holders	1 85	
Henry S. Harris & Son, whips	90	
F. D. and J. W. Bartlett, bit holders .	20 00	
Hale & Mayhew Co., repairing wagons.	42 15	
William T. Henderson, repairing wagons,	484 30	
J. A. Kiley, repairing wagons	246 40	
Kelley Springfield Tire Co., repairing	4 75	
tire	4 75	
atus	428 05	
charles E. Berry, repairing apparatus .	$\frac{17}{415} \frac{1}{57}$	
Welch, Dwyer, & Grady, repairing		
	$369 \ 25$	
American Fire Engine Co., repairing	100 41	
apparatus	$\begin{array}{ccc} 129 & 41 \\ 25 & 00 \end{array}$	
L. A. Wright, repairing apparatus Joseph Palmer, repairing apparatus	8 75	
Enoch Robinson, repairing	50	
Enoch Robinson, repairing	104 00	
Fellows & Co., ladders	27 00	
Joseph Breck & Sons Corporation, jack.	3 00	
Boston Coupling Co., pipe hook	5 00	
Charles T. Halloway & Co., extinguishers	54 00	
C. H. Whall, engine hoisting jacks	44 00	
E. Teel & Co., hooks	56 49	
Manchester Locomotive Works, snap		
hooks	33 00	
S. F. Hayward & Co., smoke pro-	53 74	
tectors	21 30	
Edward Kendall & Sons, rolling tubes,	5 92	
Cornelius Callahan Co., hose	192 90	
Cornelius Callahan, hose	31 25	
Fabric Fire Hose Co., hose	70 00	
Boston Woven Hose & Rubber Co.,	11 75	
Combination Ladder & R. I. Coupling	11 10	
Co., nozzle	30 00	
William J. Kennedy, hose bibb	1 50	
Braman, Dow, & Co., steam and gas	00	
pipe	80 9 00	
C. H. Crane, supplies	1 40	
Eastern Drug Co., drugs	$8\overset{\circ}{4}\overset{\circ}{5}\overset{\circ}{2}$	
Mathieson Alkali Works, soda	$23 \ 52$	
P. Sutherland & Co., oil	21 00	
W. H. Bullard, soap, etc	21 77	
Burgess Brothers, soap	8 00 1 30	
Eastern Salt Co., salt	6 00	
Amounts carried forward	\$59,430 35	\$61,349 16

Amounts brought forward \$59,430 35 \$61,349 16 R. Dreyer, oil, etc.			
H. G. Winsor, plaster hook	Amounts brought forward	\$59,430	35 \$61,349 16
H. G. Winsor, plaster hook	R. Dreyer, oil, etc.	84	07
H. G. Winsor, plaster hook	Henry C. Stochr & Co., soap	6	00
H. G. Winsor, plaster hook	F. D. Weld & Co., shavings	3	00
H. G. Winsor, plaster hook	F. D. Weld, shavings	12	00
H. G. Winsor, plaster hook	Glaister Mig. Co., polish	19	20
H. G. Winsor, plaster hook	F. I. Lord Polish Co., brass polish .	50	00
H. G. Winsor, plaster hook	W. G. Hallock, brushes and dusters .	15	50
H. G. Winsor, plaster hook	William A. Haskell, mops, etc	18	2 0
H. G. Winsor, plaster hook	Leander Barber, brooms	9 10	00
H. G. Winsor, plaster hook	W. P. Butterneld, Son, & Co., chamois.	18	00 26
H. G. Winsor, plaster hook	Mrs. M. E. Calvert, washing	105	50
H. G. Winsor, plaster hook	Mrs. 1. C. Jackson, washing	99	0 1
H. G. Winsor, plaster hook	Mrs. w. Loveland, washing	ეე ეგ	20 40
H. G. Winsor, plaster hook	Mrs. F. F. Trofren weeking	50 y	40
H. G. Winsor, plaster hook	Mis. E. F. Hellell, Washing	ວຍ ຄະ	00
H. G. Winsor, plaster hook	Mrs. Comust H. Stevens, washing	40 09	90 60
H. G. Winsor, plaster hook	In In Haines & Co. disinfectant	20 15	02
H. G. Winsor, plaster hook	Thion Course Functions Co. hadding	10 1	00 60
H. G. Winsor, plaster hook	Poston Possilio Co. insignia	21 16	00
H. G. Winsor, plaster hook	Oak Hall Clathing Co. insignia.	10	00
H. G. Winsor, plaster hook	F P Classon Mfg Co. hats	24	00 05
H. G. Winsor, plaster hook	Mitchell Mfg. Co., mats	0 1	40 75
H. G. Winsor, plaster hook	Charles A Mongan repairing floor	2 J. B	() 15
H. G. Winsor, plaster hook	Wilbur D Dies lumber	0	10
H. G. Winsor, plaster hook	T D Clichy pointing sign	10	00 40
H. G. Winsor, plaster hook	George F. Hughes pointing	16	51
H. G. Winsor, plaster hook	Honey D. Padolford modicino	10	3V 9T
H. G. Winsor, plaster hook	P. G. Parlains modicine.	3 ·	50 00
H. G. Winsor, plaster hook	George E Grover medicine	4	50 50
H. G. Winsor, plaster hook	A Ward Follett professional services	1	00
H. G. Winsor, plaster hook	A. Ward Poliett, professional services.	1	00
H. G. Winsor, plaster hook	Charles K Cutter professional services	2	00
H. G. Winsor, plaster hook	George A Phillips lunch	45	85
H. G. Winsor, plaster hook	Toseph A Cribby meals	1	50
H. G. Winsor, plaster hook	Underhill Hardware Co. hardware	52	30
H. G. Winsor, plaster hook	Whitney & Snow hardware	27	72
H. G. Winsor, plaster hook	I A Durell hardware	13	79
H. G. Winsor, plaster hook	W E Plumer & Co hardware	14	59
H. G. Winsor, plaster hook	E. S. Sparrow & Co., hardware	4	50
H. G. Winsor, plaster hook	F. F. Fitts Mfg. & Supply Co., baskets	17	65
H. G. Winsor, plaster hook	Crosby Steam Gage & Valve Co., charts.	1	50
H. G. Winsor, plaster hook	Hall Mfg. Co., tools	21 -	42
Charles L. Underhill, repairs		6	00
M. F. Underwood, repairing lamps			
A. Keen, boxes	M. F. Underwood, repairing lamps.		
Benjamin F. Freeman, negatives and prints	A. Keen, boxes		
Benjamin F. Freeman, negatives and prints	Somerville Journal Co., printing	3	00
prints			
F. W. Barry, Beale, & Co., books and stationery		5	50
stationery	F. W. Barry, Beale, & Co., books and		
Adams, Cushing, & Foster, books and stationery		15	58
stationery	Adams, Cushing, & Foster, books and		
Smith Premier Typewriter Co., type- writer and supplies	stationery	4	15
writer and supplies	Smith Premier Typewriter Co., type-		
J. R. Fenelon & Co., insurance			
Wellington-Wild Coal Co., fuel 128 75	J. R. Fenelon & Co., insurance		
		128 '	75
Amounts carried forward \$60,815 46 \$61,349 16		A 20.015	0.000.000.000
	Amounts carried forward	\$60,815	\$61,349 16

Amounts brought forward.				\$60,815	46	\$61,349 16
Fresh Pond Ice Co., ice .	•			29		T
Cambridge Ice Co., ice .			•	33		
Boston Ice Co., ice	•	•	•	6		
Winter Hill Ice Co., ice .	•	•	•	6		
Charlestown Gas & Electric C	. ~	•	•	3		
	o., g	as	•			
E. W. Ring, dishursements	· 1	•			60	
New England Telephone &	Tele	egra	pn	4 6 4	00	
Co., rentals and tolls .	•	•	•	151		
L. H. Brown, carriage hire			•	10		
Eugene Mead, carriage hire				10	00	
E. T. Conant, carriage hire				3	00	
M. G. Staples, moving .				8		
A. M. Prescott, expressing	Ť			20		
J. H. Grundy, expressing.	•	•	•	10		
George T. Day, expressing	•	•	•	9		
Cline & Comments of	•	•	•	6		
Glines & Co., expressing . Gilman Express Co., expressing	•	•	•			
Gilman Express Co., expressi	ng	•	•	5	55	
A. G. Renner, expressing.	•	•	•		75	
E. R. Perham, expressing.			•	2	70	
American Express, expressing				1	15	
. , .						
				\$61,136	59	
Excess and Deficiency, balance to	o cre	dit	of	Ψ02,200		
	o cre	uit	O1	212	57	
account	•	•	•	212	01	\$61,349 16
						
Fire Department, Fire Appara	tus	for	Lad	lder Two	St	ation.
	CREDI					
	CREDI	IT.				\$2 72
Balance from 1900	CREDI	іт .	•		.•	\$2 72
Balance from 1900	CREDI	т. т.			.•	\$2 72
Balance from 1900	CREDI	т. т.			.•	\$2 72 \$2 7 2
Balance from 1900	CREDI	т. т.			•	·
Balance from 1900 Sidewalks Construction account,	CREDI • DEBI amot	r. T.	trans			·
Balance from 1900	CREDI • DEBI amot	r. T.	trans		•	·
Balance from 1900	CREDI • DEBI amot	r. T. unt	trans		•	·
Balance from 1900	CREDI DEBI amou	r. T. unt	trans		•	\$2 72
Balance from 1900	CREDI DEBI amou	r. T. unt	trans		•	·
Balance from 1900	CREDI DEBI amou	r. T. unt . 1.	trans			\$2 72
Balance from 1900 Sidewalks Construction account, Fire Department, Fire Station Balance from 1900	DEBI' NO CREDI L DEBI'	T. unt . 1. ur 1.	trans	• • • • • • • • • • • • • • • • • • •	•	\$2 72 \$297 25
Balance from 1900	DEBI' NO CREDI L DEBI'	T. unt . 1. ur 1.	trans	• • • • • • • • • • • • • • • • • • •		\$2 72
Balance from 1900 Sidewalks Construction account, Fire Department, Fire Station Balance from 1900 Sidewalks Construction account,	DEBI' NO CREDI L DEBI'	T. unt . 1. ur 1.	trans	• • • • • • • • • • • • • • • • • • •		\$2 72 \$297 25
Balance from 1900 Sidewalks Construction account, Fire Department, Fire Station Balance from 1900	DEBI' NO CREDI L DEBI'	T. unt . 1. ur 1.	trans	• • • • • • • • • • • • • • • • • • •		\$2 72 \$297 25
Balance from 1900 Sidewalks Construction account, Fire Department, Fire Station Balance from 1900 Sidewalks Construction account, Funded Debt.	CREDICATE OF THE CREDIC	TT. unt . 1. TT.	trans	• • • • • • • • • • • • • • • • • • •	•	\$2 72 \$297 25
Balance from 1900 Sidewalks Construction account, Fire Department, Fire Station Balance from 1900 Sidewalks Construction account, Funded Debt.	DEBI' NO CREDI L DEBI'	TT. unt . 1. TT.	trans	• • • • • • • • • • • • • • • • • • •		\$2 72 \$297 25 \$297 25
Balance from 1900	DEBI' amou No CREDI DEBI' amou	TT. . 1. IT. . 1. . TT.	trans	eferred.		\$2 72 \$297 25
Balance from 1900	DEBI' amou No CREDI DEBI' amou	TT. . 1. IT. . 1. . TT.	trans	eferred.	·	\$2 72 \$297 25 \$297 25
Balance from 1900 Sidewalks Construction account, Fire Department, Fire Station Balance from 1900 Sidewalks Construction account, Funded Debt.	DEBI' amou No CREDI DEBI' amou	TT. . 1. IT. . 1. . TT.	trans	eferred.		\$2 72 \$297 25 \$297 25 \$1,478,000 00
Balance from 1900 Sidewalks Construction account, Fire Department, Fire Station Balance from 1900 Sidewalks Construction account, Funded Debt. Balance from 1900 Cash, received from sale of City 2893	DEBI' amou CREDI amou	TT. IT. IT. IT. IT. IT. IT. IT.	trans	eferred.	· · · · · · · · · · · · · · · · · · ·	\$2 72 \$297 25 \$297 25 \$1,478,000 00 116,000 00
Balance from 1900	DEBI' amou CREDI amou	TT. IT. IT. IT. IT. IT. IT. IT.	trans	eferred.		\$2 72 \$297 25 \$297 25 \$1,478,000 00
Balance from 1900 Sidewalks Construction account, Fire Department, Fire Station Balance from 1900 Sidewalks Construction account, Funded Debt. Balance from 1900 Cash, received from sale of City 2893	DEBI' amou CREDI amou	TT. IT. IT. IT. IT. IT. IT. IT.	trans	eferred.		\$2 72 \$297 25 \$297 25 \$1,478,000 00 116,000 00 30,000 00
Balance from 1900 Sidewalks Construction account, Fire Department, Fire Station Balance from 1900 Sidewalks Construction account, Funded Debt. Balance from 1900 Cash, received from sale of City 2893	DEBI' amou CREDI amou	TT. IT. IT. IT. IT. IT. IT. IT.	trans	eferred.		\$2 72 \$297 25 \$297 25 \$1,478,000 00 116,000 00
Balance from 1900 Sidewalks Construction account, Fire Department, Fire Station Balance from 1900 Sidewalks Construction account, Funded Debt. Balance from 1900 Cash, received from sale of City 2893 Sewer Loan Bonds Nos. 224 t	DEBI' amou CREDI amou	TT. IT. IT. IT. IT. IT. IT. IT.	trans	eferred.		\$2 72 \$297 25 \$297 25 \$1,478,000 00 116,000 00 30,000 00
Balance from 1900 Sidewalks Construction account, Fire Department, Fire Station Balance from 1900 Sidewalks Construction account, Funded Debt. Balance from 1900 Cash, received from sale of City 2893 Sewer Loan Bonds Nos. 224 t	DEBI AMOUNT CREDIT AMOUNT AMOU	TT. IT. IT. IT. IT. IT. IT. IT.	trans	eferred.		\$2 72 \$297 25 \$297 25 \$1,478,000 00 116,000 00 30,000 00
Balance from 1900 Sidewalks Construction account, Fire Department, Fire Station Balance from 1900 Sidewalks Construction account, Funded Debt. Balance from 1900 Cash, received from sale of City 2893 Sewer Loan Bonds Nos. 224 t	DEBI DEBI	TT. IT. IT. IT. IT. IT. IT. IT.	trans	sferred.	•	\$2 72 \$297 25 \$297 25 \$1,478,000 00 116,000 00 30,000 00
Balance from 1900	DEBI CREDI	TT. IT. IT. IT. IT. IT. IT. IT.	trans		: 00	\$2 72 \$297 25 \$297 25 \$1,478,000 00 116,000 00 30,000 00
Balance from 1900	DEBI CREDI	TT. IT. IT. IT. IT. IT. IT. IT.	trans	sferred . sferred . Nos. 2778 : : :	00 00	\$2 72 \$297 25 \$297 25 \$1,478,000 00 116,000 00 30,000 00
Balance from 1900	DEBI CREDI	TT. IT. IT. IT. IT. IT. IT. IT.	trans		00 00	\$2 72 \$297 25 \$297 25 \$1,478,000 00 116,000 00 30,000 00
Balance from 1900 Sidewalks Construction account, Fire Department, Fire Station Balance from 1900 Sidewalks Construction account, Funded Debt. Balance from 1900 Cash, received from sale of City 2893 Sewer Loan Bonds Nos. 224 t Cash, paid Sundry Persons:— City Loan Bonds Nos. 1638 to City Loan Bonds Nos. 1828 to City Loan Bonds Nos. 2098 to	DEBI CREDI	TT. IT. IT. IT. IT. IT. IT. IT.	trans	sferred . sferred . Nos. 2778 \$9,000 18,000 9,000	00 00 00	\$2 72 \$297 25 \$297 25 \$1,478,000 00 \$1,624,000 00 \$1,624,000 00
Balance from 1900	DEBI CREDI	TT. IT. IT. IT. IT. IT. IT. IT.	trans	sferred . sferred . Nos. 2778 \$9,000 18,000 9,000	00 00 00	\$2 72 \$297 25 \$297 25 \$1,478,000 00 116,000 00 30,000 00

City Loan Bonds Nos. 2256 to 2266	
Balance to credit in account of 1902	\$1,624,000 00
Health Department.	
CREDIT.	
Appropriations from Taxes 1901	\$34,800 00 1,746 89
	\$26 £16 90
Excess and Deficiency, balance to debit of account	\$36,546 89 2,614 78
	\$39,161 67
DEBIT.	
Cash, paid Caleb A. Page, salary as inspector	
Amounts carried forward \$3,718 72	\$39,161 67

		•
Amounts brought forward	\$3,718 72	\$39,161 67
Laborers Arthur R. Perry, professional services H. J. Perry, professional services T. B. Shea, professional services Henderson Brothers, ambulance	25,071 19	
Arthur R. Perry, professional services.	104 89	
H. J. Perry, professional services	480 12	
T. B. Shea, professional services	20 00 100 00	
W. E. Waller, had for ambulance	100 00	
W. F. Waller, bed for ambulance	128 70	
Malyin & Radger drugs	71 75	
Peter Gray, incubator	$ \begin{array}{cccc} 10 & 00 \\ 128 & 70 \\ 71 & 75 \\ 11 & 12 \end{array} $	
Eastern Drug Co., drugs	5 80	
Furbush & Furbush, drugs	2 13	
Eastern Drug Co., drugs	1 25	
Marshall-street Pharmacy, drugs	70	
Eimer & Amend, chemicals	4 30	
Billings & Stover, chemicals	60	
C. W. Lerned & Co., disinfectant	13 20	
Theodore Metcalf Co., vaccine points .	450 00	
C. H. Goldthwaite, vaccine points	65 90	
New England Vaccine Co., vaccine points	39 36	
Henry D. Padelford, vaccine points	2 00	
C. H. Goldthwaite, vaccine points New England Vaccine Co., vaccine points Henry D. Padelford, vaccine points	10 00	
W. C. Wright, serum tubes J. Ellwood Lee Co., test tubes Boston Dental Depot, burner	41 20 14 90	
Poston Donal Donat burner	14 50 2 50	
Mars Dorud of Cattle Commissionans		
branding outfit	1.75	
D Webster Alle Rahcock bath etc	55 00	
A A Elston & Co bath tub	6 00	
Electrical Appliance Co., aquaphone	2 58	
Bay State Aluminum Co., evaporating	_ 30	
branding outfit D. Webster Alle, Babcock bath, etc. A. A. Elston & Co., bath tub Electrical Appliance Co., aquaphone Bay State Aluminum Co., evaporating dishes E. T. Benson, repairing regenerator Mary I. Lewis pursing	3 30	
E. T. Benson, repairing regenerator .	16 00	
Bessie M. Miller, nursing, etc	251 50	
E. O. Raymond, clothing destroyed	117 25	
C. J. Bailey & Co., rubber coat	7 23	
H. A. Skidmore, flannel	1 85	
J. H. Brooks, sheets	10 96	
Union Square Furniture Co., turniture.	25 30	
W. B. Badger & Co., furniture	36 00	
John I loner et con, pans		
Belding Brothers, repairing fence	$\begin{array}{ccc} 24 & 40 \\ 6 & 00 \end{array}$	
Arthur C. Gordon, signs	2 75	
A. B. Hobbs, painting sign	3 00	
Ziegler Electric Co., electrical supplies.	3 85	
Electric Gas Lighting Co., electrical sup-	0 00	
plies	3 19	
L. E. Knott Apparatus Co., electrical		
supplies	10, 05	
C. W. Stevens, oak boxes	6 00	
Proctor Brothers, hay and grain	3,550 66	
Nathan Tufts & Sons, hay and grain .	198 51	
Gilmore, Smith, & Co., hay and straw .	133 27	
Charles L. Underhill, blacksmithing .	96 15	
Hale & Mayhew Co., blacksmithing.	774 40	
D. J. Bennett, harness work	584 00	*
I. B. Walker, horseshoeing	214 31	
Amounts carried forward	\$36,963 19	\$39,161 67
-Amounts carried forward	φυυ,συο 1 <i>σ</i>	φυσ,101 01

Amounts brought forward	\$36,963 19	\$39,161 67
Edward O'Brien, horseshoeing	139 13	, ,
Ira L. Roberts, horseshoeing	61 50	
George McDormand, horseshoeing.	1 26	
M. E. Crouse, horseshoeing	$226 \ 53$	
I W Hamilton homesharing.		
I. W. Hamilton, horseshoeing	1 00	
J. A. Durell, hardware	124 76	
W. E. Plumer & Co., hardware	10 95	
Howe & Flint, hardware	16 68	
Whitney & Snow, hardware	3 05	
Welch & Hall Co., horses	950 00	
Caldwell Boarding and Baiting Stable,	000 00	
1 - 1 - 1 - 1	20 00	
Charles R. Simpson, veterinary services.	73 50	
W. S. Barnes, boxes	18 75	
Whitall, Tatum, & Co., corks	$29 \cdot 03$	
E. S. Sparrow & Co., supplies	3 25	
Solshine Mfg. Co., polish	8 00	,
Lynn Oil Co., oil	3 00	
Frank A. Teele, coal and wood	18 85	
Russell & Co, groceries	80 79	
Somerville Journal Co. printing	138 05	
Citizen Co., printing	12 75	
Thomas Groom & Co., stationery	14 25	
Harvard Co-operative Society, lens		
paper	13 60	
Robert S. Robson, stamp	1 00	
	1 00	
Somerville Post-office, postage and rent	104.00	
of box	104 00	
New England Telephone & Telegraph	FE 50	
Co., rentals and tolls	57 73	
Clerk of Committees account, telephone		
rentals and tolls	54 92	
Tentais and tons	0 T 0 =	
American Express Co., expressing	10 45	
American Express Co., expressing Thorpe's Express, expressing	10 45 1 15	
American Express Co., expressing Thorpe's Express, expressing E. R. Perham, expressing	$ \begin{array}{ccc} 10 & 45 \\ 1 & 15 \\ 30 \end{array} $	
American Express Co., expressing Thorpe's Express, expressing	10 45 1 15	¢20.161.67
American Express Co., expressing Thorpe's Express, expressing E. R. Perham, expressing	$ \begin{array}{ccc} 10 & 45 \\ 1 & 15 \\ 30 \end{array} $	\$39,161 67
American Express Co., expressing Thorpe's Express, expressing E. R. Perham, expressing	$ \begin{array}{ccc} 10 & 45 \\ 1 & 15 \\ 30 \end{array} $	\$39,161 67
American Express Co., expressing Thorpe's Express, expressing E. R. Perham, expressing Gilman Express Co., expressing	$ \begin{array}{ccc} 10 & 45 \\ 1 & 15 \\ 30 \end{array} $	\$39,161 67
American Express Co., expressing Thorpe's Express, expressing E. R. Perham, expressing Gilman Express Co., expressing	$ \begin{array}{ccc} 10 & 45 \\ 1 & 15 \\ 30 \end{array} $	\$39,161 67
American Express Co., expressing Thorpe's Express, expressing E. R. Perham, expressing Gilman Express Co., expressing	$ \begin{array}{ccc} 10 & 45 \\ 1 & 15 \\ 30 \end{array} $	
American Express Co., expressing Thorpe's Express, expressing E. R. Perham, expressing	$ \begin{array}{ccc} 10 & 45 \\ 1 & 15 \\ 30 \end{array} $	\$869 54
American Express Co., expressing Thorpe's Express, expressing E. R. Perham, expressing Gilman Express Co., expressing	$ \begin{array}{ccc} 10 & 45 \\ 1 & 15 \\ 30 \end{array} $	
American Express Co., expressing Thorpe's Express, expressing E. R. Perham, expressing	$ \begin{array}{ccc} 10 & 45 \\ 1 & 15 \\ 30 \end{array} $	\$869 54 62 45
American Express Co., expressing Thorpe's Express, expressing E. R. Perham, expressing	$ \begin{array}{ccc} 10 & 45 \\ 1 & 15 \\ 30 \end{array} $	\$869 54
American Express Co., expressing Thorpe's Express, expressing E. R. Perham, expressing Gilman Express Co., expressing	$ \begin{array}{ccc} 10 & 45 \\ 1 & 15 \\ 30 \end{array} $	\$869 54 62 45
American Express Co., expressing Thorpe's Express, expressing E. R. Perham, expressing Gilman Express Co., expressing	$ \begin{array}{ccc} 10 & 45 \\ 1 & 15 \\ 30 \end{array} $	\$869 54 62 45 \$931 99
American Express Co., expressing Thorpe's Express, expressing E. R. Perham, expressing Gilman Express Co., expressing	$ \begin{array}{ccc} 10 & 45 \\ 1 & 15 \\ 30 \end{array} $	\$869 54 62 45
American Express Co., expressing Thorpe's Express, expressing E. R. Perham, expressing Gilman Express Co., expressing	$ \begin{array}{ccc} 10 & 45 \\ 1 & 15 \\ 30 \end{array} $	\$869 54 62 45 \$931 99
American Express Co., expressing Thorpe's Express, expressing E. R. Perham, expressing	$ \begin{array}{ccc} 10 & 45 \\ 1 & 15 \\ 30 \end{array} $	\$869 54 62 45 \$931 99
American Express Co., expressing Thorpe's Express, expressing E. R. Perham, expressing Gilman Express Co., expressing	$ \begin{array}{ccc} 10 & 45 \\ 1 & 15 \\ 30 \end{array} $	\$869 54 62 45 \$931 99
American Express Co., expressing Thorpe's Express, expressing E. R. Perham, expressing	10 45 1 15 30 25 	\$869 54 62 45 \$931 99
American Express Co., expressing Thorpe's Express, expressing E. R. Perham, expressing	10 45 1 15 30 25 	\$869 54 62 45 \$931 99 \$931 99
American Express Co., expressing Thorpe's Express, expressing E. R. Perham, expressing	10 45 1 15 30 25 	\$869 54 62 45 \$931 99 \$931 99 \$2,500 00
American Express Co., expressing Thorpe's Express, expressing E. R. Perham, expressing	10 45 1 15 30 25 	\$869 54 62 45 \$931 99 \$931 99
American Express Co., expressing Thorpe's Express, expressing E. R. Perham, expressing	10 45 1 15 30 25 	\$869 54 62 45 \$931 99 \$931 99 \$2,500 00
American Express Co., expressing Thorpe's Express, expressing E. R. Perham, expressing	10 45 1 15 30 25 	\$869 54 62 45 \$931 99 \$931 99 \$2,500 00 706 86
American Express Co., expressing Thorpe's Express, expressing E. R. Perham, expressing	10 45 1 15 30 25 	\$869 54 62 45 \$931 99 \$931 99 \$2,500 00
American Express Co., expressing Thorpe's Express, expressing E. R. Perham, expressing	10 45 1 15 30 25 	\$869 54 62 45 \$931 99 \$931 99 \$2,500 00 706 86

'Amount brought forward		\$3,206 86
DEBIT.		
Balance from 1900	\$2,292 32	
Cash, paid Holbrook, Cabot, & Daley, on	ee0 04	
account of contract . · Eastman, Lowell, & Co., iron fence .	$669 ext{ } 04$ $245 ext{ } 50$	
Eastman, Bowen, & Co., non rence	240 00	\$3,206 86
		——————————————————————————————————————
Highways, Construction.		
CREDIT.		
D 1 (1000		\$1,123 73
Cash, received of State of Mass., street railway	tax (part	φ1,120 10
appropriated)	• •	10,876 27
		\$12,000 00
DEBIT.		
Cash, paid laborers	\$5,157 01	
Highways Maintenance account, use of	, ,	
teams and materials	4,133 45	
Sewers Construction account, recording	0 +0	
acceptance plans	$\begin{array}{r} 3 \ 50 \\ 566 \ 14 \end{array}$	
J. H. Cressey, stone	361 39	
J. H. Fannon, teaming	108 86	
George W. Prichard, teaming	79 54	
Brassil & Barry, teaming	53 53	
D. M. Smith, teaming	43 20	
Heirs of Jeduthen Richardson, damages, Somerville Journal Co., printing	375 00 107 50	
Somerville Journal Co., printing	47 50	
onizen co., princing	1, 00	
	\$11,036 64	
Balance to credit of account, 1902	963 36	
-		\$12,000 00
Highways, Maintenance.		
CREDIT.		
Balance from 1900	•	\$40,402 45
Cash, received of Commonwealth of Massa-		
chusetts, street railway tax (part appropriated)	\$25,880 69	•
propriated)	18 78	
Edwin J. Gilmore, driveway Fred W. Farrar, driveway	10 00	
M. E. Barnes, driveway	8 00	
Jennie E. Davis, driveway.	7 25	
Perkins Street Baptist church, driveway.	$\begin{array}{cccc} & 6 & 75 \\ & 41 & 65 \end{array}$	
E. W. Clark & Co., crushed stone Orren Sanborn, crushed stone	$\begin{array}{c} 41 & 66 \\ 5 & 62 \end{array}$	
William J. McCarthy, stone	1,000 03	
Simpson Brothers Corporation, broken	·	
stone and cinders	56 10	
Thomas A. Cunningham, bricks	3 38	
Amounts carried forward	\$27,038 18	\$40,402 45
Amounts carried tonward	pa1,000 10	φτυ,τυΔ το

Amounts brought forward	\$27,038 13	\$40,402 45
J. W. Russell, manure	92 5) ' '
Joseph White, lowering edgestones	5 0)
Trustees Tufts College, lowering edge-	4 0	
stones	$\frac{4}{5} \frac{0}{0}$	
Arexine A. Upton, labor	7 0	
Michael Canty, labor	4 0	
City of Medford, use of road roller. Holbrook Cabot & Dolov gravel and	12 0)
Holbrook, Cabot, & Daley, gravel and	480 5	1
Eliot Norton, proportional cost removing	400 0	J
and rebuilding wall	200 0	1
Charles M. Berry, horse	30 0	
T 1 0 1 11	50 0	
Thomas Allen, ballast	5 7	
J. Green, ballast	2 8)
Mrs. Emily Selg, sidewalk	29 4	
Highways, Construction account, city		
teams and materials	4,133 4	Ď
Highways, Paved Gutters and Crossings,		
city teams and materials	8,101 8	7
Highways, Paving Cross Street, city	4.0.0	
teams and materials	102 2	
Highways, Watering Streets, paint, etc	153 5)
Public Buildings Maintenance, Fire De-	4 1	1
partment, labor	4 5)
Public Buildings Maintenance, School-	250 6	
houses, edgestones, etc Public Grounds, crushed stone	31 1	
	OT T	
Sewere Construction labor	57 9	5
Sewers Construction, labor	57 2	
Sidewalks Construction, city teams and		
Sidewalks Construction, city teams and materials	57 2 5.647 9	
Sidewalks Construction, city teams and materials	5.647 9	3
Sidewalks Construction, city teams and materials		3
Sidewalks Construction, city teams and materials	5.647 9	47,166 04
Sidewalks Construction, city teams and materials	5.647 9	3
Sidewalks Construction, city teams and materials	5.647 9	47,166 04
Sidewalks Construction, city teams and materials	5,647 9	47,166 04 \$87,568 49
Sidewalks Construction, city teams and materials	5.647 9	47,166 04 \$87,568 49
Sidewalks Construction, city teams and materials	5,647 9. 722 3. ************************************	47,166 04 \$87,568 49
Sidewalks Construction, city teams and materials	\$38,070 95 2,000 06	47,166 04 \$87,568 49
Sidewalks Construction, city teams and materials	5,647 9. 722 3. ************************************	47,166 04 \$87,568 49
Sidewalks Construction, city teams and materials	\$38,070 95 2,000 06	47,166 04 \$87,568 49
Sidewalks Construction, city teams and materials	\$38,070 99 2,000 00 5 73 322 88	47,166 04 \$87,568 49
Sidewalks Construction, city teams and materials	\$38,070 99 2,000 00 5 73 322 89 533 69	47,166 04 \$87,568 49
Sidewalks Construction, city teams and materials	\$38,070 99 2,000 00 5 73 322 89 533 69 109 5	3 47,166 04 \$87,568 49
Sidewalks Construction, city teams and materials	\$38,070 99 \$38,070 99 2,000 00 5 73 322 89 533 69 109 59 1,238 59	47,166 04 \$87,568 49
Sidewalks Construction, city teams and materials Sidewalks Maintenance, city teams and materials DEBIT. Cash, paid laborers' pay-rolls John P. Prichard, salary as superintendent of streets disbursements Eugene Mead, board of superintendent's horse City of Medford, one-half cost of maintaining Middlesex-avenue bridge J. W. Brogan, stone Frank Buttimer, stone J. H. Cressey, Agt., stone	\$38,070 99 \$38,070 99 2,000 00 5 73 322 89 533 69 109 59 1,238 59 384 69	47,166 04 \$87,568 49
Sidewalks Construction, city teams and materials	\$38,070 99 \$38,070 99 2,000 00 5 73 322 89 533 69 109 59 1,238 59 384 69 179 49	47,166 04 \$87,568 49
Sidewalks Construction, city teams and materials	\$38,070 99 \$38,070 99 2,000 00 5 73 322 89 1,238 50 384 69 179 40 35 00	47,166 04 \$87,568 49
Sidewalks Construction, city teams and materials	\$38,070 99 \$38,070 99 2,000 00 5 73 322 89 533 69 109 50 1,238 50 384 69 179 40 35 00 454 50	\$\frac{47,166 04}{\$87,568 49}\$
Sidewalks Construction, city teams and materials	\$38,070 99 \$38,070 99 2,000 00 5 73 322 89 533 69 109 59 1,238 59 384 69 179 49 35 09 454 56 700 4	\$3 47,166 04 \$87,568 49
Sidewalks Construction, city teams and materials Sidewalks Maintenance, city teams and materials Cash, paid laborers' pay-rolls John P. Prichard, salary as superintendent of streets disbursements Eugene Mead, board of superintendent's horse City of Medford, one-half cost of maintaining Middlesex-avenue bridge J. W. Brogan, stone Frank Buttimer, stone J. H. Cressey, Agt., stone J. H. Cressey, Agt., stone E. H. Bennett, stone J. K. Connors, stone J. F. Dwyer, stone George W. Holden, stone	\$38,070 99 \$38,070 99 2,000 00 5 73 322 89 533 69 1,238 59 384 69 179 49 35 09 454 56 700 4 56 66	47,166 04 \$87,568 49
Sidewalks Construction, city teams and materials Sidewalks Maintenance, city teams and materials Cash, paid laborers' pay-rolls John P. Prichard, salary as superintendent of streets disbursements Eugene Mead, board of superintendent's horse City of Medford, one-half cost of maintaining Middlesex-avenue bridge J. W. Brogan, stone Frank Buttimer, stone J. H. Cressey, Agt., stone J. H. Cressey, Agt., stone E. H. Bennett, stone E. H. Bennett, stone J. K. Connors, stone George W. Holden, stone A. H. Kennedy, stone	\$38,070 9 \$38,070 9 2,000 0 5 73 322 8 533 6 109 5 1,238 5 384 6 179 4 35 0 454 5 700 4 56 6 483 4	\$3 47,166 04 \$87,568 49
Sidewalks Construction, city teams and materials Sidewalks Maintenance, city teams and materials Cash, paid laborers' pay-rolls John P. Prichard, salary as superintendent of streets disbursements Eugene Mead, board of superintendent's horse City of Medford, one-half cost of maintaining Middlesex-avenue bridge J. W. Brogan, stone Frank Buttimer, stone J. H. Cressey, Agt., stone J. H. Cressey, Agt., stone E. H. Bennett, stone E. H. Bennett, stone J. K. Connors, stone George W. Holden, stone A. H. Kennedy, stone William H. Lenox, stone	\$38,070 99 \$38,070 99 2,000 00 5 73 322 89 533 69 1,238 59 384 69 179 49 35 09 454 56 700 4 56 66	\$3 47,166 04 \$87,568 49
Sidewalks Construction, city teams and materials Sidewalks Maintenance, city teams and materials Cash, paid laborers' pay-rolls John P. Prichard, salary as superintendent of streets disbursements Eugene Mead, board of superintendent's horse City of Medford, one-half cost of maintaining Middlesex-avenue bridge J. W. Brogan, stone Frank Buttimer, stone J. H. Cressey, Agt., stone J. H. Cressey, Agt., stone E. H. Bennett, stone J. K. Connors, stone J. F. Dwyer, stone George W. Holden, stone A. H. Kennedy, stone William H. Lenox, stone Mass. Broken Stone Co., stone	\$38,070 99 \$38,070 99 2,000 00 5 73 322 89 533 69 1,238 59 384 69 179 49 35 09 454 56 700 4 56 69 483 49 724 49	47,166 04 \$87,568 49
Sidewalks Construction, city teams and materials Sidewalks Maintenance, city teams and materials Cash, paid laborers' pay-rolls John P. Prichard, salary as superintendent of streets disbursements Eugene Mead, board of superintendent's horse City of Medford, one-half cost of maintaining Middlesex-avenue bridge J. W. Brogan, stone Frank Buttimer, stone J. H. Cressey, Agt., stone J. H. Cressey, Agt., stone E. H. Bennett, stone E. H. Bennett, stone J. K. Connors, stone George W. Holden, stone A. H. Kennedy, stone William H. Lenox, stone	\$38,070 9 \$38,070 9 2,000 0 5 73 322 8 533 6 109 5 1,238 5 384 6 179 4 35 0 454 5 700 4 56 6 483 4 724 4 466 2 75 2	47,166 04 \$87,568 49
Sidewalks Construction, city teams and materials Sidewalks Maintenance, city teams and materials Cash, paid laborers' pay-rolls John P. Prichard, salary as superintendent of streets disbursements Eugene Mead, board of superintendent's horse City of Medford, one-half cost of maintaining Middlesex-avenue bridge J. W. Brogan, stone Frank Buttimer, stone J. H. Cressey, Agt., stone J. H. Cressey, Agt., stone E. H. Bennett, stone J. K. Connors, stone J. F. Dwyer, stone George W. Holden, stone A. H. Kennedy, stone William H. Lenox, stone Mass. Broken Stone Co., stone	\$38,070 9 \$38,070 9 2,000 0 5 73 322 8 533 6 109 5 1,238 5 384 6 179 4 35 0 454 5 700 4 56 6 483 4 724 4 466 2	47,166 04 \$87,568 49

Amounts brought forward	\$45,841	
Mrs. Shea, stone	51	30
S. Teele & Son, stone	53	28
Armstrong, Brothers, soil pipe	10	25
Edward Allen, repairing road roller.	5	40
Benjamin F. Anthony, repairing road	00	1-
roller	20	
F. C. Ayer, lumber	160	82
American Express Co., expressing American Broom Co., brooms	28	50
American Broom Co., brooms	28	90
Ames Plow Co., scrapers	7	25
American Steam Gage & Valve Co., re-	9	00
pairing road roller	190	
	138	
Charles Booth, gravel	44 17	
Herbert E. Bowman, oil, etc	8	97
Herbert E. Bowman, oil, etc Boston & Lockport Block Co., blocks . Bigelow & Dowse Co., globes Belmont Hill Nurseries, trees	0 5	01
Polmont Hill Nurseries trees	5 6	00
	264	
Boston & Maine Railroad, freight Bay State Riding & Driving Club,	204	00
dimens	94	00
dinners	24	00
roller	1	60
	1	00
Lewis N. Bump. M. D., compensation for	100	00
injuries	100	
John N. Ball, horse and harness	44	
Braman, Dow, & Co., flanges	2	
J. F. Berton, painting	4	40
blocks	170	10
blocks		03
Anthony W. Bowman, professional at-	U	00
tendance	5	00
Boston Woven Hose & Rubber Co., hose,	5	
Barbour-Stockwell Co., repairing road	0	10
	13	78
J. A. & W. Bird & Co., paints	4	
Buffalo Pitts Co., repairing road roller.	Q	75
Puelman & McCarthy moals	റാ	$\Omega\Omega$
Joseph Breck & Sons Corporation, tools.	30	73
Florence E. Barton, typewriting report.	10	00
William Buckley, horseshoeing	2	01
Cling Surface Mfg. Co., repairing	_	
	17	50
City of Somerville, sidewalk assessment.	140	
C. H. Crane, cigars	3	
William Campbell, sand dryer	25	
Coleman Bros., blocks	696	
Citizen Co., printing	9	
Chadwick Boston Lead Co., metal .	12	
Charles A. Claflin & Co., oil	152	
T. F. Crimmings, use of teams and		
materials	24	25
Charlestown Gas & Electric Co., lamp		
posts	35	00
Drew & Gale, metal	6	
George T. Day, expressing		45
Dodge, Haley, & Co., iron, etc.	211	
Amounts carried forward	\$48,553	27 \$87,568 49

Amounts brought forward C. W. Dolloff, paving blocks Eastern Paving Brick Co., bricks J. F. Elkins, teaming Electric Gas Lighting Co., wire and bell, Farrell Foundry & Machine Co., machinery Malter W. Field, repairing road roller Richard Falvey, sand Hugh Farrell, gravel Benjamin F. Freeman, photographs Glines & Co., expressing Gilman Express, expressing Gilman Express, expressing Thomas Groom & Co., books P. J. Griffin, damages Good Roads Machinery Co., wheels Appendix 48,553 27 \$87,568 4 \$87,568 4 \$87,568 4 \$87,568 4 \$87,568 4 \$87,568 4 \$87,568 4 \$87,568 4 \$87,568 4 \$87,568 4 \$87,568 4 \$87,568 4 \$87,568 4	
Electric Gas Lighting Co., wire and bell, Farrell Foundry & Machine Co., machinery	
Electric Gas Lighting Co., wire and bell, Farrell Foundry & Machine Co., machinery	
machinery J. H. Fannon, teaming stone J. H. Fannon, teaming stone Walter W. Field, repairing road roller Richard Falvey, sand Hugh Farrell, gravel Benjamin F. Freeman, photographs Glines & Co., expressing Gilman Express, expressing Gilmore, Smith, & Co., hay Thomas Groom & Co., books P. J. Griffen damages	
machinery J. H. Fannon, teaming stone J. H. Fannon, teaming stone Walter W. Field, repairing road roller Richard Falvey, sand Hugh Farrell, gravel Benjamin F. Freeman, photographs Glines & Co., expressing Gilman Express, expressing Gilmore, Smith, & Co., hay Thomas Groom & Co., books P. J. Griffen damages	
Hugh Farrell, gravel	
Hugh Farrell, gravel	
Hugh Farrell, gravel	
1 nomas Groom & Co., books 21 00	
1 nomas Groom & Co., books 21 00	
1 nomas Groom & Co., books 21 00	
1 nomas Groom & Co., books 21 00	
1 nomas Groom & Co., books 21 00	
P. J. Griffin, damages 150 00	
H. J. Greene, gravel 134 90	
H. J. Greene, gravel	
A ATOH IV. Clay C. Co., Stationery	
George E. Gilchrist, rails, tees, etc	
George R Henderson repairing huggy 6.75	
Frank Hervey, powder	
Frank Hervey, powder	
William H Hitchings watermary car	
vices	
George F. Hughes, bronze	
vices	
Thomas Hollis Co., sulphur	
Highland Coal Co., cement	
Henry C. Hunt Co., lacings 4 62	
I. W. Hamilton, horseshoeing 2 00	
That thord beeting boner inspection &	
Insurance Co., insurance	
paving blocks	
paving blocks	
roller 4 40	
O. S. Kelley & Co., repairing road roller 5 50	
Lord & Webster, hay 2,221 72	
T. E. Littlefield, lumber	
Leonard & Ellis, oil	
Middlesex Registry of Deeds, recording	
documents	
William J. McCarthy, stone 553 12	
D. McDonald, harness work 19 20	
J. W. Meskell, stone 355 33 John F. Mills, horse . <t< td=""><td></td></t<>	
Monitor Oil & Refining Co., oil	
Menzies Street Cleaner Co., street	
cleaners 34 09	
George McDormand, horseshoeing	
Murphy Varnish Co., varnish 346 65	
Morgan & Bond, oil 628 38 McKay & Stockton, potash	
W. B. Mullen, gravel	

Amounts carried forward \$62,593 89 \$87,568 49

Amounta brought forward	\$60 509 Q0	\$07 KGO 40
Amounts brought forward	\$62,593 89 76 55	\$87,568 49
W. G. Nash, lime	76 55 $2,118 42$	
New England Telephone & Telegraph		
Co., rentals and tolls	53 70	
Edward O'Brien, horseshoeing Fulton O'Brion, hay	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	
Fulton O'Brion, hay	8 43	
Arthur R. Perry, professional services .	8 43 15 00	
Pittsburg Plate Glass Co., glass	$ \begin{array}{ccc} 18 & 00 \\ 72 & 90 \end{array} $	
W. E. Plumer & Co., hardware	72 90	
E. R. Perham, expressing	19 95 348 80	
The Phillips Co., repairing	548 80 7 18	
T. H. Quimby carpentering	47 41	
George E. Ricker, meals	12 00	
T. H. Quimby, carpentering		
carts	4 76	
Robert S. Robson, rubber stamps	2 05	
Estate of James Rawson, painting sign . John B. Rufer, horseshoeing	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	
W. H. Richardson, clipping horse.	$\frac{30}{200}$	
John P. Squire & Co., salt	87	
E. S. Sparrow & Co., hardware	94 43	
Suffolk Engraving & Electrotyping Co.,	0.4	
photographs	24 75	
1. A. Sallaway, paint stock	12 93 48 25	
H. H. I. Smith, books	6 12	
D. M. Smith, paving blocks	54 $\overline{55}$	
D. M. Smith, paving blocks R. W. Shattuck & Co., labor	37 10	
Somerville Electric Light Co., ashes .	9 25	
Somerville Post-office, postage	10 00	
R. M. Sturtevant, horses	$\begin{array}{cc} 275 & 00 \\ & 35 \end{array}$	
John Silk, sand and gravel	39 60	
Sidewalks Construction account, labor	30 00	
and materials	93 28	
	2,904 29	
Teele & Foster Lumber Co., lumber .	13 64	
A. Taylor, wagon	$178 00 \\ 89 57$	
Frank A. Teele, sand	6 50	
John Turner & Co., granite blocks	3,396 69	
Town of Wakefield, release of tax titles.	25 30	
Thorpe's Express, expressing	1 00	
Underhill Hardware Co., hardware.	104 20	
Union Square Furniture Co., oil stove . M. L. Vinal, books	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	**
Viscol Co., dressing	$22 \ 50$	
F. D. Weld, repairing ladder	5 00	
Whitney & Snow, hardware	266 66	
Wellington Wild Coal Co., fuel	1,295 64	
L. A. Wright, repairing wagon A. M. Wood Co., oak shafts, etc.	2 25	
A. J. Whittemore, photographs	$\begin{array}{cccc} 462 & 44 \\ 11 & 00 \end{array}$	
Welch & Hall, horses	375 00	
Welch & Hall, horses	526 70	
Herbert Wood, sharpening tools	8 20	
Amounts carried forward	\$76.040.10	\$0F F60 46
rinounts carried forward	\$76,248 19	\$87,568 49

Amounts brought forward I. B. Walker, setting tires, etc. I. H. Wiley & Co., japan . M. E. Youngjohn, cotton cloth	•	$ \begin{array}{c} 25 \\ \hline 876,276 \end{array} $	73 23 68 ———————————————————————————————————	568 49		
Balance to credit of account, 1902		. 11,291		568 49		
Highways, Paved Gutters and Crossings.						
CREDIT.						
Cash, received from State of Massac tax (part appropriated) . Balance to debit of account, 1902.	chusetts, •	, street railw 	. \$18,0	000 00 356 94		
		,	\$23,	B56 94		
DEH	BIT.					
Balance from 1900	teams	\$8,302 6,908 8,101	98			
W. G. Nash, cement Highland Coal Co., cement .	•	. 37	65 00	356 94		
History De in Constant						
Highways, Paving Cross Street.						
Balance from 1900	DIT.		\$19 (00 00		
Cash, received of Boston Elevated Co., asphalt paving Highways Maintenance account blocks	Railway	; ; ; ; ; ; ; ; ; ; ; ; ; ;	•			
	paving	943	99			
			13,0	057 74		
			\$25,0	057 74		
Cash, paid laborers		. \$603	50			
Barber Asphalt Paving Co., on	account					
of contract	use o	f 102				
7.1		\$23,156	94			
Balance to credit of account, 1902		1,900		057 74		
Highways, Paving Davis Square.						
	DIT.					
Balance to debit of account, 1902	BIT.		\$	316 80		
Polonos from 1000	•		\$	316 80		

Highways, Paving Washington Street. Balance from 1900. \$212 46 DEBIT. Balance to credit of account, 1902. \$212 46 Highways, Watering Streets. CREDIT. Taxes, assessments levied \$15,613 04 Cash, received of abutters \$75 48 Public Grounds account, watering boule-160 00 36 00 Sundry Persons, insuring . . . 271 48 \$15,884 52 DEBIT. \$448 75 Cash, paid laborers 600.66 Charles I. Bucknam, overseeing 509 68 John F. Elkins, watering . . John F. Elkins, watering. James H. Thompson, watering George W. Prichard, watering . 510 97 586 67 A. M. Prescott, watering . . . 589 33 A. M. Prescott, watering Cornelius R. Bowlby, watering 560 00 Benjamin Thomas, watering John A. Marsh, watering David M. Smith, watering William Libbey, watering George F. McKenna, watering Henry J. McAvoy, watering James H. Fannon, watering John B. Rufer, watering John B. Rufer, watering Frank Buttimer, watering Eugene P. Gormley, watering Timothy F. Crimmings, watering Edwin E. Whitehouse, watering Charles T. Garland, watering Charles T. Garland, watering Ralph M. Sturtevant, watering Charles P. Brann, watering George W. Cummings, watering Walter M. Brown, watering William B. Holmes, repairing carts I. B. Walker, repairing carts Benjamin Thomas, watering . 589 33 476 30 588 68 588 08 526 67 552 00 528 33 528 00 552 00 552 00 525 33 400 00 468 51 521 82 473 64 549 34 548 00 473 64 468 30 522 67 9 85 18 30 18 30 824 85 268 00 I. B. Walker, repairing carts . . . J. L. & H. K. Potter, repairing carts . Hale & Mayhew Co., repairing carts . A. M. Wood Co., repairing carts . . 24 82 Joseph Palmer, repairing carts Howe & Flint, repairing carts Charles S. Robertson, insurance Citizen Co., printing John B. Rufer, horseshoeing I. W. Hamilton, repairing 88 74 49 45 36 00 $\begin{array}{c} 6 & 25 \\ 1 & 75 \end{array}$ 25 Amounts carried forward . . . \$14,978 44 \$15,884 52

A management as her age much to an and	\$14.050.44	015 001 50
Amounts brought forward	\$14,978 44	\$15,884 52
L. A. Wright, repairing	3 25	
Dodge, fialey, & Co., repairing	7 78	
Oliver whyte & Co., repairing	8 15	
American Stave & Cooperage Co., re-	2.50	
pairing	3 50	
Murphy Varnish Co., paint	6 75	
Highways Maintenance account, paint		
stock	$153 \ 55$	
Underhill Hardware Co., wrenches	8 25	
W. E. Plumer & Co., tools	8 20	
Fulton O'Brion, hay	2 10	
Ira L. Roberts, horseshoeing	$\overline{4}$ $\overline{75}$	
Ira L. Roberts, horseshoeing Edward O'Brien, horseshoeing	$\vec{7}$ $\vec{50}$	
David J. Caldwell, teaming	6 00	
David M Smith teaming.	3 00	
Charles T Carland shade	3 50	
David M. Smith, teaming	5 90	
B. I nomas, snade	3 50	
Edward H. Miller, frame	3 00	
F. C. Ayer, lumber	4 89	
Charles A. Claffin & Co., flax	1 15	
Richard T. McCrossan, compensation for		
damages, etc	61 43	
McGrath & Woodley, book	15 00	
Lillian E. Leavitt, clerical services .	$\begin{array}{c} 15 & 00 \\ 74 & 66 \end{array}$	
Glines & Co., expressing	30	
Water Works Extension account, water	30	
posts, repairs and maintenance of	919 80	
same	313 52	
	A1F 000 15	
	\$15,682 17	
Excess and Deficiency, balance to credit	200	
of account	$202 \ 35$	
		\$15,884 52
		\$15,884 52
		\$15,884 52
Inspection of Ruildings.		\$15,884 52
Inspection of Buildings.		\$15,884 52
Inspection of Buildings.		\$15,884 52
CREDIT.		
		\$15,884 <u>52</u> \$4,500 00
CREDIT. Appropriations, from Taxes 1901		
CREDIT. Appropriations, from Taxes 1901 Debit.		
CREDIT. Appropriations, from Taxes 1901		
CREDIT. Appropriations, from Taxes 1901 DEBIT. Cash, paid Frederick C. Fuller, salary as	\$1,900 00	
CREDIT. Appropriations, from Taxes 1901 DEBIT. Cash, paid Frederick C. Fuller, salary as commissioner of public buildings .		
CREDIT. Appropriations, from Taxes 1901 DEBIT. Cash, paid Frederick C. Fuller, salary as commissioner of public buildings disbursements	\$1,900 00 5 00	
CREDIT. Appropriations, from Taxes 1901 DEBIT. Cash, paid Frederick C. Fuller, salary as commissioner of public buildings disbursements	5 00	
CREDIT. Appropriations, from Taxes 1901 DEBIT. Cash, paid Frederick C. Fuller, salary as commissioner of public buildings . disbursements		
CREDIT. Appropriations, from Taxes 1901 DEBIT. Cash, paid Frederick C. Fuller, salary as commissioner of public buildings	5 00 1,200 00	
CREDIT. Appropriations, from Taxes 1901 DEBIT. Cash, paid Frederick C. Fuller, salary as commissioner of public buildings	5 00 1,200 00 1,200 00	
CREDIT. Appropriations, from Taxes 1901 DEBIT. Cash, paid Frederick C. Fuller, salary as commissioner of public buildings disbursements	5 00 1,200 00 1,200 00 60 00	
CREDIT. Appropriations, from Taxes 1901 DEBIT. Cash, paid Frederick C. Fuller, salary as commissioner of public buildings disbursements	5 00 1,200 00 1,200 00	
CREDIT. Appropriations, from Taxes 1901 DEBIT. Cash, paid Frederick C. Fuller, salary as commissioner of public buildings	5 00 1,200 00 1,200 00 60 00 15 25	
CREDIT. Appropriations, from Taxes 1901 DEBIT. Cash, paid Frederick C. Fuller, salary as commissioner of public buildings disbursements	5 00 1,200 00 1,200 00 60 00 15 25 17 65	
CREDIT. Appropriations, from Taxes 1901 DEBIT. Cash, paid Frederick C. Fuller, salary as commissioner of public buildings	5 00 1,200 00 1,200 00 60 00 15 25 17 65 3 00	
CREDIT. Appropriations, from Taxes 1901 DEBIT. Cash, paid Frederick C. Fuller, salary as commissioner of public buildings	5 00 1,200 00 1,200 00 60 00 15 25 17 65 3 00 4 00	
CREDIT. Appropriations, from Taxes 1901 DEBIT. Cash, paid Frederick C. Fuller, salary as commissioner of public buildings	5 00 1,200 00 1,200 00 60 00 15 25 17 65 3 00	
CREDIT. Appropriations, from Taxes 1901 DEBIT. Cash, paid Frederick C. Fuller, salary as commissioner of public buildings	5 00 1,200 00 1,200 00 60 00 15 25 17 65 3 00 4 00 2 40	
CREDIT. Appropriations, from Taxes 1901	5 00 1,200 00 1,200 00 60 00 15 25 17 65 3 00 4 00	
CREDIT. Appropriations, from Taxes 1901	5 00 1,200 00 1,200 00 60 00 15 25 17 65 3 00 4 00 2 40 3 08	\$4,500 00
CREDIT. Appropriations, from Taxes 1901	5 00 1,200 00 1,200 00 60 00 15 25 17 65 3 00 4 00 2 40	

Amounts brought forward	\$4,410 38	\$4,500 00
Co., rentals and tolls	$\begin{array}{cc} 45 & 65 \\ 36 & 00 \end{array}$	
	\$4,492 03	
Excess and Deficiency, balance to credit of account	7 97	\$4.500.00
		\$4,500 00
Interest.		
CREDIT.		
Appropriations, from Taxes 1901 Water Works Income, amount transferred. Sundry Persons, amount of coupons entered by 31. 1899:—-		\$45,000 00 6,440 00
City Loan	\$1,540 00 22 50	1 560 50
Real Estate Liens, interest		1,562 50 96 65
and assessments	\$16,872 45	
Interest on deposits in banks	1,997 15	18,869 60
		\$71,968 75
DEBIT.		
Coupons maturing July 1 (transferred to Coupons Unpaid)	\$21,460 00	
Coupons maturing July 1 (transferred to Coupons Unpaid)	\$21,460 00 3,830 00	
Coupons maturing July 1 (transferred to Coupons Unpaid)		
Coupons maturing July 1 (transferred to Coupons Unpaid) Coupons maturing October 1 (transferred to Coupons Unpaid) Coupons maturing January 1, 1902 (transferred to Coupons Unpaid) Sundry Persons, charged August 31, 1900, by error	3,830 00	
Coupons maturing July 1 (transferred to Coupons Unpaid) Coupons maturing October 1 (transferred to Coupons Unpaid) Coupons maturing January 1, 1902 (transferred to Coupons Unpaid) Sundry Persons, charged August 31, 1900, by error Isaac Pitman Income Fund, Poetry, interest on investment	3,830 00 22,365 00	
Coupons maturing July 1 (transferred to Coupons Unpaid) Coupons maturing October 1 (transferred to Coupons Unpaid) Coupons maturing January 1, 1902 (transferred to Coupons Unpaid) Sundry Persons, charged August 31, 1900, by error Isaac Pitman Income Fund, Poetry, interest	3,830 00 22,365 00 45 00	\$47.810.42
Coupons maturing July 1 (transferred to Coupons Unpaid) Coupons maturing October 1 (transferred to Coupons Unpaid) Coupons maturing January 1, 1902 (transferred to Coupons Unpaid) Sundry Persons, charged August 31, 1900, by error Isaac Pitman Income Fund, Poetry, interest on investment Isaac Pitman Income Fund, Art, interest on investment Cash, paid interest on Temporary Loans: On note No. 492, \$50,000 four months at	3,830 00 22,365 00 45 00 54 86	\$47,810 42
Coupons maturing July 1 (transferred to Coupons Unpaid) Coupons maturing October 1 (transferred to Coupons Unpaid) Coupons maturing January 1, 1902 (transferred to Coupons Unpaid) Sundry Persons, charged August 31, 1900, by error Isaac Pitman Income Fund, Poetry, interest on investment Isaac Pitman Income Fund, Art, interest on investment Cash, paid interest on Temporary Loans: On note No. 492, \$50,000 four months at 4 per cent. On notes Nos. 495-500, \$200,000 six months, discounted at 3.30 per cent.	3,830 00 22,365 00 45 00 54 86 55 56	\$47,810 42
Coupons maturing July 1 (transferred to Coupons Unpaid) Coupons maturing October 1 (transferred to Coupons Unpaid) Coupons maturing January 1, 1902 (transferred to Coupons Unpaid) Sundry Persons, charged August 31, 1900, by error Isaac Pitman Income Fund, Poetry, interest on investment Isaac Pitman Income Fund, Art, interest on investment Cash, paid interest on Temporary Loans:— On note No. 492, \$50,000 four months at 4 per cent. On notes Nos. 495-500, \$200,000 six months. discounted at 3.30 per cent. On note No. 487, \$100,000 six months, two days, at 3½ per cent.	3,830 00 22,365 00 45 00 54 86 55 56	\$47,810 42
Coupons maturing July 1 (transferred to Coupons Unpaid) Coupons maturing October 1 (transferred to Coupons Unpaid) Coupons maturing January 1, 1902 (transferred to Coupons Unpaid) Sundry Persons, charged August 31, 1900, by error Isaac Pitman Income Fund, Poetry, interest on investment Isaac Pitman Income Fund, Art, interest on investment Cash, paid interest on Temporary Loans:— On note No. 492, \$50,000 four months at 4 per cent. On note No. 487, \$100,000 six months, two days, at 3½ per cent. On note No. 493, \$50,000 five months at 4 per cent.	3,830 00 22,365 00 45 00 54 86 55 56 \$667 67 3,300 00	\$47,810 42
Coupons maturing July 1 (transferred to Coupons Unpaid) Coupons maturing October 1 (transferred to Coupons Unpaid) Coupons maturing January 1, 1902 (transferred to Coupons Unpaid) Sundry Persons, charged August 31, 1900, by error Isaac Pitman Income Fund, Poetry, interest on investment Isaac Pitman Income Fund, Art, interest on investment Cash, paid interest on Temporary Loans:— On note No. 492, \$50,000 four months at 4 per cent. On note No. 487, \$100,000 six months, two days, at 3½ per cent. On note No. 493, \$50,000 five months at 4 per cent. On note No. 494, \$50,000 six months at 4 per cent. On note No. 494, \$50,000 six months at 4 per cent.	3,830 00 22,365 00 45 00 54 86 55 56 \$667 67 3,300 00 1,769 44	\$47,810 42
Coupons maturing July 1 (transferred to Coupons Unpaid) Coupons maturing October 1 (transferred to Coupons Unpaid) Coupons maturing January 1, 1902 (transferred to Coupons Unpaid) Sundry Persons, charged August 31, 1900, by error Isaac Pitman Income Fund, Poetry, interest on investment Isaac Pitman Income Fund, Art, interest on investment Cash, paid interest on Temporary Loans:— On note No. 492, \$50,000 four months at 4 per cent. On note No. 487, \$100,000 six months, two days, at 3½ per cent. On note No. 493, \$50,000 five months at 4 per cent. On note No. 493, \$50,000 five months at 4 per cent. On note No. 494, \$50,000 six months at 4 per cent.	3,830 00 22,365 00 45 00 54 86 55 56 \$667 67 3,300 00 1,769 44 833 33	\$47,810 42

Amounts brought forward	\$9,465	27	\$47,810 42
511-514, \$25,000 4 months, discounted at 4 per cent., and \$10.00 premium, On notes Nos. 515-516, \$50,000 five months, two days, discounted at 4	3,012	22	
per cent	844	45	
	\$13,321	94	
Cash, paid Martha A. Russell, interest on \$4,000 two years, four months, at 4 per cent.	346	67	
Faustina A. Russell, interest on \$2,000	040	01	
two years, four months, at 4 per cent	173	33	
City Loan, \$19,000 six months at 4 per cent \$380 00 City Loan, \$89,000 six months			,
at 4½ per cent 2,002 50 Paving Loan, \$60,000 six			
months at 4 per cent 1,200 00 Sewer Loan, \$11,000 six months			
at 4½ per cent 247 50	9.090	00	
	3,830		17,671 94
			\$65,482 36
Excess and Deficiency, balance to credit of acc	count .	•	6,486 39
Excess and Deficiency, balance to credit of acc	count .	٠	6,486 39 \$71,968 75
Excess and Deficiency, balance to credit of acc	count .	٠	
Excess and Deficiency, balance to credit of accommonwealth of.	count .	٠	
	count .		
Massachusetts, Commonwealth of. CREDIT. State Tax	count .		\$71,968 75 \$30,625 00
Massachusetts, Commonwealth of. CREDIT. State Tax	count .		\$71,968 75 \$30,625 00 41,195 19
Massachusetts, Commonwealth of. CREDIT. State Tax	count .		\$71,968 75 \$30,625 00
Massachusetts, Commonwealth of. CREDIT. State Tax	count .		\$71,968 75 \$30,625 00 41,195 19 1,097 10
Massachusetts, Commonwealth of. CREDIT. State Tax	count .		\$71,968 75 \$30,625 00 41,195 19 1,097 10 56,816 76
Massachusetts, Commonwealth of. CREDIT. State Tax	count .	:	\$71,968 75 \$30,625 00 41,195 19 1,097 10 56,816 76
Massachusetts, Commonwealth of. CREDIT. State Tax	\$315		\$71,968 75 \$30,625 00 41,195 19 1,097 10 56,816 76
Massachusetts, Commonwealth of. CREDIT. State Tax			\$71,968 75 \$30,625 00 41,195 19 1,097 10 56,816 76
Massachusetts, Commonwealth of. CREDIT. State Tax Metropolitan Sewer Assessment National Bank Tax Metropolitan Water Assessment DEBIT. Soldiers' Burials, due from State, 1900 account Military Aid, due from State, 1900 account, Street Railway Tax, due from State, 1901 account State Aid, due from State, 1900 account,	\$315	50 89	\$71,968 75 \$30,625 00 41,195 19 1,097 10 56,816 76
Massachusetts, Commonwealth of. CREDIT. State Tax Metropolitan Sewer Assessment National Bank Tax Metropolitan Water Assessment DEBIT. Soldiers' Burials, due from State, 1900 account Military Aid, due from State, 1900 account, Street Railway Tax, due from State, 1901 account State Aid, due from State, 1900 account, Corporation Taxes, due from State, 1901 account	\$315 348 59,756	50 89 00	\$71,968 75 \$30,625 00 41,195 19 1,097 10 56,816 76
Massachusetts, Commonwealth of. CREDIT. State Tax Metropolitan Sewer Assessment National Bank Tax Metropolitan Water Assessment DEBIT. Soldiers' Burials, due from State, 1900 account Military Aid, due from State, 1900 account, Street Railway Tax, due from State, 1901 account State Aid, due from State, 1900 account, Corporation Taxes, due from State, 1901 account City Treasurer, fee for collecting national Bank Tax	\$315 348 59,756 11,388	50 89 00 12	\$71,968 75 \$30,625 00 41,195 19 1,097 10 56,816 76
Massachusetts, Commonwealth of. CREDIT. State Tax Metropolitan Sewer Assessment National Bank Tax Metropolitan Water Assessment DEBIT. Soldiers' Burials, due from State, 1900 account Military Aid, due from State, 1900 account, Street Railway Tax, due from State, 1901 account State Aid, due from State, 1900 account, Corporation Taxes, due from State, 1901 account City Treasurer, fee for collecting national Bank Tax Public Buildings Maintenance, Police, rent	\$315 348 59,756 11,388 25,841	50 89 00 12 99	\$71,968 75 \$30,625 00 41,195 19 1,097 10 56,816 76
Massachusetts, Commonwealth of. CREDIT. State Tax Metropolitan Sewer Assessment National Bank Tax Metropolitan Water Assessment DEBIT. Soldiers' Burials, due from State, 1900 account Military Aid, due from State, 1900 account, Street Railway Tax, due from State, 1901 account State Aid, due from State, 1900 account, Corporation Taxes, due from State, 1901 account City Treasurer, fee for collecting national Bank Tax	\$315 348 59,756 11,388 25,841	50 89 00 12 99	\$71,968 75 \$30,625 00 41,195 19 1,097 10 56,816 76

State Aid, due from State, 1901 account Soldiers' Burials, due from State, 1901 account	\$11,988 00 490 00
Soldiers' Burials, due from State, 1901 account State of Massachusetts, Soldiers' Burials, due from State, 1900 account	105 00
State of Massachusetts, Military Aid, due from State,	432 00
1901 account	
Balance to debit of account, 1902	\$13,015 00 \$13,015 00
Metered Water Charges.	
CREDIT.	
Water Works, Abatements on Water Charges, abate-	
ments	\$23 94 13,480 12
Balance to debit of account, 1902	\$13,504 06 13,755 31
	\$27,259 37
DEBIT.	
Balance from 1900	
Water Works Income, meter rates for last	
quarter 1901, payable 1902 13,366 25	
quarter 1901, payable 1902	
Water Works Income, water bills uncol-	\$27,259 37
Water Works Income, water bills uncollected	\$27,259 37
Water Works Income, water bills uncol-	<u>\$27,259</u> 37
Water Works Income, water bills uncollected	
Water Works Income, water bills uncollected	\$\frac{\$27,259 37}{400 00}\$\$
Water Works Income, water bills uncollected	\$400 00 432 00 \$832 00
Water Works Income, water bills uncollected	\$400 00 432 00 \$832 00 32 00
Water Works Income, water bills uncollected	\$400 00 432 00 \$832 00
Water Works Income, water bills uncollected	\$400 00 432 00 \$832 00 32 00 \$864 00
Water Works Income, water bills uncollected	\$400 00 432 00 \$832 00 32 00
Water Works Income, water bills uncollected	\$400 00 432 00 \$832 00 32 00 \$864 00
Water Works Income, water bills uncollected	\$400 00 432 00 \$832 00 32 00 \$864 00
Water Works Income, water bills uncollected	\$400 00 432 00 \$832 00 32 00 \$864 00
Military Aid. CREDIT. Appropriations, from Taxes of 1901	\$400 00 432 00 \$832 00 32 00 \$864 00 \$864 00
Military Aid. CREDIT. Appropriations, from Taxes of 1901	\$400 00 432 00 \$832 00 32 00 \$864 00 \$864 00 \$15,964 11 37,580 17
Military Aid. CREDIT. Appropriations, from Taxes of 1901 Commonwealth of Massachusetts Excess and Deficiency, balance to debit of account DEBIT. Cash, paid sundry persons as per pay-rolls Overlay and Abatement. CREDIT. Balance from 1900 Taxes, amount of overlay from Assessors' warrant Amount of assessors' supplementary warrants George A. Crane, taxes previously abated	\$400 00 432 00 \$832 00 32 00 \$864 00 \$864 00
Military Aid. CREDIT. Appropriations, from Taxes of 1901 Commonwealth of Massachusetts Excess and Deficiency, balance to debit of account DEBIT. Cash, paid sundry persons as per pay-rolls Overlay and Abatement. CREDIT. Balance from 1900 Taxes, amount of overlay from Assessors' warrant Amount of assessors' supplementary warrants Amount of assessors' supplementary warrants	\$400 00 432 00 \$832 00 32 00 \$864 00 \$864 00 \$864 00 \$15,964 11 37,580 17 901 09

Amount brought forward		\$54,482 63
DEBIT.		
Taxes, amount of abatements Cash, paid John M. Hagar, tax of 1901 re-	\$24,242 41	
funded	$\begin{array}{c} 7 & 95 \\ 6 & 36 \end{array}$	
Florence Willard, tax of 1901 refunded.	3 18	
Bridget Fahey, tax of 1901 refunded . Frank H. Hitchcock, exec., tax of 1901	4 77	
refunded	23 85	
Fred G. Smith, tax of 1901 refunded . Beulah A. Jacobs, exex., tax of 1901	2 00	
refunded	9 54 3 18	
Support of Poor, Miscellaneous account,		
amount transferred Support of Poor, City Home, amount	4,000 00	
transferred	1,500 00	
ferred	18,739 69	
Sundry Persons, amount transferred .	1,302 59	
Palaman to and the formula 1000	\$49,845 52	
Balance to credit of account, 1902	4,637 11	\$54,482 63
Overplus on Tax Sales.		•
CREDIT.		
Balance from 1900		\$868 13
DEBIT.		
Cash, paid C. Amory Stevens, premium on taxes sold for 1897	\$650 00	
Clara E. Sexton, premium on taxes sold	·	
for 1897	100 00	
Balance to credit of account, 1902	\$750 00 118 13	
Balance to credit of account, 1902	110 13	\$868 13
Police.		
CREDIT.		
Appropriations, from Taxes 1901		\$31,500 00
Cash, received of Commonwealth of Massa- chusetts, corporation tax, balance		
from 1900	\$2,241 76	
Commonwealth of Massachusetts, national bank tax, balance from 1900 .	73 98	
Commonwealth of Massachusetts, corporation tax	21,956 83	
Commonwealth of Massachusetts, na-	,	
tional bank tax	3,884 29	
Correction, fines	784 00	
Amounts carried forward	\$28,940 86	\$31,500 00

Amounts brought forward Herbert A. Chapin, clerk of the courts,	\$28,940 86	\$31,500 00
fines	2,974 02	
Sundry Persons, witness fees returned . Sundry Persons, cloth for uniforms	57 35 420 86	
bundly response, cross for uniformly t		32,393 09
		\$63,893 09
DEBÍT.		
Cash, paid Melville C. Parkhurst, chief .	\$1,900 00	
Robert R. Perry, captain	1,500 00	
Edward McGarr, sergeant	1,200 00	
Christopher C. 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	
Phineas W. Skinner, patrolman	1,092 00	
John Hafford, patrolman	$1,095 00 \\ 918 00$	
George W. Bean, patrolman	993 00	
John E. Fuller, patrolman	1,095 00	
George H. Carleton, patrolman	1,095 00	
Edward M. Carter, patrolman	1,095 00	
George L. Smith, patrolman	1,095 00	
Francis A. Perkins, patrolman	1,095 00	
William H. Johnston, patrolman	1,077 00	
Charles S. Thrasher, patrolman	1,065 00	
Arthur E. Keating, patrolman	1,095 00	
John G. Knight, patrolman	1,092 00	
Jacob W. Skinner, patrolman	$1,083 \ 00$ $1,086 \ 00$	
David A. Bolton, patrolman	1,095.00	
Ulysses G. Skinner, patrolman	327 00	
James M. Harmon, patrolman	1,092 00	
Michael T. Kennedy, patrolman	1,095 00	
Ira S. Carleton, patrolman	1,095 00	
Charles W. Stevens, patrolman	$1,092\ 00$	
Ezra A. Dodge, patrolman	528 00	
Eugene H. Gammon, patrolman	1,074 00	
James J. Pollard, patrolman	1,095 00	·
Daniel G. Simons, patrolman	$1,095 00 \\ 1,083 00$	
Frederic H. Googins, patrolman	1,095 00	
Jotham Chisholm, patrolman	$1,095 \ 00$	
William J. Davidson, patrolman	1,089 00	
Elmer E. Drew, patrolman	1,092 00	
John A. Dadmun, patrolman	$1,095 \ 00$	
Eugene A. Woodsum, patrolman	1,092 00	
George L. Rice, patrolman	1,095 00	
Myron S. Gott, patrolman	964 50	
John A. Ray, patrolman	983 75 983 75	
Herbert Hilton, patrolman	985 75 954 50	
Charles E. Byrnes, patrolman	912 50	
Thomas Damery, patrolman	$912 \ 50$	
Frank C. Hopkins, patrolman	895 00	
Charles W. Allen, patrolman	912 50	
Clifford B. True, reserve patrolman .	452 50	
Amounts carried forward	\$51,766 50	\$63,893 09

Amounta haccolt for and	ME1 M A A A B A	000 000
Amounts brought forward	\$51,766 50	\$63,893 09
Hudson M. Howe, reserve patrolman.	905 00	
Frederic J. Balcom, reserve patrolman.	912 50	
Ernest S. Goff, reserve patrolman.	912 50	
Sanford S. Lewis, reserve patrolman .	655 00	
Henry A. Sudbey, reserve patrolman.	652 50	
Frank H. Graves, reserve patrolman	655 00	
Harry L. Allen, reserve patrolman.	395 00	
Judson W. Oliver, driver	912 50	
Edward E. Ware, driver	823 50	
Martin Sharry, driver	823 50 84 00	
Lower Lowinson, driver	84 00	
John H. Kelley, special patrolman	10 00	
Irving E. Wilson, special patrolman.	8 75	
Patrick H. Ryan, special patrolman	10 50	
George H. Dearborn, special patrolman.	8 00	
George A. McGunnigle, special patrol-	9 00	
man	8 00	
Albert Gilman, special patrolman	8 00	
Nathan L. Pennock, special patrolman.	8 00	
Daniel H. Rinn, special patrolman.	8 00	
Louis F. Arnold, special patrolman.	8 00	
Peter Savage, special patrolman	8 00 8 00	
Edward F. Reed, special patrolman.	8 00	
Frederic A. Dickinson, special patrolman,	8 00	
William T. Higgins, special patrolman.	8 00	
Ecwis R. Stuart, special patrolliagi.		
Roy C. Burckes, special patrolman.	8 00	
Lambert M. Maynard, special patrolman,	8 00 8 00	
Peter J. Savage, special patrolman	8 00	
Charles Gallaway, special patrolman . Alfred M. Sibley, special patrolman .	8 00	
Andrew B. Colesworthy, special patrol-	8 00	
	8 00	
man	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	
Eugene A. Carter, disbursements	139 15	
F. W. Hopkins, disbursements	27 29	
The state of the s	24 30	
George H. Carleton, disbursements	24 30 22 44 19 30	
Lemuel H. Snow, disbursements	19 20	
Michael T. Kennedy, disbursements .	1 18	
Melville C. Parkhurst, lock-up keeper .	100 00	
Mary A. Staples, matron	170 00	
Mrs. Andrew Olson, meals for prisoners,	20 00	
E. B. West, crackers	9 89	
E. Schuebeler, towels	8 75	
American Towel Supply Co., towels .	28 10	
J. H. Brooks, pillow slips	75	
Idella Taylor, laundering	45 40	
W. H. Morris, sign board	2 00	
G. M. Fortin, painting sign	1 00 .	
Whitney & Snow, hardware	26 59	
W. E. Plumer & Co., hardware	50	
Lamprell & Marble, bunting	1 60	
Mrs. Ezra Dodge, mending flag	4 00	
E. Spalding, repairs	4 00	
Union Square Carriage Co., repairs .	$30 \ 25$	
Allen Brothers, badges	24 00	
Fred W. Farrar, repairing badges	9 30	
	000.00	
Amounts carried forward	\$60,385 04	\$63,893 09

Amounts brought forward \$60,385	04 \$63,893 09	9
Boston Nickel Plating Co., plating 4	75	
Iver Johnson Co., revolvers and car-		
tridges	17	
	50	
M. J. Connor, cloth	96	
Raphael Masstrangialo, hat triminings . 14	28	
Union Glass Co., lanterns	00	
Union Glass Co., lanterns	00	
J. A. Marsh, hay and grain	- 95 - KA	
Ira L. Roberts, horseshoeing 54	00	
Caldwell's Stable, saddle horses	00	
Horace C. White, medical services	00	
Royal Cross Chemical Co., disinfectant . 2	00	
Herbert Wood, keys	60	
Royal Cross Chemical Co., disinfectant . 2 Herbert Wood, keys	75	
Citizen Co., printing	-25	
S. F. Phipps, brush and sponge 2	00	
C. M. Blake, newspapers	30	
C. M. Blake, newspapers	00	
S. F. Phipps, brush and sponge	00	
Hobbs & Warren Co., stationery 49	76	
Aymar & Bradlee, typewriter and supplies		
plies	25	
M. L. Vinal, envelopes 4	20	
W. A. Greenough, directories 9	00	
Little, Brown, & Co., law books 3	00	
Now England Talanhana & Talanhana h	00	
Trew Jangiand Telephone & Telegraph		
Co., rentals and tolls 200		
Fresh Pond Ice Co., ice		
L. H. Brown, carriage hire		
Thorne's Express expressing	40	
Thorpe's Express, expressing	40	
E. R. Perham, expressing	90	
Glines & Co., expressing	$6\overline{5}$	
——————————————————————————————————————		
\$62,009	48	
Excess and Deficiency, balance to credit		
of account	61	
	\$63,893 0	9
		=
Danidas Harra Davida and		
Powder-House Boulevard.		
CREDIT.		
D-1 (1000	₼ ⊘₽ ₽	0
Balance from 1900	\$687.7	8
Funded Debt account		Λ
Cash, received of Sewers Construction	. 12,000 0	U
account, catch basins, etc \$1,990	00	
City Engineer. car fares		
	$\frac{10}{2,030}$ 7.	5
		_
Amount carried forward	. \$14,718 5	3

Amount brought forward	\$14,718 53
DEBIT.	
Cash, paid William J. McCarthy, on account	
of	
William J. McCarthy and Thomas H.	
Gill, constructing boulevard 14,142 47	
George O. W. Servis, car fares 35 45	
W. P. Rice, stakes 5 30	
A11.717 10	
\$14,715 43	
Balance to credit of account, 1902 3 10	\$14,718 53
	\$14,110 00
Printing and Stationery.	
CREDIT.	
	+2 +00 00
Appropriations, from Taxes 1901	\$2,500 00
DEBIT.	
Cash, paid Somerville Journal Co., printing	
annual reports \$1,279 01 Somerville Journal Co., municipal reg-	
isters, etc 342 00	
The Citizen Co., printing and stationery. 101 90	
Thomas Groom & Co., stationery 33 52	
G. H. Walker & Co., plans 142 50	
Somerville Post-office, postage 22 00	
<u></u>	
Excess and Deficiency, balance to credit of \$1,920 93	
account 579 07	
	\$2,500 00
Property and Debt Balance.	
• •	
CREDIT.	** *** ***
Balance from 1900	\$1,512,378 92
Public Property, property acquired in 1901	137,909 67
Public Property, amount of increase, by authority of the committee	330,523 23
Public Property, school text-books	50,305 00
Reduction of Funded Debt, bonds paid	163,000 00
,	
	\$2,194,116 82
DEBIT.	
Appropriations, amount borrowed on	
Funded Debt account \$146,000 00	
Balance to credit of account, 1902 2,048,116 82	
	\$2,194,116 82
Public Buildings Construction, Schoolhouse in Ward C	ne.
CREDIT.	
Appropriations, amount appropriated by borrowing on	
Funded Debt account	\$40,500 00
Amount carried forward	\$40,500 00

Amount brought forward	\$40,500 00
Cash, received of Eugene P. Gormley, old building	150 00
•	\$40,650 00
DEBIT.	
Cash, paid Mary Doherty, purchase of land, \$1,153 90 Mary Doherty, guardian, purchase of	
land	
Joseph J. Giles, purchase of land 41 44 Slade & Crawford, specifications	
B. L. Makepeace, blue prints 22 32	
Wadsworth, Howland, & Co., tracing cloth 10 52	
George M. Davis & Son, payment on contract	
contract	
\$13,161 18	
Balance to credit of account, 1902 27,488 82	\$40,650 00
	φτυ,υσυ υυ
Public Buildings Construction, Shed at City Home.	
CREDIT.	
Appropriations, amount appropriated by borrowing on	** *** **
Funded Debt account	\$1,500 00
DEBIT.	
Cash, paid H. P. Tibbetts, on account of	
contract	
F. C. Alexander, stone	
Highland Coal Co., pipe, etc	
¢1 400 10	
Balance to credit of account, 1902 \$1,492 18	
	\$1,500 00
Public Buildings Maintenance, City Hall.	
CREDIT.	
Appropriations, from Taxes 1901	\$4,000 00
Public Library Addition, amount transferred	350 00
	\$4.950.00
	\$4,350 00
DEBIT.	
Cash, paid Irwin G. Felt, janitor \$800 00	
George H. Griffin, night janitor 840 00 J. C. Sampson, substitute janitor 36 00	
W. B. Higgins, substitute janitor	
Derby Desk Co., furniture 453 70	
Union Square Furniture Co., furniture . 9 50 John H. Pray, Sons, & Co., rugs 10 00	
John H. Pray, Sons, & Co., rugs 10 00 Whitney & Snow, mats, etc 11 51	
F. A. Higgins, cuspidors 2 50	
Amounts carried forward \$2,185 21	\$4,350 00
Amounts carried forward \$2,100 21	φ 1 ,οου υυ

Amounts brought forward	\$2,185 21	\$4,350 00
Jones, McDuffee, & Stratton, water cooler	_7 50	
Shepard, Clark, & Co., drinking cups and supplies	28 80	
E. Schuebeler, towels	4 95	
E. Schuebeler, towels	8 83	
M. A. Mann, laundering .	$\begin{array}{ccc} 12 & 00 \\ 12 & 00 \end{array}$	
Amelia H. Wood, repairing flag	4 50	
Amelia H. Wood, repairing flag G. W. Manning, repairing flagstaff . G. F. Matthews, carpentering	6 50 60 18	
	59 92	•
W. J. Fermoyle, setting glass Arthur C. Gordon, lettering	$\begin{array}{cc} 4 & 00 \\ 2 & 20 \end{array}$	
A. E. Googins, floor oil	$\frac{2}{1} \frac{20}{00}$	
Howe & Flint, copper conductors, etc	$\begin{array}{c} 2 & 20 \\ 1 & 00 \\ 109 & 15 \\ 12 & 79 \end{array}$	
Underhill Hardware Co., hardware W. E. Plumer & Co., hardware	6 88	
Charles L. Underhill, hardware Fred W. Farrar, repairing clocks	1 50	
Fred W. Farrar, repairing clocks	7 50	
W. F. Fleming, upholstering chair	1 50 7 50 2 50 1 95	
Jarvis Engineering Co., grates and fur-		
nace work	104 48 17 45	
Gracey & Potter, cleaning carpets	17 45 29 48	
F. T. Lord Polish Co., brass polish Knott & Co., electrical supplies	7 50 7 70	
Somerville Electric Light Co., lighting .	895 02	
Somerville Electric Light Co., rent of	00.50	
fans, etc	$\begin{array}{ccc} 29 & 79 \\ 21 & 65 \end{array}$	
Wellington-Wild Coal Co., fuel	478 34	
Cambridge Ice Co., ice	83 19 5 75	
George T. Day, expressing	70	
Wellington-Wild Coal Co., fuel Cambridge Ice Co., ice E. R. Perham, expressing George T. Day, expressing A. G. Renner, expressing Gilman Express, expressing	5 75 70 35 15	
Gilman Express, expressing	15	
E D C	\$4,221 41	
Excess and Deficiency, balance to credit of account	12 8 59	
		\$4,350 00
Public Buildings Maintenance, City Hall An	nev	
CREDIT.	nex.	
		\$775 00
Appropriations, from Taxes 1901 Public Library Addition, amount transferred		600 00
		\$1,375 00
		\$1,510 VV
DEBIT.	\$400.00	
Cash, paid James H. Chase, janitor G. F. Matthews, carpentering	\$420 00 26 99	
Amounts carried forward	\$446 99	\$1,375 00

### Public Buildings Maintenance, Fire Department. CREDIT. Appropriations, from Taxes 1901	Public Buildings Flaintenance, Fire Department. CREDIT. Appropriations, from Taxes 1901 \$4,500 00 DEBIT. Cash, paid Charles E. Berry, labor	Amounts brought forward Thomas McNee, repairing roof I. H. Brown Moulding Co., lumber. Charles L. Underhill, furnace poker Howe & Flint, plumbing Fred W. Farrar, repairing clock W. F. Flemming, cane seat Underhill Hardware Co., carpet sweeper, Henry A. Wheeler & Co., awnings Herbert Wood, lock and key Somerville Electric Light Co., lighting Cambridge Gas Light Co., gas Wellington-Wild Coal Co., fuel Excess and Deficiency, balance to credit of account	\$446 99 13 50 25 3 50 19 24 3 50 1 85 3 80 6 50 1 00 42 53 2 00 219 24 \$763 90 611 10	\$1,375 00
Cash, paid Charles E. Berry, labor \$7 85	CREDIT. Appropriations, from Taxes 1901		=	\$1,375 00
Cash, paid Charles E. Berry, labor \$7 85	CREDIT. Appropriations, from Taxes 1901	Public Buildings Maintenance, Fire Departm	ent.	
Cash, paid Charles E. Berry, labor \$7 85 I. H. Brown Moulding Co., lumber	Cash, paid Charles E. Berry, labor \$7 85 I. H. Brown Moulding Co., lumber 34 70 C. W. Stevens, lumber 9 90 John M. Woods & Co., lumber 11 28 W. P. Rice, lumber 2 91 G. D. B. Robinson, carpentering 40 23 John Stackpole, carpentering 281 67 J. H. Stevens, carpentering 8 37 W. A. Snow & Co., repairing stalls 50 00 T. Allen, concreting 70 80 Cunningham Iron Co., arch piece 7 48 Thomas McNee, roofing 179 10 D. P. Bucknam, mason work 27 00 Crosby Steam Gage & Valve Co., repairing gauge 1 25 W. H. Bullard, supplies 9 50 Jarvis Engineering Co., grates 60 00 J. W. Johnson, furnace work 7 00 Edward Kendall & Sons, calking boiler, 7 00 John B. Rufer, iron work 3 90 George H. Maynard, plumbing 9 90 H. W. Covell, plumbing 9 90 Armstrong Bros., pipe 16 53 Union Square Furniture Co., furniture, 21 75 Clarence G. Reed, whitening 8 85 F. E. Cushing, setting glass 2 50 George F. Hughes, setting glass 11 50 W. J. Logan, setting glass 12 50 Estate James Rawson, painting 3 25			
Cash, paid Charles E. Berry, labor	Cash, paid Charles E. Berry, labor			\$4.500.00
Cash, paid Charles E. Berry, labor	Cash, paid Charles E. Berry, labor		• • •	ψ1,000 00
Estate James Rawson, painting 3 25	A	Cash, paid Charles E. Berry, labor I. H. Brown Moulding Co., lumber C. W. Stevens, lumber John M. Woods & Co., lumber W. P. Rice, lumber G. D. B. Robinson, carpentering John Stackpole, carpentering John Stackpole, carpentering G. F. Matthews, carpentering J. H. Stevens, carpentering W. A. Snow & Co., repairing stalls T. Allen, concreting Cunningham Iron Co., arch piece Thomas McNee, roofing D. P. Bucknam, mason work Crosby Steam Gage & Valve Co., repairing gauge W. H. Bullard, supplies Jarvis Engineering Co., grates J. W. Johnson, furnace work Edward Kendall & Sons, calking boiler, E. B. Badger & Sons, repairing boiler, John B. Rufer, iron work George H. Maynard, plumbing H. W. Covell, plumbing Armstrong Bros., pipe Union Square Furniture Co., furniture, Clarence G. Reed, whitening F. E. Cushing, setting glass George F. Hughes, setting glass W. J. Logan, setting glass W. J. Logan, setting glass Estate James Rawson, painting E. S. Sparrow & Co., hardware	\$\frac{34}{9} 70 \text{9} 90 \text{11} 28 \text{2} 91 \text{40} 23 \text{14} 05 \text{281} 67 \text{8} 37 \text{50} 00 \text{70} 80 \text{748} \text{179} 10 \text{27} 00 \text{125} \text{950} \text{60} 00 \text{700} \text{43} 70 \text{700} \text{390} \text{990} \text{16} 53 \text{21} 75 \text{885} \text{250} \text{825} \text{11} 50 \text{12} 50 \text{325} \text{28} 38	

Amounts brought forward Howe & Flint, hardware Whitney & Snow, hardware J. A. Durell, hardware W. L. Snow, hardware W. E. Plumer & Co., hardware Underhill Hardware Co., hardware Bliss Bros., mast head truck The Mitchell Mfg. Co., stamp, etc. George E. Wyman, repairing clock Herbert Wood, lock work G. W. Manning, labor on flagstaff William E. Daniels, shades Wellington-Wild Coal Co., fuel Cambridge Gas Light Co., gas Somerville Electric Light Co., lighting, Electric Gas Lighting Co., supplies Charlestown Gas & Electric Co., lighting E. R. Perham, expressing Gilman Express, expressing Glines & Co., expressing City of Somerville, sewer assessment	$\begin{array}{c} \$1,004 & 00 \\ 29 & 32 \\ 21 & 25 \\ 6 & 98 \\ 7 & 39 \\ 6 & 00 \\ 2 & 50 \\ 1 & 00 \\ 9 & 25 \\ 2 & 00 \\ 75 \\ 31 & 50 \\ 25 & 05 \\ 1,522 & 87 \\ 156 & 50 \\ 776 & 66 \\ 11 & 30 \\ \\ \hline \\ 5 & 60 \\ 2 & 00 \\ 15 \\ 126 & 56 \\ \end{array}$	\$4,500 00
Highways, Maintenance account, labor on driveway	\$3,806 04	
of account	693 96	\$4,500 00
Public Buildings Maintenance, Health Depa	rtment.	
CREDIT.		#1 000 00
Appropriations, from Taxes 1901		\$1,000 00
Appropriations, from Taxes 1901 Debit.		\$1,000 00
Appropriations, from Taxes 1901 DEBIT. Cash, paid Arthur W. Berry, on account of		\$1,000 00
Appropriations, from Taxes 1901 DEBIT. Cash, paid Arthur W. Berry, on account of	\$623 73 40 00	\$1,000 00
Appropriations, from Taxes 1901 DEBIT. Cash, paid Arthur W. Berry, on account of contract	\$623 73 40 00 31 75	\$1,000 00
Appropriations, from Taxes 1901 DEBIT. Cash, paid Arthur W. Berry, on account of contract	\$623 73 40 00 31 75 118 61	\$1,000 00
Appropriations, from Taxes 1901 Cash, paid Arthur W. Berry, on account of contract	\$623 73 40 00 31 75	\$1,000 00
Appropriations, from Taxes 1901 Cash, paid Arthur W. Berry, on account of contract	\$623 73 40 00 31 75 118 61 17 88	\$1,000 00
Appropriations, from Taxes 1901 Cash, paid Arthur W. Berry, on account of contract	\$623 73 40 00 31 75 118 61 17 88	\$1,000 00
Appropriations, from Taxes 1901 Cash, paid Arthur W. Berry, on account of contract	\$623 73 40 00 31 75 118 61 17 88 3 27 52 70	\$1,000 00
Appropriations, from Taxes 1901 Cash, paid Arthur W. Berry, on account of contract	\$623 73 40 00 31 75 118 61 17 88 3 27 52 70 \$887 94	\$1,000 00
Appropriations, from Taxes 1901 DEBIT. Cash, paid Arthur W. Berry, on account of contract	\$623 73 40 00 31 75 118 61 17 88 3 27 52 70	\$1,000 00 \$1,000 00
Appropriations, from Taxes 1901 DEBIT. Cash, paid Arthur W. Berry, on account of contract	\$623 73 40 00 31 75 118 61 17 88 3 27 52 70 \$887 94	
DEBIT. Cash, paid Arthur W. Berry, on account of contract John P. Wahlstrom & Son, painting Thomas McNee, roofing G. F. Matthews, carpentering Wellington-Wild Coal Co, fuel Electric Gas Lighting Co., electrical supplies Somerville Electric Light Co., lighting Excess and Deficiency, balance to credit of account Public Buildings Maintenance, Highways.	\$623 73 40 00 31 75 118 61 17 88 3 27 52 70 \$887 94	
Appropriations, from Taxes 1901 DEBIT. Cash, paid Arthur W. Berry, on account of contract	\$623 73 40 00 31 75 118 61 17 88 3 27 52 70 \$887 94	\$1,000 00
DEBIT. Cash, paid Arthur W. Berry, on account of contract John P. Wahlstrom & Son, painting Thomas McNee, roofing G. F. Matthews, carpentering Wellington-Wild Coal Co, fuel Electric Gas Lighting Co., electrical supplies Somerville Electric Light Co., lighting Excess and Deficiency, balance to credit of account Public Buildings Maintenance, Highways.	\$623 73 40 00 31 75 118 61 17 88 3 27 52 70 \$887 94	

•		
Amount brought forward		\$500 00
minu maney, rene		130 00
	-	\$630 00
DEBIT.		
Cash, paid John Stackpole, carpentering .	\$437 55	
Thomas McNee, roofing	19 15 108 51	
	\$565 21	
Excess and Deficiency, balance to credit		
of account	64 79	\$630 00
	=	
Public Buildings Maintenance, Police.		
CREDIT.		
Appropriations, from Taxes 1901	• •	\$3,500 00
Cash, received of J. O. Hayden, county treasurer, rent of court room	\$600 00	
Commonwealth of Massachusetts, rent of	·	
armory	50 00	650 00
	-	\$4,150 00
Excess and Deficiency, balance to debit		• •
of account		5 99
		\$4,155 99
DEBIT.		
Cash, paid Frank Miller, services as janitor	\$850 00	
F. P. Bartlett, janitor	$\begin{array}{ccc} 146 & 00 \\ 36 & 00 \end{array}$	
George W. Coombs, janitor	20 00	
A. Robinson, labor	62 00	
F. A. Higgins, labor	$\begin{array}{c}2\ 10\\395\ 55\end{array}$	
Whitney & Snow, hardware	95 24	
Howe & Flint, hardware	$27 \ \overline{97}$	
W. E. Plumer & Co., hardware	19 89	
C. W. Lerned Co., disinfectant	111 25	
Royal Cross Chemical Co., disinfectant R. S. Downe, insecticide	$\begin{array}{cc} 3 & 00 \\ 10 & 00 \end{array}$	
Union Glass Co., globe	50	
Union Square Furniture Co., furniture,	12 43	
Albert C. Lyman, upholstering	7 00	
Raphael Masstrangialo, blankets E. Schuebeler, towels	$\begin{array}{ccc} 34 & 50 \\ 5 & 50 \end{array}$	
Thomas W. Gleeson, electrical supplies, Electric Gas Lighting Co., electrical	2 00	
supplies	22 27	
Herbert Wood, electrical work	4 50	
Amounts carried forward	\$1,867 70	\$4,155 99

CREDIT. Appropriations, from Taxes 1901	J. Q. Twombly, painting Derby Desk Co., repairs Thomas F. Martin, repairs M. P. Canfield, gardening and seed G. D. B. Robinson, carpentering G. F. Matthews, carpentering A. F. McMillan, stove work D. P. Bucknam, mason work Thomas McNee, roofing Alfred H. Hines, making bulkhead, etc. A. A. Sanborn, steam fitting L. M. Ham & Co., iron work John Kennedy, plaster work Gas Consumers' Association, gas regulation Cambridge Gas Light Co., gas Somerville Electric Light Co., lighting, Wellington-Wild Coal Co., fuel	\$867 70 \$119 39 \$5 50 \$3 85 \$6 25 239 23 \$64 62 \$14 62 \$50 35 \$572 80 \$71 15 \$58 64 \$13 80 \$50 40 \$24 00 \$460 00 \$35 82 \$497 87	\$4,155 99 \$4,155 99
Appropriations, from Taxes 1901	Public Buildings Maintenance, Public Grounds.		
DEBIT. Cash, paid C. W. Stevens, carpentering . \$15 60 Wellington-Wild Coal Co., fuel . 4 75 H. Wood, keys 1 15 Excess and Deficiency, balance to credit of account			
Cash, paid C. W. Stevens, carpentering . \$15 60 Wellington-Wild Coal Co., fuel	Appropriations, from Taxes 1901		\$100 00
Wellington-Wild Coal Co., fuel	DEBIT.		
Excess and Deficiency, balance to credit of account			
Excess and Deficiency, balance to credit of account			
Excess and Deficiency, balance to credit of account	11. Wood, keys		
Public Buildings Maintenance, Public Library. CREDIT. Appropriations, from Taxes 1901 \$3,500 00 Cash, received of Public Library Addition account, cork carpet	To a description of the second	\$21 50	
Public Buildings Maintenance, Public Library. CREDIT. Appropriations, from Taxes 1901		78 50	
CREDIT. Appropriations, from Taxes 1901			\$100 00
CREDIT. Appropriations, from Taxes 1901			
CREDIT. Appropriations, from Taxes 1901			
Appropriations, from Taxes 1901 Cash, received of Public Library Addition account, cork carpet DEBIT. Cash, paid Charles A. Southwick, services as janitor			
Cash, received of Public Library Addition account, cork carpet			40 F00 00
Cash, paid Charles A. Southwick, services as janitor	Appropriations, from Taxes 1901	nt, cork	\$3,500 00
Cash, paid Charles A. Southwick, services as janitor			294 92
Cash, paid Charles A. Southwick, services as janitor			\$3,794 92
Cash, paid Charles A. Southwick, services as janitor	DEDICA		
as janitor			
extra labor			
John H. Pray, Sons, & Co., carpets J. H. Keenan Co., change in delivery room Boston Bamboo Co., furniture William E. Daniels, shades 294 92 290 00 34 40 4 20	extra labor		
J. H. Keenan Co., change in delivery room	Iohn H. Pray. Sons. & Co., carpets		
Boston Bamboo Co., furniture 34 40 William E. Daniels, shades	J. H. Keenan Co., change in delivery	200 00	
William E. Daniels, shades 4 20			
Amounts carried forward \$1.655 57 \$3,794 92			
Timounts carried for ward	Amounts carried forward \$	1,655 57	\$3,794 92

Amounts brought forward A. A. Sanborn, steam heating Bradley & Chatman, heating Loring & Phipps, plans J. Q. Twombly, painting G. F. Matthews, carpentering Underhill Hardware Co., hardware Howe & Flint, hardware G. W. Manning, labor M. F. Underwood, electrical work Electric Gas Lighting Co., supplies Somerville Electric Light Co., lighting, Cambridge Gas Light Co., gas Wellington-Wild Coal Co., fuel	\$1,655 57 9 55 175 00 25 00 13 20 41 38 26 21 4 53 6 25 4 50 1 12 1,234 08 92 20 425 70	\$3,794 92
France and Deficiency belows to small of	\$3,714 29	
Excess and Deficiency, balance to credit of account	80 63	
		<u>\$3,794_92</u>
Dublic Duildings Maintanance Caboolhouses		
Public Buildings Maintenance, Schoolhouses	•	
Appropriations, from Taxes 1901		\$42,500 0 0
Cash, received of N. H. Reed & Son, old	Ф.41. ОТ	Ψ12,000 00
P. Sutherland & Co., empty cans	\$41 97 9 40	
Daughters of Maine Club, lighting	6 00	F. 7. 7. 7. 7. 7. 7. 7. 7. 7. 7. 7. 7. 7.
		57 37
Excess and Deficiency, balance to debit of		\$42,557 37
account		6,560 71
		\$49,118 08
DEBIT.		¥ == ,
Cash, paid janitors' salaries	\$20,354 69 23 25	
Works, furniture	809 83	
Allen Shade Holder Co., shade holders . William E. Daniels Co., shade work .	$\begin{array}{ccc} 10 & 00 \\ 7 & 79 \end{array}$	
I. H. Brown Moulding Co., moulding .	30 15	
Murphy, Leavens, & Co., brush Charles A. Austin Brush Co., brushes .	$\begin{array}{cc}2&25\\75&00\end{array}$	
Packard & Burrill, flue brushes	2 50	,
Prescott Brothers, mop wringer E. S. Kearney, sawdust	$\begin{array}{c}2 50\\10 50\end{array}$	
W. H. Bullard, barrels	45	
W. S. Burbank, sawdust	$\begin{array}{c}4 & 50 \\ 2 & 25\end{array}$	
J. K. James, cleaning material	4 50	
Mrs. R. E. Wilton, cleaning	2 3 8 1 5 0	
Mrs. Sarah A. Durgin, flags	$\begin{array}{c} 36 \ 00 \\ 1 \ 00 \end{array}$	
W. L. Snow, plumbing	$35 \ 40$	
Amounts carried forward	\$21,416 44	\$49,118 08

	^ 24 442 44	A 10 1310 00
Amounts brought forward E. S. Sparrow & Co., hardware Derby Desk Co., furniture W. F. Flemming, cane seats Heywood Brothers & Wakefield Co., chairs W. G. Hallock, floor brushes Shepard, Clark, & Co., dusters and mops Charles A Austin & Co., dusters	\$21,416 44	\$49,118 08
E. S. Sparrow & Co., hardware	123 00	
Derby Desk Co., turniture	64 95	
W. F. Flemming, cane seats	27 60	
Heywood Brothers & Wakefield Co.,		
chairs	34 75	
W. G. Hallock, floor brushes	90 00	
Shepard, Clark, & Co., dusters and mops	146 26	
Charles A. Austin & Co. dusters	12 80	
Roston Feather Duster Co. dusters	80 38	
Charles Weston sawdust	1 00	
Ruscall & Co. canadust	2 61	
William T. Hinging alconing	0 0 1	
Cutton Wood & Current Co. Latting.	0 10 40 00	
Cutter, wood, & Stevens Co., beiting .	40 29	
John H. Adcock, plumbing	41 10	
Edwin Connell, plumbing	8 40	
J. G. Call, whitewashing	2.50	
J. E. Parsons, plumbing	18 53	
James F. Davlin, plumbing	15 95	
Howe & Flint. plumbing	628 12	
Julian D'Este & Co., plumbing	72 30	
Asbestos Paper Co., covering pipes	85 00	
Shepard, Clark, & Co., dusters and mops Charles A. Austin & Co., dusters Boston Feather Duster Co., dusters Charles Weston. sawdust Russell & Co., sawdust Wiiliam T. Higgins, cleaning Cutter, Wood, & Stevens Co., belting John H. Adcock, plumbing Edwin Connell, plumbing J. G. Call, whitewashing J. E. Parsons, plumbing J. E. Parsons, plumbing Howe & Flint, plumbing Julian D'Este & Co., plumbing Asbestos Paper Co., covering pipes J. A. Durell, gasfitting A. A. Sanborn, steamfitting Isaac Coffin & Co., steamfitting	176 38	
A A Sanborn stanifitting	734 62	
Trans Coffin & Constrainting	907 61	
T W Talanan francisco de la constanting	Z01 01 50 00	
J. W. Johnson, furnace work	19 60	
J. W. Johnson, furnace work	701 85	
Arthur W. Berry, carpentering G. F. Matthews, carpentering	9 05	
G. F. Matthews, carpentering	624 22	
A. M. Waining, carpentering	163 75	
William A. Henderson, carpentering	7 94	
George W. Manning, repairing flagstaffs,	$156 \ 15$	
Thomas Dowd, plaster work	76 00	
Thomas McNee, roofing	262 85	
F. F. Seavey roofing	18 19	
F Horne mason work	169 47	
F. E. Seavey, roofing	75 40	
I O Twombly class	1 75	
J. Q. I Wollibly, glass	95 75	
J. F. Derton, setting grass	49 19	
George S. Perry & Co., glass	14 20	
W. J. Fermoyle, painting and glazing .	197 50	
THE COLUMN TO THE STATE OF THE		
Donnelly & Co., plumbing	6 58	
George F. Hughes, setting glass	60	
C. L. Underhill, furnace pokers	8 50	
A. F. McMillan, furnace work	185 04	
I. B. Walker, furnace work	17 25	
J. A. Merrifield, furnace work	31 43	
John B. Rufer, repairing poker	90	
Boston Blower Co., repairing engine	41 33	
D. P. Bucknam, repairing fire box	285 75	
	2 60	
D. A. McLean & Co., repairing tank	2 00	
Gas Consumers' Association, gas regu-	38 00	
lation		
Cambridge Gas Light Co., gas	514 80	
Charlestown Gas & Electric Co., gas .	499 36	
Somerville Electric Light Co., lighting.	711 23	
Electric Gas Lighting Co., supplies	200 50	
Moulton C. Libby, repairing clocks .	50 00	
Amounts carried forward	\$29,286 94	\$49,118 08

	+00.000.01	
Amounts brought forward Fred W. Farrar, repairing clocks	\$29,286 94	\$49,118 08
Fred W. Farrar, repairing clocks	$ \begin{array}{ccc} 85 & 00 \\ 207 & 37 \end{array} $	
W. E. Plumer & Co., hardware Underhill Hardware Co., hardware	$207 \ 37$	
Underhill Hardware Co., hardware.	317 14	
Whitney & Snow hardware	193-66	
M. F. Underwood, keys Herbert Wood, lock work Armstrong Brothers, valves Alexander Duncan & Co., repairing heat-	$\begin{array}{ccc} 61 & 97 \\ 21 & 20 \end{array}$	
Herbert Wood, lock work	21 20	
Armstrong Brothers, valves	4 70	
Alexander Duncan & Co., repairing heat-		
Johnson Electric Service Co., repairing	32 32	
heating apparatus	20 62	
heating apparatus	169 80	
Vnott & Co. cas and electric fixtures	141 00	
Knott & Co., gas and electric fixtures Bliss Brothers, mast head truck Merriman Brothers, truck and shoe Harris P. Tibbetts, building fence	1 00	
Manipus Prothers trust and shoe	1 00	
Merrinian Brothers, truck and snoe .	1 44 41	
Harris P. Hibbetts, building tence	144 41	
D. L. Wood, expressing	48 25	
Glines & Co., expressing	33 81	
E. R. Perham, expressing	14/52	
T. H. Fitzpatrick, expressing	3 50	
D. & W. Somerville Express, expressing,	2.50	
Gilman Express, expressing	1 50	
T. H. Fitzpatrick, expressing D. & W. Somerville Express, expressing, Gilman Express, expressing J. H. Grundy, expressing George T. Day, expressing Patrick Bowdren, care of grounds Hartford Steam Boiler Inspection & In-	50	
George T. Day, expressing	75	
Patrick Bowdren, care of grounds	168 00	
Hartford Steam Boiler Inspection & In-	100 00	
surance Co insurance	73 62	
Henry A Wheeler & Co ensigns	63 74	
O M Gravey cleaning corpots	9 95	
Office Deals & Library Co. cords	21 Q9	
surance Co., insurance	0± 00 12 00	
A. W. Daker, Diackboards	10 20	
J. E. Bell, slated paper	10 32	
George S. Perry & Co., ink wells	60 00	
J. L. Hammett & Co., ink wells	21 75	
Bucknam & McCarthy, dinners	25 50	
D. W. Crocker, use of landaus	14 00	
T. Allen, concreting	576 03 34 47	
Gracey & Potter, cleaning carpets	34 47	
Albert C. Lyman, cleaning carpets. William F. Eccles, cleaning carpets Nathan H. Reed & Son, castings.	3 24	
William F. Eccles, cleaning carpets .	5 02	
Nathan H. Reed & Son, castings	24 85	
A. B. Robbins, iron gates	60 00	
Neemes Brothers, grates	111 32	
Jarvis Engineering Co., grates	6 65	
Roberts Iron Works Co., iron plates .	18 63	
A. J. Wallace, painting	18 35	
John P. Wahlstrom & Son, painting	$137 \ 50$	
I A Stayone pointing.	285 00	
J. A. Stevens, painting	3 80	
John Falsan, painting		
Arthur C. Gordon, painting	8 46	
G. A. Waiker, painting and plaster work,	288 79	
G. G. Stillman, packings	12 10	
Sanitas Co., disinfectant	67 50	
Wellington-Wild Coal Co., fuel	13,750 70	
William H. Wood & Co., lumber	71 02	
T. E. Littlefield, lumber	28 91	
John M. Woods & Co., lumber	18 18	
Clarence W. Stevens, laying floors .	865 15	
Amounts carried forward	\$47,695 03	\$49,118 08
	•	

Amounts brought forward Thomas F. Martin, change in sanitaries, John Silk, loam William S. Ward, oil and soap W. H. Bullard, oil and soap Curtis Davis & Co., soap Lawler & Freeto, soap C. E. Delano, oil Lever Brothers, soap powder Norfolk Mfg. Co., soap powder P. Sutherland & Co., cotton waste, etc., Citizen Co., printing City of Somerville, sidewalk assessments, Highways Maintenance account, drive- ways	\$47,695 03 650 00 11 00 1 64 4 75 15 25 3 52 1 70 11 25 4 38 48 78 4 75 208 65	\$49,118 08
Sidewalks Construction, sidewalk	206 70	\$49,118 08
Public Buildings Maintenance, Sewer Departments of the CREDIT. Appropriations, from Taxes 1901	rtment.	\$100 00
DEBIT.		\$100 00
Cash, paid Wellington-Wild Coal Co., fuel.	\$13 13	
Excess and Deficiency, balance to credit of account	86 87	\$100 00
Public Buildings Maintenance, Support of l	Poor.	
Public Buildings Maintenance, Support of I	Poor.	
	Poor.	\$92 5 00
CREDIT.	Poor.	\$92 5 00
CREDIT. Appropriations, from Taxes 1901	\$22 45 1 75 27 00 6 60 5 75 1 08 33 195 61 1 30 257 43	\$9 25 00
CREDIT. Appropriations, from Taxes 1901 DEBIT Cash, paid Arthur W. Berry, carpentering . J. F. Berton, setting glass	\$22 45 1 75 27 00 6 60 5 75 1 08 33 195 61 1 30 257 43 \$519 30	\$9 25 00
CREDIT. Appropriations, from Taxes 1901 DEBIT Cash, paid Arthur W. Berry, carpentering . J. F. Berton, setting glass	\$22 45 1 75 27 00 6 60 5 75 1 08 33 195 61 1 30 257 43	\$925 00·
CREDIT. Appropriations, from Taxes 1901 DEBIT Cash, paid Arthur W. Berry, carpentering . J. F. Berton, setting glass	\$22 45 1 75 27 00 6 60 5 75 1 08 33 195 61 1 30 257 43 \$519 30 405 70	
CREDIT. Appropriations, from Taxes 1901 DEBIT Cash, paid Arthur W. Berry, carpentering . J. F. Berton, setting glass	\$22 45 1 75 27 00 6 60 5 75 1 08 33 195 61 1 30 257 43 \$519 30 405 70	\$925 00
CREDIT. Appropriations, from Taxes 1901	\$22 45 1 75 27 00 6 60 5 75 1 08 33 195 61 1 30 257 43 \$519 30 405 70	

Amount brought forward	\$150 00
	•
DEBIT.	
Cash, paid Thomas McNee, roofing \$10 30	
John P. Wahlstrom & Son, glass 27 00	
Howe & Flint, plumbing	
Somerville Electric Light Co., lighting . 77 65	
\$120 80	
Excess and Deficiency, balance to credit of	
account	A1 F0 00
	\$150 00
Public Grounds.	
• CREDIT.	
Appropriations, from Taxes 1901	\$9,500 00
Cash, received of Public Grounds, Athletic Apparatus ac-	
count, athletic apparatus, etc	114 11
	\$9,614 11
	φο,014 11
DEBIT.	
Cash, paid laborers	
Barber Asphalt Paving Co., use of roller, 16 75	
J. O. Goodwin, gravel	
Joseph Breck & Sons Corporation, lawn	
dressing	
ding	
J. W. Howard, flower beds 814 24	
McCarthy & Gill, teaming and labor . 1,038 15	
Harris P. Tibbetts, labor, etc 31 46	
James Tevlin, use of teams 156 16	
William J. McCarthy, use of teams 62 00	
G. W. Manning, labor	
H. Wood, labor 9 10 George W. Prichard, use of horse	
Arthur W. Berry, carpentering	
F. C. Ayer, lumber 40 13	
Jordan, Marsh, & Co., flag 16 00	
Mrs. A. H. Wood, repairing flag 2 50	
Leopold Morse & Co., clothing 87 25	
A. H. Pinkham, rubber boots	
Cornelius Callahan Co., repairing hose . 3 50 D. J. Bennett, oil covers, etc 13 00	
Ames Plow Co., snow plow, etc	
Underhill Hardware Co., mowers	
J. A. Durell, tools	
Whitney & Snow, tools 101 26	
C. L. Underhill, tools 9 40	
Charles E. Berry, tools	
I. B. Walker, wrenches, etc	
Joseph Young, repairing mowers	
John R. Thompson, repairing mowers . 3 75	
Bliss Brothers, hardware 1 24	
E. S. Sparrow & Co., paint, etc 36 74	
Amounts corried formers	¢0 ¢14 11
Amounts carried forward \$8,716 20	\$9,614 11

Public Grounds Athletic Apparatus. CREDIT.	Amounts brought forward G. A. Walker, painting Arthur C. Gordon, lettering M. D. Jones & Co., settees Spalding Mfg. Co., athletic apparatus John Kelley, foundation stand pipe Somerville Journal Co., cards Highland Coal Co., lime Wellington-Wild Coal Co., fuel Jairus Mann, disbursements George E. Ricker, refreshments J. H. Thompson. carriage hire Gilman Express Co., expressing American Express, expressing City of Somerville, sidewalk assessment Fire Department, hose Highways Maintenance account, crushed stone Highways, Watering Streets, watering boulevard Excess and Deficiency, balance to credit of	\$8,716 20 53 60 3 00 98 40 79 00 50 00 5 00 2 00 12 73 21 75 5 00 15 00 7 00 1 25 15 258 70 90 00 31 15 160 00 \$9,609 93	\$9,614 11
DEBIT. St,000 00	account	4 18	\$9,614 11
DEBIT. St.,000 00			
Cash, paid Spalding Mfg Co., outdoor gymnasium			\$1,000 00
CREDIT. Balance from 1900	Cash, paid Spalding Mfg Co., outdoor gynnasium	$ \begin{array}{r} 12 & 75 \\ 3 & 31 \\ 2 & 50 \\ 30 & 88 \end{array} $ $ \begin{array}{r} 114 & 11 \\ \hline \$988 & 55 \end{array} $	\$1,000 00
Cash, paid McCarthy & Gill, grading \$753 95 Balance to credit of account, 1902 2,246 05		seven.	
Cash, paid McCarthy & Gill, grading \$753 95 Balance to credit of account, 1902 2,246 05	Balance from 1900		\$3,000 00
	Cash, paid McCarthy & Gill, grading		\$3,000 00

CREDIT.	Public Grounds, Land for Park Purposes.		
Cash, paid Frederic H. Rindge, land \$1,259 70 240 30 \$1,500 00	. CREDIT.		
Cash, paid Frederic H. Rindge, land \$1,259 70 240 30 \$1,500 00	Balance from 1900		\$1,500,00
Cash, paid Frederic H. Rindge, land		• •	φ1,000 09
Public Grounds, Land on Prospect Hill for Park Purposes. CREDIT.		44 0F0 F0	
S1,500 00			
CREDIT. Salance from 1900			\$1,500 00
CREDIT. Salance from 1900			
CREDIT. Salance from 1900	Public Grounds, Land on Prospect Hill for	Park Purpo	ses.
DEBIT.		•	
DEBIT.			\$15,000,00
Cash, paid Stillman H. Libby, negotiating for land		• • •	φ10,000 00
for land			
Edward A.¹ Binney, appraising		00 00	
Davis & Briggs, appraising		1	
Sanford Joyce, commission 200 00	Davis & Briggs, appraising	10 00	
Sanford Joyce, commission 200 00	Joseph J. Giles, appraising		
Salance to credit of account, 1902	Sanford Toyce, commission		
Prospect Hill Park. CREDIT. Appropriations, amount appropriated by borrowing on Funded Debt account	, , , , , , , , , , , , , , , , , , ,		
Prospect Hill Park. CREDIT. Appropriations. amount appropriated by borrowing on Funded Debt account	Balance to gradit of account 1002		
Prospect Hill Park. CREDIT. Appropriations, amount appropriated by borrowing on Funded Debt account	Balance to credit of account, 1902		\$15,000 00
Appropriations, amount appropriated by borrowing on Funded Debt account			
Appropriations, amount appropriated by borrowing on Funded Debt account	D 4 1111 D 1		
Appropriations, amount appropriated by borrowing on Funded Debt account	Prospect Hill Park.		
Funded Debt account	CREDIT.		
Public Library. CREDIT. Appropriations, from Taxes 1901 \$14,000 00 Cash, received of county treasurer, return on amount received of the city for dog licenses in 1900	Appropriations, amount appropriated by born	cowing on	
Public Library. CREDIT. Appropriations, from Taxes 1901 \$14,000 00 Cash, received of county treasurer, return on amount received of the city for dog licenses in 1900 \$2,962 60 County treasurer, fines	Funded Debt account	•	\$7,500 00
Public Library. CREDIT. Appropriations, from Taxes 1901 \$14,000 00 Cash, received of county treasurer, return on amount received of the city for dog licenses in 1900 10 00 County treasurer, fines	DEBIT.		
Public Library. CREDIT. Appropriations, from Taxes 1901 \$14,000 00 Cash, received of county treasurer, return on amount received of the city for dog licenses in 1900 10 00 County treasurer, fines			\$7,500,00
Appropriations, from Taxes 1901 \$14,000 00 Cash, received of county treasurer, return on amount received of the city for dog licenses in 1900 \$2,962 60 County treasurer, fines 10 00 Sam Walter Foss, librarian, fines	Barance to credit of account, 1002	• • •	\$1,000,00
Appropriations, from Taxes 1901 \$14,000 00 Cash, received of county treasurer, return on amount received of the city for dog licenses in 1900 \$2,962 60 County treasurer, fines 10 00 Sam Walter Foss, librarian, fines			
Appropriations, from Taxes 1901	Public Library.		
Cash, received of county treasurer, return on amount received of the city for dog licenses in 1900	CREDIT.		
Cash, received of county treasurer, return on amount received of the city for dog licenses in 1900	Appropriations, from Taxes 1901		\$14,000,00
licenses in 1900	Cash, received of county treasurer, return on		411, 000 00
County treasurer, fines	amount received of the city for dog	#0.000.00	
Sam Walter Foss, librarian, fines			
Books	Sam Walter Foss, librarian, fines		
Dodd, Mead, & Co., bill previously paid . 3 40 3,398 18	Catalogues		
3,398 18	Dodd. Mead. & Co., bill previously paid		
Amount carried forward \$17,308,18	pada, a co., our proviously paid .		3,398 18
- 11110 tall tall tall tall tall tall tall tal	Amount carried forward		\$17,398 18

DEBIT.

\$17,398 18

Amount brought forward . . .

DEBIT.		
Balance from 1900	\$8 01	
Cash, paid D. Appleton & Co., books	$12\overline{54}$	
Damrell & Upham, books	${6}$ ${75}$	
Dodd, Mead, & Co., books	12 80	
Dodd, Mead, & Co., books	29 50	
Ginn & Co., books	• 4 28	
Lee & Shepard books	81 50	
Lee & Shepard, books	7 25	
H. W. Wilson, books	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	
D. Sterning, Dooks		
Publishers' Weekly, books	26 50	
S. J. Parkhill & Co., books	1 75	
Joel Munsell's Sons, books Little, Brown. & Co., books	16 70	
Little, Brown. & Co., books	3,7 58 28	
National Publishing Co., books	98	
National Municipal League, books	7 00	
Macmillan Co., books	5 00	
Francis P. Harper, books	26 95	
W. A. DePew, books	65 00	
Boston Book Co., books	2 50 3 00 36	
R F Rishee hooks	3 00	
R. E. Bisbee, books	96	
Cumulatina Indaa Ca haalaa	90	
Cumulative Index Co., books	8 00	
A. L. Caldwell, books	34 75	
W. F. Adams, books	10 20	
J. Herbert Thompson, books	10 00	
Charles Scribner's Sons, books	25 14	
Charles E Lauriat Co books	90 65	
Lewis G. Janes, books	1 00	
Lewis G. Janes, books	22 00	
A. L. Haskell, books	2.50	
William B. Harrison, books	2 50 3 00 2 00 5 00	
W. A. Greenough & Co., books	3 00	
H Rarnard books	2 00	
H. Barnard, books	5 00	
C. A. INICHOIS CO., BOOKS	1 15	
John B. Peaslee, books		
C. B. Watson, books	2 50	
Burnham Art Book Store, books	9 90	
DeWolfe, Fiske Co., books	27 65	
D. C. Heath & Co., books	12 96	
C. F. Libbie & Co., books	42 61	
George E. Littlefield, books	132 87	
National Educational Association, books	2 00	
Sibley & Decker, books	10 00	
James T. White & Co., books	1 00	
Baker, Taylor, & Co., books	$76\overset{\circ}{14}$	
Desmond Publishing Co., books	$1\dot{1}\dot{2}\ \dot{0}\dot{0}$	
	13 38	
F. W. Faxon, books	20 15	
Forbes Library, books		
C. Francis Jenkins, books	50	
Julius Kuhlman, books	6 00	
Joseph McDonough, books	20 00	
George D. Morse, books	32.75	
George H. Walker & Co., books	15 00	
W. H. Chick, books	5 00	
D. E. Frost, books	5 75	
Oliver Ditson Co., books	94 90	
Amounts carried forward	\$4,939 10 \$17,	398 18
	γ-1,	

Amounts brought forward	\$4,939 10	\$17,398 18
Balch Brothers, books John Moore, books A. L. Merriam, books	2 80 3 50	
John Moore, books	3 50	
	· 2 25	
R. B. Graham, books	5 20 35 3 00	
Emily B. Smith, books	35	
F. S. Blanchard & Co., books	3 00	
Woodward & Lothrop, books	75 10 50	
George W. Humphrey, books	10 50	
William Abbott, books	117 1717	
William Addott, dooks	2 00 1 50 1 50 9 50 8 00	
E. L. Bowker, books	1 50	
Harry Holt, books	0.50	
W R Rradford books	8 00	
	7 00	
Goodspeed's Bookshop, books	7 00 3 00 1 36 5 50	
Cassell & Co. books	1 36	
Cassell & Co., books	5 50	
J. Q. Adams & Co., books	15 00	
James H. Lamb & Co., books	$\begin{array}{c} 15 & 00 \\ 7 & 00 \\ 12 & 30 \\ 2 & 00 \end{array}$	
Congdon & Britnell, books	12 30	
Fred W. Tibbetts, books	3 00	
Charles H. Pope, books	12 00	
Charles H. Pope, books	$\frac{12}{2} \frac{00}{50}$	<u> </u>
I B Millett Co., books	$3\overline{7}$ $5\overline{0}$	
J. B. Millett Co., books	30 00	•
C. E. Grosvenor, books	4 85	
C. E. Grosvenor, books	$\stackrel{\circ}{2}$ $\stackrel{\circ}{25}$	
American Thresherman, books	4 85 2 25 67 2 60	•
American Book Co., books	2 60	
Sago Matsumoto, books	$\frac{1}{4} \frac{1}{70}$	
	1 00	
William H. Guild & Co., periodicals	353 13	
Massachusetts Society of Mayflower De-		
scendants, periodical	2 00 1 00 1 00	:
Writer Publishing Co., periodical	1 00	
Medford Historical Society, periodical .	1 00	
Bostonian Society, periodicals	4 50	
American Architectural & Building News		
Co., periodicals	6 00	1
Photo Era Publishing Co., periodicals .	3 00	
John Lane, periodicals	10 00	
George T. Bailey, periodicals	49 04	
C. M. Blake, periodicals	6 00	
Essex Institute, periodicals	20 70	
Youth & Age Publishing Co., periodicals,	30	
W. S. Houghton, periodicals	3 00	
Topsfield Historical Society, periodicals,	3 12	
Boston Transcript Co., periodicals .	1 26	
George E. Whitaker, periodicals	1 25	
Library Press, periodicals	1 00	
George D. Smith, periodicals	1 00	
David Farquahar, binding books	1,388 83	
Knickerbocker Press, binding books .	54 78	
F. J. Barnard & Co., binders	8 30	
C. H. Dunton & Co., pictures	30 95	
Library Art Club, pictures	$\frac{5}{5} \frac{00}{70}$	
Boston Music Co., music	5 78	
Amounts carried forward	\$7,113 12	\$17,398 18
our for that u , , ,	ψ1,110 12	ф11,000 10

Arthur P. Schmidt, music. Library of Congress, cards A. L. A. Publishing Co., cards Library Bureau, cards Olin S. Davis, pockets Office, Bank, & Library Co., supplies Thomas Groom & Co., stationery Hammond Typewriter Co., supplies Somerville Journal Co., printing Citizen Co., printing Somerville Post-office, postage Library Bulletin Co., postage Library Bulletin Co., postage W. F. Flemming, repairs M. F. Underwood, repairs G. F. Matthews, repairs Underhill Hardware Co., hardware E. A. Googins, oil Cambridge Ice Co., ice First Unitarian Society, rent of hall New England Telephone & Telegraph Co., rentals and tolls Charles A. Southwick, labor James Wilson, agency S. Louise Chandler, agency S. A. Riker, agency Abbie A. Cross, agency Herbert E. Bowman, agency E. R. Perham, expressing Gilman Express, expressing Gilman Express, expressing Thorpe's Express, expressing J. H. Grundy, expressing Glines & Co., expressing Sam Walter Foss, salary as librarian disbursements Adele Smith, assistant librarian	$\begin{array}{c} 21 & 65 \\ 109 & 25 \end{array}$	
Olin S Davis nockets	90.00	
Office, Bank, & Library Co., supplies	1 64	
Thomas Groom & Co., stationery	59 05	
Hammond Typewriter Co., supplies	8 96	
Somerville Journal Co., printing	323 85	
Citizen Co., printing	102 40	
Somerville Post-office, postage	30 00	
Library Bulletin Co., postage	, 9 08	
W. F. Flemming, repairs	9 75	
M. F. Underwood, repairs	4 45	
Underbill Hardware Co. hardware	5 25 1 00	
F A Googins oil	1 90	
Cambridge Ice Co. ice	36 10	
First Unitarian Society, rent of hall	15 00	
New England Telephone & Telegraph	10 00	
Co., rentals and tolls	88 45	
Charles A. Southwick, labor	75 82	
James Wilson, agency	102 - 64	
S. Louise Chandler, agency	39 05	
S. A. Riker, agency	24 61	
Abbie A. Cross, agency	16 19	
Herbert E. Bowman, agency	$\frac{9}{120} \frac{17}{21}$	
E. R. Perham, expressing	123 64	
C. R. Taylor, expressing	110 49	
Gilman Express, expressing	105 50	
Thomas Express, expressing	12 13	
T. H. Grundy expressing	5 70 1 70	
Glines & Co expressing	15	
Sam Walter Foss, salary as librarian	2.499 64	
disbursements Adele Smith, assistant librarian F. Mabel Norcross, cataloguer Esther M. Mayhew, assistant cataloguer, Anna L. Stone, assistant Mary J. Warren, assistant	90 27	
Adele Smith, assistant librarian	624 99	
F. Mabel Norcross, cataloguer	525 03	
Esther M. Mayhew, assistant cataloguer,	490 11	
Anna L. Stone, assistant	500 04	
Mary J. Warren, assistant	500 04	
Mabel E. Bunker, assistant	969-96	
Mary S. Woodman, assistant	483 36	
Edith B. Hayes, assistant	399 96 308 33	
Florence D. Hurter, assistant	283 32	
Bessie L. Duddy, assistant	16 66	
F. Edward Kaula, assistant	334 65	
Aubrey A. Hills, assistant	49 46	
Charles F. Shepard, assistant	174 05	
Gardner Stacy, assistant	175 11	
David Countway, assistant	77 14	
Nellie M. Whipple, assistant	138 08	
Joseph Storey, assistant	38 35	
	440.000	
	\$16,889 93	
Amounts comical formal	¢16,000,00	¢17.200_10
Amounts carried forward	\$16,889 93	\$17,398 18

	\$16,889	93 \$17,398 18
Isaac Pitman Library Fund, Investment account, amount transferred	287 8	50
·		_
Balance to credit of account, 1902	\$1 7 ,177 4	
•		\$17,398_18
Public Library Addition.		
CREDIT.		
Balance from 1900	owing o	. \$133 76
Funded Debt account	• •	8,000 00
		\$8,133 76
DEBIT.		4-7
Cash, paid A. B. & W. T. Westervelt, book		
stacks	\$4,200	00
G. F. Matthews. on account of contract, C. W. Stevens. carpentering	1,052 1 27 (
C. L. Underhill, wrenches	2 8	35
Electric Gas Lighting Co., supplies	115 1 54 6	
H. G. White, electric work	111 5	54
George T. Day, expressing Public Buildings Maintenance, Public Li-	5 1	15
brary account. cork carpet	294 9	92
	\$5,863 4	_ !1
Public Buildings Maintenance, City Hall		
account, amount transferred Public Buildings Maintenance, City Hall	350 0	00
Annex, amount transferred	600 0	00
-	\$6,813 4	_ 1
Balance to credit of account, 1902	1,320 3	55
-		- \$8,133 76
Dublic Library Loos Ditmon Cand Aut		
Public Library, Isaac Pitman Fund, Art.		
Amount held in trust, income to be used for art		. \$4,000 00
Amount held in trust, income to be used for art	•	. φ±,000 00
DEBIT.		
Balance to credit of account, 1902	•	. \$4,000 00
Public Library, Isaac Pitman Fund, Poetry.		
CREDIT.		
Amount held in trust, income to be used for poet	rv	. \$1,000 00
		Ψ1,000 00
Balance to credit of account 1002		¢1 000 00
Balance to credit of account, 1902	•	. \$1,000 00

Public Library, Isaac Pitman Fund, Art, Income.	
CREDIT.	
Interest account, interest on investment	\$55 56 80 00
	\$135 56
DEBIT.	•
Cash, paid Little. Brown, & Co., books . \$89 05	
Charles Scribner's Sons, books	
C. E. Grosvenor, pictures 4 00	
W. J. Welsh, pictures 2 50 Isaac Pitman Library Fund, Investment ac-	
count, interest accrued 2 20	
\$116 65	
Balance to credit of account, 1902 18 91	\$195 EG
	\$135 56 ===================================
Public Library, Isaac Pitman Fund, Poetry, Income.	
CREDIT.	
Interest account, interest on investment	\$54 86
Cash, coupons on bonds	20 00
	\$74 86
DEBIT,	
Cash, paid Little, Brown, & Co., books . \$20 53	
Joseph McDonough, books 8 00	
Isaac Pitman Library Fund, Investment account, interest accrued	
Balance to credit of account, 1902	
	\$74 86
Dublic Library Land Ditmon Fund Investment Acce	4
Public Library, Isaac Pitman Fund, Investment Acco	unt.
CREDIT.	\$00 7 F0
Public Library account, amount transferred Isaac Pitman Library Fund, Poetry Income, interest accrued	\$287 50 58
Isaac Pitman Library Fund, Art Income, interest accrued,	2 20
	\$290 28
Balance to debit of account, 1902	5,000 00
	\$5,290 28
DEDIC	φο,2ου 20
Cash paid for West End bonds due 1015	\$5,290 28
Cash, paid for West End bonds, due 1915	φυ,200 20

Public Prop	perty.						
	CRE	DIT.					
Balance to d	lebit in account, 1902 .		•	•			\$3,509,116 82
	DEI	BIT.					
	nd Debt Balance, proper in 1901	erty ·	ac- :		518,737 990,378		\$3,509,116 82
Real Estate	Liens.						
	CRE	DIT.					
Cash, receiv	ed of Ada L. Bowker, 1	ien c	on 10	Се	dar-str	eet	
Place Amount cha	arged on account of Ad	a L.	Bow	ker	•	•	\$25 00 20 00
Balance to	debit of account, 1902						\$45 00 4,489 05
							\$4,534 05
	DEI	BIT.					
Balance from Taxes, 1890,	m 1900		\$12	60 40	\$2,740	09	
•	neirs James Chariton	•		40	21	00	
1893,	Heirs James Charlton City of Somerville .			30 90	97	20	
1894,	City of Somerville . Heirs James Charlton		\$37 9	68 42	91	20	
1895,	Heirs James Charlton City of Somerville .			24 58	47	10	
1896,	City of Somerville .		\$43	12	50	82	
1807	Heirs James Charlton Heirs James Charlton		$\frac{9}{$10}$	24	52	36	
1001,	City of Somerville.	: _		44	58	82	
1898.	City of Somerville . Heirs James Charlton	•	\$50 10	12 74			
1899,	Heirs James Charlton City of Somerville .		\$9 45	78 64	60	86	
1900,	James Charlton . City of Somerville .		\$9 44		55	42	
1899.	Great White Spirit Co.		\$559		54	40	
2009,	Frank Moore Reuel W. Thompson	•		89	* 0 :	0.5	
					594	95	
Amounts	carried forward .	•			\$3,773	3 02	\$4,534 05

Amounts brought forward	/	
City Treasurer's account 100 1	1900, Great White Spirit Co. \$548 80 Reuel W. Thompson 30 40	\$4,534 05
Reduction of Funded Debt. CREDIT.		
CREDIT. S74,000 00 Water Works Income, amount appropriated S0,249 97 Cash, received of Jose, Parker, & Co., premium on bonds, S158,175 93	Interest account, interest on taxes 96 65	-
CREDIT. \$74,000 00 \$0,249 97 \$3,925 96 \$158,175 93		\$4,534 05
CREDIT. \$74,000 00 \$0,249 97 \$3,925 96 \$158,175 93		
Appropriations, from Taxes 1901	Reduction of Funded Debt.	
Water Works Income, amount appropriated	CREDIT.	
Property and Debt Balance, amount of reduction of Funded Debt, 1901 \$163,000 00 Less amount renewed 16,000 00 Balance to credit of account, 1902 11,175 93 Renewal of Funded Debt. CREDIT. Appropriations, amount authorized by loans \$16,000 00 DEBIT. Property and Debt Balance, amount of Funded Debt renewed in 1901 \$16,000 00 School Contingent. CREDIT. Appropriations, from Taxes 1901 \$21,000 00 Cash, received of G. A. Southworth, Superintendent, injury to property	Water Works Income, amount appropriated	80,249 97
Property and Debt Balance, amount of reduction of Funded Debt, 1901		\$158,175 93
Property and Debt Balance, amount of reduction of Funded Debt, 1901	DEBIT.	
Renewal of Funded Debt. CREDIT. Appropriations, amount authorized by loans \$16,000 00 DEPIT. Property and Debt Balance, amount of Funded Debt renewed in 1901 \$16,000 00 School Contingent. CREDIT. Appropriations, from Taxes 1901 \$21,000 00 Cash, received of G. A. Southworth, Superintendent, injury to property \$80 00 G. A. Southworth, Superintendent, tuition of non-resident pupils 80 00 Allen Staples, bill previously paid	Property and Debt Balance, amount of reduction of Funded Debt, 1901 \$162,000 00 Less amount renewed 16,000 00	
Renewal of Funded Debt. CREDIT. Appropriations, amount authorized by loans DEBIT. Property and Debt Balance, amount of Funded Debt renewed in 1901 CREDIT. CREDIT. Appropriations, from Taxes 1901 Cash, received of G. A. Southworth, Superintendent, injury to property intendent, injury to property G. A. Southworth, Superintendent, tuition of non-resident pupils Allen Staples, bill previously paid Excess and Deficiency, balance to debit of account . \$16,000 00 \$16,000 00 \$21,000 00 \$21,000 00 \$21,000 00 \$21,000 00 \$21,000 00 \$21,161 75 \$21,161 75 \$2,354 80		
CREDIT. Appropriations, amount authorized by loans \$16,000 00 DEBIT. Property and Debt Balance, amount of Funded Debt renewed in 1901 \$16,000 00 School Contingent. CREDIT. Appropriations, from Taxes 1901 \$21,000 00 Cash, received of G. A. Southworth, Superintendent, injury to property \$80 00 G. A. Southworth, Superintendent, tuition of non-resident pupils 80 00 Allen Staples, bill previously paid		\$158,175 93
CREDIT. Appropriations, amount authorized by loans \$16,000 00 DEBIT. Property and Debt Balance, amount of Funded Debt renewed in 1901 \$16,000 00 School Contingent. CREDIT. Appropriations, from Taxes 1901 \$21,000 00 Cash, received of G. A. Southworth, Superintendent, injury to property \$80 00 G. A. Southworth, Superintendent, tuition of non-resident pupils 80 00 Allen Staples, bill previously paid		
CREDIT. Appropriations, amount authorized by loans \$16,000 00 DEBIT. Property and Debt Balance, amount of Funded Debt renewed in 1901 \$16,000 00 School Contingent. CREDIT. Appropriations, from Taxes 1901 \$21,000 00 Cash, received of G. A. Southworth, Superintendent, injury to property \$80 00 G. A. Southworth, Superintendent, tuition of non-resident pupils 80 00 Allen Staples, bill previously paid	Renewal of Funded Debt.	
Appropriations, amount authorized by loans \$16,000 00 DEBIT. Property and Debt Balance, amount of Funded Debt renewed in 1901 \$16,000 00 School Contingent. CREDIT. Appropriations, from Taxes 1901 \$21,000 00 Cash, received of G. A. Southworth, Superintendent, injury to property \$80 00 G. A. Southworth, Superintendent, tuition of non-resident pupils 80 00 Allen Staples, bill previously paid		
Property and Debt Balance, amount of Funded Debt renewed in 1901		\$16,000,00
Property and Debt Balance, amount of Funded Debt renewed in 1901		φ10,000 00
School Contingent. CREDIT. Appropriations, from Taxes 1901		
Appropriations, from Taxes 1901 \$21,000 00 Cash, received of G. A. Southworth, Superintendent, injury to property \$80 00 G. A. Southworth, Superintendent, tuition of non-resident pupils 80 00 Allen Staples, bill previously paid	newed in 1901	\$16,000 00
Appropriations, from Taxes 1901 \$21,000 00 Cash, received of G. A. Southworth, Superintendent, injury to property \$80 00 G. A. Southworth, Superintendent, tuition of non-resident pupils 80 00 Allen Staples, bill previously paid		
Appropriations, from Taxes 1901 \$21,000 00 Cash, received of G. A. Southworth, Superintendent, injury to property \$80 00 G. A. Southworth, Superintendent, tuition of non-resident pupils 80 00 Allen Staples, bill previously paid		
Appropriations, from Taxes 1901 \$21,000 00 Cash, received of G. A. Southworth, Superintendent, injury to property \$80 00 G. A. Southworth, Superintendent, tuition of non-resident pupils 80 00 Allen Staples, bill previously paid	School Contingent.	
Appropriations, from Taxes 1901 \$21,000 00 Cash, received of G. A. Southworth, Superintendent, injury to property \$80 00 G. A. Southworth, Superintendent, tuition of non-resident pupils		
Cash, received of G. A. Southworth, Superintendent, injury to property \$80 00 G. A. Southworth, Superintendent, tuition of non-resident pupils 80 00 Allen Staples, bill previously paid		\$21,000,00
G. A. Southworth, Superintendent, tuition of non-resident pupils 80 00 Allen Staples, bill previously paid	Cash, received of G. A. Southworth, Super-	γ,
Allen Staples, bill previously paid	G. A. Southworth, Superintendent, tui-	
Excess and Deficiency, balance to debit of account		
Excess and Deficiency, balance to debit of account 2,354 80	Then Staples, on previously paid	161 75
Excess and Deficiency, balance to debit of account 2,354 80		\$21 161 75
Amount carried forward \$23,516 55	Excess and Deficiency, balance to debit of account	2,354 80
	Amount carried forward	\$23,516 55

Amount brought forward . . . \$23,516 55 DEBIT. Cash, paid Gordon A. Southworth, salary as superintendent of schools . . . \$3,000 00 173 59 disbursements E. L. Hannay, clerk in superintendent's 541 67 Cora S. Fitch, clerk in superintendent's 124 36 Lemuel H. Snow. truant officer 1,100 00 board of horse 260 00 Jairus Mann, truant officer . 50 00 Ginn & Co., books Fdward E. Babb & Co., books Rand, McNally, & Co., books Allyn & Bacon, books Henry Holt & Co., books Ginn & Co., books 1.056 21645 76471 23 80 92 41 91 43 75 106 98 114 10 3 00 759 90 161 35 American Book Co., books Boston School Supply Co., books . 161 35 D. C. Heath & Co., books . 199 83 2 50 23 20 33 55 6 59 Benjamin H. Sanborn & Co., books G. P. Putnam's Sons, books Emerson College of Oratory, books DeWolfe, Fiske, & Co., books Mary Alderson Chandler, books 60 00 University Publishing Co., books Sibley & Decker, books Werner School Book Co., books . 85 40 73 79 1,751 68 D. Appleton & Co., books . . . Thomas R. Shewell & Co., books . 7 00 602 56 Silver, Burdett, & Co., books . . . Lee & Shepard, books Oliver Ditson music . . . 1,492 7513 80 40 13 Arthur P. Schmidt, music Clark Mfg. Co., ink Suffolk Ink Co., ink McKinley Publishing Co., maps Harvard University, examination papers, W. A. Greenough & Co., directory Thomas Groom & Co., stationery Cambridge Paper Box Co., boxes G. R. Fisk & Co. ribbon 7 50 **55** 00 6 00 8 73 4 10 3 00 4 50 3 75 71 40 685 71 6 00 327 32 251 60 9 75 3 50 138 03 Boston Bank Note Co., engraving . H. W. Stone, filling diplomas . 67 70 Charles G. Ames, services at graduation, George H. Martin, services at gradua-25 00tion 25 00 Charles Fleischer, services at graduation, 50 00

\$14,875 10

\$23,516 55

Amounts carried forward

Assessment Incomplete from 1	\$140FF 10	400 F10 FF
Amounts brought forward First Methodist Church, use of edifice .	\$14,875 10 150 00	\$23,516 55
T) 1 1 T) 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	29 75	
David Farquhar, book binding Enterprise Mfg. Co., kindergarten sup-	20 .0	
1.	5 00	
Dennison Mfg. Co., supplies	7 30	
Wyckoff, Seamans, & Benedict, type-		
writer Smith Typewriter Co., supplies	55 00	
Smith Typewriter Co., supplies	134 18	
Holden Book Cover Co., supplies	$\begin{array}{c} 11 \ 50 \\ 65 \end{array}$	
Eagle Pencil Co., supplies	$\begin{array}{c} 65 \\ 36 \ 40 \end{array}$	
Ziegler Electric Co., laboratory supplies,	18 35	
L. E. Knott Apparatus Co., laboratory		
supplies	230 11	
Rich & Matthews, laboratory supplies .	1 33	
W. E. Plumer & Co., chemical supplies .	411 68	
Eimer & Amend, chemical supplies .	356 61	
Cochrane Chemical Co., chemical sup-	11 20	
plies	$\begin{array}{ccc} 11 & 39 \\ 5 & 05 \end{array}$	
Herbert Wood. supplies F. S. Webster & Co., supplies	2 70	
M. L. Vinal, supplies	$1,30\overline{6} \ 0\overline{1}$	
Cook-Vivian Co., drawing supplies .	45 73	
Chandler & Barber, manual training sup-		
plies	8 75	
Thomas Hollis. manual training supplies,	16 05	
John M. Woods & Co., manual training	000 15	
supplies	289 17	
H. F. Hathaway, supplies	$\begin{array}{cc} 1 & 10 \\ 50 & 00 \end{array}$	
J. L. Hammett Co., supplies	1,198 60	
Neostyle Co., supplies	52 38	
Neostyle Co., supplies	1 72	
Mary E. Eagan, supplies	12 00	
Jordan, Marsh, & Co., supplies	13 20	
Yamanaka & Co., drawing supplies	1 15	
Keuffel & Esser Co., drawing supplies .	244 56	
Underhill Hardware Co., drawing sup-	7 20	
plies	4 80	
Wadsworth, Howland, & Co., drawing	4 00	
supplies	745 38	
P. P. Caproni & Brother, drawing sup-		
plies	15 00	
Adams, Cushing. & Foster, supplies .	1,053 16	
George F. King & Co., supplies	159 24	
B. F. Humphrey, book binding	$ \begin{array}{r} 588 & 37 \\ 55 & 75 \end{array} $	
Dame, Stoddard, & Co., supplies	43 20	
Mrs F I Fllis supplies	3 56	
Mrs. E. J. Ellis, supplies John C. Haynes & Co., supplies	9 38	
George S. Perry & Co., supplies	2 20	
L. R. Stuart, supplies	2 25	
Heywood Bros. & Wakefield Co., sup-	15 00	
plies	15 00	
Gilman-square Fish Market, supplies .	5 62 98 43	
F. H. Gilson Co., supplies Benjamin F. Freeman, supplies	3 50	
Denjamin F. Freeman, supplies		
Amounts carried forward	\$22,394 56	\$23,516 55

Amounts brought forward Williams & Rogers, supplies Bunkio Matsuki, supplies W. H. Bullard, supplies Thompson, Brown, & Co., supplies Charles T. Garland, supplies C. A. Watrous, supplies Blodgett Bros. & Co., clock repairs James H. Chase, services C. T. C. Whitcomb, disbursements C. E. Brainard, disbursements M. J. Wendell, disbursements A. L. Doe, disbursements Elizabeth S. Webster, taking school census Charles E. Davis, taking school census Middlesex County Truant School, board	83 08 67 20 64 72	\$23,516 55
of truants New England Telephone & Telegraph Co., rentals and tolls Davis Ice Cream Co., catering Howard Lowell & Son, carriage hire Jackson Caldwell & Co., moving pianos J. H. Grundy, expressing John F. O'Brien, expressing Glines & Co., expressing	169 69 90 90 4 00 5 00	
E. R. Perham, expressing	25 nents.	\$23,516 55
CREDIT.		
Balance from 1900		\$101 61
Sidewalks Construction account, amount tra	nsferred .	\$101 61
Schoolhouse, Highland, Sanitary Improve	ement.	
CREDIT.		
Balance from 1900		\$21 36
Sidewalks Construction account, amount tra	nsferred .	\$21 36
Schoolhouse in or Near Ward Seven.		
Balance from 1900		\$21,995 73
Cash, paid Lord Bros., on account of contract	\$14,730 51	
Amounts carried forward	\$14,730 51	\$21,995 73

\$14,730 51 2,947 00 1,835 50 136 25 40 00 20 00 193 58 133 21 19 60 33 00 60 00	\$21,995 73
52 50 84 44 192 95	
9 88 21 38 111 86	
314 35	
\$21,863 28 132 45	\$21,995 73
in bill .	\$14,368 91 09
	\$14,369 00
	1,835 50 136 25 40 00 20 00 193 58 133 21 19 60 33 00 60 00 891 02 52 50 84 44 192 95 36 25 9 88 21 38 111 86 314 35 \$21,863 28

Amounts brought forward W. J. Dobinson Engraving Co., reproducing plans C. Vernon Burgess. perspective drawing, B. L. Makepeace, blue prints G. F. Matthews, carpentering Warren Hallett, carpentering D. L. Wood, labor Harris P. Tibbetts, building fence Chandler Adjustable Chair & Desk Works, furniture Derby Desk Co., furniture Heywood Bros. & Wakefield Co., furniture Glines & Co., expressing	\$13,063 05 13 10 15 00 40 101 21 27 50 3 75 148 50 562 10 192 20 38 00 13 37 \$14,178 18	\$14,369 00
Sidewalks Construction account, amount transferred	190 82	\$14,369 00
Schoolhouse, O. S. Knapp, Improvements. CREDIT. Balance from 1900		\$28 52
Sidewalks Construction account, amount trans-	ferred .	\$28 52
School Teachers' Salaries.		
Appropriations, from Taxes 1901 Overlay and Abatement, amount transferred		\$203,000 00 18,739 69 \$221,739 69
DEBIT.		
Cash, paid salaries as per pay-rolls	• • •	\$221,739 69
Sealer of Weights and Measures.		
CREDIT.		
Appropriations, from Taxes 1901 Cash, received of John H. Dusseault, fees .		\$1,300 00 356 07
DEBIT.		\$1,656 07
Cash, paid John H. Dusseault, salary as sealer of weights and measures	\$900 00 253 80 6 25 6 00	
Amounts carried forward	\$1,166 05	\$1,656 07

Amounts brought forward	\$1,656 07
\$1,222 89 Excess and Deficiency, balance to credit of	
account	\$1 CFC 07
	= \$1,656 07
Sewer Assessments.	
CREDIT.	
Cash. received of sundry persons	\$11,533 98
Balance to debit of account, 1902	2,878 95
	\$14,412 93
DEBIT.	, ,
Balance from 1900 \$11,459 83 Sewers Construction account, assessments	
levied 2,953 10	
	\$14,412 93
Sewer Construction.	
Sewer Construction. CREDIT.	
CREDIT. Palance from 1900	\$15,456 99
CREDIT. Palance from 1900	
Ralance from 1900	\$15,456 99 30,000 00 2,953 10
Ralance from 1900	30,000 00
Ralance from 1900	30,000 00 2,953 10
Ralance from 1900	30,000 00 2,953 10
Ralance from 1900	30,000 00 2,953 10
Ralance from 1900	30,000 00 2,953 10

Amounts brought forward	\$6,098 63	\$48,556 98
Portland Stone Ware Co., pipe	2,515 10	
George D. Goodrich, drain pipe	29 40 545 25	
George D. Goodrich, drain pipe New England Brick Co., bricks C. E. Trumbull & Co., cement	545 25 20 70	
M. A. Simpson sond	39 79	
M. A. Simpson, sand	50 (U 101 99	
F. C. Ayer, lumber	101 00	
Mechanics' Iron Foundry castings	136 30	
Barbour, Stockwell Co., traps	30 00	
Osgood & Witherly, traps	74 25	
Waldo Bros fittings	74 25 528 30	
Waldo Bros., fittings	85 00	
Somerville Iron Foundry, rings	606 24	
Trew England Telephone & Telegraph		
Co., rails	21 79	
Co., rails	2 50	
C. W. Stevens, labor William J. McCarthy, stone	25 16	
William J. McCarthy, stone	65 75	
Andrew C. Spring, gravel	5 50 64 80	
1. Allen, concreting	23 50	
Citizen: Co. printing	20 00 99 50	
Citizen' Co printing	22 50 18 35 95 00	
Fraest W Danforth inspecting nine	95 00	
John I Murray car fares	18 05	
Western Union Telegraph Co., tele-	10 00	
graphing	. 51	
Boston & Maine Railroad Co., freight .	1,139 88	
Boston & Albany Railroad, freight	33 75	
James Tevlin, use of teams	953 82	
Mrs. C. T. Shean, use of teams	18 00	
City of Cambridge, compensation for		
damages	164 02	
Daniel L. Demmon, compensation for	= × ^ ^	
damages	75 00	
H. A. Hanson & Co., constructing sewer:—	- 75 00	
Somerville avenue, Section 6	75 80	
Somerville avenue, Prospect to Lowell	473 10	
street	$\begin{array}{c} 473 \ 10 \\ 4,200 \ 00 \end{array}$	
cement	142 00	
Charles A. Kelley, constructing sewer:	112 00	
Lovell street	21 08	
noiyoke road	48 95	
Lowell street	725 89	
Lowden avenue, Mallett street, and Bay		
State avenue	110 71	
vvenster avenue	2,230 19	
Somerville avenue	2,500 00	
Dane street	1,139 00	
Daniel A. Dorey, constructing sewer:—	16.00	
Passageway off Main street	16 00 1,066 55	
Fosket street	134 77	
John C. Terry, constructing sewer:—	101 11	
Josephine avenue	57 24	
Josephine avenue	129 24	
Hall street	23 32	
Amounts carried forward	\$26,682 16	\$48,556 98

Amounts brought forward	\$26,682 16	\$48,556 98
Charles G. Craib, constructing sewer:—	φ=0,00= 10	φ10,000 00
Clark street, Lincoln place, etc	244 15	
Patrick Burke, constructing sewer:—		
Calvin street	135 10	
Ware street	243 63	
Dimick street	$202 \ 36$	
Bartholomew Burke, constructing sewer:—		
Henderson street	55 80	
Meacham street	327 46	
City Farm land	77 74	
John C. Terry, constructing sewer:—		
Lowden street, Kidder avenue, and Bay	002 41	
State avenue	232 41	
Prospect street	21 93	
Cibbons structing sewer:—	67 05	
Gibbens street		
Storm drain in Cedar street	1,549 24 1,846 70	
Cedar street	519 64	
Dane street	919 04	
Powder-House terrace	254 99	
Norfolk street	375 32	
Columbia street	406 60	
	412 83	
Tremont street	412 00	
Hanson street	466 24	
Hanson street	100 21	
connection, North Union street	1,245 69	
labor, etc.	357 02	
Highways Maintenance account, labor.	57 25	
Powder-House Boulevard account,		
labor	1,990 00	
Water Maintenance account, pipe	37 50	
	\$37,808 81	
Balance to credit of account, 1902	10,748 17	
		\$48,556 98
Sewer Maintenance.		
CREDIT.		
Water Works Income, amount appropriated		\$10,350 00
DEBIT.		
Cash, paid laborers	\$6,193 91	
Boston Woven Hose & Rubber Co.,	• •	
hose	150 00	
Cornelius Callahan Co., hose	90 00	•
Charles E. Berry, repairing hose	3 25	
Boston Coupling Co., coupling hose	75	
Harold L. Bond & Co., couplings	10 00	
Edson Mfg. Co., repairing tools	5 22	
Whitney & Snow, tools	121 02	
Charles L. Underhill, tools		
Herbert Wood. repairing tools	25 60	
	1 95	
Berry & Ferguson, cement		
Berry & Ferguson, cement	1 95 39 50	φ10.0°C 00
Berry & Ferguson, cement Amounts carried forward	1 95	\$10,350 00

Amounts brought forward		
David W. Lewis, cement	Amounts brought forward \$6.641.20	\$10.350_00
Waldo Bros., pipe		4-0,000 00
George D. Goodrich, drain pipe		
J. A. Durell, pipe		
New England Brick Co., bricks		
New England Brick Co., bricks 91 88 John Fisher & Co., pails 8 40 Perrin, Seamans, & Co., oil 2 70 Somerville Iron Foundry, sewer rings 102 33 E. A. Gillett & Sons, sewer rods 8 00 F. C. Ayer, lumber 15 59 I. B. Walker, repairs 6 56 Howe & Flint, repairs 1 25 G. D. Sherman, oil clothes 15 75 A. Goldstein, repairing rubber boots 34 90 A. H. Pinkham, rubber boots, etc. 33 80 Underhill Hardware Co., hardware 2 85 W. E. Plumer & Co., bolts 05 M. A. Simpson, sand 1 00 James Tevlin, use of teams 2,576 76 Harris P. Tibbetts, labor 11 16 E. W. Bailey, car fares 3 00 E. W. Danforth, car fares 23 50 Charles A. Kelley, labor 4 00 Robert Burlen, binding plans 9 00 Thomas Groom & Co., books 1 00 M. L. Vinal, books 20 Frank Reed, Agent, rent of land 375 00 New England Telephone & Telegraph Co., rentals and tolls 18 48 Sewers Construction account, manhole covers 30 00 Sidewalk Assessments. \$10,166 88 Excess and Deficiency, balance to credit of account 183 12 Sidewalk Sconstruction, amount assumed by the city \$17,517 38 Salance from 1900 \$10,166 88 Excess and Deficiency persons \$17,428 93 Sidewalks Construction, assessments levied, 17,517 38 Salance from 1900 \$10,166 81 Sidewalks Construction, assessments levied, 17,517 38 Salance from 1900 \$10,166 81 Sidewalks Construction, assessments levied, 165 12 Interest account, interest 105 City Treasurer's account, costs 20		
John Fisher & Co., pails 8 40		
Perrin, Seamans, & Co., oil	John Fisher & Co. pails 8 40	
Somerville Iron Foundry, sewer rings 102 33 E. A. Gillett & Sons, sewer rods 8 00 F. C. Ayer, lumber 15 59 I. B. Walker, repairs 6 56 Howe & Flint, repairs 1 25 G. D. Sherman, oil clothes 15 75 A. Goldstein, repairing rubber boots 34 90 A. H. Pinkham, rubber boots, etc. 33 80 Underhill Hardware Co., hardware 2 85 W. E. Plumer & Co., bolts 05 M. A. Simpson, sand 1 00 James Tevlin, use of teams 2,576 76 Harris P. Tibbetts, labor 11 16 E. W. Bailey, car fares 3 00 E. W. Danforth, car fares 23 50 Charles A. Kelley, labor 4 00 Robert Burlen, binding plans 9 00 Thomas Groom & Co., books 1 00 M. L. Vinal, books 20 Frank Reed, Agent, rent of land 375 00 New England Telephone & Telegraph Co., rentals and tolls 18 48 Sewers Construction account, manhole covers 30 00 Sidewalk Assessments. \$10,166 88 Excess and Deficiency, balance to credit of account 183 12 Sidewalks Construction, amount assumed by the city \$8 45 Salance from 1900 \$10,941 63 Sidewalks Construction, assessments levied, 12,465 12 Interest account, interest 105 City Treasurer's account, costs 20		
E. A. Gillett & Sons, sewer rods		
F. C. Ayer, lumber 15 59 I. B. Walker, repairs 6 56 Howe & Flint, repairs 1 25 G. D. Sherman, oil clothes 15 75 A. Goldstein, repairing rubber boots 34 90 A. H. Pinkham, rubber boots, etc. 33 80 Underhill Hardware Co., hardware 2 85 W. E. Plumer & Co., bolts 05 M. A. Simpson, sand 1 00 James Tevlin, use of teams 2,576 76 Harris P. Tibbetts, labor 11 16 E. W. Bailey, car fares 3 00 E. W. Danforth, car fares 23 50 Charles A. Kelley, labor 4 00 Robert Burlen, binding plans 9 00 Thomas Groom & Co., books 1 00 M. L. Vinal, books 20 Frank Reed, Agent, rent of land 375 00 New England Telephone & Telegraph Co., rentals and tolls 18 48 Sewers Construction account, manhole covers 30 00 Excess and Deficiency, balance to credit of account 183 12 Sidewalk Assessments. \$17,428 93 Sidewalk Construction, amount assumed by the city \$8 45 Sidewalk Construction, assessments levied, 12,465 12 Interest account, interest 105 City Treasurer's account, costs 20		
I. B. Walker, repairs		
Howe & Flint, repairs		
G. D. Sherman, oil clothes		
A. Goldstein, repairing rubber boots . 34 90 A. H. Pinkham, rubber boots, etc 33 80 Underhill Hardware Co., hardware . 2 85 W. E. Plumer & Co., bolts		
A. H. Pinkham, rubber boots, etc		
Underhill Hardware Co., hardware		
W. E. Plumer & Co., bolts M. A. Simpson, sand James Tevlin, use of teams Jenson Struction, use of teams Let W. Bailey, car fares Let W. Bailey, car fares Let W. Bailey, car fares Let W. Danforth, car fares Let W. Balance foom & Co., books Let W. Danforth, car fares Let W. Danforth, car fare		
M. A. Simpson, sand James Tevlin, use of teams 2,576 76 Harris P. Tibbetts, labor		
James Tevlin, use of teams		
Harris P. Tibbetts, labor		
E. W. Bailey, car fares	James Tevlin, use of teams 2,576 76	
E. W. Danforth, car fares	Harris P. Tibbetts, labor	
Charles A. Kelley, labor		
Thomas Groom & Co., books	E. W. Danforth, car fares 23 50	
Thomas Groom & Co., books	Charles A. Kelley, labor 4 00	
M. L. Vinal, books	Robert Burlen, binding plans 9 00	
Frank Reed, Agent, rent of land		
Frank Reed, Agent, rent of land	M. L. Vinal, books 20	
New England Telephone & Telegraph	Frank Reed, Agent, rent of land 375 00	
Co., rentals and tolls	New England Telephone & Telegraph	
Sewers Construction account, manhole covers	Co., rentals and tolls	
Cash, received of sundry persons Sidewalk Sconstruction, amount assumed by the city \$17,428 93 \$17,517 38 5,890 62 \$23,408 00 \$23,408 00 \$23,408 00 \$20 \$10,941 63 \$1		
Sidewalk Assessments. \$10,166 88 \$10,350 00		
Excess and Deficiency, balance to credit of account		
Excess and Deficiency, balance to credit of account	\$10.166 88	
Sidewalk Assessments. Sidewalk Assessments CREDIT.		
Sidewalk Assessments. CREDIT. Cash, received of sundry persons		
Sidewalk Assessments. Cash, received of sundry persons		\$10,350,00
CREDIT. Cash, received of sundry persons		
CREDIT. Cash, received of sundry persons		
CREDIT. Cash, received of sundry persons		
Cash, received of sundry persons	Sidewalk Assessments.	
Balance to debit of account, 1902	CREDIT.	
Balance to debit of account, 1902	Cash received of cundry parcons	¢17 400 00
Balance to debit of account, 1902	Sidewalks Construction amount assumed by the site	
Balance to debit of account, 1902	sidewarks construction, amount assumed by the city.	88 45
Balance to debit of account, 1902		¢17 £17 90
\$23,408 00 DEBIT. Balance from 1900 \$10,941 63 Sidewalks Construction, assessments levied, 12,465 12 Interest account, interest 1 05 City Treasurer's account, costs 20	Ralance to debit of account 1000	
Balance from 1900	Datance to depit of account, 1902.	5,890 62
Balance from 1900		¢00 400 00
Balance from 1900 \$10,941 63 Sidewalks Construction, assessments levied, Interest account, interest		\$23,408 00
Balance from 1900 \$10,941 63 Sidewalks Construction, assessments levied, Interest account, interest	DERIT	
Sidewalks Construction, assessments levied, 12,465 12 Interest account, interest		
Interest account, interest		
City Treasurer's account, costs 20		
	C', T	
	City Treasurer's account, costs 20	
		\$23,408 00

Sidewalks Construction.

CREDIT.

Balance from 1900	\$669	03
Appropriations, amount appropriated by borrowing on	4000	••
Funded Debt account	10,000	00
Sidewalk Assessments, assessments levied . ,	12,465	
Electrical Department, Bell for Engine Two House,	· ·	
amount transferred	23	68
Fire Department, Fire Apparatus for Ladder Two Station,		
amount transferred	2	72
Fire Department, Fire Station No. One, amount trans-		
ferred	297	25
Schoolhouse, Charles G. Pope, Improvements, amount		
transferred	101	61
transferred	21	
Schoolhouse in Ward Two, amount transferred.	190	
Schoolhouse in or near Ward Seven, amount transferred,	132	45
Schoolhouse, O. S. Knapp, Improvements, amount trans-		
ferred	28	
Support of Poor, Almshouse, amount transferred		75
Cash, received of William J. Anthoine,		
bricks		
Walter H. Gleason, bricks 6 12 Fannie M. Bowen, bricks 68 77		
Fannie M. Bowen, bricks 68 77		
George W. Linnell, bricks 16 80		
Peter J. Kelley, bricks 34 03		
Fannie M. Bowen, bricks		
Ripley C. Gilman, edgestones		
John Martin, edgestones 66 46		
John Martin, edgestones		
Mulliken & Moore, edgestones		
Eleanor J. Heintz, sidewalk 39 16		
Eleanor J. Heintz, sidewalk 39 16 Francis H. Raymond, sidewalk 49 57 F. J. Stanley, sidewalk		
F. J. Stanley, sidewalk		
Frank W. Reynolds, sidewalk		
Joseph Gridley, sidewalk		
N. E. Mutual Life Insurance Co., side-		
walk/		
Annie J. Bourne, sidewalk 23 00		
C. R. Bunker, sidewalk 36 97		
Nellie E. Cotter. sidewalk		
Allen F. Carpenter, sidewalk 32 39		
Patrick J. Foley, sidewalk 13 18		
Thaddeus J. Flynn, sidewalk 11 50		
Nellie F. Lewis, sidewalk 30 30 Ellen C. Parks, kiolithic sidewalk 104 70		
Ellen C. Parks, kiolithic sidewalk 104 70		
Carrie P. Moses, kiolithic sidewalk . 121 40		
Charles H. Hood, kiolithic sidewalk . 111 70		
Mary E. Corwin, kiolithic sidewalk . 107 90		
Eugene P. Carr, kiolithic sidewalk 46 10		
Elizabeth D. Sibley, kiolithic sidewalk . 30 20		
Emma T. Nichols, kiolithic sidewalk . 50 50		
Adelaide L. Newton, kiolithic sidewalk . 33 70		
May L. Kingman, kiolithic sidewalk . 33 80		
Mary A. Derby, kiolithic sidewalk 50 20		
Fred M. Carr, kiolithic sidewalk 30 30		
Augusta Y. Carnes, kiolithic sidewalk . 30 20		
A mounts	ტიე იეე ე	1

Amounts brought forward	\$1,485 30	\$23,933 31
walk	76 40	
Matilda L. Lamb, kiolithic sidewalk .	. 30 20	
Fannie I. Bradshaw, kiolithic sidewalk . Highways Maintenance account, side-	100 60	
walk	93 28	
Public Buildings Maintenance, School-	000 50	
houses, edgestones	206 70	
	314 35	
sidewalk		\$2,306 83
		#06 040 14
Deleges to debit of account 1000		\$26,240 14 2,624 19
Balance to debit of account, 1902	• • •	2,024 19
		\$28,864 33
DEBIT.		• •
	\$7.479.09	
Cash, paid laborers	\$7,478 03 11,480 08	
S. & R. J. Lombard, edgestones	1,984 80	
New England Brick Co., bricks T. Allen, concrete	83 47	
Warren Bros. & Co., constructing side-	00 41	
walk	1,463 70	
Simpson Bros. Corporation, artificial	_,	
	36 6 20	
Mrs. Ellenette Holland, proportionate part constructing granolithic side-		
walk	24 30	
F. C. Ayer, lumber	5 22	
Citizen Co., advertising	$104 \ 25$	
Somerville Journal Co., advertising Highways Maintenance account, use of	94 15	
	5,647 98	
teams	43 70	
Sidewalk Assessments, amount assumed	10 10	
by the city	88 45	
		\$28,864 33
Sidewalks Maintenance.		
CREDIT.		
State of Massachusetts, Street Railway Tax (p	art appro-	
priated)		\$5,000 00
Balance to debit of account, 1902		1,711 69
		ΦΩ Ε11 00
		\$6,711 69
DEBIT.		
Cash, paid laborers	\$4,872 02	
New England Brick Co., bricks	1,053 13	
S. & R. J. Lombard, edgestones	62 66	
Somerville Electric Light Co., ashes .	1 50	
Highways Maintenance account, use of	500.00	
teams	722 38	¢6.711.00
		\$6,711 69

Soldiers' Burials.

CREDIT.	
Commonwealth of Massachusetts, burials	\$490 00
DEBIT.	·
Cash, paid Alfred E. Mann, services as undertaker	\$490 00
Soldiers' Relief.	
CREDIT.	
Appropriations, from Taxes 1901	\$15,000 00 44 00
Excess and Deficiency, balance to debit of account	\$15,044 00 822 86
	\$15,866 86
DEBIT.	
Cash, paid sundry persons as per pay-rolls, Somerville Hospital board	\$15,866 86
Somerville Hospital.	
CREDIT.	
Appropriations, from Taxes 1901	\$5,000 00 1,388 13
Terreu · · · · · · · · · · · · · · · · · · ·	
	\$6,388 13
Cash, paid for support of sick poor	\$6,388 13
cash, paid for support of sick poor	φυ,ουυ 10

State Aid.

CREDIT. Commonwealth of Massachusetts, amount paid in 1901, charged to state \$11,988 00 Cash, sundry persons, money not called for 60 00 \$12,048 00 DEBIT. Cash, paid monthly pay-rolls \$12,048 00 Street Lights. CREDIT. Appropriations, from Taxes 1901 \$49,000 00 Excess and Deficiency account, amount transferred. 10,042 98 \$59,042 98, DEBIT. Cash, paid Somerville Electric Light Co., lighting \$55,015 00 moving lamps 159 69 Welsbach Street Lighting Co. America, lighting 3.061 17 Jairus Mann, refreshments Bucknam & McCarthy, refreshments George E. Lowell, carriage hire 19 90 9 00 15 00 L. H. Brown, carriage hire 10 00 \$58,289 76 Excess and Deficiency, balance to credit of account 753 22 \$59,042 98 Sundry Persons. CREDIT. Balance from 1900 . \$25,586 10 Interest account, amount charged by error. 45 00 Water Works Income, error in water collections 1 95 Commonwealth of Massachusetts, Military Aid, amounts to be called for 7 00 Commonwealth of Massachusetts, State Aid, amounts to be called for 134 00 Cash, sundry persons, amounts to be called for . . . Overlay and Abatement account, amount transferred 150 96 1,302 59 \$27,227 60 DEBIT. Interest account, amount of coupons entered by error December 31, 1899:— . \$1,540 00 City Loan Sewer Loan 22 50 \$1,562 50 Amounts carried forward \$1,562 50 \$27,227 60

Amounts brought forward	\$1,562 50	\$27,227 60
Coupons Unpaid account, coupons of 1900 unpaid	407 50	
Cash, paid sundry persons, amounts due	23,517 50	
Ira F. Legrow, amount collected and not	·	
returned to treasurer	1,302 59	
Balance to credit of account, 1902	\$26,790 09 437 51	
		\$27,227 60
Support of Poor, Almshouse.		
CREDIT.		
Balance from 1900	· · ·	\$5,722 25 268 5 0
Support of Foot, City Frome account, sewer asse	ssiliciit .	
		\$6,000 75
Cash, paid Martha A. Russell, land on		
Broadway	\$4,000 00	
Faustina A. Russell, land on Broadway,	2,000 00	
Sidewalks Construction account, amount	\$6,000 00	
transferred	75	40.000 PF
_		\$6,000 75
Summent of Door City Home		
Support of Poor, City Home.		
CREDIT.		φ4.000 00
Appropriations, from Taxes 1901 Overlay and Abatement account, amount transfer Cash, received of John Wolf, Jr., & Co.,	erred .	\$4,000 00 1,500 00
produce	\$545 81 329 44	
J. Foster Colquhoun, produce Arthur M. Gilman, board	154 96	
Guy Gordon, board	51 00	
Matthew Colquhoun, board	96 00 18 00	
Thomas M. Day, aid	6 00	
City of Lawrence, aid	$\begin{array}{cc} 5 & 31 \\ 6 & 00 \end{array}$	
Commonwealth of Massachusetts, board, Soldiers' Relief, board	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	
Support of Poor, Miscellaneous, wood, etc.	236 25	
		1,473 20
		\$6,973 20
DEBIT.		
Cash, paid Mr. and Mrs. J. Foster Col-		
quhoun, services as warden and ma-	\$700 00	
Amounts carried forward	\$700 00	\$6,973 20
Amounts carried forward	\$100.00	90,810 40

Amounts brought forward	\$700 00	\$6,973 20
Amounts brought forward J. Foster Colquhoun, disbursements . Annie Haggerty, services	172 99 208 53	
Annie Haggerty, services	208 53	
Frank A. Allen, services	266 77	
Guy Gordon, services	235 00	
Guy Gordon, services	57 40	
Nettie Brown, services	27 00	
Angus McLean, services	3 23 51 77 289 24	
C. C. Folsom, disbursements J. S. Newcomb & Co., groceries E. S. Conant & Co., groceries	51 77	
J. S. Newcomb & Co., groceries	289 24	
E. S. Conant & Co., groceries	148 48	
Henry F. Sander, groceries	124 76	
Russell & Co., groceries	107 32	
James Bartley, groceries	101 55	
	51 98	
Ar-Showe & Co., groceries L. A. Wright & Co., groceries Mrs. Annie Kelley, groceries and papers, J. W. Roberts & Co., groceries H. G. Applin, groceries John Wolf, Jr., & Co., groceries Jacob W. Roberts & Son, groceries J. H. White & Sons, groceries W. A. Miller, groceries Excelsion Creamery, groceries	77 30 5 05 67 97 4 60 10 00	
Mrs. Apple Volley graceries and papers	0 00 07 07	
I W Poberts & Co. groceries	4 60	
H. G. Applin grossies	10.00	
Ichn Wolf Ir & Co groceries	76.20	
Jacob W Poborts & Son groceries	76 80	
I H White & Sons groceries .	$\begin{array}{ccc} & 4 & 50 \\ 52 & 20 \end{array}$	
W A Miller graceries	92 20	,
Excelsion Creamery orocaries	90 11 34	
Execusion Creamery, groceries	TT OT	
Hyde & Southworth, groceries Medford-street Market, groceries	59 90 81 74	
Bowman & Vaughn, groceries	34 84	
Newcomb & Paine groceries	28 22	
Newcomb & Paine, groceries C. J. Bailey & Co., rubber goods	$\frac{20}{2} \frac{22}{00}$	
Parke Snow, dry goods	18 91	
Brown, Durell, & Co., dry goods	13 50	
Joseph A. Pearson, blankets	9 25	
Joseph A. Pearson, blankets	21 00	
Reid & Hughes, crockery	14 24	
Jordan, Marsh, & Co., kitchen utensils.	59 98	
G. W. Bent & Co., mattresses and pil-		
lows	12 50	
I. C. Earle & Sons, boots and shoes .	19 50	
Massachusetts State Prison, boots and		
shoes	39 30	
H. A. Skidmore, dry goods	17 48	
House of Correction, clothing	7 65	
Commonwealth of Massachusetts, cloth-		
ing	4 25	
Alexander Duncan & Co., heater	98 00	
Union-square Furniture Co., carpets .	$174 \ 05$	
Whitcomb Metallic Bedstead Co., bed-		
steads	31 50	
Magee Furnace Co., repairing range .	4 50	
Fulton O'Brion, hay and grain	456 82	
I. B. Walker, wagon repairs	60 06	
Joseph Palmer, seat spring	1 85	
Charles R. Simpson, veterinary services,	2 50	
Ira L. Roberts, horeshoeing	34 63	
Abbott, Downing Co., wagon	101 50	
Highland Coal Co., lime and cement.	10 80	
D. J. Bennett, repairs	$\begin{array}{c} 6 & 65 \\ 1 & 25 \end{array}$	
Charles F. Merrill, repairs	1 20	
Amounts carried forward	\$4,285 05	\$6,973 20
rimounts carried forward	φ1,200 00	φο,στο =0

Amounts brought forward \$4,2	285 05 \$6,973 20	
M. F. Underwood, labor	13 75	
C. F. Penney, farm supplies	37 00	
Howard I. Russell, farm supplies	575 00	
H. S. Pond, swill	11 00	
	226 56	
Joseph Breck & Sons, hot bed mats .	437 05	
	23 00 1 45	
VV. VV. Rawson & Co., seeds	52 94	
W. W. Rawson & Co., seeds Schlegel & Fottler, seeds	70 00	
Charles A. Holmes, bees	7 50	
North Packing & Provision Co., pork	1 30	
barrel	1 00	
barrel	14 91	
C. W. Lerned & Co., disinfectant	5 00	
Reuben Ring & Co., disinfectant	5 00 22 60	
Leach & Greene, medicine	4 00	
C. H. Goldthwaite & Co., medicine .	3 05	
Charles S. Lombard, medicine	33 41	
E. S. Sparrow & Co., hardware	24 32	
W. E. Plumer & Co., hardware	54 11	
Herbert Wood, sharpening saws	1 00	
Jackson & Newton, door frame, etc	2 00	
Charles W. Badger, putty	1 32	
E. D. Sawyer & Co., lumber	77 13	
	77 35	
Somerville Journal Co., printing	2 00	
J. L. Fairbanks & Co., A. H. Register .	4 00 3 60	
Thomas Groom & Co., stationery.	3 60	
Somerville Electric Light Co., rent of	12.00	
tans	12 00 18 41	
Electric Gas Lighting Co., supplies .	0.20	
Gilman Express Co., expressing George T. Day, expressing	9 80 1 00	
City of Somerville, sewer assessment .	268 50	
	169 34	
New England Telephone & Telegraph	100 01	
Co., rentals and tolls	72 28	
\$6,	622 43	
Excess and Deficiency, balance to credit of		
account	350 77	
	\$6,973 20	
Support of Poor, Miscellaneous.		
CREDIT.		
Appropriations, from Taxes 1901	; \$19,000 00	
Overlay and Abatement account, amount transferre	ed . 4,000 00	
Cash, received for support of paupers:—	160 69	
	,160 63	
	,186 07 835 42	
Of City of Cambridge	4 25	
Of City of Everett	9 46	
Of City of Fall River	35 00	
Amounts carried forward \$4,	230 83 \$23,000 00	
	.40U 00 <u>a</u> 4a uuu uu	

Amounts brought forward	\$4,230 83	\$23,000 00
Of City of Fitchburg	3 25	
Of City of Gloucester	54 05	
Of City of Haverhill Of City of Lowell Of City of Lynn Of City of Malden Of City of Marlboro Of City of Medford	$\begin{array}{cc} 14 & 75 \\ 79 & 38 \end{array}$	
Of City of Lowell	62 50	
Of City of Malden	119 09	
Of City of Marlboro	54 10	
Of City of Medford	9 20	
Of City of Taunton	11 25 84 18	
Of City of Waltham	84 18	
Of City of Woburn	128 98	
Of City of Worcester	49 75	
Of Town of Agawam Of Town of Ashburnham Of Town of Berkeley Of Town of Canton	12 86 78 57	
Of Town of Berkeley	78 57 41 43	
Of Town of Canton	8 10	
Of Town of Dennis	8 14	
Of Town of Dennis	3 00	
Of Town of Lancaster	8 14 3 00 3 60	
Of Town of Lancaster Of Town of Methuen Of Town of North Andover Of Town of Wakefield	4 00	
Of Town of North Andover	44 00 70 CF	
Mrs. Pitchia Mach Taylor aid furnished	19 00 160 46	
Mary Brady aid furnished	42 39	
Charles I. Davis, aid furnished	146 00	
Patrick Brady, aid furnished	42 25	
Mrs. Edwin C. Morris, aid furnished .	32 15	
Of Town of North Andover Of Town of Wakefield Mrs. Ritchie McG. Taylor, aid furnished, Mary Brady, aid furnished Charles I. Davis, aid furnished Patrick Brady, aid furnished Mrs. Edwin C. Morris, aid furnished Mrs. Harriet L. Norton, aid furnished Warren A. Smith, aid furnished Patrick Drady, aid furnished George W. Hatch, aid furnished Charles Hyde aid furnished	48 29	
Warren A. Smith, aid furnished	$\frac{2}{100}$	
Patrick Drady, aid turnished	41 79	
Charles Hyde, aid furnished	$\begin{array}{c} 19 \ 50 \\ 11 \ 50 \end{array}$	
Samuel Rines, aid furnished James W. Inwood, aid furnished Estate Oliver J. Davis, aid furnished Lambert M. Maynard, aid furnished	72 43	
Estate Oliver I. Davis, aid furnished .	87 75	
Lambert M. Maynard, aid furnished .	33 87	
Calvin S. Page, and furnished	42 71	
Irving L. Russell, aid furnished Daniel Harrigan, aid furnished Michael Cosgrove, aid furnished	25 00	
Daniel Harrigan, aid furnished	26 40	
Michael Cosgrove, and furnished	15 79	
Augustus W. Hopkins, aid furnished . Mrs. J. Campbell, error in bill	$\begin{array}{cccc} 200 & 00 \\ 6 & 86 \end{array}$	
Soldiers' Relief account, board	81 25	
boldiers remer account, board		6,430 43
		\$29,430 43
DEDIA		
DEBIT.		
Cash, paid Commonwealth of Massachusetts, support of paupers	\$2,144 06	
Worcester Insane Hospital	4,741 49	
Worcester Insane Asylum	849 57	
Hospital Cottages	84 96	
Boston Insane Hospital	173 75	
Taunton Insane Hospital	550 63	
Danvers Insane Hospital	1,202 97	
Westboro Insane Hospital	1,601 28	
Amounts carried forward	\$11,348 71	\$29,430 43
	Ţ,,	, ,

Amounts brought forward	•	•		\$11,348 71	\$29,430 43
Medfield Insane Asylum				2,125 30	
Kurn Hattin Home . Massachusetts Hospital				200 00	
Massachusetts Hospital	for	Dips	50-		
maniacs Massachusetts Hospital for Massachusetts School for I City of Boston City of Cambridge				523 28	
Massachusetts Hospital for	r Enile	entics	·	247 90	
Massachusetts School for	Feeble	-Mind	ed.	798 26	
City of Roston	i ccijic	MIIII	cu,	860 15	
City of Boston City of Cambridge .	•	•	•	$\begin{array}{c} 860 \ 45 \\ 52 \ 87 \\ 60 \ 50 \\ \end{array}$	
City of Chalcas		•	•	02 01	
City of Chersea	•	•	•	00 00	
City of Everett	•	•	•	5 00	
City of Malden		•	•	34 75	
City of Chelsea City of Everett City of Malden City of Marlboro . City of Medford		•		$167 \ 05$	
City of Medford .				$116 \ 33$	
City of Newton City of Worcester . Town of Attleboro . Town of Dedham .				15 71	
City of Worcester .				13 00	
Town of Attleboro .				205 00	
Town of Dedham			Ť	19 95	
Town of Framingham	•	•	•	44 72	
Town of Revere	•	•	•	10.70	
Town of Winchester	•	•	•	20 10	
Tiles Webster .		•	•	50 00 24 00	
Town of Framingham Town of Revere Town of Winchester Ellen Mahoney, cash allow Emma E. Perkins, cash al	vance	•	•	84 00	
Emma E. Perkins, cash al	lowan	ce .	•	60 00	
Mary Budreau, board		•	•	52 17	
Mabel Christie, board				47 16	
Lottie Reading, board				$52 \ 17$	
Mary Budreau, board Mabel Christie, board Lottie Reading, board Mrs. Clara Roberts, board	1 .			169 46	
Mary Carroll, board				13 15	
Mary Carroll, board Ann Cummings, board an Mrs. J. Campbell, board a Charles C. Folsom, salary	d nurs	sing		36 43	
Mrs I Campbell board	and ni	irsing	•	93 36	
Charles C. Folsom salary	7 26 20	rent	•	1 600 00	
disbursements .	as ag	CIIL	•	585 98	
		:4 h	:	909 90	
Arthur R. Perry, salary				000.00	
cian A. B. Dearborn, salary as Cora F. Lewis, secretary Laura E. Peavey, clerical J. H. Brooks, dry goods John L. Crafts, clothing F. W. Gilbert, boots and Philip Eberle, boots	• •	. : .		800 00	
A. B. Dearborn, salary as	s city j	physici	an,	378 34	
Cora F. Lewis, secretary			•	600 00	
Laura E. Peavey, clerical	assista	ınce		61 33	
J. H. Brooks, dry goods				$24 \ 75$	
John L. Crafts, clothing				6 00	
F. W. Gilbert, boots and	shoes			53 95	
Philip Eberle, boots .				24 85	
Abraham Goldstein, boot		•	•	1 00	
Lawler & Freeto, grocer		•	•	387 82	
William S. Ward, grocer	ios	•	•	104 40	
	ies .	•	•	76 00	
F. L. Card, groceries	• •	•	•	20 00	
W. H. Bullard, groceries		•	•		
Charles S. Butters, grocer	ries .	•	•	77 00	
Sawyer & Read, grocerie			•	166 00	
R. M. Sturtevant & Co., §	grocer	ies .		645 15	
N. R. Barrows, groceries				78 00	
James Davis, groceries				$140 \ 46$	
Charles F. Giles, groceri	es .			266 58	
A. F. Carpenter, grocerie	S			482 69	
W. P. Blanchard, groceri				170 88	
		100		372 50	
Medford-street Market, g	STUCCI	105 .	•	257 00	
James H. Maguire, groce D. E. Watson, groceries	eries	•	•	86 70	
D. E. Watson, groceries			•		
M. L. King, groceries	•		•	23 45 72 00	
C. L. Stevens, groceries	•		•	73 00	
				φα- Λ=0 -1	¢00 400 40
Amounts carried forward		•	•	\$25,073 51	\$29,430 43

Amounts brought forward	. \$25,073 5	1 \$29,430 43
A. E. Robie, groceries James Bartley, groceries F. E. Cheney Co., groceries J. G. Albee, groceries Duncan McKay, groceries	. 184 0	0
James Bartley, groceries	. 370 3	6
I. C. Albas gracerias	. 41 0	0
J. G. Albee, groceries	. 44 0	0
H. G. Applin, groceries Herbert E. Bowman, groceries Emerson R. Christopher, groceries George E. Grover, medicine C. H. Crane, medicine A. B. Grover, medicine G. W. Matthewson, medicine Fenelon's Pharmacy, medicine C. F. Bushee medicine	. 207 0	00 27
H. G. Applili, groceries	. 14 2 19 0	i (
Emerson P. Christopher groceries	. 15 9	0 0
Coorgo F. Crover medicine	9 9	5
C H Crane medicine	. 20	0 0
A B Grover medicine	19 5	0
G. W. Matthewson medicine	. 10 0	0
Fenelon's Pharmacy medicine		20
C. E. Bushee, medicine A. B. Dearborn, medicine	. 1 2	0
C. D. Dusilee, illedicine	•	0
A. B. Dearborn, medicine	. 138 3	15
Independent Pharmaceutical Co., med		0
cine	20.5	0
rine cine	20 0	5
Milton H. Plummer medicine	20 3	5
John A Stewart medicine	. 204 0	15
Howard Hamblen medicine	1 0	5
Howard Hamblen, medicine W. B. Fitts, medicine Furbush & Furbush, medicine Marshall-street Pharmacy, medicine E. F. Chaffee, medicine Frederick W. Gay, medicine Alameda Co., medicine	35 9	0 15
Furbush & Furbush medicine	. 99 6	70
Marshall-street Pharmacy medicine	3 8	80
Marshall-street Pharmacy, medicine E. F. Chaffee, medicine Frederick W. Gay, medicine Alameda Co., medicine R. G. Perkins, medicine Codman & Shurtleff, ankle frame Charles W. Daley, ambulance W. A. Flaherty & Son, burial	4 9	20
Frederick W Gay medicine	. 72	15
Alameda Comedicine	17.5	5
R G Perkins medicine	10.4	5
Codman & Shurtleff ankle frame	. 10 4)))
Charles W Daley ambulance	15.0	0
Charles W. Daley, ambulance W. A. Flaherty & Son, burial John S. McGowan, burial Francis M. Wilson, burial	. 57 0	00
Francis M Wilson burial	15 0	00
Francis M. Wilson, burial P. H. Rafferty, burial Alfred E. Mann, burial Joseph J. Kelley & Son, burial Royal Cross Chemical Co., disinfectant W. F. Flemming, mending chair Derby Desk Co., repairing Union-square Furniture Co., lignum	40.0	0
Alfred F Mann burial	93 ()	0
Joseph I Kelley & Son burial	5.0	0
Royal Cross Chemical Co. disinfectant	. 9 0	0
W H Flemming mending chair	1 1	0
Derby Desk Co repairing		5
Union-square Furniture Co., lignum	. 4 0	1
Arthur C. Gordon, painting	. 3 6	
Somerville Journal Co., printing .	51 2	
Aaron R. Gay & Co., stationery .	. 13 5	
Smith Premier Typewriter Co., ribbon		5
J. L. Fairbanks & Co., stationery.	. 18 å	
Thomas Groom & Co., directory .	. 3 0	
Library Bureau, cards	. 7 1	
F. S. Blanchard & Co., year book .	$\dot{3}$ $\dot{0}$	
Frank A. Teel. fuel	. 16	
Wellington-Wild Coal Co., fuel .	688 8	
Fresh Pond Ice Co., ice	. 4 5	
New England Telephone & Telegrap		
Co., rentals and tolls	90 8	8
George E. Lowell, carriage hire	. 55	
Cambridge Gas Light Co., gas		20
Amounts carried forward	. \$27,546 7	7 \$29,430 43

Amounts Support wood,		or, (City		• • :	accou	nt,	\$27,546		\$29,430 43
Somerville :	Hospit	al, ar	nou	nt tra	nsf	erred		\$27,783 1,388		
								\$29,171	15	
Excess and account		ency,	bala	ance to	0 0	redit	of	259	90	
accou		•	•	•	•	•	•	<u> </u>		\$29,430 43
	,									
Taxes.										
				С	RE	DIT.				
Cash, receiv	ed for	taxes	of	1890				\$2	00	
	66	"	"	1892				6	00	
"	• • •	"	"	1893	•	•			55	
"	"	66	66	1894	•	•	•		00	
"	"	"	66	1895	•	•	٠	235		
"	66	"	66	1896	•	•	•	306		
"	66	66	66	1897	•	•	•	486		
"	66	66	66	1898	•	•	•	1,699		
66	66	66	66	1899	•	•	•	83,384		
66	66	66	66	$\frac{1900}{1901}$	•	•	•	194,057 634,105		
				1901	•	•	•	054,105	09	\$914,327 15
Overlay and	Abate	ment	•							\$314,021 10
Abatemen				1800				\$7,140	00	
Abatemen "	"	"		893	•	•	•		00	
"	"	66		894	•	•	•		00	
"	"	66		895	•	•	•	5,049		
"	66	66		896	•	•	•	932		
"	"	66	" 1	207	•	•	•	593		
"	66	66	" 1		•	•	•	886		
46	"	66		899	•	•	•	2,409		
· ·	"	"		900	•	•	•	1,396		
"	"	66		901	•	•	•	4,772		
			1	./01	•	•	•		10	23,197 85
Sundry Pers	sons, a	moun	t cc	lected	1 b	v Ira	F.	Legrow, a	nd	20,101 00
	turned									858 00
Taxes transf							of A	ldermen		1,024 56
Taxes previ										2 00
Real Estate				crued	to	city				1,659 81
	•					•				
										\$941,069 37
Balance to								40	^ ^	
Being unc	ollecte	d tax			٠	•	•		00	
"	"	66	٠,	1099	•	•	•	88		
"	66	66	6	1034	٠	•	•	302		
"	66	"	6.	TOGO	•	•	•	1,406		
"	66	"	6	TOOU	•	•	•	5,731		
66	66	66	6	TOST	•	•	•	7,133	00	
"	"	"	61	TOBO	•	•	•	6,567		
"	66	"	6	1099	•	•	•	5,118		
"	66	"	6	1900	•	•	•	46,195		
			·	1901	•	•	•	269,462	10	342,008 09
										342,000 09
Amount c	arried	forwa	ard				•			\$1,283,077 46

A			ф1 909 077 AC
Amount brought forward	•		\$1,283,077 46
DEBIT.			
Balance from 1900		\$374,729 29	
Taxes previously credited		7 26	
Appropriations, amounts appro-			
priated for current expenses from Taxes of 1901,			
viz.:—			
	00 00		
City Auditor 73	50 00		
City Clerk 6,90 City Engineer	00 00		
City Engineer			
City Messenger 2,35 City Solicitor 2,35			
	00 00		
Clerk of Committees and De-	,,,		
	00 00		
Contingent Fund 4,50	00 00		
Election Expenses:—			
	00 00		
Commissioner of Public	10 00		
Buildings 1,00 Pay of Election Officers . 1,70	00 00		ı
Registrars of Voters 1,80	00 00		
	00 00		,
Executive Department 3,70	00 00		
Fire Department 60,90	00 00		
Health Department 34.80	00 00		
Inspection of Buildings 4,50			
m made a distribution of the	00 00		
	00 00		
	00 00		
Public Buildings Maintenance:—			
City Hall 4,00	00 00		
City Hall Annex	75 00		
Hiro Doppertment 150	00 00		
	$\begin{array}{cccc} 00 & 00 & 00 \\ 00 & 00 & 0 \end{array}$		
Iligiiways	00 00		
	00 00		
	00 00		
Schoolhouses 42,50	00 00		
Sewer Department 10 Support of Poor 92	00 00		
Support of Poor			
Water Department 15			
Public Grounds 9,50	00 00		
Public Library 14,00 Reduction of Funded Debt . 74,00	00 00		
School Contingent 21,00	$00 \ 00$		
School Teachers' Salaries . 203,00	00 00		
Sealer of Weights and Measures 1,30			
Soldiers' Relief 15,00 Somerville Hospital 5,00			
Somerville Hospital 5,00	00 00		
Street Lights	00 00		
Support of Poor, Miscellaneous 19,00	00 00		
		726,200 00	
Amounts carried forward	•	\$1,100,936 55	\$1,283,077 46

Amounts brought forward \$1,100,936 55 Commonwealth of Massachusetts, amount assessed for state tax	\$1,283,077	46,
the Assessors, including additional		
warrants	\$1,283.077	46
Temporary Loans.		
CREDIT.	+050000	
Balance from 1900	\$350,000	00
City Notes Nos. 495-500, six months, discounted at 3.30		
per cent.	200,000	00
City Note No. 502, eight months, interest at 3.50 per	100 000	00
cent	100,000	00
three months, \$100,000 four months,—discounted at		
4 per cent.	300,000	00.
4 per cent	,	
counted at 4 per cent	50,000	
City Note No. 517, six months, interest at 3.70 per cent.,	100,000	00
Temporary Loans, Note No. 487, renewed by No. 501, dated March 19, 1901, seven months, at 3¼ per cent.,	100,000	00
dated March 19, 1701, seven months, at 5/4 per cent.,	100,000	
	\$1,200,000	00°
DEBIT.	1	
Cash, paid as follows:—		
City Note No. 488, five months, eleven		
days, discounted at 3.45 per cent \$25,000 00		
City Note No. 489, five months, eleven days, discounted at 3.45 per cent 25,000 00		
City Note No. 490, five months, nineteen		
days, discounted at 3.45 per cent 25,000 00	•	
City Note No. 491, five months, nineteen		
days, discounted at 3.45 per cent 25,000 00		
City Note No. 492, four months, 4 per cent		
City Note No. 493, five months, 4 per		
cent		
City Note No. 494, six months, 4 per		
cent		
Amounts carried forward \$250,000 00	\$1,200,000	00

	\$250 000 0C	\$1,200,000 00
City Note No. 495, six months, dis-		
counted at 3.30 per cent	50,000 00)
counted at 3.30 per cent	50,000 00)
City Note No. 497, six months, discounted at 3.30 per cent	25,000 00)
City Note No. 498, six months, dis-	25,000 00	
counted at 3.30 per cent	,	
counted at 3.30 per cent	25,000 00)
counted at 3.30 per cent	25,000 00)
City Note No. 501, seven months, 3.25 per	50,000 00	,
cent	ĺ	
discounted at 4 per cent City Notes Nos. 507-510, three months,	100,000 00	
discounted at 4 per cent	100,000 00	
discounted at 4 per cent	100,000 00	
Temporary Loans, Note No. 487, renewed by No. 501, dated March 19,		
1901, seven months, at 3¼ per cent.	100,000 00	
	\$900,000 00	
Balance to credit of account, 1902	300,000 00	\$1,200,000 00
		φ1,200,000 00
Water Loan Interest.		
,		
Water Works Income amount appropriated		\$8 270 0 0
Water Works Income, amount appropriated		\$8,270 0 0
Water Works Income, amount appropriated DEBIT.		\$8,270 00
Water Works Income, amount appropriated DEBIT. Coupons Unpaid account, coupons due on:— \$10,000, one year, at 5½ per cent	\$550 00	
Water Works Income, amount appropriated DEBIT. Coupons Unpaid account, coupons due on:— \$10,000, one year, at 5½ per cent \$189,000, one year, at 4 per cent	\$550 00 7,560 00	
Water Works Income, amount appropriated DEBIT. Coupons Unpaid account, coupons due on:— \$10,000, one year, at 5½ per cent	\$550 00	
Water Works Income, amount appropriated DEBIT. Coupons Unpaid account, coupons due on:— \$10,000, one year, at 5½ per cent \$189,000, one year, at 4 per cent	\$550 00 7,560 00	
Water Works Income, amount appropriated DEBIT. Coupons Unpaid account, coupons due on:— \$10,000, one year, at 5½ per cent \$189,000, one year, at 4 per cent	\$550 00 7,560 00	
Water Works Income, amount appropriated DEBIT. Coupons Unpaid account, coupons due on:— \$10,000, one year, at 5½ per cent \$189,000. one year, at 4 per cent \$8,000, six months, at 4 per cent	\$550 00 7,560 00	
Water Works Income, amount appropriated DEBIT. Coupons Unpaid account, coupons due on:— \$10,000, one year, at 5½ per cent \$189,000, one year, at 4 per cent \$8,000, six months, at 4 per cent Water Maintenance. CREDIT.	\$550 00 7,560 00	\$8,270 00
Water Works Income, amount appropriated DEBIT. Coupons Unpaid account, coupons due on:— \$10,000, one year, at 5½ per cent \$189,000, one year, at 4 per cent \$8,000, six months, at 4 per cent Water Maintenance. CREDIT. Water Works Income, amount appropriated Water Works Extension, amount transferred	\$550 00 7,560 00 160 00	\$8,270 00 \$80,000 00 6,000 00
Water Works Income, amount appropriated DEBIT. Coupons Unpaid account, coupons due on:— \$10,000, one year, at 5½ per cent \$189,000, one year, at 4 per cent \$8,000, six months, at 4 per cent Water Maintenance. CREDIT. Water Works Income, amount appropriated Water Works Extension, amount transferred Water Service Assessments, amount transferred Cash, received of sundry persons, costs .	\$550 00 7,560 00 160 00	\$8,270 00 \$30,000 00 6,000 00 4,041 39
Water Works Income, amount appropriated DEBIT. Coupons Unpaid account, coupons due on:— \$10,000, one year, at 5½ per cent \$189,000, one year, at 4 per cent \$8,000, six months, at 4 per cent Water Maintenance. CREDIT. Water Works Income, amount appropriated Water Works Extension, amount transferred Water Service Assessments, amount transferred Cash, received of sundry persons, costs . Boston Elevated Railroad, laving pipe .	\$550 00 7,560 00 160 00	\$8,270 00 \$30,000 00 6,000 00 4,041 39
Water Works Income, amount appropriated DEBIT. Coupons Unpaid account, coupons due on:— \$10,000, one year, at 5½ per cent \$189,000, one year, at 4 per cent \$8,000, six months, at 4 per cent Water Maintenance. CREDIT. Water Works Income, amount appropriated Water Works Extension, amount transferred Water Service Assessments, amount transferred Cash, received of sundry persons, costs . Boston Elevated Railroad, laying pipe . William T. Henderson, repairing shut-	\$550 00 7,560 00 160 00 229 21 2 85	\$30,000 00 6,000 00 4,041 39
Water Works Income, amount appropriated DEBIT. Coupons Unpaid account, coupons due on:— \$10,000, one year, at 5½ per cent \$189,000, one year, at 4 per cent \$8,000, six months, at 4 per cent Water Maintenance. CREDIT. Water Works Income, amount appropriated Water Works Extension, amount transferred Water Service Assessments, amount transferred Cash, received of sundry persons, costs . Boston Elevated Railroad, laying pipe . William T. Henderson, repairing shut-	\$550 00 7,560 00 160 00 	\$30,000 00 6,000 00 4,041 39
Water Works Income, amount appropriated DEBIT. Coupons Unpaid account, coupons due on:— \$10,000, one year, at 5½ per cent \$189,000, one year, at 4 per cent \$8,000, six months, at 4 per cent Water Maintenance. CREDIT. Water Works Income, amount appropriated Water Works Extension, amount transferred Water Service Assessments, amount transferred Cash, received of sundry persons, costs . Boston Elevated Railroad, laying pipe . William T. Henderson, repairing shutoff	\$550 00 7,560 00 160 00 229 21 2 85	\$8,270 00 \$30,000 00 6,000 00 4,041 39
Water Works Income, amount appropriated DEBIT. Coupons Unpaid account, coupons due on:— \$10,000, one year, at 5½ per cent \$189,000, one year, at 4 per cent \$8,000, six months, at 4 per cent Water Maintenance. CREDIT. Water Works Income, amount appropriated Water Works Extension, amount transferred Water Service Assessments, amount transferred Cash, received of sundry persons, costs . Boston Elevated Railroad, laying pipe . William T. Henderson, repairing shutoff	\$550 00 7,560 00 160 00 162 00 229 21 2 85 9 99	\$8,270 00 \$30,000 00 6,000 00 4,041 39
Water Works Income, amount appropriated DEBIT. Coupons Unpaid account, coupons due on:— \$10,000, one year, at 5½ per cent \$189,000, one year, at 4 per cent \$8,000, six months, at 4 per cent Water Maintenance. CREDIT. Water Works Income, amount appropriated Water Works Extension, amount transferred Water Service Assessments, amount transferred Cash, received of sundry persons, costs . Boston Elevated Railroad, laying pipe . William T. Henderson, repairing shutoff	\$550 00 7,560 00 160 00 \$162 00 229 21 2 85 9 99 5 51	\$30,000 00 6,000 00 4,041 39

Amounts brought forward J. P. Squire & Co., repairing water main, J. Arthur Crawford, repairing service	\$469 65 27 62	\$40,041 39
pipe	1 00	
labor	15 00	
fire supply	449 78	
Aime A. Giroux, replacing service pipe.	4 00	
Homer C. Holt, replacing service pipe. Middlesex Bleachery, Dye & Print	68 21	
Works, lead, etc.	22 55	
Braman, Dow, & Co., lead and packing, Assignee John P. Squire & Co., setting	4 50	
hydrant, etc	73 00	
ings and fittings	22 47	
Charlestown Gas & Electric Co., fittings,	13 00	
R. D. Wood & Co., repairing main pipe,	72 67	
Nathan H. Reed, replacing service pipe,	19 50	
Skilton, Foote, & Co., repairs	2 60	
Boston Hair & Bristle Co., service pipe.	13 76	
Holbrook, Cabot, & Daley, pipe	53 80	
Holbrook, Cabot, & Daley, pipe Thomas C. Connor, fittings	2 90	
Frank Mead, fittings	1 50	
Somerville Hospital, fire pipe	64 84	
John J. Morrow, old hose	45 00	
Max Ruben, old iron	129 54	
Osgood & Witherly, old iron	46 51	
Somerville Electric Light Co., moving		
fire pipes, etc	23 75	
Henry W. Dow, manure	10 00	
Dudley F. Hunt, et al., deficiency in		
revenue	17 00	
Lead Lined Iron Pipe Co., bill previously		
paid	262 69	
Sewers Construction account, pipe	37 50	
Water Service Assessments, stock	146 40	
Water Services, stock	2,535 90	
Water Works Extension, stock	10,133 06	
		14,789 70
D DD IM		\$54,831 09
DEBIT.		
Cash, paid laborers	\$17,102 55	
missioner	2,300 00	
disbursements	257 54	•
Florence E. Barton, first assistant clerk		
to commissioner	780 00	
clerk to commissioner	600 00	
Edward M. Shedd, inspector	1,200 00	
G. W. Ladd, grain	579 29	
Fulton O'Brion, hav	64 12	
Nathan Tufts & Sons, grain	122 40	
I. B. Walker, horseshoeing	$23 \ 25$	
Edward O'Brien, horseshoeing	71 75	1
John B. Rufer, horseshoeing	54 40	
	#20.155 OC	DE 4 001 00
Amounts carried forward	\$23,155 30	\$54,831 09

Amounts brought forward E. Spalding, harness work Spalding Harness Co., harness work	\$23,155 30	\$54,831 09
E. Spalding, harness work	13 98	
Spalding Harness Co., narness work	34 33	
Thomas Arbina harness	0 00 25 00	
William H Hitchings veterinary ser-	40 00	
vices	19.50	
William F. Emerson, salt hay Thomas Arbing, harness William H. Hitchings, veterinary services Charles A. Claffin & Co., valves Hersey Mfg. Co., meter parts	20 90	
Hersey Mfg. Co., meter parts	13 71	
Union Water Meter Co., meter parts .	911 30	
Harold L. Bond & Co., steel	56 05	
Chadwick Lead Works, pig lead	1,356 18	
Chadwick-Boston Lead Works, lead pipe,	212 12	
Edson Mfg. Co., fittings	86 94	
Harold L. Bond & Co., steel Chadwick Lead Works, pig lead Chadwick-Boston Lead Works, lead pipe, Edson Mfg. Co., fittings Sumner & Goodwin Co., fittings Boston Lockport Block Co., repairs R. D. Wood & Co., pipe F. E. Fitts Mfg. & Supply Co., lead seals,	604 66	
Boston Lockport Block Co., repairs .	10.000.00	
K. D. Wood & Co., pipe	10,222 93	
W. E. Pluman & Co. hardware	1 (0	
W. E. Plumer & Co., hardware	$\begin{array}{ccc} 228 & 44 \\ 156 & 04 \end{array}$	
Underhill Hardware Co., hardware E. S. Sparrow & Co., hardware Braman, Dow, & Co., fittings	0 10	
Braman, Dow, & Co., fittings.	2 18 874 50	
John P. Wahlstrom & Son, paint	13 70	
W. L. Snow, paint	4 55	
Edgar Hall, machine labor	4 55 17 67 20 64	
Hall Bros., machine labor	20 64	
Edgar Hall, machine labor	870 38	
Osgood & Witherly, castings	780 46	
	48 24	
Davis & Farnum Mfg. Co., castings .	127 24	
W. C. Young Mig. Co., repairing lathe.	$ \begin{array}{r} 48 \ 24 \\ 127 \ 24 \\ 2 \ 50 \\ 20 \ 22 \end{array} $	
1. L. Mott from Works, fountain	39 33 7 30 12 97	
Edward Kendall & Sons, tube	7 30	
Howe & Flint, pipe	12 97	
Waldo Bros., drain pipe	9 79 2 17 111 15 114 58	
Hale & Mayhey Co repairing wagons	111 15	
Walworth Mfg. Co., repairing tools	114 58	
Peter Grav. lantern caps	1 00	
Herbert Wood, filing saws	2 40	
M. A. Simpson, sand	$\begin{array}{ccc} 2 & 40 \\ 23 & 00 \end{array}$	
O. T. Gould, repairing clock	5 00	
Joshua Baker, packing	23 72	
Henry C. Hunt Co., leather	12 50	
Thompson Meter Co., meters	113 88	
Neptune Meter Co., meters	55 24	
National Meter Co., repairing meters .	48 43	
Crosby Steam Gage & Valve Co., charts,	4 00	
C. R. Hildred, labor	30 50	
Edward M. Shedd, aquaphone	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	
Electrical Appliance Co., aquaphone	$\begin{array}{c} 3 & 10 \\ 2 & 58 \end{array}$	
Coffin Valve Co., water gates	886 10	
Boston Woven Hose & Rubber Co.,	000 10	
hose	78 56	
Cornelius Callahan Co., hose	50 00	
Somerville Iron Foundry, castings Andrew J. Lloyd & Co., instruments .	63 13	
Andrew J. Lloyd & Co., instruments .	67 50	
Chapman Valve Mfg. Co., spindles	55 36	
A	<u> </u>	фг.4.00.1.00
Amounts carried forward	\$41,724 01	\$54,831 09

Amounts brought forward .			\$41,724 01	\$54,831 09
City of Lowell, fittings			4 50	φο 1,001 00
John M. Woods & Co., lumber		Ť	9 60	
Charles L. Underhill, repairing to	ols	•	221 60	
F Dooris renairing tools	010	•	200 06	
Charles F Merrill repairing tools	•	•	200 00	
City of Lowell, fittings John M. Woods & Co., lumber Charles L. Underhill, repairing too F. Dooris, repairing tools Charles F. Merrill, repairing tools A. J. Wilkinson & Co., tools Boston Bolt Co., bolts	•	•	0 0 1	
Poston Polt Co. holts.	•	•	02 02	
Boston Bolt Co bolts S. G. Bailey, tools Frank A. Teele, lumber	•	•	$ \begin{array}{r} 17 & 08 \\ 3 & 00 \\ 2 & 50 \\ 251 & 21 \end{array} $	
5. G. Bailey, tools	•	•	3 00	
Frank A. Leele, lumber	•	•	2 50	
S. W. Fuller, lumber Teele & Foster Lumber Co., lumb	•	•	$251 \ 21$	
Teele & Foster Lumber Co., lumb	er		54 91	
G. W. Gale Lumber Co., lumber	•		90	
Ludlow Valve Mfg. Co., repairing	gate		2 10	
G. W. Gale Lumber Co., lumber Ludlow Valve Mfg. Co., repairing Thomas Casey, bricks			38 40	
william R. Maxwell, bricks .			41 00	
Thomas Casey, bricks William R. Maxwell, bricks Lead Lined Iron Pipe Co., pipe American Powder Mills, dynamite			$1.443 \ 32$	
American Powder Mills, dynamite			17 25	
Fred W. Farrar, repairing clock			1 50	
Pelton Water Wheel Co., motor		•	22.50	
Holt Shattuck & Co. pulleys	•	•	2 12	
Holt, Shattuck, & Co., pulleys . James H. Roberts & Co., pulleys	•	•	4.1 3.1	
Norwood Engineering Co., hydran	+	•	22 50 2 12 44 34 321 47	
Pobert W Neff blackite	L	•	2 50	
Robert W. Neff, blackite Boston Lead Mfg. Co., hydrant pur	ma	•	3 50 46 80 17 10 33 25	
A W Chastarter & Co. maling	шр	•	40 00	
A. W. Chesterton & Co., packing Miller & Shaw, rods	•	•	17 10	
Miller & Snaw, rous	•	•	33 23	
Daniel Morrison, hose John P. Squire & Co., sawdust. The Fairbanks Co., repairing valve S. Armstrong Co., barrel. James Bartley. salt.	•	•	01 45	
John P. Squire & Co., sawdust.	•	•	1 90	
The Fairbanks Co., repairing valve	•	•	4 00	
S. Armstrong Co., barrel			1 00	
James Bartley, salt			$\begin{array}{c} 65 \\ 15 00 \end{array}$	
Eastern Sait Co., sait			15 00	
Elias Lathrop, ointment			4 00 47 00	
New England Oil Co., oil			47 00	
Elias Lathrop, ointment New England Oil Co., oil Charles Booth, wood			$52 \ 00$	
F. W. Gilbert, boots			3 00	
Philip Eberle, boots			5 00	
Henry F. Jenks, drinking cups			3 00	
McKay & Stockton, soap .			1 20	
Milton H. Plummer, medicine			8 00	
Chapman & Soden, pitch .			$9 \ 00$	
J. W. Howard, plants	· ·	•	21 69	
Boston Elevated Railway Co., ticke	· >tc	•	40 00	
E. C. Hartshorn, prints		•	3 75	
Thomas Groom & Co., office suppli	•	•	147 67	
C , T , C , T	ies	•	1 13	
	•	•		
Citizen Co., cards	•	•	162 88	
Somerville Journal Co., printing		•	251 37	
Smith Premier Typewriter Co.,	type	-	e= 00	
writer	•	•	$65\ 00$	
Engineering News, subscription	•	•	5 00	
Fire and Water, subscription .	•	•	3 00	
Municipal Engineering, subscription	n .	•	2 00	
Somerville Post-office, postage	•	•	63 00	
F. S. Blanchard & Co., book .			3 00	
Davis & Underhill, use of telephone			1 40	
Jesse J. Underhill, use of telephone			1 50	
Fred S. Young, expenses .			2 20	

Amounts carried forward

. \$45,606 27 \$54,831 09

Amounts brought forward \$45,606 27 New England Telephone & Telegraph Co., rentals and tolls	\$54,831 09
Water Works Income, balance to credit of	
account	\$54,831 09
	φο1,οο1 σο
Water Works, Abatements on Water Charges. CREDIT.	
Water Works Income, amount appropriated	\$500 00
	φοσο σσ
DEBIT.	
Cash, paid sundry persons, money refunded, Metered Water Charges, water charges abated	
Water Works Income, balance of appropria-	
tion returned	
	\$500 00
Water Works Extension.	
CREDIT.	
Water Works Income, amount appropriated Cash, received of Highways, Watering Streets account,	\$25,000 00
water posts	313 52
·	\$25,313 52
DEBIT.	, ,
Cash, paid laborers \$6,814 25 Charles A. Kelley & Co., on account of	
contract 1,897 47	
J. S. Lovering, freight 2 03	
Amounts carried forward \$8,713 75	\$25,313 52

Amounts brought forward	\$25,313 52
account	\$25,313 52
Water Works Income.	
CREDIT.	
Metered Water Charges, water bills uncollected, 1901. Metered Water Charges, last quarter 1901, uncollected. Water Maintenance, balance of appropriation returned. Water Works Extension, balance of appropriation returned.	\$294 02 13,366 25 3,120 47 107 93
Water Works, Abatements on Water Charges, balance of appropriation returned	241 03
politan Water Assessment, rebate on water receipts 1,815 77	900 400 00
	200,498 98
•	\$217,628 68
DEBIT.	
Water Maintenance account, amount appropriated \$30,000 00 Water Works Extension, amount appro-	
priated	
Charges, amount appropriated 500 00	
Sewers Maintenance, amount appropriated, 10,350 00 Reduction of Funded Debt, amount appro-	
priated	
appropriated 8,000 00	
Interest (Sewer), amount appropriated . 6,440 00 Interest (Water), amount appropriated . 8,270 00 Metropolitan Water Assessment amount appropriate	
Metropolitan Water Assessment, amount appropriated	
Reduction of Funded Debt, amount appropriated 40,249 97	
priated	\$217,628 68

TABLE D. - BALANCES DECEMBER 31, 1901.

TABLE D BALLING		DH	Zill Zil Oly	
Cash · · · ·			. \$24,333 60	
Accessors			56 47	•
Assessors Commonwealth of Massachusetts Health Department Lighways			. 13,015 00	
Health Department	·	·	. 2,614 78	
II: description	•	•	,011 .0	7
nighways.—			F 050 01	*
Paved Gutters and Crossings	•	•	. 0,500 94	
Boston-avenue Bridge .	•	•	706 86	
Paving Davis Square			. 316 80	
Highway Betterment Assessment	ts		. 62 45	
Metered Water Charges .			. 13,755 31	
Military Aid			. 32 00	
Public Ruildings Maintenance:-				
Police			5 99	
Cahaalhayaaa	•	•	6 560 71	
D 11: T 1 Ditmon In			5,000 11	
Public Library, Isaac Pitman In	vesti	ment	0,000 00	
Paved Gutters and Crossings Boston-avenue Bridge Paving Davis Square Highway Betterment Assessment Metered Water Charges Military Aid Public Buildings Maintenance: Police Schoolhouses Public Library, Isaac Pitman In Public Property Real Estate Liens School Contingent	•	•	. 5,509,110 82	
Real Estate Liens	•	•	4,489 05	
School Contingent			. 2,354 80	
Sewer Assessments			. 2,878 95	
Sidewalk Assessments			5,890 62	
Sidewalks Construction			2.624 19	
Sidewalks Maintenance	•	•	1 711 69	
Coldina' Dolief	•	•	\$22 86	
Soldiers Relief	•	•	. 044 00 949 000 00	
School Contingent Sewer Assessments Sidewalk Assessments Sidewalks Construction Sidewalks Maintenance Soldiers' Relief Taxes City Auditor	•	•	. 542,008 09	040 40
			•	φιο το
City Clerk	•	•	•	744 17
City Engineer	•	•	•	273 67
City Messenger			•	212 80
City Clerk			•	121 46
City Treasurer			•	2,410 88
Contingent Fund			•	786 73
City Treasurer				25,265 00
Flection Expenses:	•	·		20,200 00
Election Expenses:— City Clerk Commissioner of Public Buildin				334 39
Commissioner of Public Buildir	•	•	•	290 97
Description Officers	ıga	•	•	
Pay of Election Officers . Registrars of Voters	•	•	•	115 00
Registrars of voters	•	•	•	319 00
Electrical Department	•	•	•	73 95
Electrical Department			•	641 37
Executive Department Fire Department				43 83
Fire Department			•	212 57
Funded Debt				1,461,000 00
Highways:—	Ť			_,,
Construction				963 36
Maintenance	•	•	•	
	•	•	•	11,291 66
Paving Washington Street	•	•	•	212 46
Paving Cross Street	•	•	•	1,900 80
Watering Streets	•		•	202 35
Inspection of Buildings			•	7 97
Interest		•		6,486 39
Overlay and Abatement .				4,637 11
Overplus on Tax Sales				118 13
Police				1,883 61
Powder House Boulevard .				3 10
Printing and Stationery .	•	•	•	579 07
Property and Debt Balance .	•	•		2,048,116 82
	•			2,040,110 02
Public Buildings Construction:				07.490.00
Schoolhouse in Ward One	•			27,488 82
A			d0 040 710 00	<u> </u>
Amounts carried forward	•		\$3,943,713 98	\$3,596,785 84

Amounts brought forward				\$3,943,713 98	\$3,596,785 8	4
Shed at City Home .					7 8	2
Public Buildings Maintenance	:					
City Hall					- 128 5	9
City Hall Annex					611 10	0
Fire Department					693 90	6
Health Department .					112 00	6
Fire Department					64 79	9
Public Grounds					78 50	0
Public Library					80 63	3
Sewer Department .					86 8'	7
Support of Poor					405 70	0
Water Department .	•				29 20	0
Public Grounds	•				4 18	8
Public Grounds:—						
Athletic Apparatus .	•				11 4	5
Athletic Field in Ward Seve	en				$2,246 \ 08$	5
Land for Park Purposes					240 30	
Land on Prospect Hill					3,680 00	
Prospect Hill Park Public Library					7,500 00	
Public Library					220 75	
Public Library:—						
Addition					1,320 35	5
Isaac Pitman Fund, Art .					4,000 00	
Isaac Pitman Fund, Poetry					1,000 00	
Isaac Pitman Fund Income,	Art				18 91	
Isaac Pitman Fund Income,	Poe	trv			45 75	
Reduction of Funded Debt .		,			11,175 98	
Sealer of Weights and Measur					433 18	
Sewers Construction					10,748 17	7
Sewers Maintenance					183 12	
Street Lights					753 22	
Sundry Persons					437 51	
Support of Poor, City Home					350 77	
Support of Poor, Miscellaneon	1S				259 28	
Support of Poor, Miscellaneou Temporary Loans					300,000 00)
				\$3,943,713 98	\$3,943,713 98	3
						-

APPROVAL OF TREASURER'S REPORT.

In Committee on Finance, February 10, 1902.

To the Board of Aldermen of Somerville:-

The Committee on Finance, to which was referred the report of the Treasurer and Collector of Taxes for the year 1901, reports that in compliance with section 7 of chapter 4 of the Revised Ordinances of 1900, it has, in conjunction with the Auditor, examined and audited the books and accounts of the Treasurer and Collector of Taxes for the year ending December 31, 1901, and in the manner prescribed by said section.

A careful comparison has been made with the books of the City Auditor, and with the financial statements received from the committees, boards, and officers of the city accountable for the use of the city funds.

The cash account has been verified by actual count of the cash on hand, and the balances shown to be in the banks of deposit have been

confirmed by the officers of the several banks.

The committee reports, as a result of the examination, that no errors were discovered in the accounts of the Treasurer and Collector, and commends the neatness of his books, and the care with which they are kept, and recommends that his report be accepted and printed in the annual reports of 1901.

WILLIAM H. WOODBERRY,
JAMES F. REYNOLDS,*

JAMES WATTERS,
JACKSON CALDWELL,
HORACE A. BELCHER,
EDWIN N. SIMONDS,
WARREN C. DAGGETT,

Committee

Finance.

In Board of Aldermen, February 18, 1902. Accepted.

GEORGE I. VINCENT, City Clerk.

REPORT OF THE SCHOOL COMMITTEE.

City of Somerville.

School Committee Rooms, December 27, 1901. Ordered, that the annual report of the Superintendent be adopted as the annual report of the Board of School Committee, it being understood that such adoption does not commit the Board to the opinions or recommendations made therein; that it be incorporated in the reports of the City Officers; and that 1,000 copies be printed separately.

G. A. Southworth,
Secretary of School Board.

SCHOOL COMMITTEE, 1901.

S. Newton Cutler,		. Chairman
George A. Miles,		Vice-Chairman
7	Members.	
	vicinibers.	Term expires
	VARD ONE.	January.
S. Newton Cutler,	28 Flint street.	1902
GEORGE S. POOLE,	46 Mt. Vernon street.	1903
W	VARD TWO.	
JOHN H. O'NEIL,	44 Oak street.	1902
EDWARD J. FLYNN,	273 Washington street.	1903
W	ARD THREE.	
ALVAH B. DEARBORN,	34 Bow street.	1902
DANA W. BENNETT,	41 Putnam street.	1903
° W	ARD FOUR.	
GEORGE W. W. WHITING,	282 Broadway.	1902
WILLIAM P. JONES,	13-A Maple avenue.	1903
v	VARD FIVE.	
Quincy E. Dickerman,	85 Central street.	1902
J. WALTER SANBORN,	183 Central street.	1903
7	WARD SIX.	
Frederick A. P. Fiske,	44 Cherry street.	1902
FRED M. CARR,	12 Westwood road.	1903
W	ARD SEVEN.	
George A. Miles,	249 Elm street.	1902
HENRIETTA B. H. ATTWOOD,	18 Herbert street.	1903
The Committee holds its rea	gular meetings on the last	Monday even-

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

Superintendent of Schools.

GORDON A. SOUTHWORTH.

Office: City Hall Annex, Highland avenue.
Residence: 40 Greenville street.
The Superintendent's office will be open from 8 to 12 and from 1.30 to 5; Saturdays, 8 to 10. His office hours are from 4 to 5 on school days and 8 to 9 on Saturdays.
Office telephone, 314; house telephone, 12.
Cora S. Fitch, Superintendent's clerk, 273 Medford street.

STANDING COMMITTEES, 1901.

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

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

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

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

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

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

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

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

Additional School Accommodations.—Miles, Cutler, O'Neil, Dearborn, Whiting, Dickerman, Fiske.

Evening Schools.—Dickerman, Dearborn, Fiske.

Finance.—Bennett, Poole, Flynn. Industrial Education.—O'Neil, Mrs. Attwood, Carr.

Music.—Mrs. Attwood, Bennett, Dickerman.

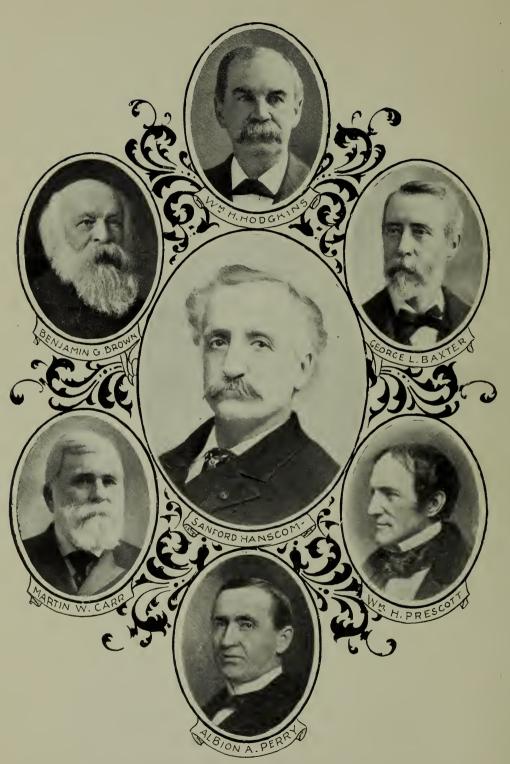
Private Schools.—Flynn, Whiting, Carr.

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

Rules and Regulations.—Fiske, Jones, O'Neil. Salaries.—Whiting, Sanborn, Cutler.

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





SOMERVILLE CITIZENS AFTER WHOM NEWER SCHOOLS ARE NAMED.

REPORT OF THE SUPERINTENDENT OF SCHOOLS.

To the School Committee of Somerville:-

Somerville has existed as a prosperous municipality for sixty years,—thirty as a town and thirty as a city. Nearly 11,000 children are now being educated by the city at an annual expense of \$280,000. Your rules make it incumbent upon the Superintendent of Schools to report in detail how this is being done, to present important statistical facts, and to make such suggestions as he may deem proper in view of existing conditions. This it is my purpose to do with unusual brevity, in order that the annual report, accompanied as it is to be by the recently amended Rules and Regulations of the Board, may not be a volume of improper bulk. Let me first lay before you a

Summary of Statistics

that will give with the precision of figures the more important facts of attendance and expenditure, grouped and arranged for easy comparison with the previous year:—

1.-POPULATION OF SOMERVILLE.

United States census,	1890	.40,117
	1900	
Estimated population,	1901	.63,000

2. - SCHOOL BUILDINGS.

	1900.	1901.	Increase
Number of school buildings	24	25	1
Number of classrooms	222	230	8
Valuation of school property\$1	,105,604 \$	\$1,180,047	\$74,443

3.—TEACHERS.

	1900.	1901.	Increase.
In high schools	40	42	2
In grammar schools	127	132	5
In primary schools	91	92	1
In kindergartens	8	8	0
Total in elementary schools	226	232	6
Special	7	7	0
Total	278	281	8

4.-ATTENDANCE FOR YEAR.

	1900.	1901.	Increase.
Entire enrollment for the year	12,345	12,499	154
Average number belonging	9,823	9,991	163
Average number attending	9,174	9,350	176
Per cent. of daily attendance	93.4	93.6	0.2
High school graduates	131	153	22
Grammar school graduates	434	497	63

5.—ATTENDANCE IN DECEMBER.				
			901. Increas	se.
Whole number attending			2,296 545	
In private schools			1,653 267	
In public schools			0,643 278	
In high schools			1,071 63	
In elementary schools			381 24	
In kindergarten		186	191 5	
In first grade			1,50265	
In second grade			1,322 3 1,256 29	
In third grade			1,174 65	
In fourth grade			1,096 —15	
In sixth grade			1,038 118	
In seventh grade		756	826 70	
In eighth grade		641	616 —25	
In ninth grade		521	542 21	
6.—COST OF SCHOOL	OL MAIN	ΓENANCE.		
0. 602. 0. 20110	1900.	1901.	Increase.	
Salaries of teachers\$2		\$221,740.00		
Salaries of officers	4,733.00	4,816.00		
	15,735.00	18,707.00		
Cost of light	1,729.00	1,731.00		
	19,236.00	20,078.00		
Cost of fuel	10,840.00	13,723.00	2,883.0t	
Total cost of day and evening				
	60,403.00	280,796.00		
Per capita cost	26.51	28.10	1.59	
Cost of high school instruc-	45 050 00	45 510 00	0.060.06	
	45,350.00 48.28	47,710.00 47.71		
Per capita cost	40.20	41.11	-0.91	
7.—MISCEL	LANEOUS	s. ·		
Paid for new school	0.	1901.	Increase.	
	232.00	\$49,203.00	-\$2,029.00	
Repairs and permanent				
	45.00	11,000.00	10,745.00	
Total school expenditures 333,3	80.00	340,999.00	7 610 00	
Valuation of city 52,513,4	00.00	8 924 200 00	1 410 800 00	
Per cent. of valuation		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	1,110,000.00	
spent to maintain				
schools	0.495	0.521	0.026	
Per cent. of valuation				
spent for all school				
purposes	0.634	0.632	0.002	

School Buildings. There are in Somerville at the present time twenty-five school buildings, containing 230 classrooms. One schoolhouse,—the Jackson,—was demolished in September to make room for a new twelve-room structure now in process of erection, the completion of which will render needless the further use of the well-worn and antiquated Bennett and Prospect Hill buildings. Two new six-room houses have been occupied during the year.

The George L. Baxter Schoolhouse, situated on Bolton street in Ward 2, was completed in February last. To it a single class was transferred from the Knapp wardroom in March, and four additional classes, formed from pupils in the Knapp and Prospect Hill Schools, found delightful quarters there in September.

The Benjamin G. Brown School, located on the borders of Ward 6 in Willow avenue, was opened in September, every seat being occupied by pupils coming from the Burns, Highland and

Hodgkins Schools.

These two buildings are alike in plan and construction, with the single exception that the Baxter Schoolhouse has a flat roof, while the other has a hip-roof, and they are in every way well adapted to school purposes. The following is the architect's description, and elevations and floor plans will be found elsewhere:—

There are in these buildings 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 though 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.

The cost of these buildings was as follows:—

BAXTER.

Land, 11,000 feet	
Total	\$32.309.27

BROWN.

Land. 20,093 feet Building complete	\$5,023.25 31,844.30
Total\$	36,867.55

It is worthy of remark that these new buildings have been erected complete,—walls tinted, walks bricked and concreted. and yards curbed,—at less expense per classroom than any other school building in the city.

A brief sketch of the gentlemen whose honored names these schools are hereafter always to bear is here given:-

George L. Baxter, the son of William W. and Ann E. (Weld) Baxter, was born at Quincy, Mass., October 21, 1842, and is descended from Gregory Baxter, who came from England with Winthrop, and married Margaret Paddy, sister of William Paddy, of the Plymouth colony. obtained his early education in the Quincy schools, entering at eleven years upon a course preparatory to college with special reference to the profession of teaching, was admitted to Harvard College in 1859, and graduated with high honors in 1863. During his college course he had become well acquainted with the management of the public schools and the methods of instruction, and immediately on graduating began his work of teaching. He taught Latin and English in a private French school in Boston till April, 1864, when he was appointed, at the age of twenty-one, principal of the Reading High School. After remaining at Reading nine months, he was chosen principal of the Plymouth High School, as successor to A. P. Stone. He taught nearly three years at Plymouth, and in July, 1867, came to Somerville to the position of principal of the High School. He has had thirty-four graduating classes and 1,608 graduates, of whom over 400 have completed a course preparatory to college. In 1872 he married Ida F., daughter of William and Sarah E. L. (Berry) Paul, and has one son, Gregory Paul Baxter, a recent graduate of Harvard.

Besides filling various offices in other societies, he was secretary of John Abbot Lodge and Somerville Chapter of R. A. Masons for nearly twenty years, and he has been associate corporator and trustee of the

Somerville Savings Bank since its incorporation.

Benjamin G. Brown was born at Marblehead February 22, 1837. He was fitted for college in the Marblehead High School and entered Harvard in 1854, from which institution he was graduated in 1858. His first experience in teaching was as principal of the Marblehead Academy, where he taught from the fall of 1858 to the summer of 1861. He was then appointed tutor in mathematics in Tufts College. After serving successfully four years in that position, he was appointed Walker professor of mathematics in Tufts College. This position he holds to-day, December, 1901, having been connected with the college for forty years.

He served upon the School Committee of Somerville seventeen years and three months, between 1872 and 1894. In this connection he rendered valuable services to the city. his education and training admirably fitting him for the work. The excellence of our schools may be in a large measure attributed to his counsel and influence.

Eleven of our newer schools bear the full names of Somerville citizens, and thus the honor conferred is definite and obvious. Ten others are known by the last name only, which seems in some cases at least not to be sufficiently distinctive. We naturally connect the Lincoln School with Abraham Lincoln, the Morse School suggests at once the inventor of the telegraph, while "Prescott" brings to mind the commander at Bunker Hill. Is it not advisable that some action be taken, so that hereafter each school may be known by a complete name, and thus the honor which the city intended to confer be made specific and unmistakable?

Surely the names William H. Prescott, Joshua H. Davis, Clark Bennett, John A. Cummings, John S. Edgerly,

Charles Forster, Norman W. Bingham, Enoch R. Morse, Mark F. Burns, Charles S. Lincoln,

suggest men the memory of whose services and character may well be definitely perpetuated as a stimulus and an example to

the young.

With the abandonment of the three old buildings which the completion of the new Ward 1 Schoolhouse renders possible, every one of our schools will be housed in a way to promote the health and comfort and progress of our children. It is gratifying to record the fact that in general our schoolhouses are well cared for. Nearly all our janitors have the instinct of cleanliness; they are prompt, courteous, accommodating, and efficient. And yet if the standard set up recently by a leading university president, "A schoolhouse should be kept as clean as a hospital," is to be maintained, much remains to be done. monthly,—or in some cases a weekly,—scrubbing may well be substituted for the present quarterly house cleaning, and a daily sweeping may replace a semi-weekly one. No public gatherings can compete with schools in the opportunities for the spread of contagion or the distribution of germs, and it behooves us to insist not only on the safest possible schoolrooms, but also on absolute cleanliness of person and clothing on the part of the children who fill them.

Attention is again called to the defective lighting of some of our older buildings. Tests show thirty per cent. of defective vision in Somerville school children, and the ratio increases with age. Some of these defects are natural, but many are caused and all are aggravated by schoolroom habits or disadvantages. There are many afternoons during the year when the absolute suspension of eye-work is compulsory in our ill-lighted rooms. The contrast between the old buildings and the new in this respect only emphasizes the need of change, and it is hoped that early relief may be afforded.

Careful investigations by German scientists prove two things.—that myopia steadily increases as the pupil advances in the grades, and that myopic affections are less in modern, well-

lighted buildings.

Additional School Accommodations. For the first six months of the year, the first-grade pupils in the Glines, Carr, Burns and Highland Schools were on three-hour time, and those in the Prescott, Morse and Hodgkins have attended but a single session daily for the entire year. As far as their advancement is concerned, this half-time attendance has worked no disadvantage to the children, for by the end of their second year they will have accomplished as much as their mates who have been on full time. The three-hour session, however, is not popular with parents, many of whom feel that there is an injustice in depriving certain children of as many hours schooling as the majority receive.

To obviate this plan in the Prescott district, the kindergarten in the Hanscom School would need to be closed, a procedure that would arouse a vigorous protest and result in a distinct loss.

To avoid the three-hour session in the Morse School seems impossible until an additional building shall be provided in the vicinity,—a rather remote remedy.

In the Hodgkins, the present arrangement of classes must

continue until a new schoolhouse shall be constructed.

The Carr and the Morse Schools will be seriously crowded in September next, and can be relieved only by an easterly movement of pupils into the schools of Wards 2 and 3, which can easily accommodate the surplus. This will compel the transfer of pupils from the school of their possible strong preference to another concerning which they or their parents may have a fancied prejudice. This has led in days past to remonstrance and ill-feeling, but our schools present equal educational advantages, the difference in distance is trifling, and in this democratic age social distinctions should not control. Why, then, should not children be assigned to buildings where there is room in abundance whenever the exigencies demand it?

Ward V. The necessity of providing for the overflow from the Bingham and Glines Schools led to the opening in September of the two rooms in the basement of the Forster Annex. These rooms were designed not for classrooms, but for manual training and cooking, and are hardly adapted to their present use. While defects in heating have been remedied, they still remain unventilated and undesirable. For this reason, and because the rooms are needed for the purpose for which they were originally designed, their use as classrooms should be but temporary.

But even the use of these rooms will not provide for the growing needs of this section of the city. The time seems to have come for the erection of a six-room building very near the Bingham School. Were such a building ready in September, 1902, pupils now in the Forster, living west of Jenny Lind avenue, would fill three of its rooms, and kindergarten children a fourth. Should a bridge be built across the railroad at Lowell street, children from the Morse and Burns would occupy the

fifth room at once. This building would make room in the Forster for the normal growth in its immediate vicinity, and would release the basement rooms in the Forster Annex for

their original purpose.

Ward VII. The opening of the Brown School in Willow avenue temporarily relieved the pressure on the Burns and Highland Schools, but did very little for the Hodgkins. The wisdom of the call of the Committee a year ago for another building at West Somerville is now apparent. Two additional rooms have been needed since September, and two more will be imperatively called for at the opening of another school year. Hence the request for a building on College avenue, made by the Board in February last, should be renewed and emphasized.

High School Accommodations. There is little need to say much at this time concerning our most urgent requirement in the line of additional school accommodations. The necessity of immediately providing enlarged high school facilities is recognized alike by the School Board, by the City Government, and by citizens generally. A request of the Board for a new Latin schoolhouse, to be located on Central Hill, was made early in the year, and has been recently endorsed by the Committee on Public Property, and will undoubtedly be honored as soon as the finances of the city will permit.

It is understood, however, that the new Latin building is to be but part of a comprehensive plan that shall provide for all our high school demands for an indefinite future. As a possible help in maturing this plan, the following statements regarding present and prospective needs are presented:—

It is not improbable that within thirty years Somerville will have a population of at least 90,000. This assumes a decennial

increase of less than one-third of that of the last decade.

If this assumption is reasonable, provision should be made for 1,600 high-school pupils,—600 in the Latin School and 1,000 in the English.

This will demand a Latin building of the capacity of the present English schoolhouse, and of very much the same internal character. This is said in expectation that in the near future a five years' course will be adopted. If the present course is continued, a smaller building will serve.

In order to do the work expected of it, the English School should be provided with the following accommodations for a

thousand pupils:—

Twenty-five classrooms, each with forty seats; four larger rooms above ground for manual training purposes; two suitably lighted rooms for free-hand and mechanical drawing; three well arranged laboratories for physics, chemistry, biology, and one for physical geography, geology, and astronomy, with accommodations for cabinets and apparatus; one room for domestic

science; four recitation rooms; two large rooms for the commercial and typewriting departments; one ample room for library purposes; an assembly hall to accommodate 1,000 pupils; a well-fitted gymnasium for the much needed physical training which is now entirely neglected; a reception room, a large principal's office, three rooms for teachers' use, and a room for books and supplies; lavatories for students in different parts of the building; a lunch room, and rooms for the storage of bicycles.

To what extent are these demands at present supplied? If the present English building could be taken for the Latin School, all needs of that school would at once be met. If an architect's skill were equal to the incorporation of the present Latin building as a part of a new structure, which should supply all the wants of the English School, nothing further would be required.

When the new Latin building is erected, how far may the English School be accommodated in the present buildings? The capacity of the English School is 600 pupils and twentyfour teachers, and that of the Latin School is 275 pupils and ten teachers, on the basis of the same class unit. The two large rooms in the Latin School could be easily converted into four classrooms, measuring twenty-six by forty feet, each accommodating forty pupils. This would increase the capacity of the Latin School to 350 pupils. The English Freshman class could then be accommodated in it, if the biology laboratory were removed to that building. Pupils would, however, be obliged to go to the English building for drawing, manual training, and music. Between five and six hundred pupils would be left in the English building. Such an arrangement, however, would be inadequate and unsatisfactory. The school would still be without suitable rooms for manual training, mechanical drawing, and domestic science; one laboratory would still be wanting; there would still be no recitation rooms; the commercial and typewriting departments and the library would continue inadequate; the much-needed assembly hall and the gymnasium would be unprovided; and convenient lavatories and bicycle accommodations would still be needed. These additional facilities are essential if the school is to accomplish the best results. It is evident that the plan heretofore suggested and considered by the Committee, of making some enlargements to the English School in connection with the new Latin building, is one that sooner or later must be carried out, if no substitute can be provided.

It is not necessary to present anew the value of our high schools to the community. It is thus given by two competent judges:—

[&]quot;A remarkable increase has taken place within the past fifteen years in the proportion of American children who attend secondary schools; and it would be difficult to imagine a greater educational gain for the whole country."—President Eliot.

"The argument that the high school should not be supported by the many because it is attended by the few is utterly false and fallacious. The indirect benefits of the high school in improving the quality of the teaching in the elementary schools, lifting the standard of business efficiency, public service and general intelligence, are incalculable. The public high school is the unique American contribution to education. When emancipated from narrow college domination in the substance, yet inspired by college examinations in the quality of its courses, wisely adapted to the various needs of its pupils, generously supported by taxpayers who believe the best teaching none too good for their children, the high schools are destined to play a leading part in making America the land of intelligent workmen, loyal citizens, and happy people."—President Hyde, of Bowdoin.

Within ten years the number of high schools in the country has increased from 2,500 to 6,200, one hundred fifty per cent. This increase is not due to growth of population, but it is a part of a widespread movement towards higher education. Private schools, colleges, public libraries, all institutions for the promotion of intelligence among the people, share in the advance.

This has created everywhere a demand for new and larger high school buildings. Within a short time Boston has dedicated five buildings, costing more than \$300,000 each, in various outlying parts of the city. Within a few years Worcester has built three new high school buildings; Lowell, two; and Springfield, Newton, Malden, Medford, Fitchburg, Cambridge, Lynn, Woburn, Stoneham, Brookline, Melrose, and cities and towns all over the state and country, have been compelled to spend from \$50,000 to \$350,000 each to provide accommodations for high school pupils. It must not be expected that our own city can escape the general increase and the necessary expenditure that it entails.

High School Courses. In view of the probability of the ultimate erection of a new building for the Latin School, it would seem wise to make a closer differentiation of the work of the two high schools than at present seems to exist.

When the high school was divided in 1895, the plan always followed where English and Classical High Schools co-exist was adopted here. The college-preparatory work, considered the most important feature of the High School everywhere then as now, was assigned to the Latin School, and the curriculum was shaped solely in accordance with the existing requirements for admission to college. All but the presumably college-bound students were collected in the English School. These included those fitting for entrance to technical and normal schools, for which preparation in science and manual training was needed, a preparation for which the English School alone offered complete facilities. A course of study, necessarily wide in its range and largely elective, was adopted, and an unexpectedly large number of students took advantage of it. This line of demarkation be-

tween the schools has been pretty closely followed since the division.

But within a few years the requirements for admission to colleges have been greatly modified. Attainments in science, mathematics and modern languages are given greater weight, and less is demanded along the old lines. This wider opening of college doors necessarily affects the work of preparatory schools, and renders needful a broader curriculum. It also enables English schools to fit students for college. Indeed, these schools have been largely influential in bringing about the changes indicated in admission requirements.

In view, then, of these conditions, some readjustment of courses may be made, and should be determined upon before plans for a new building are finally accepted. The work of each school should still be distinctive. The courses need not be parallel. Financial reasons render the equipping and maintenance of duplicate art studios, or biological laboratories, or commercial departments, unwise. Libraries adapted to modern methods of instruction, physical and chemical laboratories, rooms for physical exercise, lunch-rooms, and modern sanitary conveniences, should be provided equally for both schools, and nothing should be withheld that may contribute to efficiency or comfort.

Another question is vitally connected with this discussion, and should be permanently settled before decisions are made that cannot be changed for many years. It is the question whether the Latin School course should be four or five years in length. It cannot be denied that for many students the thorough fitting for college or university in four years involves too severe a strain and jeopards health. It compels the omission of certain important branches that would be taken under less strenuous condi-No Radcliffe-bound girl can spend time on drawing or music, and make the trip in less than five years, and some may well take longer. True, such is the flexibility of the present course that a fifth year may even now be taken, but where it is the exception rather than the rule, to take it is an admission of frailty of either mind or body, from which the student naturally shrinks. Besides, it leads to the rupture of pleasant class asso-Making five years the rule and shorter periods the exception relieves the situation in this respect.

Aside from the question of health, preparation for Harvard cannot well be made in four years of regular school time. As evidence of this, we need only to be reminded that for the last ten years instruction in physics in the Latin School has been given outside of legitimate school hours on Friday afternoons. Without extra remuneration, Mr. Baxter and Mr. Murray have spent two hours weekly in the physics laboratory with pupils fitting for Harvard, who have willingly given this additional time, because in no other way could their work be accomplished. This burden

ought not to be laid upon either teachers or pupils. It cannot be removed, however, without a radical change in the course.

If, however, another year is to be provided for high school work, it may well be subtracted from the grammar school course, and pupils be admitted from the eighth grade and given what is most important of the ninth-year work while setting out at once

on their college preparation.

It must be borne in mind, however, that this change, while not lessening the cost of grammar school instruction, would increase that of the Latin School twenty-five per cent., and demand at least one-fifth more generous accommodations. The subject is of sufficient importance to demand full consideration in all its phases, and has a place in deciding what readjustments are necessary.

The Public Statutes require that a census of School Census. all school children between five and fifteen years of age shall be taken between September 1 and November 15 in each year. census serves no useful purpose, as far as the city is concerned. An effort was made in the Legislature last year to secure the repeal of the law, but without avail. The two previous enumerations were carefully made, but were in their results unsatisfactory, for they fell short by several hundreds of the number of pupils actually in the schools. Extreme care was taken this year to secure a careful count. The school census for 1901 shows a school population between five and fifteen years of age of 10,715 on the first day of October. The number of pupils in the schools or accounted for was 10,799 at the same date. This shows a reasonable degree of accuracy on the part of the census takers. census also shows the following facts:—

Number of illiterate minors	
Children under seven years of age not in school248	
Children between five and fifteen out on account of sick-	
ness 70	
Children fourteen years old at work	
· · · · · · · · · · · · · · · · · · ·	
Total number out of school	

Pupils. Twelve thousand four hundred ninety-nine different pupils have been connected with the schools during the year; 2,500 of these, however, have been members of the schools but part of the year, one-half of them having come into the city during the year, 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 9,991, nine short of 10,000 pupils. Of this number, 9,350 have been present at every session, showing an average attendance of 93.6 per cent. There has been one tardiness in every 1,091 chances, and one pupil dismissed in every 1,836 opportunities.

On December 15 there were 10,643 pupils belonging to the

public schools, an increase of 278 over the corresponding number last year. These are distributed as follows:—

In the Latin School	317
In the English School	762
In both high schools	079
In the grammar schools	292
In the primary schools4,	080
In the kindergarten	191

There are 1,653 pupils now in the private schools of the city, an increase of 267 as compared with last year. Combining these numbers, we have an increase in school attendance throughout the city of 545 pupils since December last.

Out of the theoretical school year of 200 days, the high schools have kept 182 days, and the elementary schools 180½ days. The four weeks lost during the year are accounted for as fol-

lows:—

There have been seven legal holidays.

Five days have been lost by the striking of the storm signal. The schools were closed on the day of President McKinley's funeral, and on the day of the meeting of the Middlesex Teachers' Association.

Five and a half days have been taken for the extension of vacations.

Five per cent. of the pupils did not return to school in the fall until the second Monday in September, or thereafter.

There are at the present time 283 teachers employed in the city, twenty-six of whom are men. Twelve men and thirty-two women serve in the high schools, ten men and 214 women in the elementary schools, eight in the kindergartens, and two men and five women are at work as supervisors or special teachers. Twenty-one teachers have left our employ during the year. Ten of these resigned to engage in matrimonial ventures, six were drawn away by the allurements of larger salaries, four others left us on account of health or other reasons, and one, Miss Annie L. Savage, to whom allusion is made elsewhere, died in November last. Of these teachers, we could ill afford to lose They were among the most efficient and valuall but a very few. able of our teaching corps. It is not an easy matter to replace such teachers by others of equal merit, yet it must be done if we would maintain the standard of excellence, and not lessen the efficiency of the schools. The twenty teachers who resigned served the city on an average less than three years and a half, and were rendering their most efficient service.

To replace these teachers and to fill new positions, twentynine teachers have been elected. Twelve of these are graduates of the Somerville High School, and the others were found teaching with excellent success in other cities and towns. The fact that we pay a larger salary than most other municipalities has increased the number of applicants, and given us a wider range of selection. It has not, however, diminished the difficulty of making suitable selections. Not all teachers who apply for positions have the requisite qualifications, and there is danger lest the avidity of applicants obscure somewhat the question of adaptability and merit. The quality of our schools is dependent upon a rigid adherence to the principle that only the best teachers avail-

able shall be employed.

Nor will the recent increase of salaries wholly prevent the loss of our best teachers. We cannot hope to compete with the demand that will always exist for superior teachers. There are higher and more lucrative positions to which our best teachers will constantly aspire, and which they are sure to reach sooner or later. It is well that it is so. It would be deplorable for every teacher in Somerville to feel that she had reached the top of the professional ladder. She would not only cease to climb, but cease to grow. Stagnation and sterility are pretty sure to result from satisfaction with one's lot. Open doors and larger salaries are stimulating and strengthening; they create ambition and impel to professional improvement. Changes in the teaching corps give-opportunity for the infusion of new blood and fresh vigor and for the application of the latest pedagogical principles,—an opportunity that should never be wasted.

Latin School. The membership of the Latin School at the present time is 317, forty-eight per cent. of whom are boys. One year ago the membership was 279. The increase is owing to the admission of a larger number from the grammar schools, the entering class being 114. Fifty-six pupils,—nineteen boys, thirty-seven girls,—were graduated in June last at an average age of eighteen years, nine and three-tenths months. Twenty-six of these graduates entered college, and three normal schools. It is interesting to note that this class that graduated fifty-six entered the school in 1897 numbering eighty-nine. It seems that thirty-seven per cent. fell out for various reasons during the

course of four years.

There are now in the school ten teachers, including the secretary, the most of whose time is at present spent in instruction. This is an average of thirty-two pupils to a teacher, a larger number, perhaps, than the best results warrant. Another teacher will be needed in September next. This will exhaust the capacity of the building, for, while there are seats for 500 pupils, there is opportunity for only eleven teachers to instruct at one time, and even this involves the use for recitation purposes of the so-called physical laboratory, which is hardly suited to the purpose. There seems to be nothing to prevent the use of the physics laboratory in the English School by Latin School pupils, so long as the work is all done on Friday afternoons. As has been said elsewhere, if necessary, the capacity of the school could be increased twenty

per cent. by the division of each of the two large classrooms into two smaller rooms.

In June last Miss Sarah W. Fox, for thirty-three years an honored and highly successful teacher in this school, was granted a much-deserved leave of absence for a year of rest and travel. Her place is being satisfactorily filled by George M. Hosmer, a graduate of the school, and of Harvard University, 1901. The school has suffered the loss during the year of its efficient teacher of English, Adelaide R. Witham, who was drawn to the Providence High School by a largely-increased salary. Her place, however, is being well filled by Grace T. Pratt, a graduate of Smith, 1892, with an A. M. degree at Brown University in 1901. Miss Pratt came to us from a successful experience in the Pawtucket High School. Two student teachers, both graduates of the school, are at present employed in it, Ethel B. Harmon (Tufts, 1900) and Mabel E. Bowman (Wellesley, 1897).

We have spoken elsewhere of the needs of this school, and have made suggestions of possible changes in its organization.

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

		ľ	Мем	RERSHI	P.			Class of 1899.	Class of 1900	Class of 1901.	Class of 1902.	Class of 1903.	Class of 1904.	Class of 1905
	mber 1	5, 1st y 2nd 3rd 4th	ear		•	•	:	67 63 57 55	79 67 57 53 48	89 80 64 65 56	77 73 64 62	64 47 49	103 93 	111
Loss "	per cen	at. 1st y 2nd 3rd 4th					 · · ·	6.0 9.5 3.5	15.2 15.0 7.0 10.4 39.2	10.1 20.0 13.8 37.0	5.2 12.3 3.1 	26.5	9.7	

English School. In the face of extremely crowded conditions, the work of this school has gone steadily on without diminution of effort or enthusiasm on the part of either teachers or pupils. As nearly as could be ascertained, there was every probability that the school would number 825 in September, and seventy-five additional seats were therefore crowded into various parts of the building, additional teachers were provided, and supplies ordered. As a matter of fact, 828 different pupils have been connected with the school since the first of September. There has been a large transient element in this number, so that to-day the school contains but 762 pupils, sixty-two per cent. of whom are girls. A year ago there were 729, showing an increase for the year of thirty-three pupils. The increase last year, measured in

the same way, was thirty pupils. The membership is divided among the classes as follows:—

In the freshman class .		261	117 boys.	144 girls.
In the second year class		178	57 boys.	121 girls.
In the junior class .		178	67 boys.	111 girls.
In the senior class .		120	42 boys.	78 girls.
Special students		25	5 boys.	20 girls.

The school graduated in June, 1901, ninety-six students, twenty-six of whom were boys. Eight graduates have entered technical schools, nine normal schools, and one has taken a college course. The average age of the graduates was nineteen years, one month. The class numbered 211 on entering, and lost 115 members, or 54.5 per cent., during the four years. In comparison with the two previous classes, it appears that, in the graduating class of 1901, this loss was larger during the first year, but smaller during the remaining three years of the course. This shows an encouraging tendency on the part of pupils to complete the course after settling down to their work.

In June 299 pupils connected with the grammar schools announced their intention to enter the English School in September; 277 of them did so. Of this number, sixteen dropped out of school during the first three months of the year. Programmes are arranged and teachers provided on the basis of these announcements. The difference between the expected number and the actual at date is thirty-eight. Attention was called last year to the needless trouble and expense occasioned by this difference between expected and actual numbers. It involves changes in the programme, the purchase of unnecessary supplies, and possibly the employment of superfluous teachers. It should be made unmistakably plain to all candidates that they are not to register for admission to either high school unless they have a fixed and well-considered determination to remain at least a year.

The school has suffered from an unusual number of changes in the teaching corps during the year. Professional advancement has taken from us two of our most efficient sub-masters, Mr. Small and Mr. Corthell, and three ladies whose services we could ill afford to lose, Misses Smith, Davis, and Sanborn, have relinquished teaching.

The following teachers have been employed during the

year:—

As sub-masters, Jonathan Leonard (Harvard, 1896, A. M., 1897); Harry F. Sears (Somerville High School, 1893, Harvard, 1897), who came to us from successful experience in the Salem High School; Charles F. Abbott (Dartmouth, 1891, Michigan University, LL.B., 1897), who has had successful high school experience in Weymouth, Denver, and elsewhere.

Helen L. Follansbee (Boston University, 1900), was ap-

pointed as head of the stenography department.

Bertha P. Chase (Bryn Mawr, 1899), Ella D. Gray (Boston University, 1896), and Helen E. Harding (Radcliffe, 1897) were employed as second assistants either to fill vacancies or in expectation of additional needs.

Laura A. Batt, who has been connected with the school fromits organization, was granted a year's leave of absence on account of health, and her place was taken by Bessie D. Davis (Radcliffe, 1898).

Two student teachers are at present employed, Emma E. Prichard in the biology laboratory, and John M. Jaynes in the manual training department, both of whom graduated from the school in June last.

The number of students in the different departments is as follows:—

English 800 History 707 Mathematics 564 Science 501 Latin 116 French 257 200	Commercial260
German 99	

The following table is printed to furnish a basis for estimating the probable numbers that may be expected for the English School. Judging from what it teaches, we may fairly calculate on a membership of 800 in September next:—

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

		Мв	MBEI	RSHII	٠.				Class of 1899.	Class of 1900.	Class of 1901.	Class of 1902.	Class of 1903.	Class of 1904.	Class of 1905.
December ''	·	1st yea 2nd '' 3rd '' 4th ''	ır			:	:	:	192 149 121 98 86	228 163 119 97 83	211 153 125 108 96	217 162 135 120	299 221 178	246 178 	261
Loss per	cent.	1st y 2nd 3rd 4th	year " "			:		· : :	22.4 18.7 19.0 12.2 55.2	24.1 27.0 18 5 14 4 63 6	27.5 18.0 13.6 11.1 54.5	25.3 16.6 11.1	26.0 19.5	27.2	

Grammar and Primary Schools. In June, 1901, 497 graduates of the grammar schools were given diplomas. Of this number, 372, or seventy-five per cent., entered the high schools, 277 the English and ninety-five the Latin. In December, 1895, as a fourth grade, the class numbered 866. During the six years of the grammar school course, 369 dropped out, and this, not-withstanding the fact that there was a general increase of twenty-

five per cent. in the number of grammar school pupils during these six years. Two hundred and two, considerably more than half this number, left school at the end of the seventh and eighth years. This serves as another illustration of the difficulty of retaining certain pupils beyond the compulsory school age, and of the need of shaping the curriculum somewhat in their interests.

One thousand eighty-two children entered the grammar schools from the highest primary grade in June last. In September 1,092 children were admitted to the first grade, at an

average age of five years, seven months.

As has been said elsewhere, one-third of the children in the first grade in various parts of the city were on three-hour time for the entire school year. The ratio of promotions from these classes was but slightly smaller than in the grades where circumstances permitted attendance for the full school day. Not quite as much was accomplished in certain less important lines, but there is no doubt that at the end of the second year no difference in the attainment of the two sets of children will be apparent. Aside from the question of convenience and approval of parents who prefer an all-day session, why are not these results an argument for a more general adoption of the three-hour plan? There is substantial agreement among experts in both education and psychology that far too much is attempted with children under six years of age. They should not be confined to the restraints of the schoolroom for more than three hours. The tasks assigned them should be adapted to their mental and physical development, and greater freedom and opportunity given for muscular training. There are thousands of schools throughout the land that take children at six years of age and, after eight years of elementary instruction, put them into the high school as well fitted as pupils having a nine-years' course. There are some sections of the city where the home environment is less fortunate, in which an all-day session is much the better. In general, however, the necessity that compels a three-hour session works no disadvantage to the schools, but rather the opposite.

Kindergartens. Four kindergartens have been in operation during the year, the one in the Prospect Hill having been transferred to the Baxter School in September. The cost of instruction has been \$4,060, and of supplies \$102, a total of \$4,162, or \$23.12 per capita. There has been no opportunity to extend the advantages of the kindergarten to other sections of the city, owing to the lack of suitable accommodations. Only here and there has the demand for them been noticed. Wherever they have been established, however, they have become appreciated, and any suggestion for their discontinuance has met with strenuous opposition. This is an indication of their value, and it is hoped that the time will come before long when all sections of the

city may share their benefits.	The membership and attendance
are shown in the following tal	ole:—

	Hanscom.	Jackson. Bennett.	Prospect Hill. Baxter.	Glines.	Total.
Enrollment	100	94	104	98	396
Average Membership	47	46	40	47	180
Average Attendance	41	36	32	38	147
Per cent. Attendance	87.4	79.5	80.0	82.4	81.7
Age	4.—9	46	4—8	4—9	4—8

Evening Schools. The problem of evening schools is a difficult one to solve satisfactorily. It is generally recognized that there are large numbers of young men and women in our city who, either through misfortune or their own neglect of opportunities, stand greatly in need of what evening schools may do for them. The majority of them are without aspirations, and their tastes and inclinations lie in other directions. They are busy by day, and when evening comes are fatigued, and feel the need of rest or recreation. To draw them into the evening schools, and especially to maintain their interest and to retain them when once they are there, have thus far proved very difficult.

A special effort has been made during the current season to increase the efficiency and the attractiveness of these schools. Larger salaries have been paid, and the very best teachers available have been secured. It is doubtful whether we can ever hope to obtain more efficient teachers than those now employed. It is proposed to give certificates of attainment and diplomas of graduation. A series of illustrated lectures has been begun, which thus far have proved interesting and instructive, and have been attended to the full capacity of the lecture hall of the English High School.

Notwithstanding all these efforts, the attendance has fallen off toward the close of the season in about the same ratio as in former years. We retain the illiterates whose employers compel them to attend, under penalty of loss of work, but in other classes one after another the students drop out through lack of ambition or irresolution of purpose. The law demands that we should present these opportunities, and, notwithstanding the fact that evening schools are relatively the most expensive of any of our forms of instruction, there seems to be no other way than to follow in general the present plan.

In the season of 1900-1901 four schools kept an aggregate of 298 sessions, with an average attendance of 192 pupils out of a

registration of 612. The total cost was \$3,869.39, or \$19.94 for each pupil. The evening drawing school kept forty-eight sessions, and showed an average attendance of seventy-nine out of an enrollment of 192. The total cost was \$1,433.38, or \$18.14 to a pupil. The whole expenditure for evening schools for the season was \$5,242.77.

Cost of Schools. The cost of maintaining our schools and educating the 10,000 pupils in their average membership has been \$280,795.89, or \$28.10 for each pupil. This does not include money spent in the repairs of schoolhouses or upon new buildings. Of this sum, \$35,533.23 has been expended by the public buildings department for:—

Janitors' salaries\$	20,078.39
Fuel	13,723.45
Gas	

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

Officers' salaries \$7,814.68 General supplies 4,287.48 Laboratory and manual training supplies 1,782.80 Printing 1,111.46 Graduation expenses 916.36 Drawing supplies 827.41 Book-binding 669.62 Truant officer's horse 260.00 Expressage and postage 254.13 Board of truants 231.85 School census 215.00 Telephones 169.69 Miscellaneous 166.46	\$4,816.03
Total for school supplies, etc	18,706.94
Amount expended for school contingent	\$23,522.97
Estimate of committee	\$23,000.00 21,000.00 2,522.97 522.97

This deficiency is caused by outlay for new books that could not be foreseen.

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

January February March April May	21,979.88 21,955.86 21,324.82
Amount carried forward	\$108 604 61

Amount brought forward June August September October November December	405.00 22,040.25 23,052.88 23,184.50
Appropriation Estimate of committee Deficiency as compared with appropriation. Surplus as compared with estimate of committee	.\$203,000.00 . 222,000.00 . 18,334.69
Estimate of committee for school maintenance Amount expended by committee	
Balance to debit of committee's estimate	
Actual gross deficiency	\$102.66

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

1901.	1900.	1899.
Teachers' salaries\$0.790	\$0.799	\$0.788
Supervision	0.018	0.019
Janitors' salaries 0.071	0.074	0.073
Heat and light 0.055	0.048	0.054
School supplies 0.067	0.061	0.066
Total\$1.000	\$1.000	\$1.000

PER CAPITA COST OF MAINTAINING SCHOOLS, 1900 and 1901.

	High Schools.				ammar a nary Scho		All Schools.			
	1900.	1901.	In- crease.	1900.	1901.	In- crease.	1900.	1901.	In- crease.	
Instruction and Supervision	\$48 28	\$47 71	*\$0 57	\$ 18 87	\$1 9 89	\$1 02	\$21 67	\$22 67	\$1 00	
Text-Books and Supplies Schoolhouse Expenses	4 46 5 30	5 52 4 99	1 06 *0 31	1 30 3 02	1 47 3 40	0 17 0 38	1 60 3 24	1 87 3 56	0 27 0 32	
Totals	\$58 04	\$58 22	\$0 1 8	\$23 19	\$24 76	\$1 57	\$26 51	\$28 10	\$1 59	

^{*} Decrease.

Instruction in the high schools has cost fifty-seven cents less than last year, text-books and supplies \$1.06 more, and the care of the buildings thirty-one cents less, the per capita cost being eighteen cents more than in 1900,—\$58.04 in one year and \$58.22 in the other.

Owing to the increase of the salaries of primary and grammar teachers, the full effect of which has not been felt till this year, the cost of instruction in these schools has been \$1.02 more per child as compared with last year. The purchase of geographies has raised the cost of supplies seventeen cents, while thirty-eight cents more has been required for the care of schoolhouses. In the aggregate, this makes the per capita cost of the elementary schools \$1.57 more than in 1900.

Taking all the schools together, the cost for each pupil has been \$28.10, as against \$26.51 last year, a difference of \$1.59.

In the year of 1900, among the 353 cities and towns in Massachusetts, Somerville stood the forty-ninth in the amount of money expended for each child in the average membership of its schools.

In the ratio of its taxable property to the amount spent for the support of schools, 162 municipalities stood higher in the list.

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

2 9 3 2 1 2 1 3	men \$3,000 men 2,000 men, 2 women 1,900 men 1,700 men 1,450 man 1,300 men, 3 women 1,200 man 1,100 women 1,000	2 women \$850 1 man, 1 woman 800 16 women 725 5 women 775 4 women 650 13 women 600 1 man, 2 women 500 5 women 425 3 women 400 1 woman 200
19	women 900	1 woman 200

On this basis, the total salary list at present is \$218,700.

Allowing \$5,500 for evening and vacation schools, \$1,800 for substitutes, and \$1,000 for new teachers, \$227,000 will be required for salaries next year. At the rate of expenditure for supplies for the last few years, \$23,000 will be needed for this purpose and for officers' salaries. This will call for an outlay for school maintenance in 1902 of \$250,000 on the part of the School Committee.

Time Schedules. The difficult and perplexing question of the apportionment of time given to the different studies in the elementary schools engaged the careful attention of the Committee at the beginning of the year. After the fullest discussion, the following schedule was adopted. It may be assumed to indicate the relative value of the different subjects:—

TIME SCHEDULE SHOWING MINUTES PER WEEK GIVEN TO VARIOUS SUBJECTS IN THE GRAMMAR AND PRIMARY GRADES.

[Adopted by the School Committee, February 4, 1901.]

	I.	II.	III.	IV.	v.	VI.	VII.	VIII.	IX.	Total
Opening Exercises-Ethics	50	50	50	50	50	50	50	50	50	450
Physical Exercises and Recesses	90	90	90	90	50	50	50	50	50	610
Penmanship	75	100	100	100	100	120	120	120	60	895
Music	75	75	75	60	60	60	60	45	45	555
Drawing	60	60	60	75	75	75	75	75	75	630
Hygiene	25	25	25	50	25	25	50	25	25	75
Reading and Literature .	750	575	450	330	335	225	195	210	220	{3,290
Spelling		100	120	120	120	100	50	50	50	71
Language and Grammar .		50	75	100	100	160	215	210	240	1,150
Arithmetic	200	200	250	250	250	250	250	250	310	2,240
Study of Nature	50	50	50	50	50	50	50	••		350
Geography		••	30	150	150	140	140	130	120	860
History			••		••	60	60	120	180	420
Sewing and Miscellanecus .	••			••	60	60	60	60		240
Closing Exercises	50	50	50				••			150
Total	1,425	1,425	1,425	1,425	1,425	1,425	1,425	1,425	1,425	12,825
Study in School per week .				400	410	425	440	500	520	
Study in School per day .				80	80	85	90	100	100	
Home Study per day limited to		••				••	30	45	60	

Attention is called to Sections 89 and 96 of the Regulations. The time allotted to study in school is to be generally obtained by taking the class in two sections in reading, language, arithmetic, geography, history, and oral spelling.

Home work in arithmetic is not advised.

Time for manual training and cookery in Grade IX. will be secured by deducting twenty minutes from each of the periods underlined.

In this connection the subject of assignment of school tasks for preparation at home was very carefully considered. By vote of the Board, compulsory home study was prohibited in grades below the seventh. In the seventh grade the daily limit was fixed at thirty minutes, in the eighth grade at forty-five minutes, and in the ninth grade it is not to exceed one hour a day. It was furthermore enjoined upon teachers that they carefully consider the home environment, occupation, health and needs of each pupil, and make such modification of the requirements as individual cases might seem to demand.

Hygiene. Among the difficulties encountered in determining the time limitations for the different studies, that of a proper allotment to physiology and hygiene was prominent. There was a recognition of the importance of the subject, together with a desire to conform to statutory requirements. It was felt that the primary object of the law was to impress the advantages of temperance, and to emphasize the dangers of the use of stimulants and narcotics, rather than to teach structure and function. Hence it was determined that the larger part of the time given to physiology and hygiene, so called, should be devoted to temperance instruction. Present requirements therefore demand that in each of the first nine grades twenty minutes a week shall be given to "real practical temperance and anti-cigarette instruction," and five minutes weekly to other phases of the subject.

This instruction is to be oral, no text-books being in the hands of the pupils. In addition to this, in the fourth grade and in the seventh a further period of twenty-five minutes weekly is to be spent in reading from suitable physiologies provided for the purpose. This is now done in all seventh grade classes. The fourth grade, however, has not yet been supplied with books, and the twenty-five minutes assigned to this work has been spent

upon reading or literature.

Teachers of the first and second grades, whose little pupils five and six years of age have no comprehension of what alcohol is, and know fortunately nothing of the evils of intemperance, find great difficulty in adhering strictly to the requirements, and are therefore allowed to adapt their instruction to the capacity of their classes. The danger, even in higher grades, is that the constant reiteration of the same truth will produce induration and insensibility on the part of the child, and thus the purpose in view will fail of accomplishment. More influential in its deterrent effect than most of the anti-cigarette instruction is the recent adoption by the School Board of a stringent rule prohibiting the use of tobacco on school premises or between the school and the home, under penalty of suspension. The enforcement of this rule, accompanied by the moral influence and the example of the teacher, will prove the most effective restraint.

School Athletics. Not remotely disconnected from the subject of hygiene is that of school athletics. In his "Ideal School," recently published, Professor P. W. Search claims that every school building should be in the centre of a five-acre lot. So far from ideal conditions do we come that one-half of our school-houses have not enough land about them to hold their occupants, to say nothing of room for playgrounds. There are no gymnastics comparable for a moment with those in which children engage in the freedom and abandon of play. The Ling substitutes which are given them in the schoolrooms serve a useful purpose, but they fall far short of the ideal. More and more is the convic-

tion growing that an all-round education must include the care, and development, and training of the body. Provision is being made for this in schools, and the newer buildings contain well-fitted gymnasiums. Outside of school this need is being supplied, and parks and playgrounds suitably equipped are being provided at public expense. Our own city has taken several important steps in this direction, and it is hoped that soon every part

of the city may be supplied with ample playgrounds.

The interest in school athletics grows rather than decreases. The danger is that they may become the paramount issue in the minds of some students, and that honors won upon the ball field may be counted of more value than those won in the classroom. Thus far, by the influence of teachers appointed upon athletic committees, aided by the good sense of the students themselves, abuses have been very few, and a wise control and limitation have been exercised. Our own schools have achieved noteworthy successes, have maintained a high standard of honor, and have subordinated athletics to the more important pursuits of school life.

Through the efforts of His Honor Mayor Glines, who is always alive to whatever may benefit the city in any of its many departments, negotiations with the trustees of Tufts College have resulted in the leasing by the city for ten years of what is known as Tufts field. It is to be put in order for athletic sports of all kinds, and is to be maintained by the city, and to be open, under reasonable restrictions, to the athletic organizations of our high schools, and, on application, to other associations, free of expense. This will supply what has long been needed, and will give a healthful impetus to school athletics.

Medical Inspection. The earnest and unanimous efforts of the Board at the beginning of the year to secure a systematic daily medical inspection of the schools have not yet been crowned with success. While the schools have been comparatively free from interruption by contagious disease, and the vigilance of teachers has been unremitting, still the same urgent reasons exist for the adoption of the plan that has been proposed. Contagion in its incipient stages may be largely prevented, the personal welfare of the children secured, and public health promoted thereby. The advantages of the system are being appreciated and gradually extended, and its general adoption is recommended by medical societies. It is hoped that some means may be found for the establishment of what seems to promise so much and meets with such hearty public approval.

Manual Training and Domestic Science. The introduction of these important branches was thoroughly discussed at the beginning of the year, and the hearty vote of the Board to establish two plants in different parts of the city seemed to be in accord with the best public sentiment. Requests were made for the equipment of rooms in the Prospect Hill Schoolhouse and in the

Forster Annex. Before action could be taken, however, it became apparent that the rooms in the latter building would be required for school purposes. The demolition of the Jackson School rendered the former building unavailable for this purpose. The completion of the Clark Bennett School will enable us to make use of the Prospect Hill building for these lines of work. There is, however, little prospect of the rooms in the Forster Annex being available until the completion of a new building near the Bingham School.

Nothing need be added to what has been said in previous reports as to the value and desirability of these forms of instruction. Not only the majority sentiment of the Board, but that of the public, approves them, and their introduction cannot be delayed beyond the time when suitable accommodations can be furnished.

Vacation Schools. The suggestion in the last Annual Report regarding the need and value of making some provision for the multitudes of children in our city who are obliged to spend the long summer vacation at home without useful occupation led to the vote of the Board to establish a vacation school, under the direction of a special committee of five. Two hundred and fifty dollars was appropriated for its maintenance, a sum which was doubled later on, when its inadequacy became obvious. The special committee consisted of Mrs. Attwood and Messrs. Bennett, Jones, Dickerman, and Carr, and, under their direction, the experiment was carried to a successful and satisfactory issue.

The report of the chairman of the Special Committee on Vacation Schools was read to the Board at the November meeting.

It is here presented in a somewhat abridged form:—

To the School Committee of Somerville:-

The Somerville Vacation School opened July 8 in the Prospect Hill Schoolhouse on Washington street, and continued five weeks. A registration of those who wished to attend was made before the closing of the public schools. The number of applicants far exceeded the accommodations, hence lists were prepared by the day school teachers of those who, in their opinion, would be most benefited by a vacation school. Even this number was too large, and tickets of admission were issued in accordance with the capacity of the accommodations, and a waiting list was made. The pupils were almost entirely from Wards 1 and 2.

Five rooms were opened and eight teachers employed, all belonging to our regular corps. The daily session extended from 8 o'clock to 12, divided into two periods of two hours each. One set of pupils attended for the first period, and an entirely different set for the second period. Harry F. Hathaway was the principal of the school, and was ably assisted by Mrs. Hathaway, who gave no class instruction, but rendered service in looking after the attendance and in general oversight. Twenty-four boys, drawn

principally from the fifth and sixth grades, were instructed by Mr. Hathaway in the first principles of sloyd during the first two hours of the morning, the knife, try-square, ruler, and compass being the only instruments used. An equal number of girls from similar grades received instruction in sewing during one-half the second period, and during the remaining half were engaged in cutting and making useful and ornamental articles from cardboard. Specimens on exhibition in the Public Library from these pupils, as well as others in the school, show the character and excellence of the work.

The next room was occupied by fourth-grade pupils, under charge of Miss Dimpsey. The work of these pupils was in drawing, painting, and scissors-cutting. Here many articles, both useful and ornamental, such as boxes, picture frames, match-safes,

etc., were neatly and skillfully made.

Another room contained third-grade pupils, under the direction of Mrs. Wiggin. The children here were employed in a variety of ways, such as cutting pictures from old magazines and framing them, drawing and color work, and reproducing various patterns with the needle on perforated cardboard. Mrs. Wiggin gave valuable instruction in music, in this and other rooms, the singing of patriotic songs being an interesting feature.

Miss O'Loughlin had charge of a room filled with secondgrade pupils, who spent the time in drawing, color work, singing, and cardboard sewing, etc. Marching and interesting games

were important features here.

The first-grade pupils were grouped in the kindergarten, under charge of Miss Friend and Miss Russell. The more advanced kindergarten occupations and games kept the children

happy and busily occupied.

Sewing was taught to the girls of the three upper rooms by Mrs. Ellis, one of the city's regular sewing teachers, most of the work being brought by them from their homes. In all grades the reading by the teachers of interesting and instructive stories and narratives was listened to by the pupils with rapt attention. Vocal and instrumental music for the children was kindly furnished on several occasions by artists who volunteered their services.

All of the eight teachers employed were filled with enthusiasm, and the interest and zeal of the children never flagged. No discipline was required, whatever freedom was given to the children being never abused. The places of a few children who dropped out were eagerly filled by others on the waiting list.

With mingled feelings of gratitude and regret, I call attention to another vacation school in the Bennett Schoolhouse, where Miss Annie L. Savage taught a group of thirty-five children for three weeks, purely in the spirit of philanthropy, and without expense to the city. She gave herself unselfishly to make poor chil-

dren glad and happy. It was the last of a long series of labors of love, for, after a brief illness, her earthly work was finished on the 7th of November, 1901.

The average attendance at the vacation school for five weeks

was 317.

The expenditures were:—

For teachers For supplies	S	\$405.00 99.20
To 401		\$504.96

John M. Woods furnished lumber, Fred M. Carr sand, and William P. Jones all printing required for the school, without

charge.

Not exactly as a part of legitimate vacation school work, but somewhat along the same line, your committee made an effort to raise a fresh-air fund for providing free excursions for poor children. A circular was sent to the Sabbath Schools of Somerville too late to meet with a general response, as many of the schools had closed for the year. Seven schools, however, responded with gifts, which, supplemented by a few from individuals, aggregated One thousand two hundred and sixty tickets were purchased of the Elevated Railway Company, to which the company generously added nearly as many more. These tickets were distributed throughout the city to needy children, and were greatly appreciated. About one thousand of them were used in providing excursions to Franklin Park for the children in the vacation school. A special car was provided, and five excursions were made to Franklin Park, each under the direction of a member of the vacation school committee, assisted by teachers and ladies who kindly offered their services in this connection. the liberality of members of the committee and their friends, each excursion was provided with an ample supply of refreshments. We were especially indebted to ladies and gentlemen in Ward 7, who made contributions of money and supplies, manifesting great interest and rendering very valuable assistance. excursions were conducted without accidents, and were a source of much pleasure to the children. Their excellent conduct was an occasion of frequent remark by those accompanying them.

Your chairman voices the sentiment of the special committee in saying that the vacation school in all its departments, as well as the attendant excursions, was a decided success, and its results fully justify the expenditure of money on the part of the city. Our experience this year warrants the repetition, if not an extension, of the work.

Respectfully submitted,
HENRIETTA B. H. ATTWOOD,

Chairman of Committee on Vacation Schools. November 25, 1901. Penmanship, Drawing, and Music. As setting forth the present status of these subjects in the schools, attention is called to the following reports of their supervisors. The recommendations which they make are, in the main, in the interests of the schools, and should be adopted:—

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

My dear Sir: Your letter of recent date, calling for a report from the penmanship department, relative to our "Plan of work, what accomplished, the outlook," etc., also stating that "Suggestions would be in order," was duly received, and I take pleasure

in conforming to the same.

While the function of this department, owing to its very nature, cannot stand on a level with most other studies in our school curriculum in brain cultivating, yet its great advantage over others in discipline, in muscle training, in usefulness, standing, as it does, the king of all arts, certainly must give it a wholesome standing in a practical education. Some one in the following lines well covered this thought:—

'Tis to the pen and press we mortals owe All we believe and almost all we know.

We often hear it said that "writing is a habit, nothing more nor less." Very true, as far as it refers to one's method of writing. Children enter school without the ability to write at all, and leave it with a writing habit, good or bad, and I maintain that the poor writer, on the whole, works harder to produce his page than does the good writer. The little ones of four and five come to us without chirographical habits, and it is for us teachers to see to it that

they form correct habits, and keep them.

A little more than a year ago we were instructed to abolish the vertical style for a forward slant system of round letters (known as the "Intermedial," the only one published in Boston at that time), to be executed with a combined finger and forearm movement and proper pen holding. Had we been instructed simply to secure the system of round letters and forward slant with only finger movement, two years would have been ample time to have shown beautiful papers, a thing we had already done in less than two years with the vertical system, but it would have been lacking in every feature that goes to make a practical writing, save that of form. But to get desired results with the prescribed method takes a longer time, yet it is well worth the cost. Some pupils will get the movement and learn to apply it fairly well in one year, or even less, but the average pupil needs about four years to obtain a proper development, so that the correct process is a fixed writing habit. All this comes after he has learned to give "pretty writing" with the fingers.

A System of Penmanship is one thing and a Method of Pen-

manship is quite another.

The former is only the conventional forms of letters usually set forth in a writing book, while the latter is the process by which the letters are to be produced. Thus two cities may have the same system book, but different methods.

The movements or methods used in writing are three,— Finger movement is produced by use of thumb and fingers.

Whole-arm movement is the use of the whole arm swinging from the shoulder, and is adapted only to large work, such as the blackboard requires.

Forearm, or muscular, movement is produced by resting the muscles of the forearm near the elbow on the desk as a muscular rest, and getting the motive power from the large muscles of the

upper arm.

Of these three movements, it will be seen that the only two that can be combined are the finger and forearm. When we began the present system, finger movement was all we had, and, to get the combined movement, that of the forearm must first be secured. With this end in view, we have adopted the following general plan:—

Grades 1, 2, and 3 use the finger movement and draw the let-

ter forms.

Grade 4 commences the forearm movement by exercises only. No attempt is made to apply the movement, except in its simplest form. All written work is done by finger movement. By this means form is not sacrificed in this grade, if properly taught.

Grade 5 is the first to attempt application of movement, beginning it in the written spelling, and applying it later in the language work. For the sake of laying a strong and correct foundation for future work, the form is sacrificed, as we here insist on pure forearm movement, endeavoring to keep the fingers motionless. Due allowance for form should here be made. All teachers could have beautiful papers through finger movement, but under the prescribed process it is impossible. Therefore, unjust criticism here places teachers where the temptation to produce pretty papers is very strong, and, should they yield, it would lay the foundation for poor work the following year.

The pretty finger movement papers of the third grade, viewed from a practical standpoint, do not show writing at all. It is a

mere optical illusion.

Grade 6 continues the work of the fifth, using care that the

finger movement plays only a slight part.

Grades 7, 8, and 9 use the combined movement. As the process goes on, there is a steady gain in the product, and our best writing is in the highest, rather than in the low or middle grades, as is the case where the finger movement only is used.

Some of the difficulties we encounter in our work are:—

Opposition. One of the most difficult things to do in introducing movement writing into public schools generally is to get enough of the Movement Exercise Work. Opposition is met on every hand, except from the pupils, to whom the work is a pleasure. The cry goes forth: "Exercises are a waste of time and paper; teach the boys and girls to write. Let us have results!" This, no doubt, seems just, from the critic's standpoint; but such criticism never comes from those who understand the method and the aim.

In singing, reading, drawing, and number work exercises are indispensable, and no one considers them a waste of time, or expects a finished product from the start. The same indulgence must be accorded us to drill on writing exercises, if we are to succeed.

Parents, most of whom are unacquainted with our method, are, nevertheless, willing and anxious to aid, but often recognize only the product, thus passing criticisms upon their children's work which are incorrect and usually opposite to the teacher's instruction. Thus, between the "Nay" of the parent on one hand and the "Yea" of the teacher on the other, there is danger lest the pupil become discouraged.

The parent's encouragement to do whatever is asked of his child by the teacher in this line is of incalculable value to us all.

Time. Shortly after the new system was adopted, the period for the writing lesson, in vogue so many years, received quite a reduction. It was a wise move in grades 1 and 3, but it is greatly to be regretted that grades 4 and 5 should each lose one twenty-minute lesson a week.

It may have been thought that penmanship could be correlated with the written work, which is true in grade 3; but not so in 4 and 5, where time is needed on the process.

Report Cards. Children, like adults, need incentives, and must have them, if best results are to be secured. Many experiments have been made; but all in all, nothing I have yet seen can be so effective in our work as a correct report card. But it must mean something. Most of our present report cards read "Writing and Drawing," and while some teachers separate the studies, the majority do not.

Thus, if a boy is "5" in drawing, which means excellent, and "1" in writing, which means very poor, the teacher places "3" on the report card, meaning he is fair in drawing and writing, a statement that is misleading. The only remedy lies in the separation of the subjects.

Number Work. At the present time the number work is done with pencil and paper, poor penholding, and mostly finger movement. Were high grade pupils expected to use the correct writing process with pen and ink in figuring, it would greatly increase their accuracy, as erasures are not easily made, and, at the same

time, aid the penmanship. For every writing lesson of thirty minutes under correct habits there is over one hour's work of bad habits.

Penholders now in use are not the best to aid in good penholding among the lower grades. Both size and shape are against it.

Suggestions. The following, it seems to me, if carried out,

would be a decided improvement:—

1. That the writing time in grades 4 and 5 be changed from 100 minutes per week to 120 each, and a reduction of twenty minutes per week be made in grade 6.

2. That there be a different report card, giving writing a

separate place.

3. That these grades be expected to do the number work with the pen and ink, under the writing process.

4. That a larger and better penholder be used in at least the

first six grades.

5. That the "Western Penman," a valuable monthly paper and a leading organ on movement writing, be added to the teacher's desk library.

Thus far we have accomplished the following:-

Backhand writing, as hard as it is to overcome, has been eliminated from some classes. The larger portion of papers now showing this feature are written by pupils who have recently moved here from other cities.

The writing of grades 7 and 8, considering the time, must be ranked as good. It is very legible, and has many of the essential qualities.

Averaging the ninth grades, it is fair to say, considering all

points, that they outclass those of former years.

Speed. Complaints, so common two years ago, regarding the time required to do the written work have ceased, which fact alone is quite significant.

Without question, we have made considerable progress, but it has been a natural growth, since we are holding back the speed until the rotundity of letters with the movement is better established.

As to Hygiene, there has been a gradual gain.

Correct penholding, so imperative for good work, has received our special attention, and while there is a marked improvement, yet there still remains plenty to do.

The outlook to us was never s bright and pleasing.

If things are fitted to our needs, it will not be too much to say that we can promise the best practical results yet seen in the penmanship department. As has been said in the annual reports, we have had speedy writing lacking in form. Under the vertical system we had excellent form, yet lacking in speed. With the present system and method we feel sure of securing both

speed and form in sufficient proportions to make it practical and

highly satisfactory.

In general, the outlook is a change of systems. In fact, it has already begun, and the Vertical System is being supplanted by the Intermedial. But these are only changes in system. Everywhere the influence of the private commercial schools and the penman's press is being felt in behalf of the muscular movement method, and there are indications of its general adoption. Should this take place, it will be the greatest change in the right direction the public schools at large have ever taken in penmanship.

The new Intermedial System, which has the best points of both the Old Slant and the Vertical, enters the field with an unusual advantage, and still the forearm, or muscular, movement is necessary in this or any other system to obtain satisfactory results.

In closing, I wish to thank the teachers for the splendid efforts they have made and are still making; for the enthusiasm they throw into the work, and the earnest support they have always given me. No one is in a position to appreciate their hearty co-operation more than myself, or more fully to realize how little my own efforts will accomplish without theirs.

Sincerely,

W. A. Whitehouse, Supervisor of Penmanship.

Somerville, December 16, 1901.

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

Dear Sir: No marked changes have taken place in the de-

partment of drawing during the past twelve months.

Each year our aim has been to unite more and more the various branches of the subject, such as color, design, and composition, and make them one comprehensive whole—training to better appreciation and higher standards of form and color.

A small exhibit of the year's work, held in the Public Library last spring, showed, in some degree, the success which has rewarded our efforts, but the greatest test is seen in the schoolroom

in the self-reliant, independent work of the pupils.

Emphasis has been laid upon the study of design, as it develops creative ability and trains to better judgment. Necessarily such teaching has been limited to the decorative side, leaving a weak spot in our course on the side of construction.

Feeling that concrete work is the only practical teaching in elementary schools, we have found mechanical drawing too theoretical for use without means to demonstrate how clearly the drawing is understood. No better illustration of the practical value of manual training can be shown than the work accomplished in the vacation school, where pasteboard and scissors

were the only tools used. Could a similar course be adopted in the regular schools, the problem of successful mechanical draw-

ing would be solved.

With constructive work on one side to give accurate practical knowledge, with design and color on the other to give aesthetic training, our pupils would receive an all-round course of instruction, which would become part of their own lives as they leave school and take their places in the industrial world.

Respectfully,

MARY L. PATRICK.

Somerville, December 20, 1901.

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

Dear Sir: My response to your invitation to speak of music in our public schools will be largely reminiscent in character.

In no branch of instruction has there been greater progress in the public schools during the last generation than in music. When one contrasts the work of the early period with that of the present, the change is simply marvelous. Imagine, if you can, a song-book of "airs" with scarcely ever any alto, only an instrumental bass, with tenor never dreamed of. All the selections in such a book needed a piano accompaniment, and no necessary vocal exercises were to be found within its covers. contrast the modern book, replete with fine solfeggios in all keys, and with every variation of time, with its four-part harmony songs from the great masters.

At the present time all grades, from the lowest to the highest, are provided with charts and text-books, and the teaching of the instructor in music is supplemented by the regular teacher. show something of our progress, I mention the fact that we now sing the same pieces and caliber of pieces at the graduation exercises of the grammar schools that were formerly given at the high school graduations. When I began my work in the Somerville schools, and for years after, the music teaching was all done in the rooms where the pianos stood, and occupied a single day only. Now two music teachers, using all their time, have nothing to spare in making the circuit of the schools in from one to two

weeks.

Possibly the seeming egotism may be excused if I remark that school music books were made and furnished with separate parts for tenor and bass, as well as alto, at my suggestion. Certain important changes in the names of the syllables of the scale, such as "ti" for number seven of the scale instead of "si," and the ending of all flatted syllables with the sound of "aw" were first introduced by me in the Somerville schools. The new names have since become almost universal.

The music work in the eighth and ninth grades is done exclusively by the special instructor, the time having been abridged twenty-five per cent. In some respects this is a distinct loss, for it is an advantage to have the musical instruction extend through two or three brief lessons rather than a single long one. Instruction in the seventh grade is equally divided between the special and the regular teacher.

The increase in the size of the high schools compels us to devote three music periods to each of those schools. As to the results, I need only to mention the character of our graduation music, and the success that attended the production of the cantata "Holy City" in Somerville, and "Joan of Arc" in Boston Music Hall by pupils of our high schools. These entertainments netted \$1,000, which has been spent in the decoration of the English schoolhouse.

The use of sheet music in the high schools has been of decided advantage, and the recent adoption of the most modern song book, a book that contains some of our best poets' best words set to music by the best composers of America, will give

our high school music a new impetus.

When we hear encomiums of competent critics upon both our regular and our graduation music, and when we note the large list of eminent musicians the world over, who have at least started and obtained, as far as a public school can give them, their inspiration and education of music in our schools, we have reason to be satisfied, and a little pride in our success may well be pardoned. As imitation is commendation, it may be well to remark that our custom of having a good orchestral accompaniment at our public exercises is being rapidly adopted almost everywhere.

Our schools are well equipped and are doing excellent work, the pupils being interested and enthusiastic. The only suggestion I have to make is that the Knapp School should be furnished with a piano, it being the only school in the city that is without one.

Let me take this occasion most cordially to thank the members of the School Board and the teachers for their kind assistance and hearty co-operation.

Very truly yours,

S. HENRY HADLEY.

Somerville, December 13, 1901.

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

My dear Sir: I am happy to respond to your request to indicate the work done in music in the six lower grades of our schools, and to show, as far as possible, our aims and our progress.

"The ultimate object of teaching music in the public schools is to arouse and cultivate the love of music in the child."

The success of instruction in any subject depends upon two things,—that the end be kept clearly in view, and that a direct course be taken to that end.

Grade I. When the little people come to us from home, there is a great difference among them musically, but they have in common the love of singing. Taking this for a starting point, the teacher begins the rote singing of songs about things well known and loved by the children, and of such a character that all may participate. Each child enters into the spirit of the singing with as much assurance and spontaneity as if it were a game. Natural differences show in time, but by carefully grading the songs, the deficient ones are helped in such a way that many never lose self-confidence.

Material for these first steps is found in Mr. Cole's "The Child's First Studies in Music." The first songs involve but one degree of the scale, the next two degrees, and so on, till the entire scale is used. These simple songs remain favorites throughout the year, and are often selected by the children when they have passed on to a higher grade.

When the scale is reached, it is dwelt upon for a long time. All Mother Goose melodies, nursery rhymes, and memory gems that can be sung to the scale are used. The singing names, do,

re, mi, etc., are taught with the other scale songs.

While the children have been happy singing their rote songs, the underlying thought of the teacher has been to increase their power—to train the ear to appreciate differences in quality, pitch, duration and force of sounds.

As the child's perception of musical sounds strengthens, he passes gradually from the imitative stage to that of independent thought. In the study of tone relations, which naturally follows the mastery of the scale, he is given opportunity to exercise his power. The rote songs now involve the intervals which are being studied.

While the study of tone relation is going on, the subject of rhythm is being considered, the pendulum being used as the

standard for time-keeping.

Up to this point the work has been wholly ear-training, and as ear-training is the most important part of any musical training, success further on depends upon the accuracy of these first impressions. It is imperative that teachers have keen tone perception.

When certain intervals and the measure have become definite mental objects through the hearing, it is time for representation.

All through the course ear-training precedes eve-training. The thing to be taught is presented to the hearing before its representation is shown, be it a chromatic tone or a point in time.

"Let all representation stand for some mental object previously established through the hearing," is the direction.

Representation of sounds is but arbitrary at best. The staff representation is given at once for the reasons that it is the accepted representation, and in order to make the connection between the mental impression and these arbitrary signs as strong as possible.

The eye-training follows the line of the ear-training, advanc-

ing gradually from simple to more difficult.

Tune and time problems are studied separately at first, then simple exercises which involve the points mastered are sung from the chart. The pendulum is used to regulate the time, and the teacher directs for a while, till a path is beaten for the children to follow when left to walk alone. The pleasure children feel when they realize that they have learned a song by themselves can only be appreciated by those who have seen their beaming faces.

Grade II. Rote singing is continued in this grade. month brings its thought of season or holiday. January has been chosen as the lullaby month, and is a favorite with teachers and Then, numerous Iullabies are learned—old favorites and selections from standard composers. While but one rote song is required a month, the grade teacher may make additional selec-

tions for her class, subject to certain restrictions.

Besides the pleasurable element, this rote work, when done properly, has a great educational value. The same method of teaching is used as in the first grade. The steps are as follows:—

Teacher sings whole song.

Children listen while teacher sings first phrase often enough to make a clear impression.

3. Children imitate to test accuracy of impression.

Correct, if necessary, repeating whole phrase, or part that is incorrect.

Children repeat several times.

Take up each phrase in same way till whole song is learned.

The teacher should not sing with the children, for many reasons. When they find that they must depend upon themselves, they listen to a purpose, and soon gain the power to "catch" a tune. Few people bring away from a concert any definite musical ideas, because they have never been trained to listen. The music goes "in at one ear and out at the other," so that the pleasure ceases with the performance.

The work in eye-training takes up that of the first grade, continuing with more difficult intervals and arrangements of simple two-part, three-part, and four-part measures. Each child is furnished with a book. It is a great pleasure to watch the faces of the children the first time a book full of music is placed in their

hands.

Grade III. At the beginning of this year some rote singing is done, but, as the songs in the music books become more numerous, and the children gain facility in reading music, it is discontinued.

The exercises for eye-training include all intervals of the diatonic scale and all possible combinations of simple measures.

In this grade we expect to gain fluency in sight singing.

Two-voice singing is introduced. The class is divided, and the teacher dictates two tones to be sung together, one tone for each part at first, then phrases, till the ear becomes accustomed to the harmony. The exercises of the book are treated in the same way, as studies in harmony, the parts always being taken together, not separated, and then sung as two melodies pitted against each other, but as parts of a whole, each necessary to the completeness. Detaching the petals of a flower spoils it.

A child who cannot naturally hold the lower tones is treated with the same consideration as a monotone in the first grade,

watched and helped.

Here especial care must be taken that pupils use the right tone quality. In the earnestness to hold their own part, there is a danger of singing too loudly and forcing the chest tones. While we say little or nothing about tone production, we have a constant care for the voices in all grades. We appreciate the truth of what T. Maskell Hardy has said in his article on the training of children's voices:

"Children should never be allowed to sing loudly, or quality and beauty of tone will soon disappear. Year by year, hundreds of potentially beautiful voices are sacrificed to the Juggernaut of 'hearty' and 'natural' singing. It is astonishing how great an improvement a little care and judicious training will effect, both in the purity of the quality as well as the volume of the vocal tone produced."

Grade IV. Having acquired accuracy and fluency in reading intervals and steadiness in keeping time, the problem for this year is to divide the beat, that is, to sing two sounds to the pulsation. The dotted note—one and one-half pulsations—and the rested half pulsation are variations to this point. As applied to the different kinds of measures in one-voice and two-voice singing, these problems make this year of great importance.

The chromatic tones, sharp four and flat seven, are first pre-

sented in this grade, and sung from easy approaches.

Grade V. The chromatic scale is presented as the new point in tune and each chromatic tone studied in its relations

in tune, and each chromatic tone studied in its relations.

The study of the technicalities of time is completed, including four sounds to the pulsation, three sounds to the pulsation and syncopation.

Grade VI. Here three-voice singing is begun, and, as in the introduction of two-voice work, the parts are always taken together, beginning with the spelling and pronouncing of chords

for preliminary ear-training. The voices are carefully tested, and assigned to the part best suited to them. All the points in the tune and time studied heretofore are involved in the exercises and songs of this year. The harmonic, melodic and combined forms of the minor scale are part of the chromatic work.

In following the plan we have outlined, it has been the intention all the way along to lead from one thing to another so naturally and gradually that, in getting at the musical thought, the mind is never hampered by the mechanical process of reading notation. Sight reading is but a means to an end.

Of the quality of the material used one can judge by what a competent critic has said about the exercises and songs used:

"The author has held before pupils only the highest and purest forms of musical expression and musical thought. He has done this with such masterly skill as neither to rise beyond the comprehension of his students, nor to fail in sustaining their enthusiastic interest."

How better could a love for good music be instilled into the child than by the use of what is best during these impressionable years?

As we pause to look back over the past year or two, we can see wherein we have progressed by comparing our work to-day with what it was. The greatest improvement has been with us teachers. We have studied the children carefully, encouraged every sign of musical feeling, and learned to adapt our methods to their way of thinking.

With the encouragement which a retrospective glance gives us, we look hopefully into the future. More might be done in the way of bringing the works of the great masters before the pupils. In many schools we have noted the birthdays of musicians, sketched their lives, and had some simple selections from their works, but nothing systematic or general has been attempted. In some cities concerts are given for school children. Just how to make musical knowledge more general is a consideration for the future.

We hope by our teaching that we have aroused and cultivated the love of music in the children, and so trained them in the elements that the treasures of music are accessible to them.

I cannot close without gratefully acknowledging the hearty co-operation of the efficient corps of teachers, who have been quick to appreciate my methods, and faithful in carrying out all directions, laying aside personal opinions, and entering into the spirit of my plans.

Respectfully submitted,

CHARLOTTE D. LAWTON.

Schools and Public Library. There is no city in the state, if there is in the country, that is doing as much as Somerville to establish the reading habit among its youth. The liberal and progressive spirit shown by the managers of the Public Library, the exceptional facilities accorded teachers and pupils in the use of its books, the opening of a children's room in the Library, and the interest shown by teachers and the assistance and stimulus given by them are rapidly creating a taste for reading in the young that must go far towards their improvement. Nothing that the genial librarian can do to bring books and readers together is left undone.

Books called for by teachers are willingly bought, and constant help is given to inquirers by the assistant in charge of the school side of the library work. Moreover, facilities have been given freely for an exhibition of the art work of the schools, and later on a room was given up to the display of the products of the

skill of children in the vacation schools.

Too much stress cannot be laid upon the importance of this correlation of library and schools. They are the two great agencies of popular education, and each may supplement the other, one affording opportunity, and the other guidance and encouragement.

During the year 5,171 volumes have been circulated in the schools, while 100 libraries of 2,610 volumes have been located in different school buildings easily accessible to pupils of all grades.

Condition of the Schools. Much has already been said in this report regarding the material and financial condition of school interests, as well as concerning certain phases of the work that is being done. Were there time, it might be interesting to survey the entire school field in detail, showing what is attempted and what accomplished. But even this would be unsatisfactory, for the most important work of school and teacher is upon character, and can only be seen and tested when, later on, the actual conflicts, and obstacles, and temptations of life are encountered. It may perhaps suffice to say here that in all departments the year has been one of steady and, on the whole, satisfactory progress. No radical changes have been attempted. The effort has been carefully, if conservatively, to follow the beaten paths that lead to practical results. The ideal has not been realized, and, we trust, may never be, for "A man's reach should exceed his grasp, else what's heaven for?"

It is safe to say that among our educational forces there is a constant striving for better things. A few may feel that they have reached the summit, but the great majority are searching for the new and better way. The child, with his infinite possibilities, how to train his undeveloped faculties, how to inspire the right motives, how to regulate his choices, how to control his will, how to give him command of himself, how to lead him to form correct judgments, how to toughen his moral fibre so that he shall stand in the hour of trial, how to mould his character that he shall be always manly, and pure, and true, and become

wise and useful,—all these things furnish the progressive and aspiring teacher inexhaustible opportunities, to say nothing of the question of the best methods of teaching geography and arithmetic.

It is pleasing to note, as a sign of better days, that parents and teachers, the home and the school are coming into greater accord, and uniting with a common purpose to secure a common end. But there is need of greater sympathy and closer union. In these days it is often true that they that be against the child are more than they that be for him, and all agencies that are for him should be in hearty co-operation.

The discipline and methods of control in our schools are steadily tending away from the use of external force towards the exercise of moral power existing in the personality and character of the teacher. The will is being reached and guided by appeals to higher motives, and the power of self-control is being developed. The ability to do this, however, is innate, and some teachers still are forced to govern the child from without rather than from within himself.

Conceding the general excellence of our schools, it is pertinent and proper to ask whether they may not be improved. It would be deplorable if this inquiry could be answered only negatively.

Certain material changes in the line of improvement have already been suggested. In some schools there is need of additional appliances for instruction,—reference books, maps, apparatus. Possibly modifications of our courses of study would be advantageous. The proposed introduction of manual training and cooking, even in a simple preliminary way, as suggested by the drawing supervisor, will be a step ahead. Surely there would be a gain in increasing the facilities for individual instruction, in not yoking together the quick and bright with the slow and plodding, in a differentiation of requirements, in giving genius a chance to follow its bent, in affording the weak an opportunity commensurate with their ability. The employment of additional supervisors would be of decided advantage, if it could be afforded. There is need of a revival of interest in the subject of physical training, an unvarying method having been rather monotonously followed for a dozen years. A supervisor, even temporarily employed, would infuse new vigor in this important direction. Some cities have found a wise supervisor of reading and another in nature work a means of arousing new interest and securing better results. It may, furthermore, be said, in all modesty, that it might be better for the schools if some way could be found to relieve the Superintendent from certain duties that are less directly connected with legitimate supervision, that he may have more time to spend with teachers in the schools.

But all questions of the improvement of schools focus at last in the teacher. To improve our schools we must improve our teachers. They vitalize what would else be, however well clad, nothing but a lifeless body. Herein lies the secret of the successful administration of school interests. Only through the best teachers are our ideals to be reached, only they can ensure us an equivalent for our generous expenditures. To secure and retain large-hearted, broad-minded, well-educated, thoroughly-trained, completely-equipped, constantly-aspiring teachers is the one essential demand if we would improve, or even maintain, our standard of school efficiency. And this is a difficult task. Woman's manifest destiny interferes with its accomplishment. Similar needs in more fortunate communities make it harder. The time required for suitable preparation and growth, low standards, and pecuniary necessities sometimes complicate the situation. But the demand is recognized, and the supply is increasing with encouraging rapidity. Gradually, but surely, the conviction grows that the prosperity of the community and the safety of the people lie in the wise education of the young, and that this supremely important task should be committed only to those qualified by nature, education and experience to accomplish it successfully.

The Superintendent desires to acknowledge with thanks the consideration, forbearance and guidance of the members of the committee, and the co-operation and help of supervisors, principals and teachers in the work of the year. To the members of the local press, to parents, to the City Government, and to citizens generally, grateful acknowledgments are due for their con-

tributions to render the schools more efficient.

Respectfully submitted,

G. A. Southworth,
Superintendent.

Somerville, December 27, 1901.

In Memoriam.

At the November meeting of the School Board, the Superintendent announced the death of Annie L. Savage, a teacher in the Bennett School.

The following order, offered by Mr. Poole, was unanimously adopted by rising vote:—

Ordered: That the following memorial be entered upon the records of the Board, and a copy sent to the bereaved family:—

Miss Annie L. Savage was born in Charlestown September 21, 1851, and died, after a week's illness, in Cambridge November 7, 1901. She was graduated at the Somerville High School in 1869, and at the Salem Normal School in 1872. She began her work as teacher in the Webster School in September, 1873, and served the city for an uninterrupted period of twenty-eight years.

The School Board of Somerville desires to place on record its grateful recognition of her long and valuable service. Her patience, her sympathy, and her tender regard for the welfare of the children under her charge gave especial value to her work, and won for her the respect and affection of all who came under her influence. She was faithful to the sacred trusts committed to her care, and lives in the memories of those she served.





ORGANIZATION OF SOMERVILLE SCHOOLS.

Information concerning our schools is frequently sought by citizens or by school men in other localities. Following are the principal facts concerning them. Additional knowledge may

be gained from the Rules and Regulations:-

Kindergartens. The city supports four kindergartens, in the Hanscom, Jackson, Baxter, and Glines Schools. Vaccinated children between four and five years of age are admitted to the kindergarten nearest their residence during the months of September and April, and may remain until the July following their fifth birthday. Sessions from 9 to 12.

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

visitation, preparation, mothers' meetings, and the like.

Primary Schools. Our elementary school course covers nine years, the first three of which are spent in primary schools. We have no exclusively primary school buildings, the ninety-one primary classes being distributed among the twenty-three schoolhouses.

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

At present the primary classes contain 4,080 pupils, 37 per cent. of whom are in the first grade, 32 per cent. in the second, and 31 per cent in the third. Average number to a teacher, 45.3.

Only trained or experienced teachers are employed, the salaries being \$300, \$400, \$500, \$600, or \$650, according to length of service. Normal training is equivalent to a year's experience, and experience in other places is counted in determining salary.

First-grade teachers, with classes numbering fifty, are allowed an assistant, who is paid \$200, \$275, \$350, or \$425, accord-

ing 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 sixty pupils were promoted into the fourth grade in June last, at an average age of nine years, five months.

Four hundred and ninety-seven were graduated in June, at an average age of fifteen years, four months. There are at the present time (December, 1901) 5,292 in the grammar schools.

The salaries of grammar school teachers are the same as those of primary teachers. Masters are paid \$1,900, and their assistants \$725. Other ninth-grade teachers are paid \$700.

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

Where there is reasonable doubt of a student's fitness, he may be promoted on a trial of three months. In such cases the parent is notified and kept informed of his child's progress. At the end of this probationary period he may be returned to his former grade, provided it seems for his interests. In 1901 less than ten per cent. of those promoted on trial fell back.

Children capable of more rapid advancement may be promoted one or more grades at any time. Forty-seven were thus

promoted in 1901.

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.	Gradu- ates.	Cost of Instruction.	Per Capita Cost.	Teachers.	Pupils to a Teacher.	
1895–6	257	69	50	\$11,702	\$45.57	9	28.6	
1896–7	262	81	51	11,840	45.19	9	29.1	
1897-8	273	86	55	11,921	43.67	9	30.3	
1898-9	264	78	51	11,935	45.21	9	29.3	
1899-0	245	65	48	12,491	50.98	9	27.2	
1900-1	271	104	56	12,676	46.74	9	30.0	
		201		12,010	10011			

COURSE OF STUDY IN THE LATIN HIGH SCHOOL.

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

FIRST YEAR.-CLASS I.

Latin.—First lessons, with translation of easy Latin prose, and introduction to Caesar.

Mathematics.—Elementary algebra through quadratic equations.

History.—Ancient history, with historical geography.

English.—Introduction to English literature, with special study of works of American authors. Rhetoric and English composition.

Elective Drawing.

SECOND YEAR.—CLASS II.

Latin.—Easy Latin prose, with four books or less of Caesar's Gallic War. Latin prose composition.

Mathematics.—Plane geometry.

English.—English literature, including part of the works prescribed in the requirements for admission to college. Rhetoric and English composition.

One of the three following languages:-

- 1. Greek.—First lessons, with translation of easy Greek prose and introduction to Anabasis.
- 2. German.—First lessons, with translation of easy German.

 German conversation and written composition.
- 3. French.—First lessons, with translation of easy French.
 French conversation and written composition.

One of these languages may also be elective.

Elective Drawing.

THIRD YEAR.—CLASS III.

Latin.—Selections from Sallust, Nepos, Caesar, and Ovid. Aeneid, four books. Cicero, three orations.

Mathematics.—Algebra reviewed and completed to satisfy the requirements for admission to college.

History.—History of Greece and Rome. Ancient geography.

English.—English literature, including part of the works prescribed in the requirements for admission to college. Rhetoric and English composition.

Elective Physics —Elementary principles, with experiments and a course of laboratory exercises Friday afternoons during the year.

One of the three following languages:-

1. Greek.—Selections from Anabasis. Hellenica, and other Greek prose. Greek prose composition.

2. German.—Translation of German prose and poetry, with conversation and written composition. Grammar.

3. French.—Translation of French prose and poetry, with conversation and written composition. Grammar.

One of these languages may also be elective.

Elective Chemistry. Elective Drawing.

FOURTH YEAR.-CLASS IV.

Latin.—Aeneid, five books. Ovid, 2,000 lines. Cicero, six orations. Latin prose composition.

Mathematics.—Review of plane geometry, with original demonstrations and solutions of problems. Elective solid geometry.

English.—English literature, including the remainder of the works prescribed in the requirements for admission to college. Rhetoric and English composition.

Two of the three following languages:—

- 1 Greek.—Seven books of Iliad and Odyssey. Selections from more difficult Greek prose. Greek prose composition.
- 2 German.—Elementary German for beginners. Advanced German for those who have studied the language earlier in the course.
- 3 French.—Elementary for beginners. Translation of simple prose and poetry, with conversation and written composition as a preparation for translation at sight of easy French into English and English into French. Grammar. Advanced French for those who have studied the language earlier in the course.

Elective Chemistry. Elective Drawing.

There is practice in sight reading in all the languages each year.

Advanced French, advanced German, advanced mathematics, and chemistry may be substituted for a part of the Latin, a part or a whole of the Greek.

There are exercises in debate during the whole course in

English.

In each language there are five recitations a week during

the year.

Special courses are marked out to meet the wants of those pupils who desire special preparation for special courses in 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.	Gradu- ates.	Cost of Instruction.	Per Capita Cost.	Teachers	Pupils to a Teacher.
1895-6	456	213	67	\$20,102	\$44 13	21	21.7
1896-7	531	235	70	23,010	43 33	21	25.3
1897-8	535	224	75	24,843	46 44	22	24.3
1898-9	575	231	86	26,159	45 49	23	25.0
1899-0	669	316	83	31,322	46 82	27	24.8
1900-1	691	249	97	32,739	47 35	30	23.0

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.

COURSE OF STUDY.—ENGLISH HIGH SCHOOL.

FIRST YEAR.	SECOND YEAR.	THIRD YEAR.	FOURTH YEAR.
REQUIRED STUDIES.	REQUIRED STUDIES.	REQUIRED STUDIES.	REQUIRED STUDIES.
ਦੂ ∫ English 4.	English 4.	English 4.	English 4.
English 4. Ancient History 2. Algebra 4.	Mediaeval History 3. Geometry 4.	English and Modern European History 3.	United States History and Civics 3.
Elocution 1.	Elocution 1.	Elocution 1.	Elocution 1.
Ethics 1.	Ethics 1.	Ethics 1.	Ethics 1.
Freehand Drawing 2. Music 1.	Music 1.	Music 1.	Music 1.
Music 1.	Physical Training 1.	Physical Training 1.	Physical Training 1.
Physical Train-		Physiology 1.	Physiology 1.
ELECTIVE STUDIES.	ELECTIVE STUDIES.	ELECTIVE STUDIES.	ELECTIVE STUDIES.
ಲ್ಲೆ (French 5.	French 4.	French 4.	French 4.
French 5. German 5. Latin 5.	German 4.	German 4.	German 4.
Latin 5.	Latin 4.	Latin 4.	Latin 4.
Botany 5.*	Physics 5.	Chemistry 5.	Advanced Botany 5.*
Zoology 5.*			Advanced Chemistry 5.
ပံ			Advanced Physics 5.
Science			Advanced Zoology 5.*
S			Astronomy 5.*
			Geology 5.*
b0			Physical Geography 2.
Manual Training 6. Mechanical Drawing 3.	Manual Training 6.	Manual Training 6.	Manual Training 6.
ing 6. Mechanical	Freehand Drawing 2.	Freehand Drawing 2.	Freehand Drawing 2.
Manual Training 6. Mechanical Drawing 3.	Mechanical Drawing 3.	Mechanical Drawing 3.	Mechanical Drawing 3.
Mar	Domestic Science.	Domestic Science.	Domestic Science.
ż		Advanced Algebra 5.*	Analytic Geometry 2.
Mathematics.		Advanced Geometry 5.*	Solid Geometry 5.*
athe			Trigonometry 5.*
2(Bookkeeping 5.	Bookkeeping 5.
cial s.		Commercial Arithmetic 2.	Commercial Law 2,
Commercial Studies.		Penmanship 2.	Stenography 5.
Con		Stenography 5.	Typewriting 3.
		Typewriting 3.	

* Half year.

The figures at the right of subjects in the course of study indicate the number of recitation periods each week.

1. A pupil in course for a diploma is required to take studies representing fifteen periods of prepared recitations and five periods of unprepared recitations each week. Pupils who do not take the required amount or kind of work are classed as partial students.

2. 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.

3. All electives are prepared studies, with the exception of drawing, manual training, penmanship, and typewriting. As these studies require no home preparation, the number of recitation periods required is equivalent to the following periods of prepared work, and must be so considered in selecting courses:—

Freehand drawing (two periods) equivalent to one period of pre-

pared work.

Manual training (six periods) equivalent to three periods of pre-

pared work.

Mechanical drawing (three periods) equivalent to two periods of prepared work.

Penmanship (two periods) equivalent to one period of prepared

work.

Typewriting (three periods) equivalent to two periods of prepared ork.

4. Double periods are assigned to laboratory work on certain days. This increase in periods is offset by exemption from study in preparation. To counter-balance the small amount of time devoted to studies which are strictly classed as unprepared,—as preparing notes for ethics or memorizing exercises in elocution,—an unprepared recitation will be assigned occasionally in prepared subjects.

5. Pupils electing manual training must also elect mechanical drawing, although mechanical drawing may be elected with-

out manual training.

6. A pupil may select any elective of his own year or of the years which precede it. Only one foreign language may be begun the same year. It should be continued two years at least; a longer time is strongly urged.

7. There must be a sufficient number of pupils desiring a certain elective to warrant a class being formed in that subject.

- 8. Regular courses are required in preparation for Normal Schools, the Institute of Technology, and other Scientific Schools.
- 9. No pupil will be permitted to take more than fifteen hours of prepared work, unless his scholarship and health warrant the increase. The above regulation refers to the addition

of an extra study, after the fifteen periods have been selected, but does not forbid a choice of studies unavoidably exceeding the required number of periods.

10. In June of each year pupils will be asked to choose electives for the following year. No change of courses will be allowed during the year, except for urgent reasons, and then only

by permission of Superintendent and Head Master.

11. Pupils who are unable to take the full course, *i. e.*, fifteen periods a week for four years, may take twelve periods a week for five years by consulting the Superintendent and Head Master. In other words, sixty periods of prepared work, together with the unprepared work, constitute a full course, which entitles a pupil to a diploma of graduation.

Concerning admissions, sessions, etc., see Latin School.

A simple, healthful, inexpensive lunch is served at the recess midway of each session to pupils of either high school 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 \$1,450.

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 \$600.

Music. Weekly instruction in music is given exclusively in the High Schools, and in part in the three upper grammar grades by a specialist, who is paid \$1,700 for five days' service. The books used are "The Euterpean," "The Cecilian Series of Music and Song," Nos. 2, 3, and 4, and "The Laurel Song Book."

In the six lower grades musical instruction is given by the regular grade teacher, under the supervision of a specialist, who visits each class once every twelve days. She is paid \$900. The Normal System of Music, with its books and charts, is used.

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

Recesses. The Latin School has two brief recesses, breaking the daily session into thirds. The English School has a single

recess at the end of the third period.

The four lower elementary grades have a five-minute recess midway of each session. The five upper grammar grades have

no recess, though no unreasonable physical restraint is placed upon any pupil.

No detention of pupils is allowed at noon, and but a halfhour's detention at the close of the afternoon session, "for willful

neglect of duty only."

Corporal Punishment. Corporal punishment, "which includes any infliction of physical pain or application of physical force," is not prohibited. It must, however, not be administered until twenty-four hours after the offense, the approval of the principal being first obtained. Each case must be reported in detail to the Superintendent. There were 270 cases in 1900, and 284 in 1901.

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. A few Latin School pupils are taught drawing in the English School.

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

month, and is paid \$1,000.

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

Penmanship. Intermedial slant writing is in use in the eight lower grades of the elementary schools, the Smith system being used. No copy books are used. The supervisor visits each

class once in four weeks, and receives \$1,200.

Student Teachers. At the present time two student teachers are employed in each High School. They 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, Forster and Highland buildings from October 1 on four evenings a week, from 7.30 to 9.30. The length of the term is dependent on the interest and attendance. The course of study followed is that prescribed by the statute. Principals receive \$3 or \$4, and assistants \$2.50, \$2, \$1.50, or \$1 each evening.

Truants. The city employs one active truant officer, who is paid \$1,100. Truants are sent to the county truant school at North Chelmsford. There are now nine truants from Somerville

in the school.

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

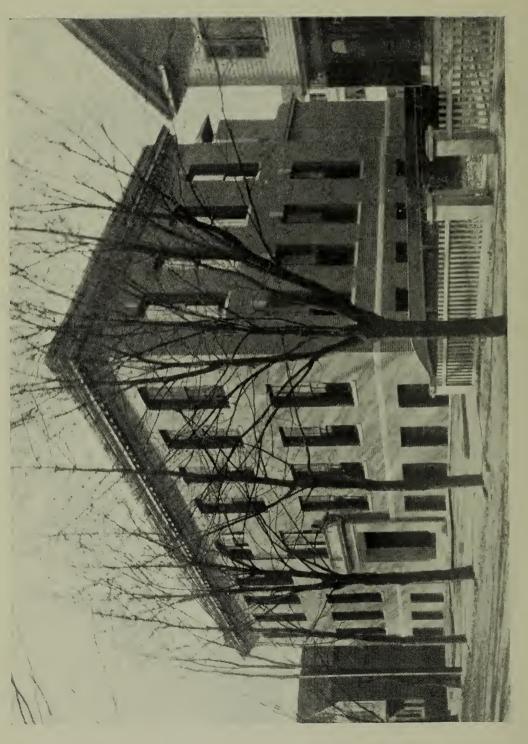
and that of the school principal.

Supervision. The Superintendent of Schools is the executive officer of the board, and upon him devolves the general management of the schools under its direction. He serves as the secretary of the board and supply agent. His salary is \$3,000, and he is allowed a clerk, who receives \$650. His office is in the City Hall Annex, and his hours are from 4 to 5 each school day, and from 8 to 9 on Saturday. His office is open from 8 to 12 and from 1.30 to 5 on school days, and from 8 to 10 on Saturday.

Board Meetings. The meetings of the School Board are held on the last Monday evening of each month, except July, August,

and December, at 8.15 o'clock.





CONTENTS OF APPENDIX.

Concerning Finance.

No. of Table.

Schedule of school property.

Cost of maintaining schools, 1901.

- Cost per capita of maintaining schools, 1901. Cost of maintaining schools for a series of years.
- Cost per capita for maintaining schools for a series of years. 5. Amount spent annually for new school buildings, and for repairs for a series of years.

Concerning Pupils.

Population and School Census.

Attendance, etc., of the schools for 1901. S.

Statistics of the high schools, for school year 1900-1901. 9.

10.

Pupils by grades, December, 1901. Separate statistics for grammar and primary schools, 1901. 11.

12. Admissions to first grade in September.

13. Number of grammar school graduates, 1901.

14. Truant statistics, 1901.

15. Evening school statistics, 1901.

Grammar school graduates for a series of years. 16.

17. Attendance statistics of all schools for a series of years.

18. Statistics of the high school for a series of years.

19. Promotions, 1901.

Concerning Teachers.

20. Resignations of teachers, 1901.

21. Teachers elected in 1901.

22. Leave of absence of teachers.

23. Transfers of teachers.

24. Number of teachers employed for a series of years.

Miscellaneous.

25. Changes in text-books, 1901.

26. High school graduation exercises, 1901.

27. Grammar school graduation exercises, 1901.

28. Organization of school board for 1902. 29. Teachers in service January, 1902.

30. Officers in service January, 1902.

31. School janitors.

TABLE 1.—SCHOOLHOUSES.

	NAME.			Size of Lot.	Valuation.	When built.	No. of years used.	Enlargements.
1	Latin High .		l a4		\$56,000	1871	29	
$\overline{2}$	English High		1		141,579	1895	5	
3	Prescott		1 10	21,444	47,000	1867	33	
					21,000	100.		(4 rooms added 1882
4	Edgerly		12	26,428	47,000	1871	29	4 rooms added 1892
	3			'	, -			
5	Bell		12	23,393	47,000	1874	26	
6	Knapp		12	24,517	58,000	1889	11	4 rooms added 1894
7	Pope		12	27,236	64,000	1891	9	
8	Forster		20	28,999	83,000	1866	34	6 rooms added 1899
9	Glines		14	28,800	73,661	1891	9	5 rooms added 1896
10	Morse		12	29,109	47,000	1869	31	6 rooms added 1890
11	Carr		15	21,400	67,000	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	35,000	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	Brown	•	6	20,093	38,000	1901	1	
20	Bennett	•	. 4	20,560	10,600	1868	32	
21	Baxter	•	6	11,000	33,000	1901	1	
22	Davis	•	4	38,152	25,700	1884	16	
2 3	Cummings .	•	4	11,300	15,700	1884	16	
24	Durell	•	4	13,883	16,879	1894	6	
25	Lincoln	•	4	17,662	14,700	1885	15	13.
	Total .	•	230		\$1,180,047	• • • •	•••	

⁽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 lunchroom in basement.

TABLE 2.—COST OF MAINTAINING SCHOOLS, 1901.

School	LS.		Teachers.	Care.	Supplies.	Total.
Latin High . English High Prescott . Knapp Pope Bell Edgerly . Glines Forster . Carr Morse Highland . Hodgkins . Bingham . Burns Hanscom . Baxter . Perry . Prospect Hill Brown . Davis . Bennett . Jackson . Cummings . Durell . Lincoln . Evening . Vacation .			\$12,901 52 34,808 58 11,044 19 10,609 94 10,479 62 10,543 86 10,506 97 12,588 72 15,405 14 13,156 28 11,051 61 10,840 15 11,205 42 6,307 55 6,566 31 4,688 15 1,767 61 4,054 63 4,472 67 1,744 06 2,841 35 3,169 10 1,923 92 2,831 21 2,865 22 2,867 14 4,909 80 405 00	\$1,646 88 3,347 55 1,810 59 1,877 68 1,574 29 1,526 60 1,447 30 1,778 56 2,857 65 2,084 32 1,415 20 1,678 06 1,567 27 931 83 1,157 90 931 04 928 25 1,190 78 634 71 575 88 635 56 461 75 305 31 522 50 797 92 719 12 1,128 73	\$785 64 4,733 08 537 97 817 97 812 01 909 18 810 56 649 54 1,376 69 797 47 710 16 840 51 917 38 315 04 352 69 247 97 469 11 192 59 144 80 950 71 187 85 106 99 73 28 207 77 112 42 174 92 373 38 99 26	\$15,334 04 42,889 21 13,392 75 13,305 59 12,865 92 12,979 64 12,764 83 15,016 82 19,639 48 16,038 07 13,176 97 13,358 72 13,690 07 7,554 42 8,076 90 5,867 16 3,164 97 5,438 00 5,252 18 3,270 65 3,664 76 3,737 84 2,302 51 3,561 48 3,775 56 3,761 18 6,411 91 504 26
Totals .	•	•	\$226,455 72	\$35,533 23	\$18,706 94	\$280,795 89

TABLE 3.—PER CAPITA COST OF MAINTAINING SCHOOLS, 1901.

Schools.	Teachers.	Care.	Supplies.	Total.
Latin High English High Prescott	48 89	\$5 72 4 70 3 33 3 76 3 31 2 88 2 71 2 96 3 52 3 22 2 47 2 84 2 96 2 62 2 92 3 66 4 38 4 46 2 81 2 06 3 83 2 94 1 96 3 13 4 46 3 97	\$2 73 6 65 0 99 1 64 1 71 1 72 1 52 1 08 1 70 1 23 1 24 1 42 1 73 89 89 98 2 21 72 64 3 41 1 13 68 47 1 24 63 97	\$53 25 60 24 24 66 26 66 27 08 24 49 23 91 25 02 24 19 24 78 22 96 22 60 25 83 21 23 20 39 23 10 23 42 20 37 23 24 21 19 22 08 23 81 23 57 21 32 21 10 20 78
High Schools Gram. and Primary . All Schools	\$47 71 19 89 22 67	\$4 99 3 40 3 56	\$5 52 1 47 1 87	\$58 22 24 76 28 10

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 Member- ship.	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
1901	9,991	226,556	1,731	13,723	20,078	18,707	280,796
				1			

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 Main- tenance to Valuation.
1885	\$16 21	\$1 98	\$1 72	\$19 91	\$24,878,400	.00392
1886	16 76	1 94	1 34	20 03	26,003,200	.00384
1887	16 68	2 37	1 45	20 50	27,469,300	.00388
1888	16 21	2 54	1 36	20 11	28,756,400	.00384
1889	16 20	2 24	1 66	20 10	30,004,600	.00399
1890	16 06	2 18	1 60	19 84	32,557,500	.00395
1891	17 54	2 71	2 14	22 39	36,843,400	.00395
1892	17 66	2 56	1 84	22 06	38,093,100	.00407
1893	17 84	2 70	1 40	21 94	41,773,600	.00379
1894	18 43	2 96	1 51	22 90	44,142,900	.00374
1895	18 92	2 86	1 98	23 76	46,506,300	.00390
1896	20 00	3 17	2 18	25 35	49,013,050	.00418
1897	20 98	3 29	1 73	26 00	50,173,775	.00444
1898	20 83	3 22	1 65	25 70	50,739,700	.00460
1899	20 80	3 28	1 70	25 78	51,202,350	.00478
1900	21 67	3 24	1 60	26 51	52,513,400	.00496
1901	22 67	3 56	1 87	28 10	53,924,200	.00521

TABLE 6.—AMOUNT SPENT ANNUALLY FOR ALL SCHOOL PURPOSES

YEAR. For New Schoolhouses.		For Repairs and Permanent Improvements.	For Maintaining Schools.	Amount Spent for all School Purposes
1885	\$19,185	\$7,052	\$97,648	\$ 113,885
1886	15,515	8,706	99,865	114,086
1887	14,839	13,636	106,563	135,038
1888	4,996	13,994	110,354	129,344
1889	20,167	14,225	119,703	154,095
1890	75,775	19,168	128,684	223,627
1891	84,902	14,847	145,588	245,337
1892	12,679	17,734	155,183	176,001
1893	22,809	12,440	158,333	193,582
1894	82,206	44,764	165,155	292,125
1895	87,680	15,651	180,951	284,282
1896	61,016	33,240	204,743	298,999
1897	46,621	20,507	223,273	290,400
1898	49,983	21,274	233,465	304,722
1899	72,516	15,637	244,915	333,068
1900	51,232	21,745	260,403	333,380
1901	49,203	11,000	280,796	340,999

TABLE 7.—POPULATION AND SCHOOL CENSUS.

	. 3,5	013 540 025 366		1870 1875 1880 1885		14,6 21,5 24,9 29,9	94 85		1900	• •	40,117 52,200 61,634 63,000
			SCI	HOOL	CEI	NSU	5, 19	01.			
Ward 1 Ward 2 Ward 3 Ward 4 Ward 5						•					ildren 5 to 15 hool Census. 1,681 2,438 943 1,010 1,667
Ward 6	•		•	•	•	•	•				1,693
Ward 7	•		•	•	•	•	•	•	•	۰	1.283
Total	•		•	•	•	•	•	•	•	•	10,715
Numbe	er bet	66	5 and 5 " 5 "	15 four 15 " 15 "	66	paro	chial	hools " ool	October October October	1	8,972 1,440 387
Numb	er of			school			14:		the city		0,799
				public paroch			ls, r		490	9 -)	7,559
]	female	es 608		1,093
To	otal	٠			•		•			-	8,652
Children "	between a and 10 out on account of sickness										

TABLE 8.—ATTENDANCE OF THE PUBLIC SCHOOLS, 1901.

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 15 12 12 12 12 12 14 20 15 12	Latin English	311 753 696 672 582 646 638 781 955 789 713 695	288 712 543 499 475 530 534 600 812 647 574 591	275 672 508 473 450 505 501 558 758 600 535 555	95.7 94.4 93.6 94.8 94.6 95.2 93.8 94.0 93.3 92.7 93.3 93.8	277 715 564 549 510 543 558 609 808 670 573 577	317 762 569 506 480 551 541 622 890 661 602 577	47.4 42.3 40.0 45.9 45.0 44.4 44.3 44.1 47.0 48.0
12 8 8 6 5 6	Hodgkins Bingham Burns Hanscom Baxter	739 494 529 348 112 368	530 356 396 254 105 267	504 322 368 234 97	95.0 90.5 92.9 93.0 92.2	569 366 422 264	609 381 384 262 212	46.8 47.5 48.0 43.0 42.2 45.2
6 6 4 4	Perry	304 69 226 156 179	226 111 166 157 91	251 207 105 154 146 80	94.2 93.2 94.0 92.8 93.3 90.8	282 202 171 148 133	271 232 284 168 205	39.0 47.0 42.0 51.6
4 4 229	Cummings Durell Lincoln	$ \begin{array}{r} 232 \\ 249 \\ 263 \\ \hline 12,499 \end{array} $	$ \begin{array}{r} 167 \\ 179 \\ 181 \\ \hline 9,9 1 \end{array} $	$ \begin{array}{r} 155 \\ 168 \\ 169 \\ \hline 9,350 \end{array} $	$ \begin{array}{r} 93.3 \\ 93.3 \\ 93.0 \\ \hline 93.6 \\ \hline 93.4 \end{array} $	$ \begin{array}{r} 179 \\ 174 \\ 195 \\ \hline 10,058 \\ 9,940 \end{array} $	171 197 189 10,643	$ \begin{array}{r} 42.8 \\ 49.0 \\ 47.0 \\ \hline 45.2 \\ \hline 46.1 \end{array} $
222	Total for 1900 .	12,345	9,823	18	93.4	1900.	190	

Cases of	Tardiness .		•		1899. 2,566	2,759	1901. 2,937
"	Dismissals				1,599	1,515	1,746
46	Corporal Punis	shme	en t		312	207	284

TABLE 9.—STATISTICS OF HIGH SCHOOLS FOR SCHOOL YEAR, SEPTEMBER 4, 1900, TO JUNE 30, 1901.

Number of days school kept 181 182 182 Number enrolled 288 777 Average number belonging 271.2 691.4 691.
Number enrolled 288 777 Average number belonging 271.2 691.4 Average daily attendance 259.9 652.7 Per cent. of attendance 95.8 94.4 Tardiness 97 115 Dismissals 112 186 In Class I. September, 1900 104 249 Per cent. of loss 6.1 16.4 In Class III. September, 1900 49 231 June 48 199 Per cent. of loss 2.0 13.8 In Class III. September, 1900 64 139 June 62 122 Per cent. of loss 3.1 12.2 In Class IV. September, 1900 60 113 June 57 108 Per cent. of loss 5.0 4.4 Special Students, September 2 21 June 4 19 Total, September, 1900 268 637 Per cent. of loss 5.0 4.4 Special Students, September 2 21 June <
Total cost per capita

TABLE 10.—PUPILS BY GRADES, 1901.

		ТЕ	АСНЕ	RS.		Pupils	•		erage .ge.			
School.	Cnapa		Won	nen.						chool	r City	<u>.</u>
genoos.	GRADE.	Men.	Regular.	Assistants.	Boys.	Girls.	Total.	Years.	Months.	Never in School Before.	From Other City Schools.	From Other Schools.
Latin " " "	Special Thirteenth				1 24 22 48 56	1 38 27 45 55	2 62 49 93 111	19 18 17 •16 15	5 1 4 1 4		1 5 95	1 1 8 16
	Total	4	5		151	166	317		••••		101	26
English	Special Thirteenth				5 42 67 57 117	20 78 111 121 144	25 120 178 178 261	20 18 17 16 15	3 7 6 2 8		2 1 1 283	3 3 4 3 10
	Total	10	23		288	474	762				287	23
	Total High School .	14	28		439	640	1,079				388	49
Grammar " " " " "	Ninth Eighth Seventh Sixth Fifth Fourth	10	13 15 18 24 24 26	2	246 293 401 503 557 592	296 323 425 535 539 582	542 616 826 1,038 1,096 1,174	14 13 13 12 11 9	10 11 1 1	37	43 38 49 253 330 175	29 38 78 84 125 164
	Total Gram- mar	10	120	2	2,592	2,700	5,292			38	£88	518
Primary	Third Second First		28 30 32	1 1	632 689 780	624 633 722	1,256 1,322 1,502	8 7 6	9 6 3	4 1,092	224 243 214	187 225 208
	Total Pri- mary		90	2	2,101	1,979	4,080			1,096	681	620
	Total Gram- mar and Primary .	10	210	4	4,693	4,679	9,372			1,134	1,569	1,138
	Kindergarten.		4	4	108	83	191	4	s	313		
	Special Teachers	2	5									
	Grand Totals	26	247	8	5,240	5,402	10,642			1,447	1,957	1,187

TABLE 11.—PUPILS IN HIGH AND GRAMMAR SCHOOLS.

	High Schools.	Grammar and Primary Schools.	Kinder- gartens.	Total.
Annual enrollment Average membership Average attendance Per cent. of attendance . Number cases of tardiness . Number cases of dismissal . Number cases of punishment Membership, January, 1901 Membership, December, 1901 Average number to a room	1,064 1,000 947 94.7 264 299 992 1,079 25.7	11,039 8,811 8,256 93.7 2,673 1,447 284 8,892 9,373 45.2	396 180 147 81.7 174 191 48.0	12,499 9,991 9,350 93.6 2,937 1,746 284 10.058 10,643

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

School.	1898.	1899.	1900.	1901.	Scноог.	1898.	1899.	1900.	1901.
Prescott	37	53	56	49	Glines	65	69	70	64
Hanscom Davis	45 26	57 34	56 27	42 37	Forster Bingham	42 53	71 60	69 65	80 78
Bennett	27 22 59	47 28 63	41 14 73	41 2 40	Carr	49 58 25	52 66 46	50 64 34	61 75 40
Perry	15 22	51 37	42 42	48 26	Burns	42 43	67 47	64 77	68 44
Prospect Hill Bell	17 27	30 32	29 43	27 34	Hodgkins Lincoln	51 46	60 44	61 33	70 25
Cummings Edgerly	33 26	37 32	31 24	31 36	Baxter				34 40

TABLE 13.—GRAMMAR SCHOOL GRADUATES, 1901.

	Diplomas.		nber ated for School.	ter	per en- ing School		r enter- ng School.	То	tal.
Schools.	Number receiving Diplomas.	Conditionally.	Unconditionally.	Conditionally.	Unconditionally.	Conditionally.	Unconditionally.	Conditionally.	Unconditionally.
Prescott Knapp	34 38 43 38 47 35 70 36 43 72 41	2 4 5 1 3 4 7 5 5	31 33 34 36 45 29 64 36 38 67 41		9 5 10 7 3 5 19 4 6 13 14 11	1 .: 2 .: 1 .: 1 1 1 1 1 .: 8	17 20 18 25 28 20 34 24 25 41 17 10	1 2 1 1 1 1 1 11	26 25 28 32 31 25 53 28 31 54 31 21
Total	497	36	454	3	106	16	279	19	385

TABLE 14.—TRUANT STATISTICS.

	1896.	1897.	1898.	1899.	1900.	1901.
Number of visits of officer to schools	364 312 116 16 8	427 342 110 10 8	415 411 135 7 6 9	538 448 158 6 6 7	501 470 105 6 4 4	470 502 106 8 9 10

TABLE 15.—ATTENDANCE IN ELEMENTARY EVENING SCHOOLS, SEASON OF 1900-1901.

		Prescott.	Bell.	Forster.	Highland.	Total.
Enrolled	Male Female	*46	294 76	89 29	40 16	469 143
	Total	68	370	118	56	612
Ave. Membership .	Male Female	28 15	121 , 34	21 12	23 10	193 71
	Total	43	155	33	33	264
Ave. Attendance .	Male Female	22 12	86 26	14 9	16 7	138 54
	Total	34	112	23	23	192
Per cent. Att. out of No. Belonging Per cent. Att. out of Enrollment		79.0 50.0	72.2	69.7	69.7 41.0	72.3
No. of Teachers .	Male Female	2 1	5 8	2 1	2 1	11 11
	Total	3	13	3	3	22
No. of Sessions .	• •	76	98	77	47	298
Teachers, cost of . Janitors and supplies,		\$493 50	\$1,968 50	\$426 50	\$270 00	\$3,158 50
cost of	• •	116 33	362 54	108 49	63 53	650 89
	Total	\$609 83	\$2,331 04	\$ 534 99	\$333 53	\$3,809 39
Cost per evening . Cost per pupil in ave.		\$8 02	\$23 78	\$6 95	\$7 09	\$12 78
membership		14 18	15 04	16 21	10 10	14 43
Cost per pupil in ave.	•	17 93	20 81	23 26	14 50	19 94

Average attendance: — October . 273 November . . 229
December . 183 January . 144 February . 130 March . 87

TABLE 15.—EVENING DRAWING SCHOOL, SEASON OF 1900-1901.

		Industrial.	Freehand.	Total.
Enrolled	Male Female	132	33 27	165 27
	Total	132	60	192
Ave. Membership	Male Female	77	15 13	92 13
	Total	77	28	105
Ave. Attendance	Male Female	62	9 8	71 8
	Total	62	17	79
Per cent. Attendance out of No. Belonging	Male 80.5 Female		60.0 61.5	77.1 61.5
	Total	80.5	60.7	75.2
Per cent. Attendance out of Enrollment	Male Female	46.9	27.2 29.6	43.0 29.6
	Total	46.9	28.3	41.1
No. of Teachers	Male Female	4	2	4 2
	Total	4	2	6
Cost per Capita (Avera Cost per Capita (Avera Number of Sessions Average Attendance:— October 1 November . 1		rship) .	\$1,	128 00 305 38 433 38 13 65 18 14 48 68 59 50

TABLE 16.—GRAMMAR SCHOOL GRADUATES

	1885 1886 1887 1888 1888 1888 1890 1891 1892 1893 1894 1895 1896 1897 1896 1897 1899 1900	YEAR.
745	2000 000 000 000 000 000 000 000 000 00	Prescott.
946	38 4 5 6 6 6 6 7 6 6 6 6 7 6 6 6 6 7 6 6 6 6	Bell.
838	28 28 28 28 28 28 28 28 28 28 28 28 28 2	Forster.
779	230 250 250 250 250 250 250 250 250 250 25	Morse.
844	29 29 29 20 20 20 20 20 20 20 20 20 20 20 20 20	Highland.
476	40 40 40 40 40 40 40 40 40 40 40 40 40 4	Edgerly.
367	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Pope.
337	00 00 00 00 00 00 00 00 00 00 00 00 00	Knapp.
208	44 41 42 41	Hodgkins.
170	00 00 00 00 00 00 00 00 00 00 00 00 00	Glines.
107	8 8 8 8 8 8 8 8	Carr.
5,817	211 197 221, 221, 221, 221, 221, 221, 221, 221	Total.
110,210	4,584 4,635 5,100 5,568 6,625 6,626 6,600 6,955 7,201 7,602 8,029 8,351 8,811	Average Membership of Grammar and Primary Schools.
5.28	5.4.4.50 5.2.50 5.2.60 5.2.60 6.60 6.60 6.60 6.60 6.60 6.60 6.60	Per cent. of Average Membership Graduating.
3,927	155 133 146 169 169 228 228 228 228 228 228 237 281 281	Entered High School.
67.70	73.46 67.51 66.06 64.19 60.14 57.86 67.23 61.62 60.30 65.04 68.18 76.00 74.19 73.56 73.72 73.00	Per cent. entering of those Graduating.

TABLE 17. — ATTENDANCE STATISTICS

December.	Enrollment.	Average Membership.	Average Attendance.	Per cent. of Attendance.	Number of Tardinesses.	Ratio of Tardiness to Average Attendance.
1885	6,276	4,904	4,627	94.4	2,480	0.536
1886	6,350	4,985	4,678	93.8	2,834	0.606
1887	6,605	5,198	4,879	93.8	2,699	0.553
1888	7,262	5,488	5,174	94.0	2,938	0.549
1889	7,757	5,956	5,585	93.8	2,780	0.498
1890	7,878	6,485	6,075	93.6	3,133	0.516
1891	8,510	6,502	6,091	93.7	3,182	0.522
1892	9,120	7,035	6,608	93.9	3,181	0.481
1893	9,632	7,217	6,790	94.1	3,375	0.497
1894	9,387	7,212	6,840	94.8	3,000	0.419
1895	9,913	7,617	7,255	95.2	2,736	0.377
1896	10,582	8,077	7,663	94.9	2,743	0.358
1897	11,293	8,589	8,144	94.8	2,486	0.305
1898	11,577	9,085	8,636	95.1	2,941	0.341
1899	11,975	9,502	8,965	94.3	2,566	0.286
1900	12,345	9,823	9,174	93.4	2,759	0.300
1901	12,499	9 991	9,350	93.6	2,937	0.294

TABLE 18. - MEMBERSHIP, ETC., OF HIGH SCHOOL

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	$\frac{1}{25}$	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	$\frac{21}{21}$	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 1885	4,804 4,904	315 385	6.55	46	0.96
1886	4,985	380 374	$7.85 \\ 6.70$	46	$\begin{array}{c} 0.94 \\ 1.12 \end{array}$
1887	4,985 5,198	314	7.44	56 53	$1.12 \\ 1.02$
1888	5,488	435	7.92	95 60	$\frac{1.02}{1.09}$
1889	5,956	444	$\begin{array}{c} 7.92 \\ 7.45 \end{array}$	67	1.09 1.12
1890	6,485	487	7.51	60	0.93
1891	6,502	535	8.23	68	1.05
1892	7,035	577	8.20	80	1.14
1893	7,217	626	8.67	82	1.14
1894	7,274	691	9.50	111	1.52
1895	7,617	775	10.17	92	1.21
1896	8,077	858	10.62	119	1.47
1897	8,589	885	10.31	121	1.59
1898	9,085	890	9.80	130	1.43
1899	9,502	985	10.70	137	1.49
1900	9,823	1,031	10.49	131	1.33
1901	9,991	1,098	10.99	152	1.52
	l	1			

TABLE 19.—PROMOTIONS FOR SCHOOL YEAR ENDING JUNE 30, 1901.

Grade.	On June Promotion List.	Unconditionally Promoted to Next Grade.	Promoted on Trial.	Left Behind.	Promoted more than One Grade.	Special Promotions between September and June.	Promotees Dropped back after Three Months' Trial.
I III IV V VI VII VIII IX	1,508 1,271 1,209 1,056 1,060 848 685 601 507	1,093 1,028 984 879 863 649 523 465 454	77 104 98 81 98 111 97 81 36	338 139 127 96 99 88 65 55 17	9 9 2 4 3 8 8 4	3 5 5 8 2 10 5 3 3	14 12 12 9 15 12 9
Total	8,745	6,938	783	1,024	4.7	44	84

Percentage of Promotions for School Year Ending June 30, 1901.

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 II IV V VI VII VIII IX	100 100 100 100 100 100 100 100	72.5 80.9 81.4 83.2 81.5 76.5 76.3 77.4 89.5	$\begin{bmatrix} 5.1 \\ 8.2 \\ 8.1 \\ 7.7 \\ 9.2 \\ 10.4 \\ 9.5 \\ 9.1 \\ 3.3 \end{bmatrix}$	$egin{array}{c} 22.4 \\ 10.9 \\ 10.5 \\ 9.1 \\ 9.3 \\ 10.4 \\ 9.5 \\ 9.1 \\ 3.3 \\ \end{array}$	0.6 0.71 0.16 0.38 0.28 0.94 1.17 0.67	$egin{array}{c} 0.2 \\ 0.39 \\ 0.41 \\ 0.76 \\ 0.19 \\ 1.18 \\ 0.73 \\ 0.5 \\ 0.59 \\ \end{array}$	13.5 13.2 16.0 9.1 13.5 12.4 11.1 0.3
Total	100	79.3	9	11.7	0.54	0.5	10.7

TABLE 20.—RESIGNATIONS OF TEACHERS, 1901.

School.	Teacher.	Time of Resignation.	In Service.			
Highland Latin High . English High . English High . Hanscom Perry Bell Edgerly Edgerly	Mary E. Cunningham, R. Adelaide Witham, Laura A. Davis, Susie L. Sanborn, Elsie B. Porter, Laura B. Underhill, Ada F. Fernald, Fannie G. Holt, Helen E. Blaisdell,	April 29. May 27. " " " " " "	2 years. 4 " 4 " 5 " 2 " 8 " 2 " 3 "			
Carr	Bessie A. Dadmun, Emily J. Gifford, N. Agnes White. Fred O. Small, Maria B. Smith, Ida M. Kimball, Mary F. Lyman, William I. Corthell, Eleanor M. Varney, Harriette C. Baker, Mary E. Warren, Annie L. Savage,	" Aug. 26. " Sept. 30. " Dec. 24. Died Nov. 7.	4 " 6 " 5 " 2 " 6 " 2 " 3 " 2 " 1 mo. 4 " 1 " 4 mo. 1 " 4 " 28 " 2 "			

TABLE 21.—TEACHERS ELECTED IN 1901.

School.	Teacher.	Coming From	Date.	Salary.	
English High .	Helen N. Follansbee,	Somerville.	May 27.	\$850	
Perry	NT TT-1- NT:1	"	1	500	
Baxter	Katherine Sweeny,	"	"	600	
Perry	Mary E. Blackwell,	"	"	500	
Baxter	Agatha G. Commins,	46	"	400	
Brown	Edna M. Proctor,	Everett.	"	650	
Carr	Mary E. Barnes,	Reading.	"	650	
Highland	Mrs. P. E. Mathews,	Somerville.	"	650	
Highland	Clara B. Hegan,	• •	"	600	
Latin High	Grace T. Pratt,	Pawtucket.	June 24.	900	
English High .	Jonathan Leonard,	Columbia Univ.	"	1,200	
English High .	Helen E. Harding,	Fitchburg.	"	900	
English High .	Bertha P. Chase,	Braintree.	"	900	
English High .	Bessie D. Davis,	Somerville.	"	850	
Bell	Annie G. Smith,	Malden.	"	650	
Bell	Elizabeth M. Collins,	Melrose.	"	650	
Edgerly	Alice W. Cunningham,	Gloucester.	"	650	
Edgerly	Elizabeth M. Wheelock	Malden.	"	650	
Forster	Lucetta Knowles,	Medford.	"	650	
Forster	Mabel G. Delano,	Somerville.	"	650	
Morse	S. Elizabeth Hallowell,	Brockton.	"	650	
Hodgkins	Daisy G. Adams,	Quincy.	66	650	
Hodgkins	Eva E. Whiting,	Everett.	"	650	
English High .	Harry F. Sears,	Salem.	Aug. 26.	1,300	
English High .	Ella D. Gray,	Somerville.		800	
English High .	Charles F. Abbott,	Gardner.	Sept. 30.	1,300	
English High .	Amy L. Cole (Sec'y),	Somerville.	June 24.	500	
Pope	Mildred A. Peck,	Malden.	Sept. 30.	650	
Hanscom	Florence A. Colgate,	Somerville.	Nov. 25.	650	
Knapp	Mattie J. Connolly,	"	66	600	
Knapp	Maude M. Mixer,	North Adams.	Jan.3,1902	650	
Bell	Ella N. Jones.	Malden.	6.6	650	

TABLE 22.—LEAVE OF ABSENCE OF TEACHERS.

January 7. R. Adelaide Witham, for four months.

January 28. Etta A. Seaver, for four months.

May 27. Sarah W. Fox, for one year.

June 24. A. Laura Batt, for one year.

September 1. Helen A. Wooster.

November 25. M. Eva Warren, for five months.

TABLE 23.—TRANSFER OF TEACHERS.

TEAC	HER	s .	From	То			
Charlotte Holmes						Knapp	Baxter
Helen Tincker .	•	•	•	•		Prospect Hill	
H. Gertrude Edgerly					.	66	66
Ethel M. Burton						6.6	6.6
Harriette C. Baker						Carr	Brown
Lucy M. Curtis .						Prospect Hill	6.6
Grace J. Alexander						Burns	6.6
Alice A. Beckwith						66	66
Ida M. Record .						Glines	66
Annie G. Smith .	•					Bell	66

TABLE 24. - NUMBER OF TEACHERS

FOR A SERIES OF YEARS.

YEAR.	High School.	Grammar School.	Primary School.	Special Assistants not in Charge of room.		Men.	Women.	Total.
1885	9	63	48	1	0	10	111	121
1886	9	$\frac{62}{62}$	48	î	ŏ	9	111	120
1887	10	64	48	î	ŏ	9	114	123
1888	10	$\begin{vmatrix} \ddot{66} \end{vmatrix}$	$\frac{10}{52}$		7	9	130	139
1889	10	60	56	$\frac{1}{4}$	7	10	127	137
1890	10	78	58	$egin{array}{c} 4 \ 4 \ 5 \end{array}$	7	$\tilde{12}$	146	158
1891	12	86	63		13	$\overline{12}$	167	179
1892	13	90	67	5 5 5	10	12	173	185
1893	14	88	63	5	19	12	177	189
1894	15	91	66	6 5	11	12	177	189
1895	28	91	73	5	12	19	186	209
1896	30	102	74	6	14	22	208	230
1897	31	109	85*	6	18	22	227	249
1898	32	112	87*	7	13	23	229	252
1899	36	119	92*	7	9	23	240	263
1900	40	127	96*	7	в	24	249	27 3
1901	44	130	94*	7	8	26	257	283

^{*}Four Kindergartners. †Two Secretaries.

TABLE 25.—BOOKS AUTHORIZED FOR USE, 1901.

For Grammar and Primary Schools.

. Blaisdell. Child's Book of Health, Tarbell's Complete Geography.

For High Schools.

. W. L. Tomlins. The Laurel Song Book, .

For All Schools.

The Standard Dictionaries, Funk & Wagnalls Co.

TABLE 26.

HIGH SCHOOL GRADUATION EXERCISES, 1901.

The graduation exercises of the High Schools occurred on Tuesday evening, June 25, at the First Methodist Episcopal Church, in the presence of a large audience of parents and friends.

The address to graduates was given by Rabbi Charles

Fleischer, of Boston.

At the close of the address, the chairman of the School Committee, S. Newton Cutler, presented diplomas to the 152 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. "Herod" (a tragedy by Stephen Phillips). Henry K. Hadley Hadley's Orchestra. Conducted by the Composer.

1. Singing. *Chorus. "Be not afraid" (Elijah).

Mendelssohn

Prayer.

Rev. J. Vanor Garton, of West Somerville.

Singing.

a. Four-part Song, "Ballade of June."
b. Trio, "Morn-rise" (Girls' Voices).

Address to Graduates. H. K. Hadley

Rabbi Charles Fleischer, of Boston.

Singing.

Soli and Chorus, "The Miller's Wooing."

Faning

Czibulka

Presentation of Diplomas.

S. Newton Cutler, Chairman of School Board.

It is urgently requested that the audience refrain entirely from applause during the presentation of diplomas.

7. Singing.

Bridal Chorus, "The Rose Maiden." Orchestral Accompaniment by S. Henry Hadley. Cowen

Latin High School Graduates.

Hazel Bennett. Therese Eva Bonney. Florence Belle Browe. Mercy Parker Byam. Jennie Grace Carpenter. Olive Irene Carter. Martha Theodate Chipman. Gertrude Sara Farrell. Margaret Ellen G. Ford. Carrie Avery Hall. Marcella Fornis Kendall. Nathalie Emerson Kinsman. Eva Lewis.

Mary Ocelia Lewis. Alice Florence Lyon. Florence Lydia McCoy. Helen Louise McGann. Etta Marion McLellan. Isabelle Mary Mellow.
Carrie Josephine Munroe.
Mary Alice Perry.
Mary Stone Piper.
Marion de Belle Raymond.
Alice Winthrop Sears.
Lucy Davis Sears.
Ellen Louise Stacey.

^{*}All singing accompanied by Hadley's Orchestra, under the direction of S. Henry Hadley, teacher of music in the schools.

Sarah Genevieve Stowers.
Ina Gertrude Thompson.
Helen Ella True.
Lillian Chase Vello.
Gertrude Frances Vinton.
Elizabeth Marion Westgate.
Sarah Bartlett Whitaker.
Rosamond Catharine Williams.
Stella Ayers Wilson.
Sarah MacLean Woodman.
Beatrice Woodward.
Edward Olney Arnold.
Lester Manning Bacon.
Samuel Teele Bartlett.
Robert Bennett.

Chester Holbrook Brown.
William Ernest Fisher.
Frank Anton Funcke.
Alexander Graham.
John Carl Haartz.
Arthur Ronald Kimpton.
Horace Hall Leavitt, Jr.
Walter Eric Robertson.
William Ambrose Ryan.
C. Ashton Rollins Sanborn.
Gordon Grant Shearer.
Robert Emmet Spline.
Charles Allan Stackpole.
Samuel Henry Wilkins, Jr.
Austin Melvin Works.

English High School Graduates.

Carrie Ella Adams. Edith Louise Arbogast. Gertrude Tufts Bacon.
Florence May Barber.
Fannie Emily Bragg.
Mary Elizabeth Lily Cosgrove. Jeannette Agnes Dawson. Catherine Frances Dellea. Lulu Marion Dix. Isabel Stanislausa Doris. Lottie May Draper. Mabel Easton. Annie Loretta Farrell. Grace Vivian Fraser. Gertrude Jane Gardner. Mabel Lizzie Gardner. Grace Gertrude Goodrich. Esther Elizabeth Healey. Laura May Hicks.
Ruby Rebecca Higgins.
Almira Lucy Hopkins.
Florence Mitchell Hopkins. Mary Evelyn Hughes. Ethel Amelia Hyde. Willa Helene Johnston. Mary Catherine Keefe. Florence Georgianna Keeler. Ethel Marion Kelley. Gertrude Alice Kendall. Ellen Boyd Kenny. Ella Martha Kiley. Inez Maud King. Maude Louise Knapp. Josephine Lacy. Cathryn Paterson Lawson. Ulrica Clara Loth.
Alice Viola Mace.
Dorothy Graham MacLam.
Isabel French McCoy.
Lena Monroe.
Grace Eva Morison.
Manda Marion Morse Maude Marion Morse. Florence Lillian Mosher.

Elizabeth Rose O'Connell. Ruth Louise Olney. Christina Apphia Parsons. Edna E. Porter. Emma Elizabeth Prichard. Dorothy Mae Reed. Bertha Linwood Rich. Mary C. Rodgers. Bertha May Royal. Edna Florence Scott. Blanche Evelyn Shaw. Gertrude Lillian Shea. Emily Orme Shedd.
Florence Emily Stacy.
Ragnhild Victoria Steinberg.
Elizabeth Jane Stevenson. Catherine Ann Sutton. Ella Theresa Swansey.
Cora Adelaide Taylor.
Affie Isabella Titcomb.
Lulu Pearl Tracey.
Alice Fairall Trochu.
Elsie Ladd Vreeland.
Florence Ann Wellington.
Persis Kendall White.
Bertha May Whitman Bertha May Whitman. Ethel Worcester. George Howard Allen. Harvey Libby Ames. Perley Gilbert Blanchard. William Gardner Bradford. James Herbert Buzzell. Victor Albion Caseau. Sidney Lovett Cole. Carlton Russell Foster. Fred Sumner Hanson, Jr. Harry Chester Hatch. John Martin Jaynes. Carleton Parker Jones. Harrie Percy Jones. James William Kidder. George Edward Liscomb. Fred Clarke McCarthy.

Frederic Everett Moore. Albert Frank Noble. George Roswell Norton. George Willard Patch. Herbert William Purcell.

John Morton Raymond. Samuel Barnes Roberts. George Gustav Wald. Samuel Langmaid Ware. Chester Leland Whitaker.

TABLE 27.

Grammar School Graduation Exercises, 1901.

The number of grammar school graduates was so large,— 497,—that it was found necessary to devote two evenings to the graduation exercises. Accordingly, Wednesday evening, June 26, and Thursday evening, June 27, were set apart for the purpose. The following was the order of exercises on Wednesday evening:-

Order of Exercises, June 26.

Overture. "Light Cavalry."

Suppe

Hadley's Orchestra. 1. Singing.

Handel

Chorus, "And the Glory of the Lord" (Messiah). Prayer. 2.

Rev. R. O. Sherwood, of Spring Hili.

3. Singing.

Verdi

*Bass Solo and Chorus, "Spirit Immortal" (Attila). Address to Graduates.

Subject: "Education by the People Is for the People." George H. Martin, of Boston.

5. Singing.

Soli and Chorus, "The American Flag."

L. B. Marshall

Presentation of Diplomas.

George A. Miles, Vice-Chairman of the School Board.

It is urgently requested that the audience refrain entirely from applause during the presentation of diplomas.

7. Singing.

*Vocal Gavotte, "Tripping o'er the hill comes lovely June,"

Bohm

*Orchestral Accompaniment by S. Henry Hadley.
All singing accompanied by Hadley's Orchestra, under the direction of S. Henry Hadley, teacher of music in the schools.

Names of Graduates.

FORSTER SCHOOL.

Gertrude M. Armstrong. Bertha M. Bacon. James Baldwin. I. Leo Bryan. Michael J. Burke. Thomas W. Burke. Percy G. Burns. Robert A. Burns. Alice G. Campbell. Ruth T. Clarridge. Irving P. Colman. Annie E. Cudmore.

Shirley Cunningham.
Harold R. Currier.
George W. Dainty.
Margaret C. Darling.
Nora G. Doherty.
Alice H. Drew.
Allen E. Elliott.
Lester F. Ellis.
Alice G. Gilrain.
William H. Gleason.
William I. Griffiths. Shirley Cunningham. William I. Griffiths. Margaret E. Gurvin.

Fred L. Ham. Isabella F. Hardy. Annie L. Harrington. Elizabeth M. Harrington. Ethel L. Harvell.
Adelia N. Higgins.
George W. Hinckley. John W. Kane.
Ralph A. Kilgour.
Margaret H. Kilmartin.
Nellie L. Kimball.
Hazel L. La Duke.
Florence L. Leonard. Anna G. Lomasney. Mary F. Macdonald. Mary F. Macdonald.
Florence M. Merrill.
Avis E. Maischein.
Annie R. McCoy.
Elizabeth G. McLaughlin.
Ethel L. Mulliken.
Edith F. Munroe.
James H. O'Gara. Cara E. Patten.

John H. Adcock.
Le Roy P. Bezanson.
Archie J. Bianconi.
George F. Blount.
Warren C. Bucknam.
Charles E. Chase.
Thomas C. Commins.
Katherine A. Conlin.
Frederick W. Cook.
Francis C. Derby.
Edward J. Doherty.
Arthur W. Drake.
Bertha E. Fitzherbert.
Emma Haug.
Philip S. Highley.
Edna F. MacKinnon.
Clarence D. Maynard. John H. Adcock. Clarence D. Maynard. Hattie McCoe.

Astrid A. Anderson. Henry M. Binney, Jr. Clara L. Boyle. Edith A. Burnett. Ruth Butters. Henry V. Carter. Agnes Clifford. Nola W. Coombs. William L. Curran. Helen P. Davis. Chester L. Dawes. Waldo E. Dodge. Carl H. Engstrom. Helen E. Fisher. Henry A. Foley.

Anna F. Ring.
Georgie E. Robbins.
Leo S. Rosenfeld.
Hazel Rugg.
Edwin W. Sargent.
Winthrop Sears.
Albert S. Snow.
Jessie F. Stacy.
Jennie G. Stevens.
Sidney W. Stevens.
George F. Stolar.
Henry W. Taylor.
Robert B. Thayer.
Lauren W. Waldron.
Edgar T. Walker.
Robert H. Walsh.
Ernest A. Ware.
Clara M. Watson.
Edwin H. Weaver.
Joseph W. Whitaker.
Ruth L. Whitman.
Frederic P. Whitney.
George M. York.

CARR SCHOOL.

Llewellyn W. Morgan. James W. Nichols. Detlof Odelstierna. Charles A. Parks.
Louis R. Rea.
Francis W. Rice.
Amy M. Ritzman.
Maud B. Robinson.
Edward J. Roche.
Thomas C. Scottron.
Clarence W. Skinner.
Walter M. Smith Walter M. Smith. Eleanor L. Turner. Hazel C. Trueman. Muriel Trueman. Helen F. Watters. Charles O. Wells. Ninon I. Williams.

MORSE SCHOOL.

Susie M. Frye. Sadie I. Gale. E. Josephine Gilmore.
Wendell P. Harrington.
R. Vernon Hayden.
Arthur W. Hooper.
Guy H. Hudson. A. Marion Hyden.
A. Marion Hyden.
Arthur W. Jackson.
Freda M. Kalberg.
Edith J. Kennedy.
George H. Kiley.
Annie M. Lamburn.
May E. Lynch.
Cora E. Mace.

Frank J. McNamee. Frederick J. Mitchell. Arthur D. Raymond. Frank J. Reynolds. Nellie M. Rose. Florence E. Shaw. Florence M. Shaw.

M. Louise Thiery.
William E. Thumith.
Roland O. Waterman.
James M. Weadick.
Harrison P. Wilkins.
Mabel C. Willey.

HIGHLAND SCHOOL.

Ruth V. Allen. Ruby E. Bacheller. Ellen A. Baker. Catherine V. Baro. Pearle F. Bates. Harry A. Benwell. Scott W. Berton. Warren C. Boothby. Frank Stearns Bowers.
Frank R. Bradford.
Ethel W. Brown.
Otis C. Brown.
Walter F. Burt.
Elizabeth A. Campbell. Alice M. Chadwick. Harold C. Clark. May J. Conant. Edward A. Connor Fred Eugene Connor. Mary B. Connor.
Horace L. Crowell.
Corinne B. Cote.
Florence E. Cummings. J. Harrison Cutting. Blanche B. Dadmun. Ethel L. Davenport. Richard W. Deshon. Edith M. Dickson. Ruth E. Dickson.
Ruth E. Dickson.
Eunice B. Dodge.
Fred W. Emerson.
Lillian I. Fales.
Florence E. Folger.
Zeta B. Folger.
William W. Gilman.
Rena F. Gilman

Harry M. Armstrong.

Harry M. Armstrong.
Gertrude E. Baxter.
Jessie C. Cameron.
Camilla E. Chipman.
Raymond J. Colegrove.
Alice M. Cullin.
Arthur F. Doe.
Samuel H. Dolbear.
David L. Dwyer.
Florence L. Etheridge.
E. Louise Evarts.

E. Louise Evarts. Harold F. Foster. Franklin P. Fuller.

Edna F. Gordon. Effie F. Harcourt. Hazel E. Hart. Lillian E. Hughes. Eric A. Kindlund. Florence L. Kuebler. M. Charlotte Lamb.
Christina V. Manning.
Gertrude A. Marston.
Irma L. McCoy.
Ettamae Merrill.
Helen W. Morton.
Nellie Mulloney. Josephine G. Nicholson. Lloyd A. Patrick. Bertha J. Perry. Augusta M. Peterson. Lizzie M. Phinney. C. Chester Reed. Clarence K. Reed. Eva G. Richmond. Gertrude V. Rogers. Alice L. Rumrill. Lester M. Sawin. Florence E. Smith. Albert Chase Spalding. Nettie Stanley. Marion A. Starkey. Gertrude Sullivan. Edwina M. Sutton. M. Ethel Thayer.
Clarence L. Tower.
Cecilia E. Wahlstrom.
Albert L. Warren.
John H. Weinheimer. Tennie Wickstead.

HODGKINS SCHOOL.

Arthur H. George. M. Regina Holmes. M. Regina Holmes.
William E. Hooper.
George H. Lamont.
Leonard W. Libbey.
Richard H. Libbey.
Ida H. Loveys.
Lilly M. Lunt.
Maud M. Lunt.
Edith M. Marshall.
Esther F. Martin.
Francis V. Mead.
Frank J. Murphy.

J. Leo Murphy. Ruberta Norton. Aaron B. Noyes.
Marion E. Rand.
Florence M. Reed.
Alice M. Richardson.
John S. Robertson.
Mary E. Sargent. William H. Seaver. Harold H. Sharp. Auwelda H. Smith. Minerva Story. George F. Trenholm. Edwin Wallstrom. Richard L. Wood.

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

Order of Exercises June 27.

Overture. "Pique Dame."

Suppe

Hadley's Orchestra. 1. Singing.

Chorus, "And the Glory of the Lord" (Messiah). Handel

2. Prayer.

Rev. Arthur H. Winn, of West Somerville.

3. Singing.

Verdi *Bass Solo and Chorus, "Spirit Immortal" (Attila).

Address to Graduates.

Subject: "The Outfit for Life." Rev. Charles G. Ames, D. D., of Boston.

5. Singing.
Soli and Chorus, "The American Flag." L. B. Marshall

Presentation of Diplomas.

Alvah B. Dearborn, Member of School Board from Ward 3.

7. Singing.

Bohm

*Orchestral Accompaniments by S. Henry Hadley.

All singing accompanied by Hadley's Orchestra, under the direction of S. Henry Hadley, teacher of music in the schools.

Names of Graduates.

PRESCOTT SCHOOL.

Arthur F. Baldwin. Maud M. Batchelder. Maud M. Batchelder
John P. Bevins.
Ruth A. Bidwell.
John F. Breen.
Herbert G. Brown.
Albina M. Comeau.
Emma E. Davis.
Eva T. Eagles.
Alice F. Elliott.
Eda W. Fitch. Ralph B. Guerke.
Avis C. Hall.
Edna M. Hanscom.
Eva M. Hatchett.
Philip S. Harris.
Herbert H. Howard.

Ernest H. Littlefield. Frank A. Mahony. Ruth A. Mahony. Esther A. Meehan.
A. Gertrude Merrill.
A. Myrtle Merrill.
George Everett Miers.
Claire L. Millett.
Frances L. Mowry.
Florence J. Scott.
Ivan G. Smith.
James A. Spiers.
Florence E. Strout.
Jeune E. Thompson.
Walter A. Tolman.
Edward I. Tripp.
George H. Wilson. Esther A. Meehan.

KNAPP SCHOOL.

Osçar F. Abbott.
Esther O. Berglind.
Ethel M. Carr.
Etta M. Davis.
Eleanor M. Dougall.
Elizabeth L. Dougall.
Henry L. Fallon.
Katherine R. Fitzpatrick.
Lillian C. Franke.
Florence C. Gardner.
Katherine M. Gebelein.
William F. Goss.
Edith Hanna.
Lucy R. Haynes.
Fidela E. Holm.
Mabel A. Irving.
Albert C. Kenny.
Charles T. Kenney.
Mary C. Kiley.

Frances P. Abrams.
Nora V. Ahearn.
Mina W. Baker.
Edward P. Beaudet.
Josephine E. Beaudet.
Mathilda G. Beaudet
Marion F. Bunker.
Margaret Burns.
Harry E. Burroughs.
Ernest H. Byrns.
Elizabeth L. Carr.
May V. Colbath.
James A. Colbert.
Dora A. Collett.
Josephine B. Curtis.
Chester B. Davis.
Katherine T. Desmond.
Ruth R. Dodge.
Greta I. Gillett.
Alice M. Gordon.
Andrew A. Hagen, Jr.
Alexander Higgens.

Samuel S. Barker.
Edith P. Baron.
Mary E. Black.
Mildred C. Boynton.
Herbert C. Copithorne.
Elizabeth M. Culliton.
Thomas P. Durell.
Gulielma Glover.
Marcus J. Gray.
Leo E. Hafford.
Edith M. Hetherington.
Clarence A. Higgins.
Robert T. Hines.
Sarah E. Hunt.

Charles A. King.
Ellen J. Koen.
Charles J. Lescarbeau.
Mary G. Madden.
Margaret S. Manning.
Eleanor G. McMenimen.
Irving W. Merrill.
Josephine A. O'Riley.
Jennie M. Rice.
E. Josephine Roberts.
Grace R. Russell.
Harriet Russell.
Thomas J. Segrue.
Margaret E. Shannon.
Charles Silva.
Bernice F. Sprague.
Wilhelmina A. Tyler.
Annie R. Walford.
Jennie Wolf.

POPE SCHOOL.

Ina G. Howe.
Jeannette M. Hutchins.
Francis P. Keefe.
George P. Kelly.
William L. Larsen.
Edwin S. Macgregor.
Anthony R. Malatesta.
Wilhelmina G. Medros.
Martha A. Mess.
George M. Mitchell.
Margaret M. Moody.
Alice C. Pilsbury.
Addie E. Randall.
Henrietta H. Shiner.
Howard C. Spalding.
Constance Tead.
Harry H. Tukey.
Gertrude W. Waters.
Emma Wattie.
Edith M. Wells.
Leslie S. Wiggin.

BELL SCHOOL.

Alice M. Jones.
Ida M. Lander.
Bernice W. Lanphear.
Grace Z. Leavitt.
E. Alice Leyland.
Eva MacLaughlin.
Mary T. McCarthy.
George W. McFadden.
W. Claire Millner.
Emily Morrison.
Mary E. Nardini.
Frances A. Neeily.
M. Louise Patterson.
Tirzah G. Robbins.

Maud Russell.
Florence J. Saunders.
Edward T. Scanlan.
Leonard A. Stevenson.
Mary E. Streeter.

Paul E. Alger.
Ella H. Baptiste.
James M. Brown.
Frank J. Bryant.
William J. Casey.
Maude E. Conner.
Ernest L. Cooper.
Manuel J. DeAvellar, Jr.
Walter J. Driscoll.
Harry L. Dunbar.
Estelle H. Dunton.
Florence L. Foskett.
Bertha E. Gammon.
Ethel M. Glines.
Herbert J. Harper.
Mildred L. Harvey.
John L. Hatchell.
Bertha G. Hayward.
Grace E. Henderson.
Frank H. Hillery.
Edith L. Hilliard.
Frank M. Hughes.
Mabelle E. Langley.
Edith M. Leavitt.

Mildred E. Allen.
C. Alfred Benway.
A. Grace Bliss.
Tom H. Bradley.
Frances E. Bradley.
Raymond E. Channing.
Catherine C. Copland.
Elva D. Cox.
Raymond E. Cushing.
Lillian Davis.
Mary J. Deming.
Joseph A. Driscoll.
Anna N. Emerson.
Frank H. Freeman.
Ira Glassman.
Alice A. Green.
Arthur E. Ham.
Edith F. Hill.

Herbert S. Tourtillott. Ruby L. Tourtillott. Rubie S. Tracy. Ernest F. VerWiebe. Leslie F. Winchenbaugh.

EDGERLY SCHOOL.

Henry R. Lester.
Ruby J. Loveless.
Chester W. Ludwig.
Walter C. Marston.
Grace B. Mayo.
Ernestine A. Mülle.
Edward G. Mülle.
George F. Murphy.
M. Henry Murphy.
Jessie M. Nangle.
George W. Nary.
Charles R. Nason.
Arthur C. Pendergast.
Lester W. Peters.
Waldo D. Phelps.
John A. Prichard.
Marie B. Ransom.
James A. Reynolds.
Raymond I. Reynolds.
Katharine E. Schwab.
Helen J. Stacy.
Ethei A. Thomas.
Grace N. Wilder.

GLINES SCHOOL.

Florence I. Hill.
Clara S. Hyde.
E. Frank Macdonald.
Ruth W. Pratt.
Marion F. Prichard.
Catherine F. Pynn.
William C. H. Robinson.
Leon F. Scoboria.
Edgar F. Sewall.
Randall D. Sheehy.
Arthur T. Soule.
Frederick Spike.
William H. Tarbell.
Maud G. Trench.
Maurice M. Weiss.
Frederick W. Whitney.
Isaac Zinn.

Chairman

1903

1902

1903

1902

Vice-Chairman

TABLE 28. — ORGANIZATION OF SCHOOL BOARD, 1902.

School Committee.

	Members.	
	WARD ONE.	Term expires January.
George S. Poole,	46 Mt. Vernon street.	1903
S. NEWTON CUTLER,	28 Flint street.	1902
	WARD TWO.	
EDWARD J. FLYNN,	273 Washington street.	1903
JOHN H. O'NEIL,	44 Oak street.	1902
	WARD THREE.	
DANA W. BENNETT,	41 Putnam street.	1903
GEORGE E. WHITAKER.	75 Walnut street.	1902
	WARD FOUR.	
WILLIAM P. JONES,	13-A Maple avenue.	1903
GEORGE W. W. WHITING,	282 Broadway.	190^{2}
	WARD FIVE.	
J. WALTER SANBORN,	183 Central street.	1903
QUINCY E. DICKERMAN,	85 Central street.	1902

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

WARD SIX.

WARD SEVEN.

12 Westwood road.

44 Cherry street.

18 Herbert street.

249 Elm street.

Superintendent of Schools,

GORDON A. SOUTHWORTH.

Office: City Hall Annex, Highland avenue.

Residence: 40 Greenville street.

S. NEWTON CUTLER.

FRED M. CARR,

GEORGE A. MILES.

FREDERICK A. P. FISKE,

HENRIETTA B. H. ATTWOOD,

GEORGE A. MILES, .

The Superintendent's office will be open from 8 to 12, and from 1.30 to 5; Saturdays, 8 to 10. His office hours are from 4 to 5 on school days and 8 to 9 on Saturdays.

Office telephone, 314; house telephone, 12.

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

Table 28.—Organization of School Board, 1902.—Concluded.

Standing Committees.

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

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

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

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

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

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

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

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

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

Evening Schools.—Dickerman, Bennett, Fiske.

Finance.—Flynn, Poole, Bennett.
Industrial Education.—Carr, O'Neil, Mrs. Attwood.
Music.—Mrs. Attwood, Whitaker, Dickerman.

Private Schools.—Whiting, Flynn, Carr.

Repairs of School Buildings.—O'Neil, Whitaker, Jones. Rules and Regulations.—Jones, O'Neil, Fiske. Salaries.—Poole, Whiting, Sanborn.

Supplies.—Sanborn, Poole, Miles.

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

TABLE 29.—TEACHERS IN SERVICE JANUARY, 1902.

Name.	Residence.	Salary.	Beginning of Service.
LATIN HIGH SCHOOL. GEORGE L. BAXTER. Head Master, Frank M. Hawes, Master, Charles T. Murray, Sub-Master, George M. Hosmer, Sarah W. Fox,* Frances W. Kaan, Eudora Morey, Mrs. Lena Gilbert, Florence H. Paul, Grace T. Pratt, A. Florence Moulton, Librarian,	27 Warren ave. 257 School st. 28 Franklin st. 13 Arlington st. 99 Irving st., Cambridge. 12 Pleasant ave. 195 Huntington ave., Boston. 51 Elmwood st. 120 Summer st. 47 Dale st., Roxbury. 54 Putnam st.	\$3,000 2,000 1,700 800 1,200 1,000 900 900 900 900 500	1867 1879 1887 1901 1868 1882 1882 1893 1894 1901 1900
ENGLISH HIGH SCHOOL. CHARLES T. C. WHITCOMB, Head Master, John A. Avery, Master, Everett W. Tuttle, Sub-Master, Harry L. Jones, Howard W. Poor, George W. Earle, Jonathan Leonard, Harry F. Sears, Charles F. Abbott, Merrill S. Lovering, A. Marion Merrill, Mary P. Anderson, Laura A. Batt,* Esther Bailey, M. Jessamine Dixon, Mary P. Hitchcock, Lucy Ingram. Carrie A. Marsh, Eda L. Nichols, M. Helen Teele, Clara A. Johnson, Mary F. Carrick, Etta A. Seaver, Bertha P. Marvel, Hila Helen Small, Harriet E. Tuell, Helen L. Follansbee, Bertha P. Chase, Bessie D. Davis, Helen E. Harding, Ella D. Grav, Bessie L. Forbes, Susanna B. Harrington,	12 Highland ave. 37 Boston st. 175 Mass. ave., Boston. 157 Highland ave. 15 Lowell st., Reading. Hotel Hamlet. 62 Highland ave. Melrose Highlands. 36 Greenville st. 21 Bradley st. 137 Highland ave. 232 Highland ave. 232 Highland ave. 232 Highland ave. Concord. 1172 Massachusetts ave., Arlington. 122 Orchard st. 39 Cedar st. 40 Vinal ave. 18 Stickney ave. 66 Putnam st. 11 Jason st., Arlington. 177 Central st. 271 Medford st. 40 Vinal ave. 13 Greenville st. 232 Highland ave. 13 Greenville st. 20 Montrose st. 6 Highland ave. 13 Mt. Vernon st. 18 Russell st. 147 Walnut st. 92 Orchard st. 47 Cedar st.	\$3,000 2 000 1,700 1,450 1,450 1,450 1,300 500 1,200 900 900 1,200 1,200 1,200 1,200 900 900 900 900 900 900 900 900 900	1895 1895 1896 1896 1900 1901 1901 1900 1895 1895 1895 1895 1895 1895 1895 1895 1895 1895 1895 1895 1895 1896 1897 1898 1899 1900 1901 1901 1901 1901 1901 1901 1901 1895 1896 1899 1900 1901 1901 1901 1901 1901 1901 1901 1901 1901 1901 1901 1901 1901 1901 1901 1900 1901 1900 1901 1900 1901 1900

^{*} On leave of absence for one year.

Table 29.—Teachers in Service January, 1902.—Continued.

Grade.	Name.	Residence.	Salary.	Beginning of Service.
9 9 8 7 6 6 5 5 5 4 3 3 2 2 1 1	PRESCOTT. SAMUEL A. JOHNSON, Master, Anna M. Bates, Emma M. Cate, Elizabeth M. Warren, Abbie A. Anderson, Amelia I. Sears, Susie M. Hosmer, Catherine T. Brown, Clara Taylor, Elizabeth L. Marvin, Louise E. Pratt, Martha L. Hale, Minerva L. Mills, Mattie L. Littlefield,	91 Perkins st. 102 Bridge st., Salem. 13 Arlington st. Hotel Hamlet. 10 Pearl st. Melrose Highlands. Hotel Hamlet. 61 Myrtle st. 36 Flint st. 94 Huntington ave., Boston. 49 Myrtle st. 144 Highland ave. 170 Pearl st. 65 Glen st.	\$1,900 725 650 650 650 650 650 650 650 650 650 65	1893 1874 1882 1897 1878 1873 1899 1868 1871 1898 1898 1898 1897 1897
4 3 2 2, 1 1 K'g'n Ass't	SANFORD HANSCOM. LINA F. BATES, Principal, P. M. Pigeon, Florence A. Colgate, Helen G. Frye, Lina E. Dill, Caroline Boardman, Etta M. Cushing,	148 Broadway. 31 Warren ave. 92 Glen st. 43 Sargent ave. 34 Chauncey ave. 79 Boston st. 3 Thurston st.	\$775 650 650 650 650 650 600 425	1897 1897 1901 1898 1897 1897
3 4 2 1	DAVIS. MARY A. HOLT, Principal, Gertrude D. Goodale, Carrie T. Lincoln, P. A. Merritt,	24 Prospect Hill ave. 101 Pearl st. 41-B Franklin st. 96 Oxford st.	\$725 650 650 650	1899 1902 1893 1885
2 1 1 K'g'n Ass't	BENNETT. AGNES S. CAMPBELL, Principal, Miriam Cavanagh, Carrie L. Bliss. Caroline G. Baker, Ida F. Whitney,	67 Columbus ave. 10 Grand View ave. 4 Park ave. 40 Benton road, 68 Gilman st.	\$725 650 650 600 425	1899 1893 1870 1895 1899
9 9 8 7 8 6 7 6 5 4 2 3 1	OREN S. KNAPP. JOHN S. EMBRSON, Master, Abby C. Hunt. Maude M. Mixer, C. B. Parkhurst, Mary E. Stearns, Clara B. Sackett, Mattie J. Connolly, Edith Hersey, Annie E. Robinson, Abbie A. Gurney, Minnie Alice Perry, L. Gertrude Allen, Lucia Alger,	95 Summer st. 14 Aldersey st. 37 Walnut st. 22 Highland ave. 29 Warren ave. 31 Warren ave. 31 Cutter st. 154 Washington ave., Chelsea. 20 Webster ave. 22 Bonner ave. 16 Pleasant ave. 230 Washington st. 22 Bonner ave.	\$1,900 725 650 650 650 650 650 650 650 650 650 65	1894 1873 1902 1889 1899 1891 1901 1899 1876 1888 1893 1884 1889

Table 29.—Teachers in Service January, 1902.—Continued.

-				
Grade.	NAME.	Residence.	Salary.	Beginning of Service.
4, 3 2 1 K'g'n Ass't	GEORGE L. BAXTER. HBLEN TINCKER, Principal, Catherine E. Sweeney, Agatha G. F. Commins, Charlotte Holmes, H. Gertrude Edgerly, Ethel M. Burton,	63 Columbus ave. 633 Broadway. 24 Hanson st. 10 Putnam st. 220 Medford st. 2 Homer sq.	\$775 650 400 650 600 425	1872 1901 1901 1899 1897 1960
5 4 3 2 3, 2	ALBION A. PERRY. Mrs. M. B. McKusick, Florence M. Marshall, Mary G. Blackwell, Grace B. Tibbetts, M. Helen Milner, Erminnie A. French,	64 Willow ave. 103 Jason st., Arlington. 10 Kent st. 9 Miller ave., Cambridge. 84 Highland ave. 876 Main st., Waltham.	\$775 650 500 650 500 650	1897 1899 1901 1890 1899 1898
99 87 766 655 433 21	CHARLES G. POPE. GEORGE M. WADSWORTH, Master, Florence A. Chaney, Harriet M. Clark, Alice I. Norcross, Mildred A. Peck, Blanche G. North, Minnie A. Blood, Lizzie W. Parkhurst, Susan G. Meldrum, Annie G. Sheridan, Lillian C. Albee, Florence E. Locke, Ella M. Robinson,	23 Munroe st. Boston. 10 Vernon st., West Medford. 26 Russell ave., Watertown. 21 Hillside road, Medford. 8 High st. 10 Putnam st. 22 Highland ave. 57 Boston st. 84 Prospect st. 42 Walnut st. 9 Prospect Hill ave. 18 Stickney ave.	\$1,900 725 650 650 650 650 650 650 650 650 650 65	1891 1892 1893 1885 1901 1893 1897 1885 1896 1886 1888 1898
4 4 3 3 2 1	PROSPECT HILL. Annie E. McCarty, Principal. Frances A. Wilder, Kathryn C. Connolly, Isadore E. Taylor, Kate L. Wheeler, Sarah I. Teague, LUTHER V. BELL.	18 Quincy st. 67 Columbus ave. 18 Quincy st. 36 Flint st. 39 Chester st. 454-A Medford st.	\$775 700 650 650 650 650	1880 1874 1897 1883 1897 1895
9 9 8 7 7 6 6 5 5 4 3 2 1	HARLAN P. KNIGHT, Master, Alice L. Davis, Nellie S. Dickey, Ella N. Jones. Grace E. Weeks, Mabel T. Totman, Maribelle Curtis, Emma F. Schuch, Elizabeth M. Collins, Ella H. Bucknam, Florence S. Hartshorn, Martha E. Daniels, E. Lorette Schuch,	37 Stone ave. 24 Walnut st. 20 Spring Hill ter. 60 Vinal ave. 23 Putnam st. 12 Sanborn ave. 23 Putnam st. 25 Tufts st. 75 Franklin st., Melrose. 10 Putnam st. 96 Glen st. 93 Concord ave. 25 Tufts st.	\$1,800 725 650 650 650 650 650 650 650 650 650 65	1897 1895 1889 1902 1899 1892 1895 1874 1901 1897 1900 1891 1882

Table 29.—Teachers in Service January, 1902.—Continued.

Grade.	Name.	Residence.	Salary.	Beginning of Service.
4 3 2 1	CUMMINGS. Lydia J. Page, Principal, Fannie L. Gwynne, Angeline Cann, Elizabeth L. Hersey, EDGERLY.	21 Webster ave. 65 School st. Hotel Woodbridge. 16 Appleton st., Boston.	\$725 650 650 650	1869 1886 1897 1897
9 9 7, 8 7 6 6 5 4 3 2 1	CHARLES E. BRAINARD, Master, Mrs. Lina A. Hooper, Annie L. Dimpsey, Mrs. E. M. Wheelock, Mary E. Richardson, Mabel C. Mansfield, Isabelle M. Gray, Edith M. Snell, Mary E. Coyle, J. Louise Smith, Lillian Nealley, Alice W. Cunningham, Martha M. Power, JACOB T. GLINES.	113 Glen st. 14 Stickney ave. 13 Arlington st. 47 Washington st., Malden. 224 Broadway. 224 Broadway. 23 Webster st 4 Vine st. Melrose. 24 Columbia st., Quincy. 36 Hamilton ave., Lynn. 109 Glen st. 116 Pearl st. 37 Gleason st., West Medford.	\$1,900 725 650 650 650 650 650 650 650 650 650 65	1889 1898 1891 1991 1893 1893 1897 1900 1898 1896 1882 1901
9 9 8 8 7 6 5 5 4 4 3 3 3 2 1, 2 1 K'g'n Ass't	Mary E. Northup, Master, Mary E. Stiles, Mary G. Woodman, Nellie E. Briggs, Mary H. Brownrigg, Ellen A. Boynton, M. Frances Guptill, Margaret A. Orr, Mary A. Goddard, Anna G. Welch, Florence E. Baxter, Flora B. Rice, Carrie Armitage, Belle J. Tifft, Mrs. Etta D. Ellsworth, Emma E. Norcross,	181 Central st. 181 Central st. 32 Summer st., Everett. 47 Sargent avenue. 8 Howe st. 220 School st. 56-A Pinckney st. 148 Warren ave., Boston. 9 Winter Hill Circle. 324 Main st., Stoneham. 49 Hudson st. 201 School st. 57 Madison st. 201 School st. 112 Newbury st., Boston. 60 Marshall st.	\$1,900 725 650 650 650 650 650 650 650 650 650 65	1878 1883 1899 1898 1900 1891 1869 1891 1893 1897 1895 1899 1892 1897 1899
9988777766655444333222111	FRED C. BALDWIN, Master, Mary E. Bunton, Irena S. Nightingale, Fanny E. Jennison, Jessie M. Lockwood, Jane Batson, Mrs. Lucetta Knowles, Elizabeth F. Clement, Mary C. Strange, Lucy K. Hatch, A. Gertrude Deane, Jo Winslow King, Elizabeth S. Brown, May I. Bradish. Mabel G. Delano, Maud L. Kent, Edith T. Crabtree, Annie S. Gage, E. Mina Smith, Grace Shorey, Cora J. Demond,	25 Browning road 13 Lee st. 14 Court st., Arlington. 37 Madison st. 57 Madison st. 220 School st. 35 College ave., Medford. 29 Kidder ave. Stoneham. 10 Ames st. 14 Stickney ave. 170 Central st. 72 College ave. 331 Salem st., Medford. 108 Cross st. 18 Maple ave. 112 Jenny Lind ave. 32 Marshall st. 410 Medford st. 23 Forster st. The Prescott, Everett,	\$1,900 725 700 650 650 650 650 650 650 650 650 650 6	1893 1894 1895 1896 1900 1900 1901 1884 1899 1892 1899 1897 1897 1893 1900 1883 1896 1892 1900

Table 29.—Teachers in Service January, 1902.—Continued.

Grade.	Name.	Residence.	Salary.	Beginning of Service.
	BINGHAM.			
5 Ass't 4 3 2 2 1	HARRY F. HATHAWAY, Principal, Carrie F. Hathaway, Elizabeth J. O'Neil, Harriet F. Ward, Mabel E. Perry, Beatrice Kendall, Rose O'Loughlin, Nellie R. Bray, Mabel E. Mansir,	31 Vinal ave. 31 Vinal ave. 505 Broadway. 57 Madison st. 187 Central st. 15 Parker st., Charlestown. Stoneham. 11 Bradley st. 77 Albion st.	\$1,100 400 650 650 650 650 650 650 650 650	1890 1894 1895 1896 1900 1896 1898 1891
	MORSE.			
9 9 8 7, 8 7 6 5 6 4 3, 2 1	MINA J. WENDELL, Master, TAlice E. Jones, P. S. Downes, L. Elizabeth Hallowell, Lennie W. Bartlett, Anna E. Sawyer, Kara M. Johnson, Lizzie E. Hill, Anna C. Damon, Agnes C. Rice, Ella P. McLeod, Ardelle Abbott, Alice M. Emerson, Grace Russell,	211-A Summer st. 53 Laurel st. 17 Bradford ter., Everett. 88 Oxford st. 99 Summer st. 26 Bow st. 22 Rutland sq., Boston. 53 Laurel st. 20 Spring Hill Terrace. 70 Austin st., Cambridge. 71 Craigie st. 146 Highland ave. 1323 Broadway.	\$1,900 725 650 650 650 650 650 650 650 650 650 65	1882 1897 1872 1901 1893 1872 1897 1891 1900 1888 1897 1891
	MARTIN W. CARR.			
9 9,8 8 7 7 6 6 5 5,5 3,4 4 3 2 1 1 1 Ass't	CHARLES G. HAM, Master, Anne E. Bragdon, Jane W. Leeman, Mary E. Barnes, Jennie E. Sutherland, Harriet A Hills, Marie T. Smith, Marion P. Crawford, Susie L. Luce, Mary A. Haley, Grace T. Merritt, Mabel A. Mann, Florence B. Howland, Elizabeth S. Foster, Ethel F. Morang, Gertrude Friend, Annie B. Russell,	Watertown. 21 Harvard st. 10 Cambria st. 53 Laurel st. 22 Pleasant st., Salem. Hillside pk. 33 Chester st. 53 Laurel st. 8 Walter ter. 117 Summer st. 281 Summer st. 88 Chelsea st., Everett. 39 Boston st. 53 Laurel st. 162 Lowell st. 33 Wallace st. 45 Russell st.	\$1,900 725 650 650 650 650 650 650 650 650 650 65	1898 1898 1900 1901 1898 1874 1896 1867 1900 1898 1897 1895 1893 1901
4 3 2 1	GEORGE W. DURELL. NORA F. BYARD, Principal, Maud M. Brackett, Edith L. Hunnewell, Mary Winslow, BURNS.	248 Summer st. 63 Inman st., Cambridge. 23 Milton st. 38 Spring st.	\$725 650 650 650	1884 1899 1894 1893
5 Ass't 4 4 3 2 3, 2 1	LAURA J. BROOKS, Principal, Margaret D. Jack, Elizabeth A. Davies, Minnie S. Turner, A. L. Brown, Mary E. Lacy, Amy W. Freeman, Alice E. Morang. Florence M. Hamlin,	31 Stevens st., Stoneham. 112 Perkins st. 37 Meacham st. 153 Lowell st. 281 Summer st. 63 Cherry st. 65 Sycamore st. 162 Lowell st. 128 Orchard st.	\$1,000 400 650 650 650 650 650 600 600	1883 1899 1893 1885 1885 1890 1899 1899

Table 29.—Teachers in Service January, 1902.—Continued.

Grade.	Name.	Residence.	Salary.	Beginning of Service.
6 5 4 3 2 1	BENJAMIN G. BROWN. Annie G. Smith, Principal, Grace J. Alexander, Edna M. Proctor, Lucy M. Curtis, Alice A. Beckwith, Ida M. Record,	67 Washington st., Malden. 34 Victoria st. 32 West Cedar st., Boston. 130 Sycamore st. 13 Brastow ave. 11 Forster st.	\$775 650 650 650 650 650	1901 1900 1901 1899 1897 1899
9 9 8,9 8,7 6,7 5 5 4 3 2 2,1	HIGHLAND. GEORGE E. NICHOLS, Master, M. Alice Paul, S. Adelaide Blood, Phæbe A. Mathews, Grace M. Clark, Jennie C. Frazier, Sarah E. Pray, Mary H. Joyce, Cora B. Wheeler, Alice T. McNamara, Jane M. Taaffe, Katherine E. Hourahan, Clara G. Hegan,	182 Highland ave. 122 Orchard st. Washington st., Ayer. 34 Bow st. 10 Vernon st., West Medford. 56 River st., Boston. 28 Quincy st. 76 Boston st. 39 Chester st. 35 St. James ave., Boston. 159 Morrison ave. 12 Grove st. 100 School st.	\$1,900 725 700 650 650 650 650 650 650 650 650 650 6	1877 1879 1882 1897 1893 1887 1878 1891 1896 1895 1888 1892 1897
9 9 8 7, 8 7, 6 6 6 5 3, 4 3 2 1 1 Ass't	WM. H. HODGKINS. ARTHUR L. DOE, Master, Alice M. Winslow, Edith W. Emerson, Alice S. Hall, Eva E. Whiting, Mrs. Gertrude W. Leighton, Berthe M. Mason, Flora A. Burgess, Daisy G. Adams, Katherine M. Fox, Ida May Pettee, Grace H. Morse, Mrs. Marion I. Noyes, Almena J. Mansir, Maude C. Valentine,	86 Chandler st. 33 Wallace st. Arlington. Arlington. 212 Huntington ave., Boston. 20 Chapel st. 39 Burnside ave. Arlington Heights. 84 Irving st. Stoneham. 21 Cottage ave. 58 Bow st. 15 Park ave. 77 Albion st. 1098 Broadway.	\$1,900 725 650 650 650 650 650 650 650 650 650 65	1896 1896 1896 1896 1901 1896 1894 1894 1901 1896 1899 1900 1896 1899
4 3 2 1	LINCOLN. May E. Small, Principal, Charlotte F. Mott, Eliza H. Lunt, Martha A. Jencks, EVENING SCHOOL PRINCIPALS. ALBERT L. WARE, Drawing. CHARLES R. MURRAY, Prescott. John S. EMERSON, Bell. FRED C. BALDWIN, FOrster. CHARLES E. BRAINARD, Highland.	122 Orchard st. 154 Charles st., Boston. 50 Curtis st. 2 Kenwood st.	\$725 650 650 650	1900 1886 1890 1899

Table 29.—Teachers in Service January, 1902.—Concluded.

Grade.	Name.	NAME. Residence.					
	SPECIAL TEACHERS.						
6-1	S. Henry Hadley, Charlotte D. Lawton,	46 Pearl st. 60 Bow st.	\$1,700 900	1869 1898			
9-1	Mary L. Patrick,	Newtonville.	\$1,000	1895			
8-5 8-5 8-5	Mary L. Boyd, Emma J. Ellis, Bertha M. Paul,	60 Bartlett st. 54 Marshall st. 23 Monmouth st.	\$650 600 600	1888 1900 1900			
9-1	Wm. A. Whitehouse,	94 Summer st.	\$1,200	1895			

TABLE 30.—OFFICERS IN SERVICE DECEMBER, 1901.

NAME.	Residence.	Salary.	Beginning of Service.	
SUPERINTENDENT.				
Gordon A. Southworth,	40 Greenville st.	\$3,000	1893	
CLERK.				
Cora S. Fitch,	273 Medford st.	\$650	1901	
TRUANT OFFICERS.				
Lemuel H. Snow, Jairus Mann,	81 Benton road. 80 Porter st.	\$1,100 50	1886 1872	

TABLE 31. - SCHOOL JANITORS, DECEMBER, 1901.

School.	Name.	Residence.	Salary.
Latin High, S. English High, S. Prescott, S, 12. Edgerly, S, 12. Davis. F, 4. Bell, S, 12. Cummings, F, 4 Knapp, S, 13 Pope, F, 12 Prosp. Hill, F, 6 Bennett, St., 4. Forster, S, 13. Forster, S, 13. Glines, S, 14. Bingham, S, 8. Morse, F, 12. Durell, S, 4. Burns, S, 4. Highland, F, 12. Lincoln, S, 4. Hodgkins, S, 12.	Joseph Young. Lewis G. Keene. George A. McGunnigle. David G. Marston. N. L. Pennock. F. S. Dickinson. William T. Higgins. John C. Sampson. Hiram A. Turner. Edward T. Peterson. Alfred Shiner. James L. Whitaker. John H. Kelley. Roy C. Burckes. John F. O'Brien. Charles Gale. Albert C. Taylor. Charles Gallaway. E. P. Cook. W. B. Higgins. Andrew B. Colesworthy.	51 Oxford St. 54 Prescott St. 50 Pearl St. 20 Everett Ave. 54 Putnam St. 1 Putnam St. 82 School St. 11 Fountain Ave. 16 Gibbens St. 18 Stone Ave. 55 Poplar St. 146 R Sycamore St. 11 Richdale Ave. 249 School St. 5 Richardson St. 10 Brastow Ave. 46 Oxford St. 160 Hudson St. 241 Elm St. 82 School St. 33 Simpson Ave.	\$1,000 00 1,200 00 830 00 830 00 830 00 830 00 830 00 830 00 830 00 820 00 820 00 820 00 820 00 820 00 820 00 820 00 820 00 820 00 820 00 830 00 830 00 830 00 830 00 830 00 830 00 830 00
Hanscom. S, 6.	Albert Gilman.	66 Glen St.	600 00
Carr, S, 15.	James W. Rich. Henry C. Bradford.	206 Highland Ave.	1,080 00
Perry, S, 6 . Brown, S, 6 .	John F. Richardson.	23 Appleton St.	600 00
Baxter, S, 6	William Winterbottom.	2 Bolton St.	600 00

Buildings heated by steam are marked "S," by furnace "F," 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, 1901.

Trustees.

CHARLES A. WEST.
JOHN B. VIALL.
J. FRANK WELLINGTON.
CHARLES S. SOULE.

HOWARD D. MOORE,
IRVING G. HALL.
FREDERICK W. PARKER.
EDWARD C. BOOTH, M. D.
GEORGE W. PERKINS.

Officers.

Committees.

Building and Grounds — Viall, Perkins, and Hall. Administration — Wellington, Soule, and Parker. Books and Catalogues — West, Viall, Booth, Wellington, Moore, and Hall. Finance — Perkins, Hall, and Parker.

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 S. WOODMAN.
FLORENCE D. HURTER.
BESSIE L. DUDDY.

NELLIE M. WHIPPLE.
CHARLES F. SHEPARD.
GARDNER STACY.
DAVID COUNTWAY.
JOSEPH STORY.

Janitor.

CHARLES A. SOUTHWICK.

PUBLIC LIBRARY ACCOUNT.

Receipts and Expenditures for 1901.

		•			_		ILCS I			•		
Balance from	1000				CREI)IT.					69	02
Dag tor	1800	•	•	• •	. •	•	•	•	•	•	\$3	
Dog tax . Annual approp			•	•	•	•	•		•	•	2,952	
Annual approp	oriani	OH	•	•	•	•				•	14,000	
Fines, etc. J. O. Hayden	(1		•	•		•					421	
J. O. Hayden	(dog	g tax)		•	•	٠	•	•	•	•	10	
Dodd, Mead,	& Co) .	•	•		•	•	•	•	•	3	40
Tr. 4-1											A15.001	0.7
Total	•	•	•	•	•	•	•	•	•	•	\$17,391	01
					DEB	IT.						
Books and pe	eriodi	cals								•	\$5,650	
Binding .		•									1,454	16
Cards .											141	65
Printing .											407	90
Stationery											61	05
Salaries .											8,183	88.
Agencies											191	66
Repairs .											28	21
Express .											357	
Postage .											39	
Telephone												45
Labor .											75	
Pictures .		·			·	•				•	35	
Disbursements	•							•	•	•	90	
Ice	3		•	•	•	•	•	•	•	•		10
more all									٠		15	00
Supplies .	•	•	•						•		24	
Dramium on	West	End	Rai	1,,,,,	· ho	nde	•	•	•	•	287	
Premium on Balance carrie	vv est	1000	Ra	II Wa	у во	nus	•	•	•	•	221	
Dalance Carrie	ed to	1902	•	•	•	•	•	•	•	•	441	09
Total											\$17 391	01
Total			•								\$17,391	01
Total		Isa	nac			Poet				•	\$17,391	01
	•	Isa	nac			Poet				•		==
Balance from		Isa	nac		nan	Poet				•	\$39	89
				Pitn	nan CREI	Poet					\$39 54	89 86
Balance from	901			Pitn	nan CREI	Poet				•	\$39 54	89
Balance from Interest for 1	901			Pitn	nan CREI	Poet				•	\$39 54 20	89 86 00
Balance from Interest for 1	901			Pitn	nan CREI	Poet					\$39 54	89 86 00
Balance from Interest for 1 Coupon .	901			Pitn	nan CREI : :	Poet					\$39 54 20	89 86 00
Balance from Interest for 1: Coupon . Total	901			Pitn	CREI	Poet					\$39 54 20 \$114	89 86 00 75
Balance from Interest for 1: Coupon . Total Books of poe	901 try p	urcha	:	Pitn	crei	Poet					\$39 54 20	89 86 00 75
Balance from Interest for 1st Coupon . Total Books of poet Accrued Interest.	901 try prest o	urcha	sed	Pitn	CREI	Poet					\$39 54 20 \$114 \$28	89 86 00 75 53 58
Balance from Interest for 1: Coupon . Total Books of poe	901 try prest o	urcha	:	Pitn	crei	Poet					\$39 54 20 \$114 \$28	89 86 00 75
Balance from Interest for 15 Coupon . Total Books of poet Accrued Interest Balance carries	901 try prest o	urcha	sed	Pitn	CREI	Poet					\$39 54 20 \$114 \$28 85	89 86 00 75 53 58 64
Balance from Interest for 1st Coupon . Total Books of poet Accrued Interest.	901 try prest o	urcha	sed	Pitn	CREI	Poet					\$39 54 20 \$114 \$28	89 86 00 75 53 58 64
Balance from Interest for 15 Coupon . Total Books of poet Accrued Interest Balance carries	901 try prest o	urcha on Bo 1902	sed nds	Pitn	DEF	Poet	:	: : : :			\$39 54 20 \$114 \$28 85	89 86 00 75 53 58 64
Balance from Interest for 15 Coupon . Total Books of poet Accrued Interest Balance carries	901 try prest o	urcha on Bo 1902	sed nds	Pitn	nan CREI	Poet OIT. SIT. An Ar	:	: : : :			\$39 54 20 \$114 \$28 85	89 86 00 75 53 58 64
Balance from Interest for 1st Coupon . Total Books of poct Accrued Interest Carried Total	901 try prest o	urcha on Bo 1902	sed sed s	Pitn in 1 pur c Pi	DEF 901 chase	Poet OIT. SIT. An Ar	:	: : : :			\$39 54 20 \$114 \$28 85 \$114	89 86 00 75 53 58 64 75
Balance from Interest for 1st Coupon . Total Books of poet Accrued Interest alance carried Total Interest from	901 try prest o	urcha on Bo 1902	sed of Foundation	Pitn in 1 pur c Pi	DEE 901 chase	Poet OIT. SIT. An Ar	:	: : : :			\$39 54 20 \$114 \$28 85 \$114	89 86 00 75 53 58 64 75
Balance from Interest for 1st Coupon . Total Books of poct Accrued Interest Carried Total	901 try prest o	urcha on Bo 1902	sed of Foundation	Pitn in 1 pur c Pi	DEF 901 chase	Poet OIT. SIT. An Ar	:	: : : :			\$39 54 20 \$114 \$28 85 \$114	89 86 00 75 53 58 64 75
Balance from Interest for 1st Coupon . Total Books of poet Accrued Interest from Coupon .	901 try prest o	urcha on Bo 1902	sed of Foundation	Pitn in 1 pur c Pi	DEE 901 chase	Poet OIT. SIT. An Ar	:	: : : :			\$39 54 20 \$114 \$28 85 \$114 \$55 80	89 86 00 75 53 58 64 75
Balance from Interest for 1st Coupon . Total Books of poet Accrued Interest alance carried Total Interest from	901 try prest o	urcha on Bo 1902	sed of Foundation	Pitn in 1 pur c Pi	DEE 901 chase	Poet OIT. SIT. An Ar	:	: : : :			\$39 54 20 \$114 \$28 85 \$114	89 86 00 75 53 58 64 75
Balance from Interest for 1st Coupon . Total Books of poet Accrued Interest from Coupon . Total Interest from Coupon . Total	try prest oed to	urcha on Boo 1902	sed nds	Pitn in 1 pur c Pi	DEF 901 chase cressary .	Poet DIT sit ed n Ar	:	: : : :			\$39 54 20 \$114 \$28 85 \$114 \$55 80 \$135	89 86 00 75 53 58 64 75 56
Balance from Interest for 1st Coupon . Total Books of poet Accrued Interest from Coupon . Total Interest from Coupon . Total Art Works p	on try prest of the control of the c	urcha. 1902 ber to	sed nds	in 1 pur	DEF 901 chase cress ary	Poet DIT	:	: : : :			\$39 54 20 \$114 \$28 85 \$114 \$55 80 \$135	89 86 00 75 53 58 64 75 56 45
Balance from Interest for 1st Coupon . Total Books of poet Accrued Interest from Coupon . Total Interest from Coupon . Total Art Works p Accrued Interest from Coupon .	octo	urcha. 1902 ber to	ssed nds	in 1 pur	DEF 901 chase crease ary	Poet DIT	:	: : : :			\$39 54 20 \$114 \$28 85 \$114 \$55 80 \$135 \$114 2	89 86 00 75 53 58 64 75 56 45 20
Balance from Interest for 1st Coupon . Total Books of poet Accrued Interest from Coupon . Total Interest from Coupon . Total Art Works p	octo	urcha. 1902 ber to	ssed nds	in 1 pur	DEF 901 chase crease ary	Poet DIT	:	: : : :			\$39 54 20 \$114 \$28 85 \$114 \$55 80 \$135 \$114 2	89 86 00 75 53 58 64 75 56 45
Balance from Interest for 1st Coupon . Total Books of poet Accrued Interest from Coupon . Total Interest from Coupon . Total Art Works p Accrued Interest Balance carries	octo	urcha. 1902 ber to	ssed nds	in 1 pur	DEF 901 chase crease ary	Poet DIT	:	: : : :			\$39 54 20 \$114 \$28 85 \$114 \$55 80 \$135 \$114 2 18	89 86 00 75 53 58 64 75 56 00 56 45 20 91
Balance from Interest for 1st Coupon . Total Books of poet Accrued Interest from Coupon . Total Interest from Coupon . Total Art Works p Accrued Interest from Coupon .	octo	urcha. 1902 ber to	ssed nds	in 1 pur	DEF 901 chase crease ary	Poet DIT	:	: : : :			\$39 54 20 \$114 \$28 85 \$114 \$55 80 \$135 \$114 2	89 86 00 75 53 58 64 75 56 00 56 45 20 91

REPORT OF THE TRUSTEES.

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

Gentlemen,—The twenty-ninth annual report of the Trustees

of the Public Library is herewith respectfully submitted.

It is with mingled feelings of pleasure and satisfaction that your Board are able to report that the Library has continued during the past year to serve our citizens with satisfaction and profit, and has afforded to them increasing privileges and opportunities which have not hitherto been available.

The ever present alertness and watchfulness on the part of our very efficient Librarian have resulted in the opening of new avenues by which our readers and patrons have been able to take advantage of the opportunities furnished by the facilities at hand, and to which attention had not previously been drawn. After three years of diligent and painstaking labor on the part of the cataloguer and her assistants, the card catalogue has been completed. In addition, there has been placed in the agency at West Somerville a nearly complete card catalogue of books added to the library since 1895. This has proved to be a great convenience to the residents of this section, living as they do at a distance.

During the past year, owing to a liberal appropriation by the city government, the new stack room, giving an added capacity for over 40,000 books, has been fully furnished and will certainly prove a valuable addition to the facilities for accommodating the public. The completion of this new room, which has been so long anticipated, has necessitated the moving and rearranging of the entire collection of books with the end in view of giving the public free access to the entire circulating contents of the Library. The details for this radical departure in the management have now been completed, and at the beginning of the new year our citizens can examine the books at hand with the same freedom that they can in their own homes. It is anticipated that this privilege will be appreciated, and a largely increased circulation will become apparent at once.

The opportunities afforded in the Children's Room for free access to all juvenile works has been a source of great pleasure to them, and has materially tended to increase the circulation of books for home use in this department. An increased interest is also shown in the books and periodicals which are read and examined by the children at the tables. It is gratifying to note the continued prosperity of this department, particularly on Sunday

afternoons, when the capacity of the room is often taxed to its utmost. The reading room adjoining, where may be found the leading dailies and weeklies, continues to be largely attended.

The Music Department has grown greatly in popularity, and no other class of books in the Library, with the exception of works of fiction, is in greater demand. A valuable collection of books pertaining to music has recently been added, for the selection of which the thanks of the Board are due to Mr. S. Henry Hadley.

A close co-operation with the schools has been maintained, with the most gratifying results to teachers and scholars alike. The drawings done in our public schools have several times been on view, and these have instructed and entertained the public more than any other art exhibits of the year, and perhaps aroused more interest than all of the other exhibits combined.

An increasing demand for books at the agency at West Somerville has been a pleasing evidence that the Library and its opportunities are becoming more and more appreciated by our citizens. With the limited means at our command it has been a problem to formulate a plan to better serve the residents of this section. Some complaints have been received that requests for books were not filled; this is due to an insufficient supply of current fiction. Three hundred books have been placed at this agency, which has in a great measure accommodated the people and has been appreciated.

A request has been made that a branch library and reading room shall be established in the vicinity of Davis square. This request has been referred to a special committee, and the subject is now being considered by them. Your Board fully recognize the desirability of extending such privileges, and it is perhaps needless to say that the subject will receive their careful and

thoughtful consideration.

The Department of Art and the collection of poetry have received material additions during the past year from purchases made with the income received from the Isaac Pitman funds.

In consequence of the great demand for the popular books of the day, and the inability to supply a sufficient number of copies to answer all requests, it was decided to limit the use of the books in greatest demand to four days, in place of the long-established regulation of seven days. The experiment has proved successful and in a measure has been a relief. No one not connected with a library can understand how difficult it is for a card holder to obtain a popular book. As many as twenty copies of an individual work have been purchased to satisfy this demand. It is one of the most perplexing problems confronting the Librarian and his assistants.

A system of house-to-house delivery has been inaugurated, and at the present time fifteen boys are engaged in the work.

Most of the routes covered may be considered successful, as the plan has been much favored by people who have not before patronized the Library in consequence of their inability to reach the Library, or their lack of knowledge of what was theirs for the asking. The plan has been so recently adopted, statistics are not yet available. All expenses connected with this method of distribution are met entirely by the card holders, and so far to their complete satisfaction.

With the numerous changes adopted and made necessary, it may be fairly considered that the Library has passed through a period of transition, and the changes and improvements have so

far resulted satisfactorily.

The Trustees feel warranted in looking forward to the new year with every prospect of growth and prosperity.

CHARLES A. WEST,
President.

December 31, 1901.

REPORT OF THE LIBRARIAN.

To the Trustees of the Somerville Public Library:—

I herewith submit the Librarian's twenty-ninth annual report. Below is a statement in detail relative to the various departments:—

The Cataloguing Department.

The Cataloguing Department, under the supervision of Miss F. Mabel Norcross, is confronted with a steadily increasing amount of regular work each year. Last May, after the expiration of three years' work, our new card catalogue was completed. This statement, of course, is meant only in a relative sense, for a card catalogue is never finished. Much work will still continue to be put into this catalogue from time to time. A library is never thoroughly catalogued until all the contents of all its books are practically available to the public through its card catalogue. Many of the contents of valuable books remain unknown, even when the books are catalogued under subject, author, and title. The work of cataloguing the contents of important books is one that might occupy much of the attention of our Cataloguing Department if there were sufficient time for such work. This is a need that has been felt in many libraries for a long time. It seems that there will soon be a possible opportunity for work of this nature to be done. The National Library of Congress is perfecting a project of co-operative cataloguing which, when carried into actual operation, will enable the cataloguer to devote much time that is otherwise employed to this necessary work. The cards of all current copyrighted books, and in fact most other works, are printed by the Library of Congress, and will be supplied to libraries at a price only slightly in excess of cost. When the cataloguer is thus relieved of the drudgery of this clerical work, much more time and attention can be bestowed upon a systematic building-up of a comprehensive and exhaustive catalogue.

During the past year our old card catalogue has been transferred to West Somerville Agency, with Mr. James Wilson at Davis square. Since its removal to this Agency, this catalogue has been brought up to date, and it is now an author, title, and subject catalogue of all the books in the Library published since 1895, with the exception of juvenile books from 1895 to 1899. This catalogue is greatly appreciated by the West Somerville community, and I wish that similar catalogues might be gradually prepared for our other agencies. This catalogue as at present housed is in an awkward and inconvenient case of heavy

drawers, and badly overcrowded. A moderate-priced cabinet with more portable trays should be purchased at an early date.

A compact, compendious list of selected books for the people who find it inconvenient to visit the Library is one of our pressing needs. A list of this sort is something that will be much needed by our delivery boys, if this delivery system attains to the dimensions which we hope for it. Such a list should contain the best fiction and the books most in demand in the other various classes of the Library. I should advocate bringing this list out as cheaply as possible, arranged by classes for convenience of reference. It should be given away only to actual users of the library, or sold for a nominal sum.

In addition to our general card catalogue, a complete catalogue of the books in the Reference Department has been finished, and is housed in a small cabinet in the Reference Room. The card catalogue for the Children's Room, upon which we have been at work for many months, is now very near completion. The Library now, as far as its card catalogue system is con-

cerned, is very well equipped.

The list for the monthly bulletins each month is prepared by the cataloguer. Since September these bulletins have been printed by the Library Bulletin Company, of Boston, under an arrangement by which they are sent by mail directly to the homes of the people. Five hundred in addition are also printed for free distribution in the Library. This system, as far as can be learned, is very gratifying to the patrons of the Library. Much more work has been put into our bulletins of late than formerly. A compact review of many of the best books, either original or clipped from the standard critical publications, is now a feature of our bulletins.

In addition to the regular work of the Cataloguing Department, seven or eight hundred documents and pamphlets which have been in the Library a long time uncatalogued have at length been catalogued during the past few months. Miscellaneous gifts of books, reaching several hundred in number, from Charles W. Sawyer and others have also been catalogued.

Below are the statistics of books withdrawn from the Library, books added to the Library, and books bound by the

Library during the year:—

Books Withdrawn.

"	66	lost b	y genera school	al reade s nfectiou	rs •			880 21 9 24	
Total r	umber oer of b	withd:	rawn	 vn to Ja	nuary	·, 1901	- 1.	934	4,600 934
Total								-	5,534

Books Added.

Accession nur	nber	Jan	nuary	y 1,	1901							52,672
"	4	Jan	uary	<i>y</i> 1,	1902							57,691
Total number	of b	ook	sad	ded	during	1901						5,019
Books new to	the	libr	ary									3,757
Duplicates												1,262
Total number	With	ndra	ıwn									5,534
Total number	ot b	ook	is in	the	library	•						52,157
	Binding.											
Volumes rebo	und											3,122
Periodicals bo												213
Paper-covered				nd.	•	•	•	•	•	•	•	35
Pamphlete	1,000	11.5	Dou	iiu	•	•	•	•	•	•	•	
Pamphlets	•	•	•		•		•	•	•	•	•	46
T-4 1												0.110
Total												3,416

Reference and Art Department.

The Reference, Art, and Americana Department, under the supervision of Miss Mabel E. Bunker, is a department of growing importance, increasingly used by the public. It is gratifying to note the use that is made of the Reference Room by the pupils of the schools. The increasing use of Poole's Index and the Cumulative Index makes greater demands upon our bound magazines. As these magazines are also largely called for in the general circulation of the Library, it is frequently impossible to look up references in Poole's because of the absence of magazines from the shelves. For this reason I would recommend the gradual purchase of duplicate sets of our most frequently-used magazines and reviews. Poole's Index is a very valuable work of reference, but its usefulness is largely nullified when the magazines and reviews to which it refers cannot be made available. A considerable amount of money has been spent upon the Reference Room for the past few years, and in order to keep it up to its highest standard of efficiency, considerable sums must be spent yearly. Encyclopedias, dictionaries, atlases, and, in fact, nearly all books of reference are brought out in new editions every few years; and these new editions must be purchased as frequently as they are brought out, or the Reference Room will become antiquated, and fall into disrepute with progressive scholars.

The Art Department is one of the growing departments of the Library. Many valuable art books have been purchased from the proceeds of the Isaac Pitman fund, and new additions have been made to our collections of photographs of the old masters. Some kind of an exhibition has been kept on view in the Exhibition Room at all times. In this connection the exhibit of the art work done in the schools must not be omitted. This work was secured and mounted by Miss Mary L. Patrick, supervisor of drawing in the schools, through the courtesy of the superintendent, Mr. Southworth. This work was very largely

examined by the public, and was a revelation to many people. The public at large, before this exhibition, were utterly unaware of the excellent art work that is regularly done by the pupils of our public schools. There has also been during the year an exhibition of the manual work done by the pupils of the Somerville Vacation school, under the supervision of its principal, Harry F. Hathaway. Much of this work done by young boys and girls showed skill of a high degree, deftness, and artistic taste. These school exhibitions will be continued, not only for the incentive they give the pupils of our schools, but for the gratification they afford the public.

Another exhibition of Somerville artists should be arranged

at an early date.

Below is given the statistics of attendance in the Reference Room during the different months of the year:—

Date.						Number of Visitors.
January						1,650
February		•				1,490
March						1,432
April						1,515
May .						998
June						1,885
July .						927
August						611
September						1,064
October						1,623
November						2,050
December						1,517
Total						16,762

The School Department.

The School Department, under the supervision of Miss Edith B. Hayes, continues to do an excellent and far-reaching work. The teachers who use our school libraries are greatly pleased with the service, the children appreciate the privileges thus afforded them, and in many instances the parents are as enthusiastic readers of these school library books as the children themselves. I regard these books as one of the potent educational influences of the city. Miss Hayes has visited all the schools twice during the year, and some of them three times. In this way she has been enabled to learn intimately the wants of the schools; and the Library has in every instance attempted to supply these wants as far as the means at its disposal would permit. In fact, practically all the books asked for by the schools have been supplied. Many books of this nature have been bought from time to time during the past three years, and the Library is at present pretty thoroughly equipped for this work. I would recommend that during the coming year the night schools also

should be supplied with school libraries, the same as the day schools. In fact, the pupils of any of our schools, whether night schools or day schools, whether public, private, or parochial, are all children of our city, and they should all share equally in the privileges afforded by the Public Library. If, as I believe, the distribution of its books is the most important function of the Public Library, I see no valid reason why its books should not be circulated through the Sunday school, if any Sunday school should chance to be desirous of such service.

The number of volumes circulated through the schools in 1901 was 5,171. The number of special libraries sent to the schools was 100. The circulation of these libraries was 52,200. One hundred and thirty-three books were sent to the Vacation school for six weeks.

The Children's Department.

The Children's Department, under the supervision of Miss Anna L. Stone, is doing an excellent work. Below is given in detail the circulation for 1901 by months:—

Y											7 700
January		•			•						7,790
February											8,242
March											9,171
April											10,750
May											8,304
June											5,884
July											4,847
August											5,397
September											4,772
October		·									6,743
November	•	•								•	8,460
		•							•	•	
December		•	•	•	•	•	•	•	•	•	6,826
T-4-1											07 106
Total		•	•	•	•	•		•	•		87,186

The Children's Room is one of the salutary educational influences of the city. It is a matter of regret, that, owing to the distance to be traveled, it is not available to our entire juvenile population. It is probable that the children in one-half the area of Somerville seldom visit the Children's Room, and there are doubtless hundreds, especially of the younger children, who have never visited it at all. This deprivation is not so serious as it would be if the children were not privileged to secure books through the schools. Still these distant children are not given the freedom of selection that the other children of the city are given, with the consequent education that comes from direct contact with books. Possibly this injustice, which has been considered unavoidable, might be remedied by making two or three of the schoolhouses in the more remote districts of the city distributing centres for juvenile books. Several hundred books should be sent to these schoolhouses, so that the children might be granted a somewhat wide range of selection. If this should

be done, it would relieve to a certain extent the pressure upon our own shelves in the Children's Room, which are already overcrowded.

The Children's Room is a most salutary influence as long as children remain children. But to retain children in the Children's Room after they have come to desire mature works is repressing nature and stunting and distorting intellect. We should try to advance our children from the children's department to the adult department as we try to advance them from the grammar school to the high school. They should not only be allowed to use the mature books of the Library, but should be encouraged in every legitimate way to do so.

I am glad to say that the Children's Room is now in possession of a beautiful clock, a Christmas present from the members

of the staff.

Gifts.

The Library has received the following donations of books, pamphlets, and periodicals during the past year:—

List of Donations.

							Vols.	Pamph.	Period.
Adams Nervine Asylu	m							1	
Agricultural College								$\frac{1}{2}$	
Agricultural College American Humane As	sociation		•	•		·		$\frac{2}{3}$	
Amesbury, Mass. Amiraux, Frank Armstrong, Mrs. H. B Balch, T. W. Bartlett, Sarah S. Barton, Lieutenant W	Sociation	•	•	•	•			1	
Amirany Frank	• •	•	•	•	•	•		1	
Armstrong Mrs H R	• •	•	•		•	•	01	1	
Raich T W	• • •	•	•	•	•	•	61		
Doublett Corch C	• •	•	•	•	•	•	1		
Dartiett, Saran S	:11:	•	•	•	•	•		1	
Barton, Lieutenant W	iiiam .	•	•	•	•	•	2		
Borough of Manhattan Boston Transit Comm	1	•	•	•	•	•		1	
Boston Transit Comm	ission .	•	•	•	•	•	1		,
Bostonian Society .		•	•	•		•		1	
Bowdoin College .			•					1	
Brine, Eugene						•	2		
Bostonian Society . Bowdoin College . Brine, Eugene . Broadway Congregation	onal Chu	rch .							68
Brooks, F. A								1	
Brooks, F. A Brooks, Geraldine .							1	1	
Brown, David H								1	
Brown University							1	1	
Brown University . Clarke, Col. Albert .	•	•	•	·	·			4	
Clarke, Col. Albert . Coats, Rev. Orville . Co-operative Publishin Dana, Richard H Daniels, J. F Dolbear, Prof. A. E. Dow, George F Dunham, Mrs. H. M. Ellis, George H Fales, Albert Field, Marshall .		•	•	•	•	•	1	1	
Coats, Nev. Orvine .	· ~ C ~	•	•	•	•	•	1		
Co-operative Publishin	ng Co	•	•	•	•	•	1		
Dana, Richard H.		•		•	•	•		1	
Daniels, J. F.			•	•	•	•			1
Dolbear, Prof. A. E.					•		14	47	
Dow, George F								1	
Dunham, Mrs. H. M.									543
Ellis, George H							1		
Fales, Albert							1		
Field, Marshall							$\frac{1}{2}$		
Fleischner, Otto								1	
Free Public Library C	ommissic	n .						1	
Colpin Borbara	011111113310	,,,	·		·	·	4	1	
Galpin, Barbara . Glines, Hon. Edward Goldsmith, B. W		•	•	•	•	•	1		
Glines, Hon. Edward		•	•	•	•	•	2		
Goldsmith, B. W Hanscom, Dr. Sanford		•	•	•	•	•	16		
Hanscom, Dr. Santoro	1	•	•	•	•	•	1		
Harmer, J. T		•	•	•	•	•	20		20
Harvard University.			•	•		•		1	
Harmer, J. T Harvard University . Haskell, A. L Hayden, J O				•		•	1		
Hayden, J O							ī		
Hill, F. H							-	1	152
Hopkins, James A							1	1	102
Imperial Society							1		
Indian Rights Associa	ition .						1	3	
Insurance Library Ass	sociation.	•							
I have Charles	Sociation	•	•	•				1 1 =	
Johnson, Charles A.	• •		•	•	•	•		15	
Knopf, Dr. S. A.		•	•	•		•	1	003	
Lincoln, Heroeg A.		•		•	•	•	22	232	
Lowe, Mrs. Martha P.	• •	•	•	•	•	•	3	6	
Luce, Hon. Robert .			•		•	•			318
Lynn Historical Socie	ty						4		
McCall, Hon. S. W.							1		
Macy, J. C.		•	•	•	•	•	1	1	
Carried forwa	a well						166	326	1,102

LIST OF DONATIONS. - Continued.

							Vols.	Pam .	Period
Brought forward	d			•			166	326	1,102
								2	'
Macy, J. E							36	_	
							14	3	
Massachusetts Abstinen	ce So	ciety					2	2	
Metropolitan Water Roa	.rd						1		
Michigan Board of Trad	e							1	
Mixter, C. S Moody, James H Moore, Mrs. C. E Moore, Prof. John .							6		
Moody, James H							1		
Moore, Mrs. C. E							15		
Moore, Prof. John .	•							1	
Murray, I. H	•		•		•		1		
Newcomb, Mrs. Emma New Hampshire Library		•	•	•	•		2		
New Hampshire Library	Com	missio	n.	•	•	•		1	
Norcross, F. Mabel . O'Malley, T. F.	•		•			•	4		
O'Malley, T. F.	•					•		1	
Peabody Institute Perkins-street Baptist Cl						•		2	
Perkins-street Baptist Cl	urch							5	39
Pierce, F. C Pillsbury, Albert E	•						2		
Pillsbury, Albert E	•		•			•	1		
Pratt Institute			•	•	•			1	
Public Libraries:—									
Alleghany, Pa								1	
Beverly								1	
Boston					·	·		1	
Boston Brookline						·		5	
Burlington, Vt						•		i	
						•		1	
Cambridge . Chelsea (Fitz Public	Libr	ary)				·		1	
Cincinnati, Ohio							1	_	
Cleveland, O nio								1	
Concord, N. H								1	
Erie, Pa								1	
Everett								$\frac{1}{2}$	
Everett Fitchburg								1	
Groton								1	
Hartford, Conn.								1	
Haverhill								1	
Lancaster	•							1	
Malden								1	}
Manchester, N. H.								$\overline{2}$	
Lynn								$\bar{1}$	
Medford						·		1	
Milwaukee, Wis.								$\frac{1}{2}$	
Minneapolis, Minn.								ī	
New Bedford .								Î	
New Haven, Conn.							1	i	
Newton								î	
New York City								$\frac{1}{2}$	
Newark, N. J							1	3	
Niagara Falls .							1	1	
North Adams .							1	1	
Northampton .							1	1	
Carried forward							254	385	1,141

LIST OF DONATIONS. - Concluded.

								Vols.	Pamph.	Period
Brought forwa	rd							254	385	1,141
Public Libraries (Conti										_,
Northampton (For									4	
Paterson N I	DES I	ilula	1 y)	•	•	•	•		1	
Paterson, N. J. Pawtucket, R. I.	•	•	•	•	•	•	•		1	
Ditteburg Po	•	•	•	٠	•	•	•		1	
Pittsburg, Pa Philadelphia, Pa. Portland, Me	•	•	•	٠		•	•		1	
Partland Ma	•	•	•	•	•	•	•		1	
Partland Ora	•	•	•	•	•	•	•		1	
Portland, Ore	•	•	•	•		•	•		1	
Poughkeepsie . Providence Athena	•	•	٠	•	•	•	•		1	
Providence Athena	eum	•	•	•	•	•	•		1	
Providence, R. I. San Francisco, Cal. Scranton Springfield . Syracuse, N. Y. Waltham Washington Heigh	•	•	٠	•	•	•	•		1	
San Francisco, Cai	•	•	•	•	•	•	•		1	
Scranton	•	•	•	•	•	•	•		1	
Springfield .	•	•	•		•	•			1	
Syracuse, N. Y.	•	•		•	•	•		1		
Waltham	•	•		•					1	
Washington Heigh	ts					•			1	
Watertown . Winthrop									1	
Winthrop									2	
Woburn									1	
Reid, Whitelaw .									1	
Rideout, Dr. H. L.								26		
Woburn								7		
St I Amis Mercantile I ii	araru	4 660	へいいけ	1011					1	
Sawyer, Charles W. Shepard, Charles I.								136	46	329
Shepard, Charles I.			:						1	55
Simpkin, Marshall, Har	nilton	. Ke	nt C	o.				2		
Smithsonian Institution		,			·			$\overline{6}$	2	
Somerville Journal.				Ť			•		_	52
Sprague H. B.	i.	•	•	•	•	•	•		2	02
Sprague, H. B. State Normal School	•	•	•	•	•	•	•	1	4	
Stoorns F P	•	•	•		•	•	•	1	1	
Swan C H Ir	•	•	•	•	•	•	•	1	1	
Thorno E I Ellory	•	•	•	٠	•	•	•	1		
Pufts College	•	•	•	•	•	•	•	1	9	
Tuits Conege	•	•	•	•	•	•	•	40	3	
Juited States		•	•	•	•	•	•	42	83	
Stearns, F. P	ınıa	•	•	•	•	•	•		1	
waish, j. j., m. D.	•	•	•	•	•	•	•		1	
Wellington, Amy .	•	•	•	•	•	•	•	1		
Werner & Swasey .	•	•	•	•	•		•	1		
Vest, Charles A.	•	•	•	•		•	•	1		72
Wilmington Institute		:	•	•			•		1	
Winona Educational As	sociat	ion		•			•	1		
Women's Auxiliary									5	
Wood, Henry								3		
Woodman, Mary A.								1	1	
Woods, John M									1	
Young Men's Christian	Assoc	iatio	n	•	•		•		1	
Total		:						485	555	1,649

General Work.

The general work of the Library, under the immediate supervision of Miss Adele Smith, the assistant librarian, is so organized that it goes forward with routine smoothness, and much is accomplished. The present year our Vacation Card system, adopted last year, was continued, and was highly appreciated by many who spent their vacations out of town. The past summer 215 cards were issued, on which 1,250 books were taken out, 945 of which were fiction, and 305 other works. The general circulation figures of the year are as follows:—

January											22,919
	•		•	•	•	•	•	•	•	•	
February		•				•		•	•		23,408
March											25,704
April											30,653
May											22,175
June											19,024
July										·	18,631
	•	•	•					•		•	
August		•			•		•		•	•	13,386
September											18,631
October											20,445
November											23,201
December		·								Ť	26,050
December		•	•	•	•	•	•	•	•	•	· ·
m . 1											0.04.007
Total		•	•		•	•	•		•	•	264,227
0 4 . 4 4											

Of this circulation 73½ per cent. is fiction, and 26½ per cent. other works. Below is given our circulation by classes, exclusive of fiction:—

General work										6,093
Philosophy										935
Religion .										1,226
Sociology									•	1,779
Philology									•	190
		•							•	2,055
Natural science		•		•			•		•	
Useful arts		•		•			•	•	•	1,847
Fine arts .	•		•	•	>	•	•		•	3,879
Literature	•	•		•		•	•		•	7,578
History .				•					•	11,722
										37,304
Children's roo	m								•	19,057
Schools-Speci										13,433
Transfer in pro-	,									
Total .										69,794
ı otar .	•	•	•	•	•	•	•	•	•	00,.01
	Cir	culati	on o	of Ch	ildr	en's	Roo	m		
T		caiati	011		111611		1(00	1110		00.000
Fiction .	•	•	•	•	•		•	•	•	68,983
Other works	•	•	•	•	•	•	•	•	•	19,057
									-	
Total			•						•	88,040
			DE	RCEN	TAGE	-,				
731			PC	KCEN	IAUE	۵.				= 0.0 =
Fiction .		•	•		•					78 2-7
Other works			•					•		$21\ 5-7$
D		م		T	1	0		1	1,	c 1

By a recent vote of your Board, a four-day limit for books in great current demand was adopted. No considerable criti-

cism of this system has been brought to my attention, and the reading public as a whole is pleased with the arrangement, as it nearly doubles the chances of every reader to secure the book desired. The problem of supplying the public with current fiction will always be a troublesome one. Many poor novels are written; but there are always a few excellent ones brought out each year. It seems to me that as soon as it can be determined which ones are the good ones, a goodly number of duplicates should be bought. On the contrary, as soon as it can be determined which are the worthless or mediocre novels, none should be bought at all. It is better to give the public as many good novels as it desires than to give it a miscellaneous choice of the good, the indifferent, and the worthless.

The New Stack Room.

The most important event in the history of the year is the completion of our new stack room. This is now finished, the books have been for some time moved into it, the books in the old stacks have been re-arranged, and we are now ready for the adoption of the new experiment of free access. This cannot be done without serious embarrassments to us. The whole routine of the Library will be revolutionized, and it is probable that many vexatious incidents will attend the new departure. But the new regime will be of incalculable benefit to the public, and I feel that no other action ever taken by the Library, with the possible exception of the removal of the age limit and the opening of the children's room, can have been more productive in salutary results than this new action is sure to be.

Binding.

The present year \$1,454.21 were spent for binding. With free access to the shelves and with the natural increase of circulation this item of expense is sure to increase and probably with rapidity. The time will probably arrive at no distant date when it will be feasible to establish a bindery of our own in connection with the Library. The outfit for such a plant is not expensive, and should be a part of the equipment of all libraries doing a large business. With a bindery plant, working under the management of the Library, our books could be inspected with greater frequency and repaired more promptly. They could be kept in a neater and sounder condition. While I do not urge this recommendation for immediate adoption, I think the time has arrived for carefully investigating the matter with a view to future action.

House Delivery.

It still seems to me that the energies of the Library should be applied with even greater persistency to pushing the circulation of its books. To quote what I have already said in another place, "The population of Somerville in round numbers is 62,000.

Let us estimate roughly that there are 50,000 persons capable of reading (for the little tots of five and six are taking out our picture books). If each of these 50,000 readers should take out but one book a week it would bring our circulation up to 2,600,000. This would be more than twice the circulation of the Boston Public Library, one of the best public libraries in the world. This circulation would double Boston's circulation, and would probably exceed the circulation of any public library on earth. It would be unparalleled, phenomenal, and, under present conditions, unthinkable. But yet it would be only one book a week for each reading member of the population. But the condition of library affairs is now such that one book a week is an unparalleled, inconceivable, and utterly unthinkable thing. If one book in two weeks were circulated by the Somerville Library then we should have a circulation of 1,300,000; and even this would be an unparalleled and utterly unthinkable thing. book in three weeks were circulated, then we should have a circulation of 866,666. Even this would be an unparalleled and unheard of circulation for a city of our size, and, I am inclined to think, even this, too, would be unthinkable. Now if it seems an almost impossible and unattainable thing for a public library to circulate one book in three weeks to every reading member of its community, it is really time for libraries to set before them higher standards of possibilities.

"But the Somerville Public Library is at present circulating about one book in ten weeks to each member of its reading population. Counting the whole number of our population we are circulating about one book in twelve weeks. Now we have a really large circulation as circulations go, but is a library that gives out a book once in three months to each member of its population doing the very best it can for its community? It seems to me the answer must be a loud negative." And I am very glad that the initiatory steps have been taken by this Library which I hope, in time, will improve this condition of affairs. I allude to the house-to-house delivery of books. This question has been before your Board for some time. It was found, after careful investigation, that it was inexpedient to have these books delivered by team; and a short time ago the Librarian was authorized to employ boys for the purpose, these boys to receive two cents a book for each book delivered. Already fifteen boys have been assigned to fifteen different sections of the city. The work has simply been organized, but not developed; and it is too early to give definite statistics. But enough has been learned from this experiment already to fully warrant us in adopting it. The patrons of these boys are largely people who have not used the Library hitherto. Many of them had never visited the Library, some of them did not know its location, and some were ignorant of the existence of the Library at all. I believe that one reason public libraries are not more used is because people

do not know there are such things. There is nothing very strange about this condition of affairs, especially in a city like Somerville made up so largely of new residents. Our delivery boys—unconscious little missionaries of culture—will very

speedily make this condition of things impossible.

It will take time to establish this system on a good basis. The whole difficulty of the problem is to find the right boys. Our delivery boys are as good as the nature of boys will permit them to be; but it is to be expected that the right boy will not always be discovered the first time. It will be a series of experiments, and the fittest will survive.

General Statistics.

Below is the statement of the general work of the Library for the year:—

	692 019
" added	
Delivered for home use	227
" at West Somerville	530
	840
	935
	079
" "Beacon street	430
" "Grammar schools	803
" from Children's room	040
Volumes circulated in school libraries	171
	762
Number of Reference Room visitors	463
	938
Books covered	644
Cash, Catalogues	91
	$\overline{26}$
" Fines	
Total	72

Conclusion.

The machinery of our interior library management is now well adjusted and in good working order. The staff is in perfect harmony, working together for a common purpose. There is but little call for the devotion of more time to the elaboration of library detail. But the one great aim and purpose of the Library should be to reach more people. The whole public library movement everywhere is young, and a very large proportion of people have not yet been brought into relation to it. Our first great duty is to get good books. A second, but equal duty, is to get them read. The campaign of the future should be concentrated very largely to this end.

Respectfully submitted,

SAM WALTER Foss, Librarian.

Somerville, Mass., December 30, 1901.

REPORT OF THE BOARD OF HEALTH.

Office of the Board of Health, CITY HALL, January 1, 1902.

To His Honor, the Mayor, and the Board of Aldermen:—

Gentlemen,—We respectfully submit the following as the twenty-fourth annual report of the Board of Health, in which is presented a statement, tabulated and otherwise, of the sanitary condition of the city and the business of the Board for the year ending December 31, 1901:—

Organization.

ALLEN F. CARPENTER, Chairman. WILLIAM P. MITCHELL, Clerk. CALEB A. PAGE, Agent.

Inspector of Animals and Provisions.

CHARLES M. BERRY.

Inspector of Milk.

Julius E. Richardson.

Superintendent Collection of Ashes and Offal.

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 1901.

(SEE DESCRIPTION OF DISTRICTS IN LATTER PART OF THIS REPORT.)

			1 1			1				(
	I.	II.	III.	IV.	V.	VI.	VII.	VIII.	IX.	X.	Total.
Population (estimated).	7,718	6,103	5,236	6,134	11,736	6,706	7,428	3,390	4,953	3,596	63,000
Cellar damp	11	5	7	6	4	8	3	2	4	3	53
Cesspool offensive	2	1	Mi.		2	3		ī	3	4	16
Cow barn offensive	3			1		2	1	ī		3	11
Drainage defective	9	4	6	3	5	8	6	3	4	4	52
Drainage emptying into cellar.	3	2	2	1	1	2	1	2	1	2	17
Drainage emptying on surface.	11	5	4	6	7	6	3	2	5	6	55
Fish offal	1				2	2		1		1	7
Goats kept without license	1		1		1	1		1			5
Hennery offensive	4		4	2	3	2	1		1	1	18
Hens kept in cellar	2		1 4	$\frac{2}{2}$	1 5		1 7	4	1 3	1	45
Manure exposed and offensive Manure pit defective	4	8 3	4	3	3	6 5	3	2	2	4 3	32
Offal on land	5	8	2	4	2	4	9	7	4	2	47
Offensive odor in and about		0	-	*		T					1
dwellings	11	3	5	2	3	7	5	2	4	4	46
Pigeons kept in chamber			1		ĭ		1		l		3
Pigs kept without license	4		1		1			1			7
Premises filthy	3					2				1	6
Premises untidy	14	8	7	3	6	6	6	3	4	5	62
Privy-vault offensive	10	1	1	3	4	7	2	1	3	1	33
Rubbish in cellar	13	5	6	4	6	5	3	1	4	5	52
Sewage-gas in house	3	2	1	3	2	4	1	1		1	18
Slops thrown on surface	3 7			$\frac{1}{3}$	$\frac{1}{2}$	1 5	1	4	$\frac{1}{2}$	1 1	29
Stable infected with glanders.	1	4		3	4	3	1	72	2	1	20
Stable and stable premises filthy and offensive	5	2	3	1	1	2	1		1	1	17
Stable without drainage	3	1	1	$\frac{1}{2}$	2	3	Î	1	1	. î	15
Stagnant water on surface	2		2	1			1	1	2	$\frac{1}{2}$	11
Waste-pipe defective	13	6	4	5	7	4	5	2	3	2	51
Waste-pipe not trapped	5	1	1	3	1	1	2	1	2	4	21
Water-closet defective	11	4	3	4	5	7	3	2	3	5	47
Water-closet insufficiently sup-						i			1		1
plied with water	7	4	2	3	2	4	3	1	1	2	29
Water-closet offensive	18	2	4	5	4	3	1	2	5	3	47
Water in cellar	4	1	2	2			5	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	19
Water under stable	5	1	$\frac{2}{2}$	1	2	$\frac{1}{2}$	1	2			
Total	197	81	81	76	86	113	77	53	66	76	900

Number of nuisances abated		906
Number of nuisances referred to Board of 1902		76
Number of nuisances complained of	•	982
Number of complaints (many covering more tha	an	
one nuisance)		476
Number of notices mailed		594
Number of notices served by constables .		3

In addition to the above, 235 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.—Twenty-nine cases of glanders have been reported during the year. Prompt action was taken in every case, and twenty-six 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 150 cows. Twenty-five permits to keep 129 cows

were granted, and three permits were refused.

Swine.—Eighteen applications were received for permits to keep twenty-seven swine. Sixteen permits were granted to keep twenty-five swine, and two permits were 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.—Thirteen 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, three in Charlestown, three in Cambridge, two in Boston, one in Malden, and one in Revere.

Manure.—Three 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 levoked. No fee is charged for these permits.

Peddlers.

One hundred and twenty-three certificates of registration were issued to hawkers and peddlers during the year under the provisions of ordinance No. 27—a decrease of seventeen from the year 1900. Each peddler is required to present a writing from the Sealer of Weights and Measures, showing that his measures have been properly sealed, before a certificate is issued to him. Peddlers are also required to present their vehicles at the Police Station the first Monday of each month for inspection by the agent of the Board, that he may see they are kept in a clean condition, and are properly marked with the owner's name and number.

Ashes.

During the past year the ashes have been removed by this department with teams owned and men hired by the city, under

a competent superintendent, who also superintends the collection of house offal.

Twenty-two men, with twelve horses, ten carts, and two wagons for the collection of waste paper, are employed in the work.

The number of loads collected each month during the year was as follows:—

17
34
00
71
46
35
56
36
17
30
8
92
12

The collections are made weekly, as follows:—

					in district one.
Tuesday					" two.
Wednesda	y				" 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 twelve

horses and twelve wagons.

The following table, showing the number of loads collected each month during the year, may be of interest:—

January										540
February										420
March										520
April .							•			530
May .										540
June .										500
July .	•									540
August	•							•		605
September			•	•	•	•	•	•	•	532
October	•	•	•	•		•	•	•	•	565
November		•	•	•	•	•	•	•	•	517
December	•	•	•	•	•	•	•	•	•	536
Tr-4-1									_	0.045
Total										6,345

Stables.

Under the provisions of Chapter 213 of the Acts of the Legislature of 1895, relating to the licensing and regulating of

stables in cities, as amended by Chapter 332 of the Acts of 1896, and Section 3 of Chapter 300 of the Acts of 1897, thirty-nine petitions for licenses to erect stables were received and disposed of as follows:—

Number	granted							23
Number	refused							14
Petitions	referred	to	next	Boa	rd			2

Board of Infants.

Five parties have been licensed to care for ten children, under the provisions of Chapter 318, Acts of 1892.

Deaths.

There were 831 deaths and sixty-two stillbirths in the city during the year, as specified in the following table, which shows a decrease of deaths from the previous year of one hundred and thirty-six:—

Deaths at Somerville	Hosp	ital du	iring	the y	rear			48
Deaths at Home for	Aged	Poor	(Hi	ghlan	d av	enue)	46
Deaths at City Hom								2

DEATHS BY AGES.

	AG	ES.			Total.	Male.	Female.
Under one .	•		•	•	174	108	66
One to two .					19	10	9
Two to three.					13	7	6
Three to four				•	9	5	4
Four to five.				•	10	6	4
Five to ten .					17	9	8
Ten to fifteen				•	16	6	10
Fifteen to twenty				•	17	5	12
Twenty to thirty					55	29	26
Thirty to forty					55	20	35
Forty to fifty					67	31	36
Fifty to sixty				•	68	37	31
Sixty to seventy	•				129	53	76
Seventy to eighty					115	56	59
Eighty to ninety					54	21	33
371			•		13	6	7
Total .					831	409	422

Of the stillborn, 32 were males and 30 females.

Mortality in Somerville in 1901.

	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Total.
					}								
ZYMOTIC DISEASES.													
MIASMATIC.			1										E
Scarlet fever Diphtheria Typhoid fever Erysipelas Diarrhœa Cholera morbus Cholera infantum Whooping cough Dysentery La grippe Meningitis Septicaemia Rheumatism Measles Syphilis	10 1 2 5 4	4 4 2 1 4 3 1	1 2 1 2 1	1 1 1		3	1 6 1	2 1 3 2 1 1	1 3 2 1 2 1 	3 1 	2 2 1 3 1	1 3 1 1	5 28 12 3 6 1 18 6 5 14 22 3 5 3
CONSTITUTIONAL DISEASES													
DIATHETIC.													
Anæmia Cancer Tumor Gangrene Leukaemia	1 2 1 	1	1 4 	1 4 1 	3	4	$\begin{array}{c} \dots \\ 2 \\ 2 \\ \dots \end{array}$	$\begin{array}{c} 1\\2\\1\\\cdots\\ \end{array}$	3	4	2	1 9 1 1	6 39 6 2 1
Tubercular.			7										00
Tubercular meningitis	5 1	9	7 3	8	$\begin{array}{c} 9 \\ 2 \end{array}$	4	9	4	6	10	11	10	92 7
LOCAL DISEASES.													
Nervous System.													
Apoplexy Paralysis Brain diseases Convulsions Spinal disease Hemiplegia Epilepsy Myelitis	1 2 1 1 	3	1		6 2	3 2 1 1 	6 1 2 1 	1 2 1	4 1 2 	1 1 	4 3 2 1	1 1	44 21 7 7 1 1 1 2
ORGANS OF CIRCULATION.	7	0	4	9	5	1	3	2	7	11	8	9	74
Heart disease	7 1 1 1	8	4 1 1	1 1				1 1	1		8	1	6 4
RESPIRATORY ORGANS. Pneumonia	10	13	18	11	9	4	1	1	2	5	5	6	85
Bronchitis	10 7 1 2	4 2	5 1 1 1	7 1	2 1 1	1	1	1		1	3 1	3 1	35 2 5 2 8 5

Mortality in Somerville in 1901.—Concluded.

	1						1						
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Total.
LOCAL DISEASES. DIGESTIVE ORGANS. Rupture of stomach Gastritis. Peritonitis Hepatitis Liver disease Gastric ulcer Enteritis Hernia Appendicitis Cirrhosis Genito-Urinary Organs.	1	1 1 1 1 1 1	1 1 	2 2 	2	3 1 	1 1 2	1 1 2	1 3	1 1 1 1 	1 2 1 2	1 1 1 	1 14 10 4 4 3 15 2 5 4
Bright's disease Diabetes Cystitis Cystitis Nephritis Childbirth Eclampsia INTEGUMENTARY SYSTEM. Abcess Eczema DEVELOPMENTAL DIS-	1	2 2 1 4 	2	1 5 	1 1	2 2 2 1	1 1 3	1 1 1 1	2 1 1 1	1 1 1	1 2 1	1 	23 7 7 23 1 5
EASES. OF CHILDREN. Inanition	3 1 1	1 3	2	1	2 2		2	3	5 3	3 4 1	3 1	2	24 23 3
Old age VIOLENT DEATHS. Railroad. Suicide Accidental poisoning Sunstroke Burning Alcoholism Fracture of thigh Fracture of skull Fracture of spine Injury to head Accidental shooting	1 1 1 1	1	1 1 		1	1	3 	1 2	2	1	1 1 1	3	27 3 5 1 4 2 2 2 3 2 1 1
Total	86	82 10	81	76 5	69 1	40	64 5	55 2	61 8	68	77 3	72 9	831 62

		Sag	:1	Dat	ation	ac af	· Da	ceder	1+c				
		Soci	ai	1(61	ащи	is of	De	ceuei	115.				
Married	•	•	•	•	•	•	•		•	•	•	•	272
Single .	•	•	•	•	•.						•		357
Widow .	•		•	•	•	•		•	•		•	•	143
Widower	•	•	•	•	•	•	•	•	•	•	•	•	$\frac{55}{2}$
Divorced	•	•	•	•			•	•	•	•	•	•	2
Unknown	•	•	•	•	•	•	•	•	•	•	•	•	
Total													831
1000	•	•		·	Ť	·				Ť	Ť	·	
			N	ativ	íty	of ${\mathcal I}$)ece	dents	•				
Somerville													225
	•												214
Massachusetts Other New Er Other states	nglan	d sta	tes										108
Other states	•	•								•		•	13
Canada .			•										62
England, Scot	tland,	and	W	ales		,				٠			28
Ireland .	•	•	•		•				•	•		•	135
Ireland . Italy .													6
Norway and S	Swede	en			•	•		•		•		•	19
Russia .	•	•	•	•	•	•	•	•		•	•	•	5
Other countri		•	•	•	•	•	•	•	٠	•	•	•	13
Unknown	•	•	•	•	•	•	•	•	•	•	•	•	3
Total													831
1000	•	•	•	•	•	•	•	•	•	•	•	•	COI
	Λ	Tatív	ity	of	Par	ents	of.	Dece	dents	5.			
											Fa	ther. N	Iother.
Somerville												15	11
Massachusetts		٠, ١									•	132	140
Other New E	nglai	nd st	ates	3								144	130
Other states				•							•	19	23
Canada		•		•	•		•			•	•	102	121
England, Sco						•		•	•		•	53	41
Ireland				•	•	•	•	•	•	•	•	259	263
Italy .				•	•	•	•	•	•	•	•	13	11
Norway and	Swed	en .		•	•	•	•	•	•	•	•	13	9
Kussia .		•		•	•	•	•	•	•	•	•	8	8
Other countri				•	•	•	•	•	•	•	•	26	23 51
Unknown	•			•	•	•	•	•	•	•	•	47	91
Total												831	831

Of the parents of the stillborn, 35 fathers and 29 mothers were natives of the United States, and 27 fathers and 33 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.—One hundred and thirty cases of scarlet fever have been reported during the year, five of which resulted fatally. In 1900 there were two hundred and thirty-one cases,

seven of which resulted fatally.

Diphtheria.—Three hundred and forty cases of diphtheria have been reported during the year, twenty-nine of which were fatal. In 1900 there were five hundred and twenty cases, forty-nine of which proved fatal. Anti-toxin has been provided by the State Board of Health, and placed by this Board in central locations for use by physicians in cases where people are unable to purchase the same. Culture tubes for diphtheria and sputum bottles for suspected tuberculosis have been obtainable at the same stations.

Warning cards are used in dealing with scarlet fever and with diphtheria, and the premises are fumigated by the use of the Formaldehyde gas regenerator, immediately after the termination of the case. An inspection is made by the agent of the Board of the premises where diphtheria is reported, and all sanitary defects discovered are required to be remedied as soon as possible.

Typhoid Fever.—Seventy-eight cases of typhoid fever have been reported during the year, twelve of which have proved fatal. In 1900 there were seventy-two cases reported, nine of which

were fatal.

Typhus Fever, Cholera.—No cases of typhus fever or cholera

have been reported the past year.

Smallpox.—Seven cases of smallpox have been reported during the year, none of which thus far have proved fatal. The City Physician, by direction of this Board, attended all but one of these cases to the exclusion of all other medical work.

Of the November and December cases, three men and a child aged two were cared for at the smallpox hospital, and one, a young mother, was treated at her own home and her family

quarantined.

The family to which the child with smallpox belonged consisted of the parents and seven children; both parents were vaccinated years ago; two of the children were successfully vaccinated one and two years ago respectively, upon entering school, and four others had been successfully vaccinated about a month before at one of the free vaccination offices nominated by the Board of Health; the vaccination of the baby alone was neglected. As this child had been kept sedulously at home, she probably contracted smallpox from the clothing of her father, who was a hack driver in Boston, where that disease was then more or less prevalent. Such a striking exemplification of the protection

against smallpox afforded by vaccination, and the danger heedlessly incurred by neglecting to comply with the urgent and reiterated request of this Board, that every person, however young or old, not recently successfully vaccinated should be vaccinated forthwith, needs no comment.

Number of houses placarded for various diseases . 475 Premises disinfected by agent 536

DISINFECTION.

By special request of attending physicians, the agent has disinfected rooms that have been occupied by patients with consumption, typhoid fever, and cancer. He has also disinfected a large number of library books, and has burned a quantity of infected bedding and other material.

TABLES.

The prevalence of scarlet fever, diphtheria and typhoid fever in the city during the several months of the year 1901 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 1901.

	Scarlet Fever.			D	PHTHERI	Α.	Typhoid Fever.				
Months.	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 February	37 20 20 9 7 13 2 3 4 4 4 5	4 1	20.0 5.0	87 40 26 21 32 29 17 16 11 21 27	10 4 2 3 1 2 1 3 2 1	11.5 10.0 7.7 9.4 3.5 12.5 9.0 14.3 7.8 7.7	10 8 1 1 2 9 19 16 8 4	1 2 1 1 3 1	10.0 25.0 50.0 11.1 15 8 6.2 75 0		
Total	130	5	3.8	340	29	8.5	78	12	15.4		

Deaths	from	Scarlet	Fever,	Diphtheria	and	Typhoid	Fever
		in	the Las	st Ten Year	·s.		

	SCARLET FEVER.					Diphtheria.						Typhoid Fever.																		
Months.	1892.	1893.	1894.	1895.	1896.	1897.	1898.	1899.	1900.	1901.	1892.	1893.	1894.	1895.	1896.	1897.	1898.	1899.	1900.	1901.	1892.	1893.	1894.	1895.	1896.	1897.	1898.	1899.	1900.	1901.
January February	3 2 4 1 3	2	3	1	1 1 2	2			1 2 1 2 1	- - 4 1 	2 2 2 1 	1 2 2 1 1	3 4 1 3 1 4 	6 6 4 2 3 2	3 5 4 2 5 2 2 1		2 1 1 3 2 1	1	7 1 5 2 5 3 4 .9 6 3 4	10 4 2 3 1 2 1 3 2 1	- 2 1 1 4 3 	1 3 2 2 2 2 -		1 1 1 2	1 2 1 2 1 2 6	 1 1 2 2 2 2 1	- 2 2 1 1 1 	1 1 1 2 2 1 3 3	- 1 1 1 1 3 2 	1 2 1 1 3 1
Total	14	19	51	17	5	6	0	3	7	5	8	11	28	43	54	41	10	11	49	29	11	13	13	10	26	11	11	15	9	12

Smallpox Hospital.

The old Cook farmhouse between the City Home and the newly acquired Russell house, at the corner of Broadway and North street, was moved to the rear of the city land to serve as a hospital for cases of smallpox. It stands close to the other house where the smallpox patients have been confined. The two buildings will soon be joined together. The original smallpox hospital has but two rooms, whereas the Cook house addition contains five rooms; both together, therefore, affording accommodation for all the smallpox cases that the city is liable to have in charge. This new hospital is equipped with a telephone, electric lights, bathtub, and other conveniences. The patients were transferred to the new quarters about the middle of December, 1901.

Free Vaccination.

Promptly with the entrance of the first of the autumn small-pox patients to the hospital, the Board authorized the three physicians that were associated with the Board to perform free vaccinations to such as might apply to them therefor at their respective offices during the remainder of the year. An appeal to the public through the press was authorized, and the co-operation of other city departments was asked in getting their employees vaccinated. A few days later the following physicians were employed by the Board to perform free vaccination, and 15,000 copies of the following circular were printed and were distributed to the several householders through the Police department:—

FREE VACCINATION.

BOARD OF HEALTH, CITY HALL, SOMERVILLE, November 26, 1901.

Since smallpox is increasing rapidly, the Somerville Board of Health hereby most earnestly urges that all persons, the vaccinated as well as the unvaccinated, protect themselves and the community by an immediate vaccination.

All persons may obtain free vaccination upon application therefor at the offices of the following physicians:-

Dr. Henry F. Curtis, 145 Perkins street. Dr. Francis Shaw, 124 Pearl street.

Dr. Arthur R. Perry, 18 Bow street (who made no charge to the city for his services).

Dr. Charles H. Tozier, 12 Highland avenue. Dr. Louis P. O'Donnell, 46 Bow street.

Dr. Lewis N. Bump, 97 Sycamore street (who subsequently declined to serve).

Dr. Henry C. Hach 464 Broadway.

Dr. Charles E. Bedell, 162 Highland avenue. Dr. W. Morrill Colby, 287 Beacon street.
Dr. Horace P. Makechnie, 238 Elm street.
Dr. George E. Osgood, 333 Highland avenue.
Dr. Ernest D. Pillsbury, 1156 Broadway.
Dr. Freeman L. Lowell, 50 College avenue.

ALLEN F. CARPENTER,
ALVANO T. NICKERSON,
ARTHUR R. PERRY, M. D.,
Somerville Board of Health.

The response by the public was most gratifying. About a month later the following additional physicians were appointed similarly by the Board to vaccinate free:-

Dr. John M. Homan, 7 Broadway.

Dr. George F. Hughes, Jr., 212 Medford street. Dr. John F. Couch, 42 Bow street.

Dr. Edward J. Meyer, 14 Bow street.
Dr. Michael W. White, 41 Bow street.
Dr. Charles K. Cutter, 175 School street.
Dr. Charles F. Maguire, 511 Medford street.
Dr. Winfield H. Ames, 417 Highland avenue. Dr. Herbert Cholerton, 1150 Broadway.

Medical Inspection of Schools.

We renew our earnest recommendation of the last two years for the speedy inauguration of a system of daily medical inspection of the public and private schools of the city. We are gratified at the steadily-increasing popularity of the advocated system as formally expressed by the following unanimous endorsement of it by the Somerville Medical Society addressed to the Chairman of the Board of Health:—

The Somerville Medical Society, at its last regular meeting, December 13, 1900, unanimously resolved that the Society approves of a medical inspection of schools under direction of the local Board of Health. (Signed)

> ARTHUR R. PERRY, Secretary Somerville Medical Society.

And by the following similar action from the School Committee:-

November, 1900.

Ordered, 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.

Ordered, that the Board of Aldermen be requested to give the Board

of Health whatever financial support may be needed to defray the ex-

penses of the daily medical inspection of schools in Somerville.

The Superintendent of Schools has endorsed the detailed system which was introduced late in the year 1901, and was then referred to the next Board for its early favorable consideration. A thorough canvass of the teachers has shown only the sincerest desire on their part to co-operate with the Board.

Bacteriological Examinations.

The system of free bacteriological examinations tentatively inaugurated last year by this Board to facilitate the early diagnosis of diphtheria, tuberculosis and typhoid fever has been an unqualified success from the start, and now it has become a

necessity.

Upon April 3, 1901, immediately after an appropriation had been granted by the city to carry on the bacteriological examinations, which had been performed until then by Dr. Arthur R. Perry as City Physician, the Board secured a continuance of the prompt and efficient service through the appointment of an expert microscopist and trained bacteriologist in the person of Dr. Freeman L. Lowell, of 50 College avenue, to fill the newlycreated office of Bacteriologist of Somerville.

In the absence of municipally-provided accommodation for the laboratory, the work, until November 1, 1901, was carried on in the house of the medical member of this Board. It is expected, however, that very soon a suitable laboratory for the work

will be provided at City Hall.

The Board would express its gratification at the hearty cooperation of the physicians of Somerville, which speaks well for their mental alertness, progressiveness, and professional conscientiousness, that, though thus far the taking of cultures for diagnosis and release has been not strictly compulsory, still, in the very first three months of the system, less than half a dozen physicians of the city had failed to make use of the added scientific facilities freely accessible to them for the prompter detection of disease. We hope soon, through school inspectors, to relieve such physicians as deem it a hardship to take release cultures from the necessity of taking them, and that thus we may be able to know through the report of the Bacteriologist, in every case of diphtheria, that the applicant for discharge from quarantine is really free of the bacilli characteristic of that disease.

The increasing demand for sputum examinations for tuberculosis is gratifying evidence that our physicians are alive to the vital importance of early diagnoses in such pulmonary cases, and fully realize the valuable data that the microscope may furnish when physical signs are doubtful or absent.

The Widal or Serum test is very generally used now as an aid to the detection of typhoid fever, and examinations for that test have been made at the laboratory throughout the year. Detailed reports of the acting Bacteriologist and of the Bacteriologist.

gist are printed elsewhere in this report.

The several outfits for submitting cultures, sputum and blood may be had at the following pharmacies, which have been selected by this board to be "Culture Stations." Collections therefrom are made at 5 P. M. daily.

Charles H. Crane, 154 Perkins street. Milton H. Plummer, 25 Union square. Julius E. Richardson, 310 Broadway. Frank W. Robie, 482-A Medford street. Herbert E. Bowman, 529 Medford street. Adam T. McColgan, 55 Elm street. Charles S. Lombard, 2 Holland street.

Report of the Bacteriologist.

Office of the City Physician, May 1, 1901.

Board of Health, City of Somerville:—

Gentlemen,—I would present the following report of the work done by me as acting Bacteriologist from January 1, 1901,

to April 3, 1901, inclusive.

Through the several culture stations fifty-one (51) different physicians within the above-mentioned period have sent to my office for bacteriological examination three hundred and sixty (360) "cultures," taken from two hundred and thirty-nine (239) different patients who were then presenting signs more or less suggestive of diphtheria. Fifteen (15) culture tubes presented for examination no satisfactory growth, and were therefore reported as "no growth," and new cultures were requested. One hundred and fifty-four (154) cultures were found to contain bacilli of diphtheria and were reported as "positive." Of these ninety-three (93) represent separate cases of diphtheria in Somerville, and may be styled "positive diagnosis," and the other sixty-one (61) positive cultures represent the premature trials to liberate diphtheritic patients from quarantine.

One hundred and ninety-one (191) cultures were found not to contain diphtheria bacilli, and were consequently reported as "negative"; of these, one hundred and forty-seven (147) cultures represented patients who did not have diphtheria at all, and may be styled as "negative diagnosis," and forty-four (44) cultures

represented the final successful attempts to release convalescents from quarantine, called therefore "negative release." The three hundred and sixty (360) cultures may therefore be summarized thus:—

"No growth"			•					15	
"Positive { Diagnosis" Release"			•				93		
	•	•	•	•	•	•	61 147	154	
"Negative { Diagnosis" Release"		•	•				44	191	

Nine (9) specimens of sputum were examined for "tuber-culosis"; four (4) were "positive," five (5) "negative."

One (1) blood specimen was examined for typhoid fever with a "positive" result.

Respectfully submitted,

ARTHUR R. PERRY, M. D.

To the Board of Health:-

Gentlemen,—I have the honor to submit the following report for the time beginning with April 3, 1901, and ending December 31, 1901.

The laboratory is now situated at 50 College avenue, West Somerville, near Davis square. Telephone, 237-3 Somerville.

The work of the laboratory consists of the examination of specimens of suspected cases of diphtheria, tuberculosis, and typhoid. Specimens are received at the laboratory daily throughout the year from 8.30 A. M. to 6 P. M.

Outfits for the collection of specimens from diphtheria, tuberculosis, and typhoid are kept at certain drug stores, appointed for the purpose, and known as "culture stations." (See list, page 291.) After the specimen is collected, it may be sent directly to the laboratory; or, if preferred, it may be left at the culture station from which the outfit was obtained. If received at the culture station early enough (4 P. M.), it will be forwarded free to the laboratory the same day. Typhoid specimens may be mailed to the laboratory, but diphtheria and tuberculosis specimens must not be sent by mail under any circumstances. It is important that the diphtheria outfit should reach the laboratory on the same day the culture is taken.

Early reports from specimens are of importance chiefly in cultures for diphtheria diagnosis. All other work is subordinated to obtaining these results quickly. All positives for diagnosis and all doubtful or unsatisfactory specimens where a second examination may be desirable are reported to the physician by telephone. Other results are not reported by telephone unless requested by the physician. All results are reported to the physician by mail, whether telephoned or not. The diphtheria results are usually ready by 10 A. M. The tuberculosis and typhoid results are available later.

Somerville physicians may send specimens from patients residing within or outside of Somerville. Physicians residing outside of Somerville may send specimens from patients residing in Somerville. When both physician and patient reside outside of Somerville the specimen must be sent to the State Board of Health or the Board of Health laboratory of the city in which the patient or physician resides.

DIPHTHERIA.

The diphtheria outfit consists of one blood serum culture tube, one swab tube, a card to be filled out by the physician, and a card of directions, all enclosed in a pasteboard sliding box, which is disinfected with Formaldehyde gas each time before it is sent out. Before taking the outfit from the culture station, the physician should inspect the serum tube, and, if it is dry or bad, should reject it. A fresh tube always has a few drops of the liquid of condensation in its bottom. When this water of condensation disappears, either from evaporation or from the reason of the tube having been inverted and the liquid absorbed by the stopper, the serum dries rapidly and soon becomes untrustworthy for culture work. It is a wise precaution, therefore, to keep the tubes in an upright position at all times, and above all not to replace the tubes in the box in such a way that when the box is held upright the tubes are upside down. When a rapid or swab examination is desired, it is a good plan to rub the swab upon the suspected area in the nose or throat a second time after the inoculation of the tube. The swab is then returned directly to the swab tube. This procedure increases the amount of material available for examination.

All cultures received at the laboratory before 6 P. M. are put into the thermostat at 37 degrees C over night, and will be examined at 9 A. M. the following day. An incubation of from twelve to eighteen hours is to be desired in every culture. Cultures which remain over night at the culture station, as a rule, are not reliable. Unless they are found to be positive, they will be reported as unsatisfactory.

A negative report will be sent with a request for another culture whenever (a) the clinical diagnosis is diphtheria, (b) membrane is present on the pharynx or tonsil, or (c) it is a laryngeal case, or (d) there is any doubt as to the nature of the bacilli.

A report of "no growth" or "unsatisfactory" signifies that, for the reason of a dry tube, or the presence of a liquefying bacillus, or the antiseptic treatment of the local lesion, or for some other reason, the culture is unreliable. Such a result is absolutely of no value.

Diphtheria may be defined as a toxaemia produced by the toxins of the Kloebs-Loeffler or diphtheria bacillus. A clinical condition known to be due to lead, whether mild or severe, or whatever the particular symptoms happen to be, is properly

termed plumbism. So a clinical condition due to diphtheria toxins, whether mild or severe, or whatever the particular symtoms, is properly classified as diphtheria. This is important from a therapeutic point of view, since it indicates the treatment. It also determines the complications and sequelae we are to expect. It is of value to the public health in classifying the nature and infectiousness of the disease.

If a patient from whom a positive culture has been obtained shows no symptoms of any kind, it may be inferred that the toxins of the bacillus are absent, or that they are completely neutralized by the body fluids. But so long as diphtheria bacilli remain in the nose and throat of the patient, that patient constitutes a source from which others may become infected with the diphtheria bacillus. Yet it can not be said that such a patient is

suffering from the disease of diphtheria.

The absence of the diphtheria bacillus is, on the other hand, complete proof of the absence of the disease, since we know that the diphtheria toxins cannot be formed without the presence of the diphtheria bacillus. The difficulty lies in the fact that we cannot always prove absolutely that the diphtheria bacilli are in reality absent. The bacilli may be present in the nose and throat, and yet not appear in the culture,—especially if only one culture is taken. In laryngeal cases, where the seat of the lesion is hard to reach, it is often difficult to get a positive culture. Hence, while one negative culture is of some value, three or four cultures should be taken in suspicious cases before the clinical diagnosis is overruled by the bacteriological results alone.

TUBERCULOSIS.

The outfit for suspected tubercular sputum consists of a square, wide-mouthed bottle of about one-half ounce capacity with a well-fitting cork, enclosed in a pasteboard box, inside of which are two cards,—one to be filled out by the physician; the other consists of directions. The bottle is sent out half filled with a solution of five per cent. carbolic acid to obviate the danger of infection in the laboratory. The carbolic acid not only kills the bacilli, but acts as a mordant, and improves their staining qualities. No bottle containing sputum will be examined if leakage occurs during transit, or if sent in any form other than the regular tuberculosis outfit furnished by the laboratory of the Board of Health. Sputum specimens are usually examined on the morning following their receipt.

A single negative does not demonstrate the absence of the tubercle bacillus in the given specimen, nor, if that absence be confirmed by repeated examinations of successive specimens, is the absence of the disease necessarily established. A negative result from the examination of the sputum of a patient suffering from pulmonary tuberculosis may be because of (a) the improper collection of the sputum,—saliva instead of true pulmonary ex-

pectoration, (b) the presence of but few bacilli,—too few to be detected by the microscopic method, (c) the absence of the bacilli from the sputum in spite of the undoubted presence of the disease. This latter condition may be explained by the fact that there is little or no breaking down of lung tissue in the early stages of chronic pulmonary troubles; this is also true of the acute miliary form of tuberculosis. Therefore, a single negative report should not be allowed to reverse a clinical diagnosis of tuberculosis.

TYPHOID FEVER.

In the examination of the blood for the diagnosis of typhoid fever, the dried blood variation of the Widal reaction is used. The outfit consists of an aluminum foil upon which a drop of the blood is to be dried and a small copper-wire loop for transferring the blood to the foil. With this foil are two cards,—one to be filled out by the physician, and the other is a card of directions. These are all enclosed in a manilla envelope. The physician must furnish his own needle. After the blood has been taken, and allowed to dry thoroughly on the foil, the outfit may be enclosed in an envelope and mailed (postage two cents) to the laboratory, or sent to the laboratory, or left at a culture station. A report by mail may be expected in about twenty-four hours after the receipt of the blood preparation.

The dilution practiced is one to ten; the time limit is one-half hour. If loss of motility and well-marked clumping occur within the time limit, the report is returned as positive. If loss of motility occurs, with no clumping, the report is returned as

negative, with a request for another specimen.

The Widal reaction is obtained from the blood as the result of the opposition of the body forces to the toxins of the typhoid bacillus. It is not necessarily essential that the patient should have the ordinary symptoms, etc., of intestinal typhoid fever in order to give the Widal reaction. It is enough that the patient should suffer from the effect of the toxins of the typhoid bacillus, whatever the clinical or anatomical conditions. The reaction, once established, may last for years after recovery, although it usually disappears in a few months. Thus the presence of the reaction means the existence at some time past or present of an infection of the typhoid bacillus.

It is important for the physician to know if the patient has previously had typhoid fever, and, if so, how long before. If the previous illnesses show nothing resembling typhoid, it will be safe to conclude, in the presence of a positive Widal, that the present illness is due to a typhoid infection. The Widal reaction is usually not obtainable before the fifth day of the disease.

The following summary is taken from Cabot (Clinical Ex-

amination of the Blood, Fourth Edition):-

"The blood of over ninety-five per cent. of all cases of typhoid shows a clumping power in some part of their course, but in at least half the cases this does not appear until the second week of the disease, while in a small number of cases it first appears in relapse or convalescence. The clumping power may disappear before the defervescence, and may be present only eight days in all; as a rule, it persists from the sixth or eighth day until convalescence is established.

"In diseases other than typhoid a clump reaction is very rarely to be obtained, provided a dilution of at least one to ten is used with a time limit of half an hour. There is no one disease in which clumping

is especially apt to occur.

"Clinically the reaction is of considerable value, especially when the diagnosis is in doubt after the first week of the disease."

GLANDERS.

Last May specimens were submitted to the laboratory, from a horse at the City Farm, by Dr. Charles R. Simpson, veterinarian,—from a horse suspected to have glanders. Swab specimens and cultures were carefully examined, and a bacillus was found in all of them which could not be distinguished from the glanders bacillus. Although the mallein test was doubtful in reaction, on the laboratory findings the horse was killed and autopsied. The autopsy showed suspicious lesions, but not completely characteristic. Further culture and swab examination was made from the autopsy specimens, which, owing to the lack of the necessary guinea pig inoculation, was a duplication of the previous examinations. The conclusion that the case was a true case of glanders was probably correct. But inoculation experiments were desirable to make the diagnosis positive.

CULTURE STATIONS.

The culture stations are certain drug stores which have been appointed by the Board of Health for the convenience of the physicians in the city. Here the outfits for the collection of the various specimens for laboratory examination may be obtained, and left for transmission to the laboratory. To ensure free transmission to the laboratory on the same day the specimen is collected, specimens should be left at the culture station not later than 4 P. M.

Anti-toxin may also be obtained at these stations; also at the office of the Board of Health, City Hall, during office hours, and at the laboratory.

The list of stations is as follows:—

Charles H. Crane, 154 Perkins street, East Somerville. Julius E. Richardson, 310 Broadway, Winter hill. Frank W. Robie, 482-A Medford street, Magoun square. Herbert E. Bowman, 529 Medford street, Magoun square. Milton H. Plummer, 25 Union square. Charles S. Lombard, 2 Holland street, Davis square. Adam T. McColgan, 55 Elm street.

APPENDIX.

In the Appendix, Table No. 1 shows the routine work done by the laboratory in the examination of specimens for diphtheria, tuberculosis, and typhoid, from April 3, 1901, to December 31, 1901, inclusive. Table No. 2 shows the work done by months for diphtheria, tuberculosis, and typhoid. Table No. 3 shows the classification of the diphtheria work as positive, negative, and unsatisfactory. These are further classified into cultures for diagnosis, and for release. The unsatisfactory cases are those which had no growth or for some other reason were unreliable. The discrepancy between the number of positive cases for diagnosis and negative cases for release is due to deaths, transfer to hospital, etc.

All of which is respectfully submitted,

FREEMAN L. LOWELL, M. D.,

Bacteriologist.

Appendix to Bacteriological Report.

TABLE 1.—SUMMARY OF WORK DONE. From April 3, 1901, to December 31, 1901.

]	Positive.	Negative.	Unsatisfactory.	Total
Diphtheria	128	283	3 0	441
Tuberculosis		33	2	49
Typhoid	7	14	2	23
••				

TABLE 2.—WORK DONE BY MONTHS.

		Tuberculosis.	Typhoid.
April	31	5	- 0
May		1	2
June		3	0
July		2	0
August		$\bar{2}$	Ŏ
September		1	ő
October		ŝ	10
November		15	3
December		17	9
December	00	11	4
Total	4.41	40	 09
Total	441	49	23

TABLE 3.—DIPHTHERIA WORK CLASSIFIED.

For Diagnosis	Positive 68 60	Negative. 229 54	Unsatisfactory. 23 7	Total. 320 121
Total	128	283	30	441

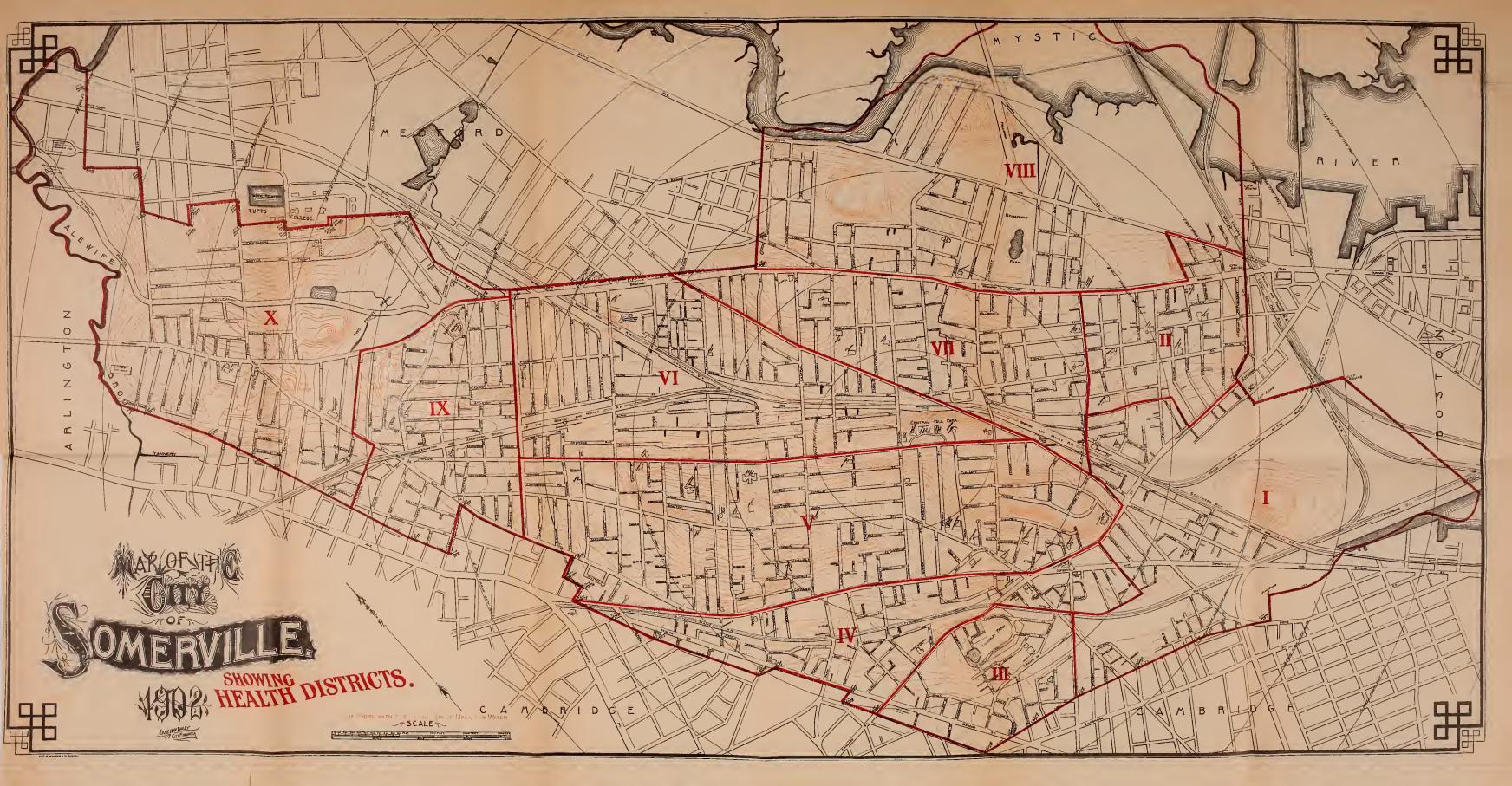
Districts.

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, 1901, has been obtained from the assessors' books.





22
<u> </u>
e
3
က္လ
=
1
S
jami e
=
-
711
5
S
3.
3
(-1
D
Ē
3
000
7
16
5
St
``.
G
Table of Deaths in Each District During the Last Ten Y
-
e
Years.
20

Avera	1892 1893 1894 1895 1896 1897 1897 1898 1899 1900			In 1901	١	Area	Districts
Average death rate per 1,000 for ten years		Year.	Average in each dwelling .	Dwellings	Population		cts .
} 19	139 161 187 157 29 156 19 168 29 168 29 168 29 134 17 133 17	Number of Deaths.	7.5	1,031	7,718	337 A.	I.
) 13	7 7 92 15 15 15 15 15 15 15 15 15 15 15 15 15	Number of Deaths. Rate per 1,000.	6.0	1,034	6,103	107 A.	II.
16	63 16 63 16 77 17 80 19 10 16 81 16 87 16 16 16 17 17 17 17 17 17 17 17 17 17 17 17 17 1	Number of Deaths. Rate per 1,000.	6.2	851	5,236	93 A.	III.
17	76 14 94 16 117 21 94 17 105 19 88 17 88 17 113 19 115 19	Number of Deaths. Rate per 1,000.	6.1	1,010	6,134	171 A.	IV.
17	184 16 188 18 188 17 189 16 170 15 170 15 175 14 178 15	Number of Deaths. Rate per 1,100.	.57 .57	2,137	11,736	361 A.	V.
17	66 67 68 68 67 68 68 68 68 68 68 68 68 68 68	Number of Deaths. Rate per 1,000.	5.5	1,221	6,706	285 A.	VI.
12	59 12 72 14 64 10 67 16 68 12 82 11 87 11 66 9 9	Number of Deaths. Rate per 1,000.	5.9	1,284	7,428	194 A.	VII.
14	27 19 23 11 19 24 11 19 24 11 11 11 11 11 11 11 11 11 11 11 11 11	Number of Deaths. Rate per 1,000.	5.6	612	3,390	482 A.	VIII.
11	44 26 27 27 28 29 29 20 20 20 20 20 20 20 20 20 20	Number of Deaths. Rate per 1,000.	రా. ట	944	4,953	174 A.	IX.
16	25 22 22 27 11 18 29 28 28 29 29 28 29 29 29 29 29 29 29 29 29 29 29 29 29	Number of Deaths. Rate per 1,000.	4.6	181	3,596	456 A.	×
15	823 16 823 16 823 16 823 16 823 16 823 16 823 16 880 15 880 15 881 13	Number of Deaths. Rate per 1,000.	υ. 8	10,908	63,000	2,660 A.	Entire City.

Table Showing the Five Principal Causes of Death in Somerville in 1901, with the Number and Rate in Each District.

	Tuberculosis.		Pneu	MONIA.		EART EASE.	Арорі	LEXY.	CANCER.		
DISTRICTS.	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. II. III. IV. VII. VIII. IX. X. V. VI	19 8 5 9 15 3 6 4 7	2.46 1.31 0.96 1.47 1.28 0.45 0.81 1.19 1.42 4.45	14 8 8 9 19 8 5 2 10 2	1.82 1.31 1.53 1.47 1.62 1.19 0.68 0.59 2.02 0.56	6 11 3 4 21 5 7 5 7 5	0.78 1.81 0.58 0.65 1.87 0.75 0.94 1.48 1.42 1.39	8 6 3 4 5 3 6 1 3 5	1.04 0.98 0.58 0.65 0.43 0.45 0.81 0.29 0.61 1.39	9 3 3 2 8 3 4 2 2 3	1.17 0.49 0.58 0.33 0.68 0.45 0.54 0.59 0.41	
Total	92	1.46	85	1,35	74	1.18	4.4	0.61	39	0.62	

Table of Scarlet Fever, Diphtheria and Typhoid Fever in Each District in 1901.

	SCARL	ET FEV	ER.	τ	Эгрнг	CHERIA	.	Typhoid Fever.			
Districts.	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	12 2 6 12 1 14 16 19 7 14 20 2 130 5	1.29 0.98 2.29 2.28 1.37 2.83 1.35 2.19 2.81 5.57	0,26 0.19 0.56 0.08	73 28 27 45 50 22 20 27 20 28 340	6 2 7 2 1 2 1 2 6	9.46 4.59 5.16 7.34 4.26 3.29 2.69 7.97 4.04 8.07	0.78 0.33 1.34 0.33 0.09 0.29 0.14 0.59 1.68	9 6 5 5 10 13 5 3 13 9	3 3 1 1 1 1 12	1.17 0.98 0.96 0.82 0.86 1.94 0.68 2.63 2.51	0.16 0.39 0.26 0.45 0.14 0.29 0.28

	Rates
	per
	Rates per Thousand of Population of Cases of Scarlet Fever, Diphtheria and Typl
)f I
and of De	Population
1112	n 0
s from	Cases
#	Of
e Same.	Scarlet
in the	Fever,
and of Deaths from the Same, in the Last Seven Years,	Diphtheria
Years	and
•	Typhoid Fever
	Reported,

City	×	IX	VIII	VII	VI	V	IV	III		I	Districts.	
$ \begin{cases} \text{Cases} & \dots & 4.12 \\ \text{Deaths} & \dots & 0.32 \end{cases} $	{ Cases 8.2 Deaths 0.4	{Cases 2.7 Deaths	Cases 4.5	Cases 2.81 Deaths 0.31	Cases 3.03 Deaths 0.19	{ Cases 4.1 Deaths 0.0	{ Cases 5.4 Deaths 0.7	Cases 5.32 Deaths 0.22	{ Cases 2.1 Deaths 0.1	Cases 4.47 Deaths 0.86	Scarlet Fever.	
2 4.68 1.16 2 0.81 0.19	.23 4.76 2.60 .43	77 2.49 1.65 0.28 0 28	.52 2.49 1.66	1 3.44 1.09 1 0.31	3 2.08 0.57 9 0.38	4.13 6.05 0.48 0.09 1.25 0.29	5.41 5.60 1.49 5.74 1.68 0.37	2 7.77 1.33 2 0.66	2.10 4.27 1.86 0.19 1.11 0.74	7 5.19 0.86 6 1.04	Diphtheria. Typhoid Fever.	1895.
2.53 7.68 1.57 0.09 0.96 0.46	6 43 6 03 3.22 0.41 0.81	1.77 3.54 2.78 0.25 0.51	8.44 11 00 2.93 0.38 1.83 1 10	3.45 6.87 1.05 0.15 0.75 0.45	2.84 7.18 1.00 0.67	2.24 6.09 1.16 0.72 0.72	2.14 7.32 1.97 1.25 0.36	1.49 5.97 1.07 0 21 0.43	0.72 10 73 1.61	1.12 11.96 1.40 0.28 2.25	Scarlet Fever. Diphtheria. Typhoid Fever.	1896.
7 2.72 5.51 0.86 6 0.11 0.76 0.19	1 0.04 2.43 0.36 1 0.69	8 1.69 4.56 0.72 1 0.28	3 4.51 4.19 1.61 0 0.64 0.32	5 2.01 7.55 1.02 5 0.88 0.14	0 2.71 7.05 0.95 0.17 0.95 0.17	6 1.42 3.27 0.62 2 0.09 0.35 0.18	7 3.34 3.51 1.04 6 0.71 1.17	3 3.77 6.27 0.42 3 0.21 1.05	3.36 7.07 0.53 2 0.18 0.53 0.36	0 4.29 8.74 1.39 0.28 1.53 0.42	Scarlet Fever. Diphtheria. Typhoid Fever.	1897.
6 1.33 1.23 0.90 9 0.17 0.18	6 1.90 0.32 1.90	2 0.70 0.93 1.63 0.23	1 2.80 1.25 0.62 52 0.31	2 1.14 2.41 0.85 4 0.43 0.43	0.93 1.08 0.77 7 0.15	2 1.38 0.69 1.04 8 0.17	1 69 1.01 0.84	1.39 2.19 0.36	3 0.85 1.36 1.02 6 0.17 0.34	89 1.35 1.08 0.40	Scarlet Fever. Diphtheria. Typhoid Fever.	1898.
2.62 2.45 1.22 0.05 0.18 0.25	1 88 2.19 1.88	3.95 3.26 2.79 0.23 0.47	1 22 2.49	1.54 1.96 2.09 0.14 0.56	3.59 2.34 1.72 0.16	3.31 1.74 0.97 0.18 0.35	3.21 3.04 1.01 0.34	1.99 5.09 0.39 0.59 0.39	2.04 2.04 0.85 0.51 0.34	9.40 2.43 0.81	Scarlet Fever. Diphtheria. Typhoid Fever.	1899.
3.73 8.39 1.16 0.11 0.79 0.15	5.45 7.75 0.58	3.71 6.81 1. 0.22 0.	4.53 6.99 0.6 0.30 0.8	2.73 4 78 0.96 0.27 0.27 0.14	2.55 8.99 0.89 0.59 0.15	4.13 5.08 0 0.69 0	4.75 15.88 2.13 0.49 1.15	3.66 10.22 2. 0.19 1.35	1.81 7.09 0. 0.16	4.69 11.98 1.17 0.13 1.30	Scarlet Fever. Diphtheria. Typhoid Fever.	1900.
6 2.07 5.39 1.24 5 0.08 0.46 0.19	5. 57 8.07 2.51 0.56 1.68 0.28	09 2.81 4.04 2.6	.30 2.19 7.97 0.88 .30 0.59 0.29	1.35 2.69 0.68 [4] 0.14 0.14	39 2.83 3.29 1.94 15 0.29 0.45	.95 1.37 4.26 0.86 .43 0.09 0.26	13 2.28 7.34 0.82 0.33	12 2.29 5.16 0.9 0.19 1.34 0.3	0.33 0.16	17 1.29 9.46 1.17 0.26 0.78	Scarlet Fever. Diphtheria. Typhoid Fever.	1901.
24 2.73 5.05 1.16 19 0.11 0.59 0.23	4.36 4.51 0.14 0.69	0.04 0.15 0.24	38 4.03 5.19 1.19 29 0.06 0.48 0.33	38 2.15 4.24 1.11 14 0.13 0.39 0.27	15 0.05 0.43 0.13	26 0.05 0.45 0.34	32 3.26 6.24 1.33 0.18 0.78 0.28	96 2.85 6.09 0.99 39 0.12 0.83 0.23	1.69 5.31 1.12 16 0.05 0.58 0.38	17 4.37 7.26 1.03 0.26 1.04 0.06	Scarlet Fever. Diphtheria. Typhoid Fever.	Av'age for Seven Yrs.

Undertakers.

Under the provisions of Section 7 of Chapter 437 of the Acts of the legislature for the year 1897, fourteen persons have been duly licensed as undertakers, and two petitions for such licenses refused.

Examiners of Plumbers.

The public statutes provide for a Board of Examiners of Plumbers, consisting of the Chairman of the Board of Health, the Inspector of Buildings, and an expert at plumbing, to be appointed by the Board of Health. This Board appointed of expert. The number of licenses granted will be found in the report of the Inspector of Buildings.

Health Department Account.

CREDIT.		
Appropriation	\$34,800 00	
Appropriation	1,100 00	
Ernest O. Raymond, expenses, smallpox	,	
case · · · · · · ·	437 47	
Permit fees to keep swine, goats, and collect		
grease	58 00	
Fees received from Milk Inspector	139 42	
Tom Costello, wages overpaid	12 00	
Total credit		\$36,546 89
DEBIT.		
Expenditures:—		
For Agent's Salary	\$1,200 00	
Salary of Superintendent of Collection	• /	
of Ashes and Offal	900 00	
Salary of Inspector of Animals and Pro-		
visions	600 00	
Salary of Inspector of Milk and	*^^	
Vinegar	500 00	
Salary of Bacteriologist	296 74	
Collection of ashes	11,743 19	
	$12,624 \ 00 \ 704 \ 00$	
Stable expenses	966 70	
Tools, and repairing same	182 56	
Harnesses and horse clothing	587 00	
Horses and horse doctoring	1,023 50	
Horseshoeing	622 78	
Hay and grain	3,882 44	
Vaccine virus	553 76	
Culture tubes and anti-toxin	20 00	
Burying dead animals	117 50	
Books, stationery, and printing	120 00	
Office expenses, Milk Inspector Bacteriological laboratory	122 42	
bacteriological laboratory	245 77	
Incidentals	552 73	
Amounts carried forward	\$37,565 09	\$36,546 89

Amounts brought forward Smallpox case, William Derrah . Smallpox case, Ernest O. Raymond Smallpox cases (to date), Pest House		\$37,565 09 615 22 902 16 79 20	\$36,546 89
Total debit			\$39,161 67
Amount overdrawn	•	•	\$2,614 78

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, 1902.

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

Gentlemen,—I submit the following report as inspector of animals and provisions for the year ending December 31, 1901.

Statement of animals killed during the year at the five slaughtering establishments in the city: John P. Squire & Co., Corporation, Medford street, 601,753 swine; North Packing & Provision Co., Medford street, 723,740 swine; New England Dressed Meat & Wool Co., Medford street, 320,527 sheep, 55,398 calves, 14,732 cattle, 134 swine; Sturtevant & Haley Beef & Supply Co., Somerville avenue, 4,761 cattle; Rachel Gunsenhiser, North street, 306 cattle, 69 calves; total number of animals slaughtered, 1,721,420. 26,467 sheep and lambs and 62,421 cattle have been quarantined at Somerville before shipment to Europe. Brighton, Watertown and Somerville are quarantine stations established by the State Board of Cattle Commissioners.

There are 185 cows, one sheep, and 70 swine kept in our city

for domestic purposes.

I have visited several stables where a large number of horses are kept, examined 896 animals where contagious disease was reported, and thoroughly cleansed all stables where horses were affected with contagious disease. Sixteen horses were quarantined, three of which were released, and the remaining thirteen were killed by order of the Cattle Commissioners as they proved to have contagious disease; thirteen additional horses were affected and were killed with the owners' consent; making twenty-six diseased horses killed during the year. I am glad to report that contagious disease among horses was less than in any other year since my term of office began.

Notices have been posted in all grocery and provision stores, calling attention to the provisions of law embodied in the following enactments, copies of which were included in the

notices:—

Acts of 1894, Chapter 491, Sections 15 and 16: in regard to

exposing for sale or selling articles of food unfit for use.

Acts of 1901, Chapter 391: An act relative to the Inspection and Branding of the Carcasses of Animals Slaughtered for Human Food.

Acts of 1897, Chapter 344: An act relative to the Adulteration of Food.

Acts of 1901, Chapter 396: An act relative to the Labeling of Certain Articles of Food and Drink.

There are 339 grocery and provision stores in the city, to which I have made 691 visits during the year, and I have also inspected 692 pedlers' carts from which fish and produce are sold.

I have posted in all bakeries a notice containing a copy of

Chapter 418 of the Acts of 1896, entitled, An Act relative to Bakeries and Persons Employed Therein, and have inspected the premises at least once every month. There are thirty bakeries in this city, many of which were in poor condition; but since the beginning of the monthly inspection their condition has been

very much improved.

I have inspected, condemned, and caused to be destroyed 25 cattle, 465 pounds of beef, 31 calves, 33 livers, 6 kidneys, 9 sheep, 8 lambs, 36 pounds of mutton, 5 swine, 394 pounds of pork, 482 pounds of fowl, 1,601 pounds of fish, 63 salt mackerel, 890 fresh mackerel, 183 herring, 80 dozen smelts, 66 alewives, 22 lobsters, 2 quarts of oysters, 3 quarts of clams, 210 cabbages, 2 barrels potatoes, one barrel of greens, one bushel of greens, 3 bushel of string beans, 73 bunches of asparagus, 13 crates of tomatoes, 12 watermelons, 117 quarts of strawberries, 390 bananas, 7 barrels of apples, 17 boxes of oranges, 8 dozen oranges.

As agent of the Society for the Prevention of Cruelty to Animals I have investigated 224 cases, and as a result of such investigation have caused to be killed seventeen horses, thirty-seven dogs and fifty-nine cats, and have found good homes for four

stray dogs.

Respectfully,

Charles M. Berry, Inspector.

REPORT OF INSPECTOR OF MILK AND VINEGAR.

Office of Inspector of Milk and Vinegar, 310 Broadway, Somerville, January 6, 1902.

To the Board of Health:-

I herewith respectfully submit my report for the year ending December 31, 1901.

The work in this department has been much the same as in the previous year. I have added some improved chemical apparatus, and an electric motor, which enables me to do better work

than I could by the old method.

I have collected and analyzed 720 samples of milk; 129 of these I found below the standard. Notices were sent to the parties from whom I took the samples, and in most cases their milk was brought up to standard at once.

Court Record.

Number of days spent in court		•	•	18 20
Fines Imposed.				
	•		\$90	00
			20	00
			50	00
One store, for selling poor milk			30	00
Two stores, for selling poor milk, \$5 each One store, for selling poor milk, placed on file.	٠	•	10	00
Two milkmen, putting preservative in milk, \$50 each			100	00
One milkman, watered milk			50	00
One milkman, no license, placed on file.				
Total fines imposed			\$350	00

I have collected for licenses and stamps, \$139.42, which amount I have paid to the City Treasurer. This added to the amount of fines makes a total of \$489.42 returned to the city through this office; deducted from the salary I received of \$500 makes a net cost of \$10.58 for salary.

I have collected and analyzed fifty samples of vinegar, most of which conformed to the standard. A few did not, and notices were given to the parties selling it. They promised to procure new vinegar and not sell any more of the poor. No cases were prosecuted.

I have had a good many samples brought to my office by private citizens who thought their supply of milk was not right. I

have analyzed all samples submitted and reported the results obtained to the several parties, for which I made no charge. That this work was very much appreciated by the citizens I am certain from the thanks which I received.

I have inspected ten butter wagons and practically all of the stores—over 300—where butter and milk are sold. As I reported last year, some of the places are filthy beyond description; and some rule should be made by which I can compel such parties

to keep butter and milk in a more cleanly manner.

Notices were sent to all milk dealers licensed last year to renew their licenses the first of May. I was in my office every day in May from 3 to 6.30 P. M. and 7.30 to 9 P. M., except Thursdays. There has been practically the same number engaged in the business as last year; some new ones have started and several of the old ones sold out.

We use about 7,650 gallons of milk a day in the city, and as much more is handled and put up here that is sold in Boston and Cambridge.

The average quality of milk for the year has been better than

it was the previous year.

Julius E. Richardson, Inspector of Milk and Vinegar.

SUPPORT OF POOR DEPARTMENT.

Board of Overseers of the Poor.

EDWARD B. WEST, President.

ALBERT W. EDMANDS, Vice-president.

HERBERT E. MERRILL.

Committees.

On Finance, Investigation and Relief, and City Home. — Mr. West Mr. Edmands, and Mr. Merrill.

Secretary.

CORA F. LEWIS.

General Agent.

CHARLES C. FOLSOM.

City Physician to September 7.

ARTHUR R. PERRY, M. D.

City Physician, September 7 to December 31.

ALVAH B. DEARBORN, M. D.

Warden and Matron "City Home."

MR. AND MRS. J. FOSTER COLQUHOUN.

Office.

City Hall Annex, Highland Avenue.

REPORT OF OVERSEERS OF THE POOR.

Office of the Overseers of the Poor. City Hall Annex, January 1, 1902.

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

Gentlemen,—We hereby submit to you our annual report

for the year 1901.

At the beginning of the year the Board of Overseers of the Poor made a careful estimate of what appropriation in their judgment would be necessary to meet the expenses of this department.

Their conclusion was that \$20,000.00 would be sufficient for the miscellaneous account. The above amount was reduced to \$19,000, and the rebates that we collected for the treatment of poor patients at the hospital, and which we had been credited with in years past, by recommendation of His Honor, the Mayor, and an order of the Board of Aldermen, were paid to the hospital. Thus we were handicapped, and of course it became necessary to ask for a transfer.

The Board would respectfully ask that in the future a sufficient sum be appropriated to meet the legitimate needs of the department.

We have given temporary aid to two hundred and ninetyone families during the year. The aid consisted largely in food
and fuel. We have found by investigation that in many cases
the destitution was caused by desertion by the husband and
father, he leaving his family without any provision whatever for
their support. We have given more aid to the above class of
cases, and to families where the head has been removed by death,
than to all others,—in fact, very few men have been out of work
who really wanted it, and who could be relied upon by their employers to do a fair day's work. We still find the rule of great
benefit that requires the man in the family being aided (if there
is one) to go to the City Home and do some work for the aid
rendered. In some cases it is almost impossible to have this rule
complied with, owing to the interference of those who understand more of the theory of charity giving than the real practical
side of the work.

Insane.

The number of insane cases having a settlement in this city has increased during the last year more than for any year since the city was incorporated. We have, December 31, in the several hospitals in the state, ninety persons, and in private families, one,

making a total of ninety-one, an increase of ten from last year. The laws for state support will go into effect in 1904.

Somerville Hospital.

Under the present arrangement with the hospital, the sick who are not able to pay for treatment are given permits by the City Physician, after their history has been obtained by our agent. This precaution is taken so that the proper notices can be sent to the state, or the city or town where the patient may be settled.

In cases of emergency, however, they are conveyed to the hospital immediately, and the facts as to the legal residence are

obtained from friends or relatives later.

One hundred and thirty-one persons were treated during 1901 on the city's account, time there amounting to 579 2-7 weeks. We collected from other cities, towns, and the state, \$1,388.12 for treating patients, which was turned over to the hospital. The procuring of histories, sending official notices within the time prescribed by law, visiting, and the extra book-keeping, all take time, but we are satisfied that the present arrangement is the best that can be made for the hospital, as well as for the city, and we gladly do all in our power to make this indispensable institution a source of comfort and a blessing to the poorer people in Somerville.

City Home.

The "Somerville City Home" has been in existence a little over two years, and has fully demonstrated the fact that it is a real home to those who have been sheltered under its hospitable roof. Mr. and Mrs. J. Foster Colquhoun, the warden and matron, have been in charge of the Home from the first, and their faithful services are appreciated by this Board. We are fortunate in having for a matron a lady who is not only competent to do the work incumbent upon her in her position, but is thoroughly qualified to kindly care for those who are sick, she being a trained nurse.

During the year some \$875.25 worth of vegetables has been sold from the farm. There have also been other incomes, in all

amounting to \$1,473.20.

The Board is planning to enlarge and extend the work so that a much larger amount will be produced during the coming year. Some new sash, covers, and mats have been purchased, also quite a large lot from Irving G. Russell by sanction of His Honor, the Mayor. These in addition to those bought last year make our outfit for this work all that could be desired in this direction.

The farm has been improved in various ways, and the buildings have been kept in good repair. We wish to call the atten-

tion of your Honor and the Board of Aldermen to the fact that the house is overcrowded. On the men's side every space is filled with a bed, and every bed occupied, and we have two applications on file now from men who wish to go to the Home.

The Board earnestly recommend that an ell be erected as soon as possible to relieve this overcrowded condition. This new part should be, in the judgment of the Board, about thirty by seventy feet—two stories high with pitch roof. This new part will be for the exclusive use of the men, and need not be a very expensive building. This will be all the additional room we shall require for many years.

When this much-needed building is supplied, a bathroom for the warden's family and the hired help can be provided. The absence of separate accommodations of this character for the family has been a source of great inconvenience and annoyance.

We wish again to call attention to the fact that a fire escape is very essential to the safety of the inmates, and we earnestly hope one will be constructed as soon as possible. The State Board of Charities call attention to above fact in their annual report on almshouses.

We wish to extend the thanks of the Board to your Honor and the Board of Aldermen of 1901 for the prompt recognition of our application for and need of a shed at the City Home. It

has proved of great benefit since it was completed.

The appropriation for the Home was \$4,000. We purchased permanent supplies and paid assessments to other departments amounting to nearly \$1,000. We also had an unexpended balance of \$350.77. We were able to do this only because a transfer of \$1,500 was made in the latter part of the year.

The Board wish to commend the faithful services of our general agent, who has been the executive officer of the Board since 1885, and the secretary, who has kept the books and done the writing in an accurate and satisfactory manner since 1893. We respectfully refer to the following tables for the details of our work.

We also enclose herewith the report of the Warden of the City Home to this department. It contains a more detailed account of the work done at the Home and on the farm. We ask to have it printed and bound with the report of the Board.

EDWARD B. WEST,
ALBERT W. EDMANDS,
HERBERT E. MERRILL,

Overseers

of the
Poor.

TABLE NO. 1.

Full S	upport	(Dur	ing	the	Yea	r).		
In our City Home (men In private families In Somerville Hospital			•		•			37 2 131
In hospitals for the sick in Massachusetts School Insane persons in private	for the 1	Feeb1	e-M	inde	đ		•	22 4 1
Insane persons in hospita	ils .		•		•	•	•	123
	TAB							
Full Support (at	_				mbe	r 31	, 190	
In Somerville City Home Insane in hospitals (we a Insane in private families In hospitals, sane .	re reimh	ursec	for	. 6)	•	•	•	23 91 1 12
oprimit, ourie						·		
Doutiel	TAB		_) alia	رع.		
	Suppor	•				1).		001
Families Persons aided	• •	•	•	•		•	•	291 1,423
Burials Permits to Tewksbury al:		•		•		•	•	12
Permits to Tewksbury al	mshouse			•	•	•	•	6
	TABI	LE N	ΙΟ.	4.				
	Reimb							
			111611	115.				42.100.00
Commonwealth of Massa City of Boston .			•	•	•	•	•	\$2,160 63 1,186 07
" " Cambridge			:	•	•	•	•	835 42
" " Chelsea .								4 25
" " Everett .					•	•	•	9 46
ran Kiver	•		•	•	•	•	•	35 00 3 25
" " Fitchburg " Gloucester		•	•	•	٠	•	•	32 65
					•	•		14 75
" " Lowell .								79 38
""Lynn .								62 50
		•	٠.	•	•	•	•	119 09
" " Marlboro .	•	•	•	•	•	•	•	54 10
mediord .	•	•	•	•	•	•	•	9 20 11 25
" " Taunton . " " Waltham .	•	•	•	•	•	•	•	84 18
" " Woburn .		·	:	•			•	128 98
" " Worcester		•						49 75
Town of Agawam .			•		•		•	12 86
" "Ashburnham		•	•	•	•	•	•	78 57
Derkiey .	•	•	•	•	•	•	•	41 43 8 10
" " Canton . " Dennis .	•	•	•	•	•	•	•	8 14
" " Hardwick			•	•	•	·	•	3 00
" "Lancaster					. •			3 60
" " Methuen .								4 00
" "North Andover						•	•	44 00
" Wakefield	•	•	•	•	•	•	•	79 65
Amount carried forwar	·d .			•	•			\$5,163 26

Soldi	ers'	relie	E	t forward s, and indi for .	vid:	•	•				· ·	\$5,163 26 1,179 06 81 25 6 86 \$6,430 43	
TABLE NO. 5.													
Somerville Hospital.													
Cases Cases Mone	have have have so have have have have have have have have	ring s ring s ring rid I nervi reimb	settle settle no s Hosp lle ourse	ement in Sement in o ettlement in o ital by the control of the con	ther (chains C	erville cities argeablity fo	or to le to r pa	own Statien tien	s: ate) ts set he H	tled ir	1	131 38 26 67 \$5,000 00 1,388 13	
Т	otal	paid	to 1	the Hospit	a1						_	\$6,388 13	
Po	pula	ıtion		l Gross E		BLE N			3 to	1901	, In	ıclusive.	
***				Population							7	3:4	
Year			(Estimated)							1	Expenditures	
1883	•	•	•	27,000	•	•	•	•	•	•	•	\$15,959 80	
$\begin{array}{c} 1884 \\ 1885 \end{array}$	•	•	•	$28,000 \\ *29,992$	•	•	•	•	•	•	•	$17,272 52 \\ 16,430 32$	
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				46,900					•	•		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	•	3.6	,, .	•	фоо а			28,924 39	
1900	•		•	*61,643	{	Misce City I	Iome	,	,	28.83	}	29,226 45	
1901			•	62,500	{	City I				322.43	}	35,793 58	
*Ce	ens u s.				,	Orty 1	LUIII C	,	0,0	E TU)		

TABLE 7. Expenditures, in Detail, for the Year 1901.

	888 118 118 118 118 118 118 118 118 118	02
Total.	#4,719 1,991 1,991 1,053 1,053 1,219 1,325 1,700 1,700	\$27,783
Public Institutions.	\$2.947 64 3,043 54 41 79 3,808 48 143 50 504 22 3,301 68 557 38	\$15,043 45
Sundries.	143 246 113 40 113 40 113 40 128 20 20 20 20 20 20 20 20 20 20 20 20 20 20 2	\$789 05
Fuel.	\$192 70 126 39 196 92 	\$916 71
Salaries.	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	\$3,461 33
Burial.		\$150 00
Medicine.	\$\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	\$523 95
Boots and Shoes.	\$11 60 9 00 112 10 14 35 . 4 50 . 21 45 	8 80
Towns and Cities.	#5588 722 1411 85 14185 5 50 489 38 402 88	\$1,658 33
Groceries.	## 410 13 452 12 563 99 276 36 276 36 276 36 271 03 271 03 181 08 420 86	\$807 90 \$4,312 75
Board.	### 12	\$807.90
Dry Goods.	\$\\\ \frac{\pi}{4} \\ \ \frac{0}{2} \\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	\$30 75
1901.	January February March	Totals .

To this total amount should be added \$1,388.13 paid to the Somerville Hospital from miscellancous appropriation, making total expenditures \$29,171.15.

TABLE NO. 8.

Appropriation . Transfer Reimbursements .	•	•	•	•	•		9,000 4,000 6,430	00	
Total receipts Total expenditures						•		•	\$29,430 43 29,171 15
Balance unexpended Net expenditures .					•				\$259 28 22,740 72
		TAB	LE	NO.	9.				
Running I	Exp	enses	of	City	Hon	ne fo	r 19	01.	
Seeds	or r	ailroa	d fa	ires, e	etc.	•	•	•	\$111 37 1,354 38 80 49 37 10 1,497 93 63 06 68 52 456 82 34 63 73 08 69 13 33 22 14 91 72 41
									\$3,967 05
		(Crri	חודכ		١			

Commonwealth of Massachus	etts	(Be	oard)	\$6	00		
Board of sundry persons, etc				355	70		
Produce, etc., raised on farm				875	25		
Wood (for poor families)				226	25		
Cash for groceries returned				10	00		
						1,473	20
							_
						\$2,493	85

TABLE NO. 10.

Supplies on Hand at City Home December 31, 1901.

Groceries and provisions			 \$105 51
Clothing and boots and shoes			 223 20
Hay and grain			 42 25
Fertilizer and seed			 87 00
Wood			170 00
Vegetables as per list in Wa			

TABLE NO. 11.

Property at	the	Somerville	City	Home	January	1,	1902.
-------------	-----	------------	------	------	---------	----	-------

				•						
Land									\$31,200 00	
Land Buildings Three horses Two cows Eighteen pigs and h Twenty-five hens Wagons, carts, etc. Harnesses, blankets, Hay and grain Hot beds, sash, mat Fertilizer and seed Wood Groceries and provi Medicine Hardware geology for							·		6,400 00	
Thurs have	•	• •	•	•	•	•	•	•	0,400 00	
Inree norses .	•	• •	•	•	•	•	•	•	360 00	
Two cows .	•		•	•	•	•	•	•	95 00	
Eighteen pigs and h	ogs								97 00	
Twenty-five hens	Ü								15 00	
Western contracts	•	• •	•	•	•	•	•	•	444 00	
wagons, carts, etc.	•	• •	•	•	•	•	•	•	444 00	
Harnesses, blankets,	, etc.	•	•	•	•		•	•	160 16	
Hay and grain									42 25	
Flot heds sash mat	s etc								1,582 00	
Fortilizar and road	5, 000	•	•	•	•	•	•	•	87 00	
Terrifizer and seed	•	• •	•	•	•	•	•	•	170 00	
Wood	•		•	•	•		•	•	170 00	
Groceries and provi	sions			•					130 51	
Medicine									33 75	
Medicine Hardware, scales, fir Farm utensils .	• 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		han	h a t **	·	han	+ - +	+0	198 49	
Traidware, scales, in	le exi	ınguis	mer,	not w	vater	nea	ter, e	ις.,	150 45	
Farm utensils .	•		•	•	•	•	•	•	470 07	
Farm utensils . Kitchen utensils, cre Furniture and carpe Bedding . Clothing, boots and Vegetables (see Wan	ocker	v, etc.							335 00	
Furniture and carne	ts	•							561 55	
Padding	LS	• •	•	•	•	•	•	•	328 87	
Dedding	• ,	• •	•	•	•	•	•	•	020 01	
Clothing, boots and	shoe	S .	. •	•	•	•	•	•	223 20	
Vegetables (see War	rden's	repor	:t).							
\$42,933 85 TABLE NO. 12.										
b							,		, ,	
b		apitul	ation	(Cit	ty H				, ,	
Appropriation		apitul	ation	(Cit	ty H			00		
Appropriation		apitul	ation	(Cit	ty H			00		
Appropriation Transfer		apitul	ation	(Cit	ty H			00		
Appropriation Transfer Reimbursements		apitul	ation	(Cit	ty H			00 00 20		
Appropriation Transfer Reimbursements		apitul	ation	(Cit	ty H			00 00 20		
	• •	apitul	atior	(Cit	ty H			00 00 20		
	• •	apitul	atior	(Cit	ty H			00 00 20	\$6,973 20	
Appropriation Transfer Reimbursements Total receipts Total expenditures	• •	apitul	atior	(Cit	ty H			00 00 20		
Total receipts Total expenditures	•		ation	(Cit	ty H	-	\$4,000 1,500 1,473	20	\$6,973 20 6,622 43	
Total receipts Total expenditures	•		ation	(Cit	ty H	-	\$4,000 1,500 1,473	20	\$6,973 20 6,622 43	
Total receipts Total expenditures	•		ation	(Cit	ty H	-	\$4,000 1,500 1,473	20	\$6,973 20 6,622 43	
	•		ation	(Cit	ty H	-	\$4,000 1,500 1,473	20	\$6,973 20	
Total receipts Total expenditures	•		ation	(Cit	ty H	-	\$4,000 1,500 1,473	20	\$6,973 20 6,622 43	
Total receipts Total expenditures	•	apitul	atior	: (Cit	ty H	-	\$4,000 1,500 1,473	20	\$6,973 20 6,622 43	
Total receipts Total expenditures Balance unexpended Net expenditures		apitul	ation	. (Cit	ty H : : : : : : : : : : : : : : : : : : :		\$4,000 1,500 1,473	20	\$6,973 20 6,622 43	
Total receipts Total expenditures Balance unexpended Net expenditures		apitul	ation	. (Cit	ty H : : : : : : : : : : : : : : : : : : :		\$4,000 1,500 1,473	20	\$6,973 20 6,622 43	
Total receipts Total expenditures Balance unexpended Net expenditures	Reiml	TA	ation	NO.	13.		\$4,000 1,500 1,473	20	\$6,973 20 6,622 43 	
Total receipts Total expenditures Balance unexpended Net expenditures	Reiml	TA	ation	NO.	13.	·	\$4,000 1,500 1,473 		\$6,973 20 6,622 43 \$350 77 5,149 23	
Total receipts Total expenditures Balance unexpended Net expenditures	Reiml	TA	ation	NO.	13.	·	\$4,000 1,500 1,473 		\$6,973 20 6,622 43 \$350 77 5,149 23	
Total receipts Total expenditures Balance unexpended Net expenditures	Reiml	TA	ation	NO.	13.	·	\$4,000 1,500 1,473 		\$6,973 20 6,622 43 \$350 77 5,149 23	
Total receipts Total expenditures Balance unexpended Net expenditures	Reiml	TA	ation	NO.	13.	·	\$4,000 1,500 1,473 		\$6,973 20 6,622 43 \$350 77 5,149 23	
Total receipts Total expenditures Balance unexpended Net expenditures	Reiml	TA	ation	NO.	13.	·	\$4,000 1,500 1,473 		\$6,973 20 6,622 43 \$350 77 5,149 23	

\$1,473 20

REPORT OF WARDEN OF CITY HOME.

CITY HOME, January 1, 1902.

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, 1901:—

Owing to grading the lawns and the wet, backward spring, we were put to great inconvenience in cultivating our lowlands near the marsh, but we hope for better conditions during the coming season.

During the past year the Irving Russell estate was purchased and added to the farm. About one acre of the marsh land was broken up and prepared, which, with the Russell estate, will give us about three acres additional of tillable land.

The new shed built during the year gives ample storage for our farm wagons, and also provides shelter for the men who pre-

pare the wood which is delivered to the outside poor.

The wash house for preparing vegetables for the market is now complete, having been heated and provided with hot and cold water, which will make quite a saving in time and labor.

The grain room has been remodeled to accommodate two

cows, the old cow stall being used for an extra farm horse.

Electric lights have been placed in the barn, wash house, wagon shed, and root cellar.

A cupola with weather vane has been built which adds

greatly to the appearance of the barn.

A new board walk for winter use has been laid from the street to the side entrance of the Home.

The following repairs have been made during the year, the

only expense being the cost of material:-

The Warden's dining-room walls and woodwork painted and ceiling whitened, the side entrance corridor walls painted, and woodwork painted and grained.

The kitchen, inmates' dining room, men's bathroom, women's bathroom, men's sitting room, and corridor, walls

painted and ceilings whitened.

A retaining wall sixty feet by four feet has been built in the rear of the barn which acts as a foundation wall for the wagon shed.

A door has been cut in the brick partition wall between the barn cellar and root cellar.

A retaining wall forty-one feet by five feet has been built on the west side of the barn to protect the root cellar from the extreme cold weather. A harness and tool room has been built on the west side of the barn, the box stall having been used temporarily for harness and tools.

Recommendations.

An addition for men should be built this year, as the Home is overcrowded beyond the limits required by the state, and no space left to set up another bed.

A system of ventilation should be provided for the men's dormitory, as the existing conditions are not what they should be.

Some action should be taken at once to provide a private bathroom for the Warden's family.

Inmates of "Home."

Number of weeks' board	995 2-7
Number males admitted during 1901	17
Number females admitted during 1901 .	9
Number males discharged during 1901 .	12
Number females discharged during 1901 .	5
Number males supported during 1901 .	25
Number females supported during 1901 .	11
Number died during 1901	2
Number inmates in home January 1, 1902	23

Products of Farm.

The following is the amount of produce raised on the farm during the past year, but which does not include the abundant quantity of vegetables used in the Home:—

25,000 roots of celery; 8,006 cucumbers; 7,092 heads of lettuce; 3,268 bunches of radishes; 1,785 bunches of beets; 35 bushels of beets; 1,728 bunches of carrots; 42 bushels of carrots; 1,002 bunches of onions; 54 bushels of onions; 330 bushels of dandelions; 46 bushels of turnips; 14 bushels of parsnips; 259 bushel of tomatoes; 87 bushels of spinach; 140 barrels of cabbage; 10 barrels of squash; 662 crook-neck squash; 2 barrels of apples.

The following produce remained on hand January 1, 1902:—
16,000 roots of celery; 18 bushels of beets; 38 bushels of turnips; 28 bushels of carrots; 6 bushels of onions; 30 barrels of cabbage; 4 barrels of squash; 3-4 ton of loose hay; 1 ton of marsh hay.

Very respectfully,

J. Foster Colquhoun,

Warden.

REPORT OF THE CITY PHYSICIAN.

Office of the City Physician. \ January 1, 1902.

To His Honor, the Mayor, and the Board of Aldermen:—

Gentlemen,—Having been appointed City Physician September 6, 1901, I assumed the duties of the office at once. The following is a summary of the work I have performed to Decem-

ber 31, 1901:—

Three hundred and seventy-nine visits have been made. Two hundred and ten persons were treated at my office. Five hundred and thirty-three persons were vaccinated. Eighteen persons have had teeth extracted. Five women were attended in childbirth. Number of visits at the police station, seven. Sixteen persons were examined for permanent men in the Fire De-

partment.

The first case of smallpox which appeared in the city was discovered November 21. The patient was removed at once to the smallpox hospital. There have been four other cases. I attended them as City Physician until December 4, when I appointed Dr. Leonard H. Pote as an assistant, and from that time he has attended, under my direction, the smallpox cases. He has performed his duties faithfully and to the satisfaction of all concerned. No fact is better established than that a recent successful vaccination is a perfect protection from smallpox; therefore, it is very important that all who have not been recently successfully vaccinated should be vaccinated at once. The Board of Health is doing all within its power to prevent the spread of the dreaded disease, and it is a duty incumbent upon all citizens of Somerville to promptly comply with its requests, and thus aid the Board in accomplishing its purpose.

The City Physician, in his examinations of candidates for the Police and Fire Departments, has no means of testing the strength of the applicants, which, I think, very important. I therefore recommend that apparatus for that purpose be fur-

nished. Respectfully submitted,

ALVAH B. DEARBORN,
City Physician.

REPORT OF THE CITY ENGINEER.

Office of the City Engineer, City Hall, Somerville, January 25, 1902.

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, 1901, by the departments under my charge and supervision, including Engineering, Sewers, Public Grounds, and other public works, is herewith presented.

ENGINEERING DEPARTMENT.

In the report of 1900 the duties of the City Engineer under the new charter and ordinances were described; the varied lines of work carried on by the Engineering department being practically connected with every other department in the designing or constructing of some portion of the city's work before completion.

The different departments have carried through to completion during the year work contemplated for some time past.

The laying of double tracks in Cross street by the Boston Elevated Railway Company necessitated the paving of this cross-town street from curb to curb on account of the traffic. 7,289.6 square yards of asphalt pavement were laid by the Barber Asphalt Company, under a ten years' guarantee, extending between Broadway and Tufts street, the railroad company paying about three-fifths of the cost of this surfacing. A Portland cement base, six inches thick, was laid as a foundation for the asphalt surfacing; the work of resetting the edgestone and relaying the brick sidewalks was done by the city. At the junction of Cross and Medford streets, 498 square feet of land were purchased by the railroad company and turned over to the city for the purpose of enlarging Central square sufficiently to enable the laying of double tracks on this sharp curve.

About 3,000 feet of street railway tracks have been laid the past year, making a total of twenty-nine and one-third miles of

electric railway tracks within the city limits.

Lines and grades have been given and assessments computed during the year for the construction of 4.357 miles of

edgestone and 2.793 miles of brick and granolithic sidewalks; the average cost for setting the edgestone was eighty-two cents per linear foot and the laying of brick sidewalk ninety cents per square yard. In laying granolithic sidewalk the city has assumed what would be paid if a brick walk had been laid and the abutting owners the remainder; also lines and grades have been given for the resetting of 9,000 linear feet of edgestone on old sidewalks, The total lengths of sidewalks in the city are respectively: Edgestone, 90.447 miles, and brick, 57.838 miles.

Thirteen streets have been accepted during the year under the betterment act, an aggregate length of one and twelvehundredths miles. A portion of these streets have been graded and macadamized, but no assessments levied.

Stone bounds should be set at all intersections whenever these new streets are laid out, so that the lines and angle points may be accurately defined and preserved for future reference.

This important matter has been neglected for many years.

Under the revised ordinances, all plans for the acceptance of streets as public ways are made by the city engineer's department, and the expense charged to the property owners on the street. This has been satisfactory to both the abutters on the street and the city, as the lines and grades are agreed upon with no misunderstanding, incorrect plans do not have to be made over, all the data for establishing the acceptance lines and grades are on record in the office, and the expense is less to the property owners.

Streets Accepted in 1901, and to Be Constructed under the Betterment Act.

-					
Name of Street.	WARD.	From	То	Width in Feet.	Length in Feet.
Columbus ave . Conwell Elmwood Fremont Gilman ter Gordonia road now Hancock st Hammond	3 6 7 5 4 6 2 6 7 6 5 4 7	Windham road. Highland ave Holland st Main st Pearl st Summer st Dickinson st Beacon st Kidder ave Cedar st Highland Ave Grant st B. & L. R. R	Northwesterly . Southwesterly . Cambridge line . Meacham st . Northeasterly . Highland ave . Concord ave . Cambridge line . Northeasterly . Hancock st . B. & L. R. R Temple st . Kingston st .	40 40 40 40 40 40 40 40 40 40	73 363 1,057 612 360 521 267 164 331 727 660 679 115
Total			(1.12 miles)		5,929

Length of Accepted Streets in Each Ward.

***									Miles
Ward One									8.500
Ward Two									7.032
Ward Three									
									6.115
Ward Four	•	•	•		•				8.068
Ward Five		•						.]	10.152
Ward Six .									0.297
Ward Seven									
ward beven	•	•	•	•	•		•		12.924
70 . 11									
Total length	of ac	cepto	ed st	reets	in th	e city		. 6	3.088

Grades have been given for relaying 3,836 square yards of the old granite block paving in Union square; this work will last for a few years, but the square eventually should be laid with a less noisy and less dusty pavement, the prepared wooden block paving, similar to that just laid on Harvard bridge. A pavement of this kind, cleaned during the night and properly cared for, would give the business section of this square what is desirable; and in other sections of the city a bituminous macadam could be laid to advantage, both as a wearing surface and as to cost.

A number of street names have been changed during the year, new streets numbered, and various old streets re-numbered. All buildings throughout the entire city were numbered previous to May first for the benefit of the assessors' department.

The total length of public streets in the city amounts to

63.088 miles and private streets 28.822 miles.

Lines and grades have been given for laying over three miles of new water mains, and all hydrants, gates, and water services accurately located and recorded in this office for future reference.

All plans filed at the Registry of Deeds, East Cambridge, showing property in Somerville, have been copied and indexed, and abstracts made from all deeds where assessments have been levied for sewers and sidewalks constructed and streets accepted.

Eight granite tablets, suitably inscribed, have been made and are to be erected in different parts of the city to mark historical

points of interest.

A set of block plans could be made of the entire city from accurate surveys made during the past twenty-five years and compared, section by section, with the deed dimensions and areas recorded in the Assessors' Department, and in this manner the correct areas of land always determined; this set of plans would also be of value to the water department and various other city departments, and would more than pay for the cost of making.

Grade Crossings and Bridges.—Nothing definite has been decided on the question of abolition of grade crossings on the line of the Fitchburg division in this city, as the best means of separating the present grades of the different railroads and the city's street at Somerville avenue has not been determined, it in-

volving the question of possible grade changes of the Lowell division of the Boston & Maine railroad, as well as the Grand Junction railroad in Cambridge. But the matter of abolishing the crossings between Webster avenue and Beacon street could be carried on in the mean time, if it was so decided, as this work can be treated wholly independent of the other grade crossings.

On the line of the Boston & Lowell division, two old bridges should be rebuilt immediately, namely, at School street and Sycamore street, and some conclusion should be arrived at with the Boston & Maine railroad corporation as to the construction of a new bridge at Lowell street, a most important crossing in the centre of our city, and eventually will be one of the principal cross-town streets.

Plans have been made which contemplate constructing a new pile bridge with a paved roadway over Mystic river just west of the Middlesex avenue bridge. This new structure is to be built under the direction of the Metropolitan Park Commission, and will be used jointly for boulevard travel and teaming purposes. Somerville has proposed the changing of the present established pier, or building line, shortening the length of the bridge, improving the river front and filling in the mud flats; at the same time it is proposed to widen the Fellsway drive on the westerly side, about seventy-two feet, which will make a broad approach to the new bridge.

Record plans have been made of all new work constructed in the city during the year, and many plans, estimates, etc., made for committees as required.

for committees as required.	
Statement of Expense, 1901, Engine	er's Department.
Salary City Engineer (including mainte-	40.000
nance of team)	\$2,800 00
Salaries of assistants	8,238 77
Stakes, tools, and general supplies (outside	
work)	199 43
Draughting materials and office supplies	
(inside work)	237 34
Car fares	216 30
Telephone and incidentals	59 49
relephone and incidentals	39 49
Total and diturn in the descriptions	#11 771 99
Total expenditure in the department .	\$11,751 33
Appropriation	\$11,900 00
Credit by amount received for making ac-	
ceptance plans	125 00
	12,025 00
Balance unexpended	\$273 67
C1:6:4:6 F3114	
Classification of Expenditures, Assis	stants' Salaries.
Sewers—comprising surveys, estimates, pro-	

files, lines, grades, titles, plans, assessments, and all engineering work relating to sewers \$2,597 36

Amount carried forward \$2,597 36

Amount brought forward	\$2,597	3 6	
titles, profiles, lines and grades, and all other engineering relating to the	805	79	
Sidewalks—comprising profiles, lines, grades, measurements, titles, costs,			
and assessments	837	95	
water department Public Grounds—comprising surveys, plans, estimates, profiles, and grades, includ-	398	88	
ing laying out of parks and grounds. Public Buildings—comprising surveys, estimates, lines, grades, and other work	293	19	
relating to construction Street Numbering—comprising locations of buildings, plans, and affixing street	43	86	
numbers on houses Street Lines and Grades—comprising establishing of lines, grades, and miscella-	249	82	
neous data given parties for building and grading	207	30	1.
plans and abstracts from deeds filed, and examination of titles City Survey—comprising lines, angles, and measurements, calculations of trav-	101	53	
erses, and locations of division lines and buildings	714	78	
veys, calculations, taking of land plans, construction plans, profiles, deeds, and general engineering work		90	
in laying out and constructing Railway, Telephone, Electric Light, and Gas Light Companies—comprising grades, plans, profiles, and office notes, loca-	636	50	
tions of poles and conduits Office Work—comprising records of all locations, indexing, typewriting, calcu-	39	01	
lations, and general draughting. Miscellaneous Work—comprising preliminary surveys, designs, sketches, etc., relating to various schemes for differ-	842	39	
ent committees	132 338		
Total			\$8,238 77 during the
Office Records and Value of	Instrume	ents.	
Number of survey note books, sewer permit			
books, and deed books		230	
Number of plans, including sewers, highways. parks, house lots, etc	6,	000	
Value of field instruments, tools, and office instruments	\$1,400	00	

	WARD. SIDE.				W		RIALS.		PAVED (GUTTERS.
Street.	WARD.	Side.	From	То	WIDTH OF SIDEWALK IN FEET.	Gravel and Edgestones. Lineal feet.	Bricks. Sq. Yards.	TOTAL COST.	Sq. Yards.	Cost.
Adrian	2257246567 7 76764461176441 1 65566 5 5 2557155774 5 77547667	Northerly Southwesterly Northwesterly Southeasterly Both Southeasterly Both Southeasterly Southeasterly Southeasterly Southeasterly Northeasterly Southeasterly Southeasterly Southeasterly Both (where not already set) Southwesterly Both (where not already set) Southwesterly Southwesterly Southeasterly Southeasterly Southwesterly Southwesterly Southwesterly Southwesterly Southwesterly Southwesterly Southwesterly Southeasterly Northwesterly Southeasterly Northwesterly Southeasterly Southeas	Joseph st. Estate No. 36 Highland ave. Broadway Washington st. Veazie st. Lowell st. Central st. Central st. Park ave. College avenue and Russell st. Highland ave. Cutter ave. Central st. Temple st. Broadway Craigie st. Broadway Craigie st. Broadway College ave. Tower st. Pearl st. Fearl st. Fearl st. Estate of City of Somerville Joy st. Elm st. Highland ave. Highland ave. Highland ave. Highland ave. Somerville ave. Wilton st. Bingham school Wilton st. Bingham school Somerville ave. Wilton st. Bingham school Somerville ave. Wilton st. Bingham school Somerville ave. Mystic st. Medford st. Broadway Orchard st. Cambridge line Marshall st. Medford st. Holland st. Broadway Elm st. Gordonia road Grove st.	Marion st. Cooney st	6.67 11.00 6.67 6.67 6.67 6.67 6.67 6.67 6.67 6	281.3 271.0 466.6 	402.9 441.0	\$327 60 483 86 285 91 220 53 344 86 172 10 817 08 432 83 276 71 328 62 230 36 190 19 322 83 136 81 485 05 748 41 663 20 829 05 354 18 93 37 1,584 11 165 86 540 17 218 91 72 10 155 50 799 24 339 88 321 43 1,180 88 949 35 393 99 1,253 04 1,111 90 131 42 116 29 817 95 827 88 643 44 473 06 614 13 132 20 538 14 595 51 249 10 317 66 427 65 244 35 325 39 336 08 982 09 187 51	94 90 155 99 131 55 87 59 92 276 250 340 95 19 172 219 90 132 127 420 407 170 521 487 30 351 164 231 162 156 257 113 148 186 257 113 148 186 129 108 391 84	\$114 63 145 43 150 35 120 35 335 90 45 30 135 33 78 58 135 07 351 70 384 37 637 37 92 40 31 40 204 55 281 54 124 55 1,411 97 285 97 901 31 580 60 603 12 278 00 361 06 208 69 263 80 318 50 144 09 145 39 204 02 180 25 191 20 192 10 193 14 194 195 195 195 195 195 195 195 195 195 195 195

Total assessment, \$12,393.39. Net cost to city, \$12,393.37.

Concrete sidewalk.
 Brick with grass strip.
 29.8 ft. set previous to 1901.

Length of Edgestone and Brick Sidewalk in Each Ward.

		0		-		.0-	010	 ******	Direct Stat Water III Laci	t yraius
									Edgestone.	Brick.
Ward	One								14.582 miles.	11.478 miles.
Ward	Two								9.146 miles.	3.867 miles.
Ward	Three	:							12.331 miles.	11.143 miles.
Ward	Four								11.981 miles.	8.102 miles.
Ward	Five								12.786 miles.	8.994 miles.
Ward	Six								15.477 miles.	7.614 miles.
Ward	Seven	ι					·		14.144 miles.	6.640 miles.
Tot	al leng	th:	s ir	ı tl	ne o	city			90.447 miles.	57.838 miles.



SEWER DEPARTMENT.

Considerable was accomplished during the past year in the matter of procuring permanent drainage rights in property belonging to the Boston & Maine railroad corporation, two important agreements between the city and railroad company having been signed, which have been in an unsatisfactory state for a number of years past.

One a matter of a large expenditure by the railroad company in constructing for the city a permanent outlet across marsh land east of Middlesex avenue into Mystic river for the purpose of draining storm water in the eastern district of the city; probably this outlet will be constructed during the coming year.

The other location obtained is along the northeasterly side of the Lexington & Arlington branch division of the Boston & Maine railroad, between Holland street and Willow avenue, where the city has been permitted to construct a large storm water relief drain. This circular structure, thirty inches and twenty-four inches in diameter, respectively, has been completed its entire length, about one-half a mile, and overflow connections constructed at various points with the overcharged drainage system in this section, and will give relief to many cellars that have been badly flooded in times of storms, especially along Morrison avenue and vicinity.

The "Tannery Brook Drain" outlet in the city of Cambridge has been improved and extended through private lands, by agreement with the respective owners, thereby completing a portion of the work commenced in 1896 for draining a large area in the westerly part of the city and settling a disputed question of water

rights on the line of the old brook.

The Cedar-street sewer has been enlarged for storm drainage purposes between Sartwell avenue and Highland avenue, to prevent the flooding of cellars along this line. The top of the old 24-inch sewer was removed and a new arch constructed of larger dimensions increasing the capacity sufficiently to carry off all storm water. In connection with this re-construction two parallel pipe sewers were laid and the house drains connected in the low section of the street to prevent any backing up of sewage during heavy storms; these 8-inch pipe sewers can be used in the future for "separate system" sewers.

A 24-inch pipe drain has been laid in Somerville avenue, between Belmont street and Lowell street, with which all catch basins between these points have been connected, and the street water carried off in times of storms, relieving the flooding experienced heretofore on account of the old sewer being of insufficient

capacity.

The length of storm drains constructed during the year was 4,676.2 feet, and cost \$17,423.97, and the following table shows the locations:—

CITY OF SOMERVILLE ENLARGEMENT

CEDAR STREET SEWER (OF OLD)

CITY ENGINEER

ERNEST W BAILEY

NEW STORM DRAIN AND HOUSE SEWERS

	LOCATION.										ITE	MS OF	CONST	RUCTI	ON AND	COST	Г.							
			ł.			Se	VER.	Sub-1	DRAIN.	çk	ပ		holes.			PIPE S	Sewer, C	Cost PER	LINEAL	Foot.				
Name of Street.	From	То	CONTRACTOR.	Material Excavated.	Average Cut.	Size in inches.	Length in feet.	Size in inches.	Length in feet.	Cubic yards Ro Excavation.	Price per cubic yard, Rock.	Manholes.	Average Cost Manl	Inlets	Excavating filling, Pipe Lay	g, Re- and ying.	Pipe, including Sub-drain where laid.	Inspection.	Miscellaneous.	Lumber.	Average cost per lineal foot.	Total cost.	Assessment,	Cost to City.
Calvin st	Dimick st	Near Beacon st	Patrick Burke	Gravel	9.0	10	192.9					1	\$38.25	15	\$0.55		\$0 17	\$0.03	\$0.02		\$0.97	\$188.45	\$183.91	
Cedar st. (parallel sewers)	Sartwell ave	North of Hall st	City Labor	Clay, rock, and hardpan	8.8	8	1812.3							72				· į			1.00	1,812.00		\$4.54
*Columbia st	Webster ave	Near City line	Richard Falvey	Clay and filling	7.4	8	797.6	5	114.0			3	44,08	62	.53	.15	.15	.05	.05	}	.96	769.81		1,812.00
*Dane st. (east side)	Washington st	Fitchburg railroad .	Charles A. Mongan .	Sand	7.0	8	729.2			1.33	\$4.06	1	45.25	27	.70		.14	.04	.04		1.00	726.80		769.81
*Dane st. (west side)	Washington st	Tyler st	Charles A. Kelley	Sand	6.7	8	997.3					3	49,69	33	1,10		.13	.04	.03	.01	1.46	1,450,58		726,80
Dimick st	Calvin st	Waldo ave	Patrick Burke	Hardpan and clay .	8.4	12	226.0					1	38,25	16	.53							_,,_		1,450.58
	Waldo ave	Near Buckingham st	Patrick Burke	Hardpan and clay .	8.4	8	101.1							6	.53)	.21	.05		•••••	.90	296,25	291.86	4.39
Fosket st	Sewer built in 1896 .	Near Liberty ave	Daniel A. Dorey	Hardpan and rock .	7,6	10	403.5			228,2	4.00	2	35.25	22	.25		.18	.11	.01		2.10	1,208.48	697,49	***
Gibbens st	Benton road	Westerly	Charles A. Mongan .	Clay	7.6	10	121.5					1	34,25	4	.33		.19	.07	.12		.90	119.53	112.21	510.99
*Hanson st. (east side)	Washington st	Skehan st	Maurice Buttimer	Sand	11.0	8	476.4					2	48.25	27	.85		.12	.04	.07	.01	1.29	613.94		7.32
Henderson st	Wilton st	Boston and Lowell R.R.	Bartholomew Burke .	Hardpan and filling .	7.3	8	140.5					†1	1.00	5	.39		.13	.07	.01		.60	83,84	48.98	613.94
Lowell st	Somerville ave	Kimball st	Charles A. Kelley	Hardpan and rock .	6.1	12	593.0			140.0	3.85	2	39.25	35	.35		.24	.04	.01		1.68	997.04	744.22	34.86
*Meacham st	Moreland st	Near Fremont st	Bartholomew Burke .	Hardpau and rock .	8.9	8	206.0			82.4	3,20	1	33,25	11	,36		.13	.05	.09		2.07	426.09	190.79	252.82
*Norfolk st. (both sides)	Webster ave	Near City line	Richard Falvey	Clay and filling	7.2	8	601.4					2	36.75	27	.59		.16	.04	.01		.92	551.73		235.30
No. Union st. (Met. Con.)	Metropolitan Sewer .	End of North Union st.	Chas. E. Trumbull & Co.	Clay	11.0	18	110.2			1.0	3.50	Regu- lutor Chamb'r	1333.25		2,27		.68				2,99	1,662.29		551.73
Powder House terrace	Kidder ave	Northerly	Richard Falvey	Hardpan and rock .	8.3	10	257.8			20.5	3.50	1	36,25	15	.39							,	•••••	1,662.29
	End of above	Nathan Tufts Park .	Richard Falvey	Hardpan and rock .	8.3	8	120.0							7	.41		.17	.03	.02		.90	342.24	340.35	1.89
‡Private lands (at city stable) .	Sewer built in 1894 .	Near Broadway	Bartholomew Burke .	Filling	6.6	8	431.1					1		8	l '							Part. 106.71		106.71
*Somerville ave	Prospect st	Linden st	Charles A. Kelley	Sand	12.0	12	475.8	5	445.4			2	52.28	15	1,35	.15	1					200112		100.71
	Linden st	Merriam st	Charles A. Kelley	Sand	11.2	10	249.2	5	249.1			1	52,28	8	1.25	.15	.27	.07	.02	.82	2.75	3,472.17		3,472.17
	Merriam st	Malloy ct	Charles A. Kelley	Sand	10.2	8	538.8	5	419.9			1	52,28	22	1,20	.15						5,		0,112.11
*Tremont st	Webster ave	Near City line	Richard Falvey	Clay and filling	7.6	8	638.6					2	35.44	48	.63		.13	.03		.01	.91	583,79		583,79
Ware st	Curtis st	Westerly	Patrick Burke	Hardpan	7.9	8	410.0			3.9	2.70	2	36,75	23	.41		.14	.06	.03		.84	346.47	343,29	3.18
*Webster ave. (east side)	East Newton st	Near Union sq	Charles A. Kelley	Clay and sand	8.6	8	572,2			3.0	3.50	3	46.16	23	.84)				0120
	Webster ave. (east side)	Webster ave. (west side)	Charles A. Kelley	Clay	9.4	8	38.6								.85		.13	.03		.01	1.22	765.10		765.10
*Webster ave. (east side)	East Newton st	Near Columbia ct.	Charles A. Kelley	Clay, filling, and sand .	11.3	8	1039.6					3	45,25	26	1.35			9			1			
	Near Columbia court .	Near City line	Charles A. Kelley	Clay and filling	8.0	8	309.6					1	39.75	16	.55	• • • •	.13	.05	.06	.04	1.58	2,129.30		2,129.30
Total length and cost of new sewers built in 1901									\$2,953,10	\$15,699.51														

ITEMS OF CONSTRUCTION AND CO

^{*} Separate system sewers † Chimney at end of sewer. ‡ Built partly at petitioners' expense.

TABLE SHOWING LENGTH AND COST OF STORM DRAINS CONSTRUCTED TO 1902.

Date of Construction.	District Benefited.	From	То	Length in Feet.	Cost.
1900 1897	East Somerville District: Mystic and Winthrop aves. Mystic ave. Winthrop ave. Broadway.	Bell Mouth	Chamber	58.2 726.0 1,268.0	\$2,264 82 7,569 17 19,241 53
1898	Cross st	Broadway End of drain built 1897 Winthrop ave. Broadway Sargent ave.	Pearl st	1,877.5 25.7 1,648.6	15,741 27 755 67 14,566 77
1900 1899	Marshall st. Gilman sq. Medford st. School st. Richdale ave. Otis st.	Marshall st	Gilman sq	2,126.1 451.0 375.0	20,900 26 532 37 174 55
1896–'99	Lowell R. R. Valley District: Private lands west of Lowell st	Lex. and Arl. Br. R. R.	Hudson st	865.0	1,853 46
1898 1899 1901	Somerville Avenue District: (Union sq	Washington st	Bow st. Summer st. School st. Berkeley st. Lowell st. Highland ave.	2,080.8 438.0 705.0 1,178.7	18,259 94 981 90 1,432 96 4,189 58
1898-1901 1896 1898 1901	Tannery Brook Valley District: Tannery Brook drain (in Cambridge) Tannery Brook drain Cameron ave. Gorham st. Jay st. Day st. Lex. and Arl. Br. R. R. Cation	Near Alewife brook Clarendon ave. (in Camb.) . Tannery Brook drain Tannery Brook drain Tannery Brook drain	Clarendon ave. Davis sq. Northerly Northerly Northerly Westerly Willow and Morrison aves.	657.3 3,144.0 170.0 285.0 155.0 318.2 2,135.2	2,225 06 *31,942 76 115 72 196 24 87 38 360 90 10,031 61
Tota	l length and cost (3.92 miles)			20,688.3	\$ 153,423 92

^{*}Land damages excepted

TABLE SHOWING LENGTH AND COST OF SEPARATE SYSTEM SEWERS CONSTRUCTED TO 1902.

Date of Con-	Street.	. From.	То.	Length in Feet.	Cost by Years
1899	Adrian st. (both sides)	Joseph st	Marion st	1,203.2	
1896 1896	Ash ave	Meacham st	Northeasterly	302.0 288.5	1896 \$42,029 39
1900	Bay State ave.	Mallet st		448.5	\$42,029 59
1900	Bay State ave	Kidder ave	Northerly and southerly	518.5	
1899 1896	Bolton st. (both sides) Boston ave	Oak st	Houghton st	962.3 143.2	
1889	Bowdoin st	Washington st	South of Fremont ave	305.0	
1896 1896	Broadway	Boston ave	Willow ave	377.3 380.0	
1896	Broadway	Cedar st	Southeasterly Bay State ave.	. 370.5	
1897	Broadway	Willow ave	Bay State ave	480.5	
1898 1896	Broadway	Alewife brook	About 70 ft. S. E. Weston ave. Northeasterly	$1.847.1 \\ 532.0$	
1896	Cedar st	Broadway	Near B. and L. R. R	412.8	
1900 1896	Clark street and Lincoln park. College ave	Newton st	Washington st	1,149.6 477.9	1
1901	Columbia st	Webster ave	Near Cambridge line	797.6	1
1899 1899	Concord ave. (north side)	Newton st	Springfield st	553.8	1007
1899	Concord ave. (north side) . Concord ave. (south side) .	Prospect st	Near Concord sq	510.0 986.2	1897 \$573 78
1900	Conwell ave	North st	Near Curtis st	1,276.6	
1901 1901	Dane st. (east side) Dane st. (west side)	Washington st	Fitchburg R. R	729.2 997.3	
1899	Dickinson st. (both sides)	Springfield st	Near Camb. line	1,437.4	
1896 1896	East Albion st	Ash ave	Medford line	648.5	
1898	Elmwood st	Tannery Brook sewer Broadway	Southwesterly	634.6 407.0	
1898	Farragut ave	Woodsteck st	Broadway	957.5	
1887 1896	Fremont ave	Parker st	Easterly and westerly	89.0 234.8	
1896	Fremont st	East Albion st	Main st.	1,229.5	
1898	Garrison ave	Proposed st	Near Broadway	828.5	
1896 1896	Glendale ave	Yorktown st	Near Cameron ave	334.1 569.6	
1896	Hanson ave	Hanson st	Easterly and northerly	226.8	
1991 1899	Hanson st	Washington st		$733.6 \\ 992.1$	1898
1896	Jay st	Howard st	Northeasterly	329.9	\$28,627 15
1899	Joseph st. (both sides)	Newton st	Near Lincoln park	697.7	
1900 1900	Josephine ave	Broadway	South of Frederick ave	1,301.5 226.0	
1900	Lowden ave	Broadway	Near Fosket st	1,189.6	Į.
1900 ' 1896	Mallett . t	Lowden ave	Bay State ave	$240.0 \\ 333.5$	F
1899	Marion st	Yorktown st	Near Cameron ave	917.0	T.
1896	Meacham st	Moreland st	Ash ave.	215.7	
1896 1901	Meacham st	Fremont st	Medford line	$141.5 \\ 206.0$	
1896	Medford st	N. P. & P. Co.'s drive	N. E. D. M. & W. Co.'s drive	96.3	
1896-'98	Moreland st	Mystic ave		1,319.9	
1896	Mystic ave	Moreland st	Fremont st	286.6 714.8	1899
1899	Newton st. (north side)	Prospect st	Concord ave	1,158.6	\$15,931 52
1899 1901	Newton st. (-outh side)	Webster ave	Near Concord sq	605.5 601.4	
1898-'00	North st	Private lands	Conwell ave.	461.9	
1899	Oak st. (both sides)	Prospect st	Near Cambridge line	2,376.7	
1886 1896	Parker st	Washington st	Fremont ave	$240.0 \\ 221.1$	
1889	Perry st	Washington st	Southerly	325.0	
1896 1896	Private lands	Medford line	College ave	421.5 175.5	
1898	Private lands	Alewife brook	North st	405.0	i
1899	Prospect st	Somerville ave	Newton st	68.4	
1899-'00 1898	Prospect st. (both sides) . Raymond ave	Webster ave	Near Cambridge line	2,056.9 $1,194.5$	
1900	Rogers ave	Broadway	Near Frederick ave	962.4	
1898-'00 1896	Somerville ave (north side) . Somerville ave. (south side) .	Franklin ct		9,935.3 1,081.0	1900
1900	Somerville ave. (south side) .	Laurel st	Opp. Craigie	2,261.7	\$39,427 69
1901	Somerville ave. (south side) .	Prospect st	Malloy ct	1,263.8	
1899 1896	Springfield st. (both sides) . Tannery Brook	Concord ave		1,494.8 3,907.9	
1896	Thorndike st	Howard st	Southwesterly and northeasterly	251.2	
1901 1900	Tremont st	Webster ave		638.6 195.2	
1898	Victoria st	Woodstock st	Near Broadway	847.4	
1900	Washington st. (north side)	Opp. Lincoln park	Hanson st	1,518.3	1
1900 1900	Washington st. (south side) . Washington st	Lincoln park	North side	444.0 48.3	
1898	Waterhouse st	Woodstock st	Near Broadway	791.2	
1897-'01 1896	Webster ave. (both sides) . Willow ave	Near Union sq Broadway		4,672.3 997.9	
1896	Wilson ave	Broadway	Southwesterly	314.8	1901
1896	Winchester st	Medford line	Broadway · · · ·	102.7	\$11,489 31
1898	Woodstock st., private lands, . and proposed st	Metropolitan sewer		860.9	1
1896	Yorktown st	Cambridge line	Northeasterly	367.8	
	Total length and cost		. (14.55 miles)	76,858.1	\$138,078 84
					N.



Starm	Draine	Constructed.	
Storm	Drains	Constructed.	

Location.	From	То	LENGTH IN FEBT.	Cost.
Cedar street	Sartwell avenue.	Highland avenue.	1,178.7	\$4,189 58
Somerville avenue.	Spring street	Lowell street	705.0	1,432 96
Tannery Brook drain extended on private lands in Cambridge Tannery Brook drain extended along		Near Alewife Brk.	657.3	1,769 S2
Lex. & Arl. Br. R. R.	Holland street .	Willow and Morrison avenues .	2,135.2	10,031 61
Total length	and cost		4,676.2	\$17,423 97

The new "separate system" sewers (which take house drainage only into the Metropolitan system) have been extended during the year in the southwesterly part of the city; generally being laid on both sides of the street under the sidewalks, and when the house drains in this district have been connected with the new sewers and the proper alterations made with the roof water connections, many cellars will be relieved which are now flooded at times.

Ten of the "separate system" sewers have been laid in various streets in this section during the season, a total length of 7,463.3 feet, and cost \$11,063.22, for which no assessments are

levied. (See table of sewers.)

In various parts of the city new sewers have been laid as petitioned for during the year, and assessments levied on the property benefited. These sewers were constructed in twelve different streets, a total length of 5,015.7 feet, and cost \$5,927.10; the assessments amounted to \$2,953.10, leaving a net cost to the city of \$2,974.00. (See table of sewers.)

The length of sewers constructed in 1901, separate and combined systems, was 12,590.2 feet (2.385 miles). The total length of sewers in the city amounts to eighty miles, and the cost of construction has been \$923,600, and the total length of storm drains

constructed 3.91 miles, costing \$153,400.

Forty-six new catch basins have been constructed during the past year, costing \$2,229.20, making a total of 1,164 catch basins in the city for street drainage purposes. The cost of constructing thirty catch basins on the new Powder-house boulevard has been charged to this sewer account.

Metropolitan Sewer Connections.—Sewers in a section of the city comprising about twenty-one acres in the vicinity of North Union street have been entered into the Metropolitan sewer by the construction of a "regulator chamber," and connections, this being the only portion of the city's sewer system that had not been connected with the state sewer.

The cost of this connection, including the laying of 110 feet of 18-inch pipe sewer, was \$1,662.29.

Table Showing City's Connections with the Metropolitan Sewerage System, and Cost of Construction.

Year made.	Location.	Cost.	
1896. 1896. 1896.	Mystic avenue, at Moreland street. Mystic avenue, at Winthrop avenue. Waverley street, at Roland street.	\$1,400 10 4,548 50 2,411 66	
1896. 1896.	Somerville avenue, at Poplar street. Somerville avenue, at Poplar street (connection for slaughter houses).		
1898.	Somerville avenue, at Poplar street (separate system)	861 00	
1898.	Woodstock street, at Alewife brook (separate system)	256 64	
1898.	rate system)	205 46	
1898.	Raymond avenue (extended), at Alewife brook (separate system).	402 30	
1901.	North Union street (combined system)	1,333 25	
1896.	Winchester street (connected through City of Medford, separate system).	·	
1896.	Boston avenue (connected through City of Medford, separate system).		
1896.	Pearson road (connected through City of Medford, separate system).	• • • • • •	
1896.	Seven Pines avenue (connected through City of Cambridge, sepa-	• • • • • •	
	rate system)	• • • • • •	
T	otal cost		\$17,870 76

Table Showing Amounts Paid Commonwealth of Massachusetts on Account of Construction and Maintenance of the North Metropolitan Sewer System.

Year.									Construction.	Maintenance.
1894									\$22,230 79	\$6,510 20
1895		·							29,872 56	6,964 40
1896									39,661 06	13,148 55
1897				•					39,260 25	13,292 25
1898	•			•	•	•	•	•	22,520 16	9,046 15
1899	•	•	•	•	•	•	•	•	29,278 44	13,579 65
1900	•	•	•	•	•	•	•	•	28,272 40 29,919 09	$\begin{array}{c} 13,651 \ 50 \\ 11,276 \ 10 \end{array}$
1901	•	•	•	•	•	•	•	•	25,515 05	11,210 10
									\$241.014.75	\$87,468 80

Total amount paid, \$328,483.55.

Statement of Expense, 1901, Sewers Construction Account.

Extending "separate sewer system" (no as-				
sessments)	\$11,063	22		
Constructing sundry sewers (assessments	× 00=	4.0		
levied)	5,927			
Constructing storm drains	17,423	97		
Constructing connection with Metropolitan	1 (((2)	20		
sewer, North Union street.	1,662	29		
Building forty-six catch basins, street	2,229	20		
drainage	4,449	20		
Powder House Boulevard	1,990	00		
Incidentals	30			
Final payments on sewers constructed in				
	1,453	93		
Tannery Brook drain constructed 1896,	•			
land damages	239	02		
			* 10 010	~~
Total			\$42,019	28
Materials on hand December 31, 1901, drain				
pipe, \$744.40, catch-basin stock, \$41.50,	ტ <u>ი</u> ე <i>ც</i>	E 0		
manhole stock, \$140.60	\$920	. 00	\$10,748	17
Balance on hand, as shown by City Treasurer's	account	•	\$10,140	11

Sewers — Maintenance. — Over eighty miles of sewers in the city are connected with the Metropolitan sewer system, all of which have to be cleaned, flushed, repaired and kept in working order at all times, and this is an important item in the sanitary condition of the city. There are nearly twelve hundred catch basins connected with the city's drainage system which are cleaned from one to ten times during the year, according to their location and use. About 4,740 loads of material have been removed during the year.

Seventy-seven catch basins have been repaired, grade changed, or rebuilt; fifty-seven manholes grade changed or repaired, and sixteen sewers have been partially rebuilt where needed.

During the year three hundred and eighty-four permits have been issued to licensed drain layers for connecting houses with the main sewers, eighteen of which were for repairs. This work is all done under the supervision of an inspector, and the drains located and recorded. There are at present about 12,000 house drain connections with the city's sewerage system.

Records kept by an automatic recording clock, placed in the regulator chamber on the combined system, at the Somerville avenue and Poplar street connection with the Metropolitan sewer, shows this outlet to have been cut off as follows:—

```
1899 (6 months) completely closed 125 hours, partly closed 22 hours.
1900 " " 353 " " 114 "
1901 " 386 " " 225 "
```

Sections of the old eight-foot Somerville-avenue sewer, between the Fitchburg railroad and the East Cambridge line, are in

a leaky condition, and tide water at times is forced through the bottom and sides of this structure, and will require extensive repairs. There are a number of old sewers that will have to be rebuilt in the near future.

There are about six miles of sewers in the city that have been built in previous years by land owners and are termed private sewers. Occasionally some of these sewers become clogged up or damaged, and the residents on the street apply to the sewer department for help in the matter of removing the deposit and repairing the damage.

As these sewers enter the city's mains and are practically a part of the sewerage system, they should be taken by the city, inspected, thoroughly repaired, or reconstructed, and treated as public sewers, so that the entire system may be owned and main-

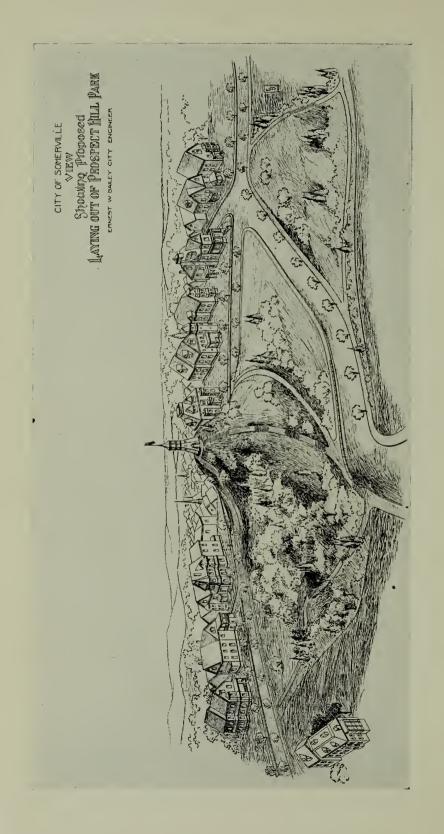
tained by the city.

Sewers Maintenance Account, 1901.

CREDIT.

Appropriation	\$10,350 00 15 60	
Total		\$10,365 60
DEBIT.		
Maintenance of sewers, including repairing and cleaning	\$3,002 61	
1 '	4,963 42	
Changing line and grade and repairing manholes	133 45	
catch basins	359 63 396 56	
Rent of water course, between Mystic and Middlesex avenues	375 00 522 25 63 89	
Changing line and grade of manholes on account of street railway tracks. Cleaning cellars flooded in time of storm. Sundry expenses, car fares, telephones, etc.	108 98 57 45 55 18	
Maintenance of sewer department yards and buildings	126 18	
\$1.00, lumber, \$12.00	17 88	
Total		10,182 48
Balance unexpended	\$1,075 30	\$183 12





PUBLIC GROUNDS DEPARTMENT.

The various parks and playgrounds of the city have been maintained throughout the past year in the usual manner; ponds kept in condition for skating during the winter months, baseball and football grounds provided, and on the principal parks suitable flower beds, plants, etc., furnished in their seasons, and park

police maintained.

At Lincoln park an out-doors' gymnasium has been added, with all the modern apparatus, and as soon as material is available the running track will be extended along the roadway to Perry street, making a fine "straight-away" for the short running events. A drinking fountain has been placed in the driveway opposite Clark street. In the course of time a modern building can be added to this athletic field that will combine dressing rooms, swimming tank, and various in-doors apparatus, making this park one of the most complete athletic fields to be found in any city.

The playgrounds on Somerville avenue at Kent street have been regraded and surfaced over with red gravel; swings, flying rings, and other apparatus added, and a drinking fountain

erected.

The grounds on Spring hill, between Belmont and Lowell streets (formerly stand-pipe location), have been regraded, a drinking fountain added, and settees, flower beds, etc., provided.

A small area at the junction of Broadway and Main street on Winter hill has been purchased for park purposes, on which will probably be erected a statue of Paul Revere at some future time; the laying out of a street across private property on the northerly side of this triangular lot would make it of more value to the city as a park.

A piece of land comprising about 4.4 acres located between Broadway and the Powder-house boulevard, near Tufts park, has been leased to the city for a term of ten years for an athletic field; the city is to grade and fence the property and construct seats and dressing rooms. A portion of the field has been graded and

will be completed in the early spring.

Another ball field in process of construction is located at the corner of Broadway and Cedar street, and the grading will be

completed within a short time.

The lot of land at Glen and Oliver streets could be improved in shape, as a playground, by exchanging an area of the city's lot at the corner of Oliver street for the vacant land in the rear of the present lot; also the enlargement of the Webster-avenue lot by taking the land through to Columbia street would make this small playground more desirable.

Arrangements have been made for obtaining the remaining land for the Prospect-hill park, and a proposed plan of laying out as an historical and pleasure park made. If laid out as designed, a roadway will connect over the hill and through the park

to Union square, and a portion of the hill will remain as a revolutionary landmark. This roadway would give a direct line for driving across the city, with the use of the newly asphalted Cross street, between the Metropolitan boulevard crossing Mystic river and Harvard square and bridge in Cambridge.

Another section of the city, the ledge property on Clarendon hill, could be improved if laid out and developed on the lines of a park, and make the present dangerous spot safe and attractive in appearance, as well as adding to the city's valuation. Plans and profiles have been made that contemplate the laying out of Clarendon avenue through to Cambridge as a public street, and the filling in of the unsightly ledge-hole to certain grades to be used as a pleasure park with the adjacent land laid out as streets and desirable house lots.

Powder-house Boulevard.—This pleasure drive had been sub-graded previously, and during the past year it has been thoroughly macadamized its entire length, one and one-third miles. An imported trap-rock was used and placed on the roadway, so that when compacted and finished with steam rollers the macadam was six inches deep in the centre of the forty-foot width of street, and five inches deep at the gutter lines; the sidewalks and grass plots were finished to North street and sub-graded beyond, so that the entire boulevard is completed with the exception of tree planting, lighting, and a small amount of finishing on the sidewalks along Alewife brook.

This strip of land, eighty feet wide and 7,200 feet long, improved at the city's expense, could be turned over to the state for maintenance, and made a part of the Metropolitan system, as it is one of the principal boulevard connections with the Mystic Valley parkway. The total expenditure on this improvement will be more than paid for within a few years' time by the in-

creased valuation of property in this section of the city.

The total area maintained by the city as parks and playgrounds amounts to fifty-eight acres.

Statement of Expense, 1901,—Maintenance.

Broadway Park (15.9 acres), maintenance:—	
Labor, care of walks, grass, etc \$1,044 91	
Labor, preparing pond for skating 239 00	
Labor, police service, including new uni-	
forms	
Labor, removing brown-tail moth 98 00	
Tools and supplies	
Repairing tools and property 35 35	
Plants, flowers, etc 160 75	
	\$1,973 38
Broadway Parkway (1.4 acres), maintenance:-	, ,
Labor, care of grass, etc \$44 00	
Plants, flowers, etc 85 00	
	129 00
	40.400.00
Amount carried forward	\$2,102 38

Amount brought forward	\$932 31 110 00 276 90 29 00 74 76	\$2,102 38
Repairing tools and property	26 57 483 49	1,933 03
Lincoln Park (8.3 acres), maintenance:— Labor, care of walks, grass, etc. Labor, flooding field for skating Labor, police service, including uniforms Tools and supplies Repairing tools and property Plants, flowers, etc. Grading track and grounds	\$818 18 84 00 239 45 192 95 108 17 20 00 237 38	1,700 13
Tufts Park (4.5 acres), maintenance:— Labor, care of walks, grass, etc. Labor, police service, including uniforms Tools and supplies Repairing tools and property Plants, flowers, etc.	\$747 60 182 45 37 68 16 39 149 13	1,133 25
Prospect Hill Park (2.6 acres):— Maintenance—Labor		3 00
Paul Revere Park:—	• • •	
Labor, laying out and grading Playgrounds, Glen street, corner Oliver		64 29
street (0.9 acre):— Maintenance—Labor, care of grounds		35 50
Playgrounds, Webster avenue (0.2 acre):— Maintenance—Labor		12 13
Playgrounds, Somerville avenue, corner Kent street (0.8 acre):— Maintenance—Labor, care of grounds . Re-surfacing grounds with red gravel . Repairing and painting fence and supplies	\$130 25 125 25 78 87	994.07
Playgrounds, Belmont street, near Summer street (0.4 acre):— Maintenance—Labor, care of grounds Fountain and re-grading walks Plants, flowers, etc	\$79 46 141 51 50 00	334 37
Playgrounds, College avenue, opposite Morrison street (0.4 acre):— Maintenance—New fence		270 9 7 50 7 4
Playgrounds, Broadway, corner Cedar street (4.2 acres):—		
Improvement—Sub-grading athletic field. Sidewalk assessment	\$103 65 258 70	362 35
Amount carried forward		\$8,002 14

Amount bro Playgrounds, I Athletic Maintenance	Broadway, field (4.4 a	Tufts	Colleg	e lar	ıd,		٠		\$8,002	
			•	•	•	•	•	•	2	70
Somerville Ave Maintenance	enue Cem —Labor,	etery (care o	0.7 ac	re): ınds	-				88	67
Artificial pond Flooding for	on Tufts skating	Colleg	e land	:		•			126	00
Powder House Maintenance- gutters, e	Boulevar —Labor, etc. Labor, Street v	re-gra cutting	ding • grass	slope	es,	•••	\$934 133 160	00		
Incidentals				•			•		1,227 48	
Total expe	nditure (5	i8 acres	s 1 1-9	3 mil	es ho	านใคร	rard)		\$9,495	<u></u>
Total Cape	iiditaic (c	o acre.			cs be	Juici	aruj	•	φυ,4υυ	04
Appropriation			CRED	IT.					0 500	00
		•	•	•	•	•	•	•	9,500	
Balance un	expended	•	•	•	•	•	•	•	\$4	18
Value of tools tenance	and proposed and ground					\$	1,400	00		
A	•-4•		4*4						1001	
Appropr	iations a	na Exi	oenait	ures	, im	prov	/eme	nτ,	1901.	
					•	•				
Powder House Appropriatio	Boulevar	d:—				_	2,000	00		
Appropriatio Balance fr	Boulevar	d:— work,	\$155.5	57, a	nd	\$1			\$14 14 5	57
Appropriatio Balance fr	Boulevar n . om 1900 Constructi	d:— work,	\$155.5 ount, \$	67, a \$1,990	nd) .	\$1	2,000		\$14,145 14,142	
Appropriatio Balance fr Sewers (McCarthy &	Boulevar n . om 1900 Constructi	d:— work,	\$155.5 ount, \$	67, a \$1,990	nd) .	\$1	2,000		• •	47
Appropriatio Balance fr Sewers C McCarthy & nished Balance Paul Revere P	Boulevar n com 1900 Constructi Gill, labo ark:—	d:— . work, on acco	\$155.5 ount, \$ mater	57, a \$1,990 ial fu	nd) .	\$1	2,000		14,142 \$3	47 10
Appropriatio Balance fr Sewers (McCarthy & nished Balance	Boulevar n com 1900 Constructi Gill, labo ark:—	d:— . work, on acco	\$155.5 ount, \$ mater	57, a \$1,990 ial fu	nd) .	\$1	2,000		14,142	47 10 00
Appropriatio Balance fr Sewers (McCarthy & nished Balance Paul Revere P Appropriatio	Boulevar n com 1900 Constructi Gill, labo ark:—	d:— . work, on accordand	\$155.5 ount, \$ mater	57, a \$1,990 ial fu	nd) .	\$1	2,000		\$3 \$1,500	47 10 00 70
Appropriatio Balance fr Sewers C McCarthy & nished Balance Paul Revere P Appropriatio Purchase of	Boulevar n com 1900 Constructi Gill, labo ark:— on unexperland rufts Coll on unexper	d:— work, on accordance or and nded fi	\$155.8 ount, \$ mater	57, a \$1,990 ial fu	nd) .	\$1	2,000		\$3 \$1,500 1,259	
Appropriation Balance fr Sewers Commendate McCarthy & nished Balance Paul Revere Pappropriation Purchase of the Balance Athletic field, Appropriation	Boulevar n com 1900 Constructi Gill, labo ark:— on unexperland rufts Coll on unexper	d:— work, on accordance or and nded fi	\$155.8 ount, \$ mater	57, a \$1,990 ial fu	nd) .	\$1	2,000		\$3 \$1,500 1,259 \$240 \$3,000	47 10 00 70 30 00 95
Appropriation Balance from Sewers (Continue) McCarthy & mished Balance Paul Revere Possible Purchase of the Balance Athletic field, Appropriation McCarthy & Balance Athletic apparation Appropriation Expended for Expended for Expended for Sewers (Continue) Appropriation Expended for Expended for Sewers (Continue) Appropriation Expended for Expended for Sewers (Continue) Balance	Boulevar n com 1900 Constructi Gill, labo ark:— on unexper land Tufts Coll on unexper c Gill, par on unexper c Lincoln or Playgr	d:— work, on accordance or and nded fi tial gr nded fi Park ounds	\$155.5 ount, \$ mater rom 19 ading rom 19	57, a \$1,990 ial fu 900 	nd) . 1r	\$1	2,000 2,145	57	\$3 \$1,500 1,259 \$240 \$3,000 753	47 10 00 70 30 00 95 05
Appropriation Balance from Sewers (Continue) McCarthy & mished Balance Paul Revere Possible Purchase of the Balance Athletic field, Appropriation McCarthy & Balance Athletic apparation Appropriation Expended for Expended for Expended for Sewers (Continue) Appropriation Expended for Expended for Sewers (Continue) Appropriation Expended for Expended for Sewers (Continue) Balance	Boulevar n com 1900 Constructi Gill, labo ark:— on unexper land Tufts Coll on unexper c Gill, par on unexper	d:— work, on accordance or and nded fi tial gr nded fi Park ounds	\$155.5 ount, \$ mater rom 19 ading rom 19	57, a \$1,990 ial fu 900 	nd) . 1r	\$1	2,000 2,145	57	\$1,500 1,259 \$240 \$3,000 753 \$2,246	47 10 00 70 30 00 95 05



VIEWS OF POWDER HOUSE BOULEVARD.





Prospect Hill Park:-										
Appropriation for land	unexpe	nded	fror	n	D1	000	0.0			
1900		•	•	•	\$15,	500	00			
Appropriation for improv	vement		•	•				\$9	22,500	00
Land purchased in 1901	•		•		•	•	•	Ψ.	11,320	00
Balance		•	•	•		•		\$:	11,180	00
Unexpended balances of	arried	over	for	1902	•			\$.	13,680	90

APPENDED TABLES.

Following the report is a table giving names of all streets in the city, public and private, lengths, widths, and the total mileage; also a table giving the locations and names of public squares in the city.

ERNEST W. BAILEY,

City Engineer.

TABLE SHOWING THE LOCATION, LENGTH, AND WIDTH OF PUBLIC AND PRIVATE STREETS.

			Public	Width	Length.		
STREET. FROM		То	or Private.	in Feet.	Public.	Private.	
Abdell pl	Somerville ave	Southwesterly	Private.	25		203	
Adams	Broadway	Medford st	Public.	40	900		
Adrian	Marion st	Joseph st	Public.	40	579	100	
Albion pl	Albion st Albion st	Northeasterly Southwesterly	Private. Private.	10 16		166 116	
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 Pearl st	Vinal ave B. & L. R. R	Public. Public.	40	508 611		
Aldrich	Broadway	Medford line	Private.	50		.50	
Allen	Somerville ave.	Charlestown st	Private.	$\frac{25}{25}$		680	
Allen ct	Park st	Northwesterly	Private.	20		150	
Alpine	Cedar st	Southeasterly	Private.	30	000	670	
Alpine	Alpine st	Lowell st	Public. Public.	40 40	688 567		
Alston	Bartlett st	Shawmut pl 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 40	140	120	
Arlington	Franklin st Porter st	Lincoln st	Public. Private.	15	440	127	
Arnold ave 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	478	705	
Ashland	Summer st Central st	Sartwell ave Beech st	Public. Public.	30 40	264		
Atherton Auburn ave	Cross st	B. & L. R. R	Private.	30		600	
Austin	Broadway	Mystic ave	Public.	40	680		
Autumn	Broadway	Bonair st	Private.	20	1.000	420	
Avon	School st	Central st	Public. Private.	$\begin{array}{c} 40 \\ 25 \end{array}$	1,360	150	
Avon pl Ayer ave	Cross st	B. & L. R. R 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 40	• • • •	200	
Barton	Broadway Broadway	Russell road Fosket st	Private. Private.	40		$\begin{vmatrix} 382 \\ 1,197 \end{vmatrix}$	
Bay State ave 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		110 100	
Bean's ct Bedford	Cutter st South st	Southeasterly Cambridge line	Private. Private.	16 30		160	
Beech	Somerville ave.	Spring st	Public.	40	800		
Bellevue ter.	Albion st	Northeasterly	Private.	20		90	
Belknap	Broadway	Russell road	Private.	40	0.175	449	
Belmont	Somerville ave	Highland ave	Public. Private.	$\frac{40}{25}$	2,175	175	
Belmont pl Benedict ave	Belmont st Broadway	Southeasterly Benedict st	Private.	$\frac{20}{20}$		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	1,208	400	
Benton road	Summer st School st	Hudson st	Public. Public.	40	1,360		
Berkeley Berwick	Lawrence st	Northwesterly	Private.	20	1,000	170	
Bigelow	Boston st	Munroe st	Public.	50	208		
Billingham	Broadway	William st	Public.	40	563	75	
Bishop's pl	Glen st	Easterly	Private.	10 40		630	
Blakeley ave	Winthrop ave Somerville ave	Cross st Fitchburg R. R	Private.	30		450	
Bleachery ct	Oak st	Houghton st	Public.	40	476		
Bolton							
Bolton Bonair	Cross st	Walnut st	Public.	40	1,470		
	and the same of th		Public. Public. Public.	40 40 40	1,470 640 450		

Table Showing the Location, Length, and Width of Public and Private Streets.—Continued.

Canna	From	То	Public or	Width in	LEN	дтн.
Street.	I ROM		Private.	Feet.	Public.	Private.
Boston ave	Medford line .	Mystic river	Public.	60	910	
Boston ave	Broadway	Medford line	Public.	50	80	
Boston ave	Broadway	Ayerave	Private.	65		290
Boston ave	Ayerave	Easterly angle	Private.	50		655
Boston ave	Angle southerly	Morrison ave	Private. Public.	40 45	630	1,025
Boston	Washington st Prospect Hill av.	Prospect Hill ave. 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	• • • • •	288
Bow St. pl	Bow st	Northwesterly	Private. Private.	40 40		300 150
Bradford ave	School st Pearl st	Southeasterly Walter st	Public.	40	762	150
Bradley 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	Albion st Willow ave	Public.	90 90 to 70	2,540 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 Burnside ave	Beacon st Elm st	Dimick st Summer st	Public. Public.	40 40	300 720	
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 rd	Kingston st	Public.	40 20	399	84
Campbell Pk. pl. Carlton	Kingston st Somerville ave	Arlington Br. R.R. Lake st	Private. Public.	40	300	1
Carver	Porter st	Northwesterly	Private.	40		156
Cedar ave	Cedar st	Linden ave	Private.	22		290
Cedar ct	Cedar st	Southeasterly	Private.	15+		70+
Cedar St. pl	Murdock st	Southwesterly	Private.	20		220
Cedar St. pl	Cedar n'r Elm st.	Southeasterly	Private.	12+	4.450	80+
Cedar	Elm st	Broadway	Public.	40	4,150	• • • • •
Central	Somerville ave Summer st	Summer st	Public.	33	1,150 2,480	
Central	Medford st	Broadway	Public.	45	1,070	
Centre	Albion st	B. & L. R. R	Private.	35	1,010	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 Charnwood road .	Allen st	Easterly	Private. Public.	15 40	589	400
Chauncey ave						••••
(Fellsway)	Broadway	Mystic ave	Public.	50	1,320	4.000
*Chelsea	Mystic ave	Melrose st	Private.	50	1.450	1,390
Cherry	Elm st	Highland ave	Public.	45 40	1,450	
Chester	Elm st	Cambridge line	Public.	about 22	850 220	
Chester ave	Angle	Cross st	Private.	20	220	445
Chester pl	Chester st	Northwesterly	Private.	40		200
Chestnut	Poplar st	Southeasterly	Private.	40		540
Church	Summer st	Somerville ave	Public.	40	560	
* Proposed						

^{*} Proposed.

Table Showing the Location, Length, and Width of Public and Private Streets.—Continued.

Conne	Enov	Tr.o.	Public	Width	LENG	этн.
STREET.	FROM	То	or Private.	in Feet.	Public.	Private
Church (south) .	Somerville ave	Lake st	Public.	40	340	
Church St. pl	Church st. (south)	Northwesterly	Private.	25		170
Claremon	Holland st	Mead st	Public.	40	560	
Clarendon ave .	Broadway	Cambridge line .	Private.	40	• • • •	1,210
Clark	Newton st Central st	Lincoln parkway .	Private. Private.	35	• • • •	545
Cleveland Clifton	Appleton st	Elm pl	Public.	40	240	270
Clifton	Morrison ave.	Arlington Br. R.R.	Private.	40		220
Clyde	Cedar st	Murdock st	Private.	30		600
College ave	Davis sq	Medford line	Public.	60	4,080	
Columbia	Webster ave	Cambridge line .	Public	40	816	
Columbia ct	Columbia st	Webster ave	Private.	9	1.000	150
Columbus ave Concord ave	Windham road .	Walnut st Leon st	Public. Public.	40 40	1,073	• • • •
Concord ave	Prospect st Leon st	Beacon st	Private.	30	1,500	470
Congress pl	Linwood st	Southwesterly	Private.	16		200
Conlon ct	Columbia st	Easterly	Private.	20		200
Conwell ave	Curtis st	North st	Private.	40		1,349
Conwell	Highland ave	Southwesterly	Public.	35	360	
Cooney	Beacon st	Line st	Private.	26		220
*Cottage ave Cottage circle .	Russell st	Chester st	Public. Private.	$\begin{array}{c} 40 \\ 25 \end{array}$	500	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	523	
Cross	Medford st	Broadway	Public.	45	2,650	• • • •
Cross	Broadway	Mystic ave	Public.	40	1,100	150
Cross St. pl Crown	Cross st Porter st	Northwesterly . Lowell st	Private. Private.	24 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	
Cutter pk Cypress	Cutter ave Central st	Northwesterly Beech st	Private. Public.	$\begin{array}{ c c }\hline 12\\ 40\\ \end{array}$	262	83
Dana	Bonair st	Pearl st	Public.	40	690	
Dane	Somerville ave	Washington st	Public.	40	1,270	
Dane ave	Dane st	Leland st	Private.	30		600
Dartmouth	Medford st	Broadway	Public.	40	1,450	
Day	Elm st	Cambridge line .	Public.	40	940	• • • •
Delaware	Aldrich st	Pearl st	Public.	40	451	
Dell Derby	Glen st	Tufts st	Public. Public.	40	466 831	
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 Dix pl	South st Linwood st	Cambridge line .	Private. Private.	35 10	• • • •	$\begin{vmatrix} 150 \\ 100 \end{vmatrix}$
Dix pi	Elm st	Southwesterly Cambridge line	Public.	40	940	100
Downer pl	Downer st	B. & L. R. R	Private.	20		125
Downer	Nashua st	Southeasterly	Private.	20		120
Dresden circle . Durham	Cutter ave Beacon st	Westerly Hanson st	Private. Private.	30 40		133 450
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	• • • • •	490 300
Eastman pl *Edgeworth	Highland ave Mystic ave	Southwesterly Melrose st	Private. Private.	40 50	••••	1,380
Edmands	Mystic ave Broadway	to near Bonair st.	Public.	40	376	1,000
Edmonton ave	Cross st	Winthrop ave	Private.	40		630
Electric ave						

^{*} Proposed.

Table Showing the Location, Length, and Width of Public and Private Streets.—Continued.

	_		Public	Width	LEN	GTH.
Street.	FROM	То	or Private.	in Feet.	Public.	Private
Eliot	Vine st	Park st	Public.	40	260	
Ellington road .	Highland ave	Northeasterly	Private.	35		120
Ellington road . Ellsworth	West st Cross st	Northwesterly Rush st	Private. Public.	30 40	210	40
Elm ct	Villa ave	Northwesterly	Private.	18	210	7
Elm pl	Harvard st	Easterly & west'ly	Private.	30		40
Elm	Somerville ave	Cherry st	Public.	63	1,590	• • •
Elm	Cherry st White st	White st Banks st	Public. Public.	63 to 60 60	330 660	
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 40	1,420	• • •
Elmwood ter	Holland st Elmwood st	Cambridge line . Easterly	Public. Private.	20	1,057	19
Elston	Elm st	Summer st	Public.	40	396	
Emerson	Everett st	Newton st	Private.	30		17
Emery	Fitchburg R. R. Broadway	South st	Private.	30 40	••••	33 80
Essex	Medford st	Richdale ave.	Private. Public.	40	232	
Eustis	Beacon st	Southwest	Private.	30		15
Everett ave	Cross st	Dana st	Public.	40	800	•••
Everett Evergreen ave	Webster ave Marshall st	Newton st	Private. Public.	30 40	1,320	35
Evergreen sq	Porter st	Southeasterly	Private.	8	1,520	20
Fairlee	Cherry st	Northwesterly	Private.	30		15
Fairmount ave.	Curtis st	Northwesterly	Private.	40	••••	70
Cairview ter	Sycamore st Broadway	Southwesterly	Private. Private.	15 40		17. 84
enwick	Broadway	Heath st	Public.	40	340	•••
enwick	Heath st	Jaques st	Private.	40	,	26
Fisk ave	Hinckley st	Lowell st	Private.	20 & 25	• • • •	46
Citchburg ct	Fitchburg st Linwood st	Southeasterly B. & L. R. R	Private. Private.	$\frac{10}{40}$	• • • •	22 40
Flint ave	Flint st	Northerly	Private.	40		20
Flint	Franklin st	Aldrich st	Public.	40	1,773	• • •
Florence	Washington st Jaques st	Perkins st	Public.	$\begin{array}{c c} 40 \\ 20 \end{array}$	1,280	
Corest	Beacon st	Southwesterly	Private. Public.	40	150	
Forster	Sycamore st	Central st	Private.	30		43
Fosket	Willow ave	Liberty ave	Public.	40	668	
Fountain ave	Cross st College ave	Glen st	Private. Public.	30 40	762	55
rancis	Porter st	Conwell st	Private.	30		18
Franklin ave	Washington st	Franklin st	Private.	20		50
Franklin ct	Somerville ave	B. & L. R. R	Private.	1221		20
ranklin	Franklin st Broadway	Southeasterly Washington st	Private. Public.	15 40⊥	2,230	10
rederick ave.	Willow ave	Boston ave.	Private.	40+ 40	2,250	1,36
remont ave	Bowdoin st	Lincoln pk	Private.	30		23
Fremont	Main st	Meacham st	Public.	49	612	79
rost ave	Meacham st Somerville ave	Near Mystic ave Dane st	Private. Private.	40 35		78 55
Garden ct	Somerville ave	Fitchburg R. R.	Private.	25		370
Garfield ave	Broadway	Middlesex ave.	Private.	40	,	1,43
Barrison ave	Broadway Broadway	Woodstock st.(Ext'n) Lincoln ave	Private. Public.	40 30		85
Sibbens	Central st.	Benton road	Public.	40	275 492	• • •
Gibbens	Benton rd	Northwesterly	Private.	40	132	13
Giles pl	Walnut st	Northwesterly	Private.	32.71		168
Gill's ct Gilman	Franklir st	Westerly	Private.	10	1 400	100
Gilman ter.	Pearl st	Walnut st	Public. Public.	40 40	1,430 360	
Gilson ter	Linden ave.	Northwesterly	Private.	20	300	124
Glen	Broadway	Tufts st		40	2,300	

Table Showing the Location, Length, and Width of Public and Private Streets.—Continued.

			Public	Width	Len	GTH.
STRBET.	From	То	or Private.	in Feet.	Public.	Private
Glendale ave	Cameron ave	Yorktown st	Private.	40		41
lover circle	Meacham road .	Southeasterly	Private.	20		11
orham	Holland st	Howard st	Public.	40	763	132
ould ave	Porter st	Southeasterly	Private.	16	••••	15
ove ct	Cedar st	Southeasterly	Private.	15 40	470	14
Frand View ave.	Walnut st Somerville ave.	Vinal ave Osgood st	Public.	40	470	40
ranite	Broadway	T .	Private. Public.	40	536	
Grant	Jaques st	Mystic ave	Private.	40		81
Greene	Summer st	Laurel st	Public.	40	555	
Greenville	Medford st	Munroe st	Public.	40	660	
Greenwood ter	Beacon st	Northeasterly	Private	25		16
Grove	Elm st	Morrison ave	Public.	40	985	• • • •
Hadley ct	Franklin st College ave	Westerly Liberty ave	Private. Public.	$\frac{20}{40}$	926	15
Hall	Cedar st	Cherry st	Public.	30	456	
Hamlet	Highland ave.	Southwesterly	Private.	30		40
Hammond	Dickinson st.	Concord ave.	Public.	40	267	
Hancock	Elm st	Highland ave	Public.	40	1,302	
Hancock	Highland ave	Lexington ave	Public.	50	376	
Hanson ave	Hanson st	Easterly	Private.	30		23
Hanson	Washington st	Vine st	Private.	35		75
Harding	South st	Cambridge line .	Private.	30		11
Harris	Beacon st	Cambridge line .	Private.	35 40	644	13
Harrison	Ivaloo st	Kent st	Public.	40	644	2
Harrison	Elmwood st Harvard st	Southeasterly	Private.	35	••••	20
Harvard pl Harvard	Summer st	Westerly Beech st	Private. 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		8
Hayden ter	Linden ave	Easterly	Private.	20		1:
Heath	Temple st	Bond st	Public.	45	1,043	
Heath	Bond st	Moreland st	Private.	40		7
Henderson	Richardson st	B. & L. R. R	Private.	20		63
Hennessy ct	Medford st	Fisk ave	Private.	$\frac{20}{40}$	• • • • •	28
Henry ave.	Highland ave	Lexington ave	Private.	40	900	1
Herbert	Chester st	Day st	Public.	40	360	25
Hersey	Berkeley st Medford st	Oxford st	Private.	60	9,100	
Highland ave Hill	Broadway	Fairmount ave.	Private.	40	3,100	2
Hillside ave.	Pearl st	Southwesterly	Private.	30		1
Hillside pk	Walnut st	Northwesterly	Private.	40		2
Hinckley	Broadway	Lawrence st	Private.	30		4
Hodgdon pl	Dane ave	Northeasterly	Private.	about 20		1
Holland	Davis sq	Broadway	Public.	60	2,650	1 :
Holt's ave.	Oak st	Southeasterly	Private.	10		1
Holyoke road	Elm st	Elm st	Private.	40		2
Homer sq	Bonner ave	Northwesterly	Private.	30+		5
Horace	South st	Fitchburg R. R	Private.	30 40	653	1
Houghton	Springfield st Thorndike st	Cambridge line Gorham street	Public. Private.	40		4
Howard Howard	Whipple st	Willow ave	Private.	30		2
Howe	Marshall st	School st	Public.	40	445	
Hudson	Central st.	Cedar st	Public.	40	2.760	
Hunting	South st	Cambridge line .	Private.	30		1
Ibbetson	Somerville ave.	Lowell st	Public.	40	802	
Irving	Holland st Beacon st	Broadway Park st	Public Public.	40	1,180 650	
Jackson	Medford st	Maple st	Private.	30		1
James	Pearl st	Veazie st	Public.	40	320	
Jaques	Chauncey ave	Temple st	Public.	40	1,200	
Jaques	Temple st	Bond st	Public. Private.	45 20	1,050	2
Jasper pl	Jasper st	Walnut st				

Table Showing the Location, Length, and Width of Public and Private Streets.—Continued.

			Public	Width	Len	GTH.
STREET.	From	То	or Private.	in Feet.	Public.	Private.
Jasper	Pearlst	Gilman st	Private.	40		300
ay	Holland st	Howard st	Public.	40	534	
enny Lind ave	Vernon st	Broadway	Public.	40	1,507	
erome ct	Sycamore st	Jerome st	Private. Private.	$\begin{array}{c} 10 \\ 20 \end{array}$	• • • •	150 125
ferome	Montrose st Newton st	Jerome ct Lincoln parkway .	Public.	40	458	120
osephine ave.	Morrison ave	Broadway	Private.	45		1,715
oy	Washington st	Poplar st	Public.	30	1,121	
foy St. pl	Joy st	Southwesterly	Private.	30		175
Kensington ave	Broadway Blakeley av e	Blakeley ave Middlesex ave	Private. Private.	40 40		440 1,150
Cent ct	Kent st	Northerly	Private.	about 25		420
Kent	Somerville ave	Fitchburg R. R.	Public.	40	292	
cent	Fitchburg R. R.	Beacon st	Public.	25	386	
Cenwood	College ave	Billingham st	Public.	40	322	
Kidder ave Kidder ave	College ave	Liberty ave	Public.	40 40	625	
Kilby	Liberty ave Somerville ave	Willow ave Southwesterly	Private. Private.	20		658 180
Cimball	Lowell st	Craigie st	Private.	40		303
ingman ct	Washington st	Fitchburg R. R	Private.	25		400
Cingston	Meacham road .	Cambridge line	Public.	40	647	
Knapp	School st	Granite st	Public.	40 40	379	925
	Oliver st	Tufts st	Private.			920
ake	Hawkins st	Church st	Public.	40	860	
amson ct	Linwood st School st	Poplar st	Private. Private.	$\frac{20}{40}$		370
Laurel ave.	Laurel st	Northwesterly	Private.	18		123
Laurel	Somerville ave	Summer st	Public.	40	940	
awrence	Hinckley st	B. & L. R. R	Private.	35		650
awrence	Boston ave	Southwesterly	Private.	35		710
awson ter	Putnam st	Easterly	Private. Public.	· 5 40	385	200
eland	Washington st	Dane ave	Private.	40		250
eon	Concord ave	Dickinson st	Public.	40	155	
eonard pl	Joy st	Northeasterly	Private.	13+		98
esley ave	Highland ave	Lexington ave	Public.	40	333	
eslie pl	Highland ave Meacham road .	Northerly Northwesterly	Private. Private.	12 20		75 190
exington ave.	Willow ave.	Hancock st	Private.	50		630
Lexington ave	Hancock st	Cedar st	Private.	50		730
iberty ave.	Hall ave	Broadway	Public.	40	1,395	
iberty ave	Hall ave	Appleton st.	Private.	40	450	100
incoln ave incoln parkway.	Lincoln st Washington st	Mt. Vernon st	Public.	40 40	478	
incoln pl.	Lincoln ave.	Northerly	Private.	9	1,520	120
incoln .	Broadway	Perkins st	Public.	40	550	
inden ave	Elm st	Summer st	Public.	45	1,050	
inden ave.	Summer st	Northeasterly	Private.	45	• • • •	250
inden circle inden pl	Linden ave Linden ave	Southeasterly Northwesterly	Private. Private.	$\frac{24}{20}$	• • • •	120 160
inden	Somerville ave.	Fitchburg R. R.	Private.	30	• • • •	705
ine	Washington st	Cambridge line	Private.	33		1 750
inehan ct.	Linwood st	Chestnut st	Private.	about 15		200
inwood pl	Linwood st	Southwesterly	Private.	about 12	0.050	150
inwood	Somerville ave Linwood st	Washington st	Public.	50 40	2,050	340
oring .	Somerville ave	B. & L. R. R Northeasterly	Private. Private.	40		340 400
ouisburg pl.	Autumn st	Easterly	Private.	13		90
ovell	Broadway	Electric ave	Private.	40		388
owden ave	Broadway	Fosket st	Private.	40		1,205
owell	Somerville ave	Summer st	Public.	36	1,259	240
owell	Summer st Crown st	Crown st	Private. Public.	33+ 40	972	349

Table Showing the Location, Length, and Width of Public and Private Streets.—Continued.

		m	Public	Width	Len	GTH.
STREET.	From	То	or Private.	in Feet.	Public.	Private
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	• • • • •	15
Madison	School st	Sycamore st	Public.	40	891	
Main	Broadway	Medford line	Public.	50	950	4.00
Malden	Mystic ave	Melrose st	Private. Private.	50 40	• • • • •	1,36
Malloy ct	Willow ave Somerville ave.	Liberty ave	Private.	30		58 25
Talvern ave.	Cameron ave.	Yorktown st	Private.	40		41
Manila road	Beacon st	Sacramento st	Private.	40		40
Mansfield	Somerville ave.	Washington st	Public.	40	735	
Maple ave	School st	Southeasterly	Private.	40		30
Maple pl	Marshall st	Maple ave	Private.	5	••••	12
Maple	Poplar st	Jackson st	Private. Public.	$\begin{array}{c c} 30 \\ 40 \end{array}$	529	47
Marion Marion	Concord ave Wyatt st	Wyatt st Northwesterly	Private.	40	029	18
Marshall	Broadway	Pearl st	Public.	40	1,650	10
May pl	Hawkins st	Easterly	Private.	12		10
McCulphe pl	Medford st	Easterly	Private.	10		11
McGregor ave	Wigglesworth st.	Walnut st	Private.	about 10		25
Meacham road .	Dover st	Cambridge line .	Public.	40	1,060	
Meacham	Mt. Vernon ave.	Medford line	Private.	40	• • • •	80
Mead	Cameron ave	Moore st	Private.	40 50	9 150	34
Medford	Cambridge line . Central st	Central st	Public. Public.	55	8,150 1,950	
Medford Melburn pl	Central st Summer st	Northeasterly	Private.	30	1,550	12
Melledew ct.	Belmont st	Easterly	Private.	15		13
Melrose	Mystic ave	Middlesex ave	Private.	50		2,31
Melvin	Broadway	Bonair st	Public.	40	487	
Merriam ave	Merriam st	Malloy ct	Private.	15	• • • •	25
Merriam	Somerville ave.	Charlestown st	Private.	30	2 400	50
Middlesex ave	Mystic ave	Medford line	Public. Private.	60 about 30	3,400	ic
Milk pl Miller	Somerville ave. Sacramento st	Southwesterly Beacon st	Private.	33		46
Milton	Orchard st	Cambridge line .	Private.	35		22
Miner	Vernon st.	Ames st	Public.	40	244	
Mondamin ct	Ivaloo st	Harrison st	Private.	25		25
Monmouth	Central st.	Westerly	Public.	40	267	
Ionmouth	End of above .	Harvard st	Private.	35 40	265	20
Montgomery ave.	Broadway	Wellington ave B. & L. R. R	Public. Private.	12	200	ii
Montrose ct	Montrose st School st	Sycamore st	Public.	40	886	
Moore	Holland st	Mead st	Public.	40	695	
Moreland	Main st	Mystic ave	Private.	40		1,5
Morgan	Beacon st	Park st	Public.	40	350	
Iorrison ave	Cedar st	Willow ave	Public.	50	1,366	
Iorrison ave	Willow ave	College ave.	Public.	$\begin{array}{c c} 40 \\ 20 \end{array}$	1,700	1 1
Iorrison pl	Morrison ave	Northerly	Private. Private.	15		13
Iorrison pl	Morrison pl	Easterly	Private.	20		2
Iortimer pl Iorton	Marshall st Glen st	Knowlton st	Public.	40	287	
Iossland	Somerville ave	Elm st	Public.	40	350	
Iountain ave.	Linden ave	Porter st	Private.	22		3
Iousal pl	North Union st.	B. & M. R. R	Private.	20	• • • • •	2
It. Pleasant ct.	Perkins st	Southwesterly	Private.	40	570	. 2
It. Pleasant	Broadway	Perkins st	Public.	33 50	570	8
It. Vernon ave	Main st	Meacham st	Private. Public.	40	600	
At. Vernon At. Vernon	Washington st	Pearl st	Public.	50	450	
It. Vernon	Perkins st	Broadway	Public.	40	600	1
Aunroe	Walnut st	Easterly	Public.	40	375	
Munroe	End of above .	Boston st	Private.	50		1,1
Murdock	Cedar st	Clyde st	Private.	30		9
Murray	Washington st	Southerly	Private.	30	161	2
Museum Myrtle ct	Beacon st	Cambridge line . Easterly	Public. Private.	40	164	i

^{*} Proposed.

Table Showing the Location, Length, and Width of Public and Private Streets.—Continued.

STREET.	From	T-		Width	Length.		
Murtle nl		То	or Private.	in Feet.	Public.	Private.	
Myrtle pl	Myrtle st	Westerly	Private.	20-		120	
Myrtle	Washington st	Perkins st	Public.	40	1,400		
Mystic ave	Charlestown line	Union st.	Public.	60	350	• • • • •	
Mystic ave	Union st Washington st	Medford line Somerville ave	Public. Public.	66	6,900 360		
Mystic	Benedict st	Mystic ave	Private.	40		330	
Nashua	Richardson st	B. & L. R. R	Private. Private.	35 20		640	
Nevada ave Newberne	Village st Appleton st	Hanson st	Public.	40	200	200	
Newberne	Morrison ave	B. & L. R. R. : .	Private.	40		173	
Newbury	Holland st	Cambridge line .	Public.	40	1,250		
Newman pl	Cedar st	Southeasterly	Private.	10+	• • • •	100	
Newton pl Newton	Newton st Prospect st	Easterly	Private. Public.	about 10 25	470	100	
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 Broadway	Southeasterly Medford st	Private. Public.	20 40	350	200	
Oak	Prospect st	Angle	Public.	40	670		
Oak	Angle	Cambridge line .	Public.	30	563	••••	
Oak St. pl Oakland ave	Oak st Marshall st	Northerly School st	Private. Public.	4 40	440	85	
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 Osgood	Cambridge line .	Meacham road	Public.	40	1,625	450	
Osgood Otis	Granite st Cross st	Easterly & west'ly Wigglesworth st	Private. Public.	40 40	1,200	450	
Oxford Oxford	School st Beacon st	Central st Cambridge line .	Public. Public.	35 50	1,361		
Packard ave Palmer ave	Broadway Franklin st	Medford line Northwesterly	Private.	60 20	• • • • •	2,000 200	
Park ave.	College ave	Wallace st	Public.	40	450	200	
Park pl	Laurel st	Easterly	Private.	30		220	
Park pl	Park pl	Northeasterly	Private.	20		150	
Park	Somerville ave. Porter st	Beacon st	Public.	50	1,300	150	
Parker	Washington st.	Northwesterly Fremont ave	Private. Private.	20 35		150 200	
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	Mt. Vernon st Franklin st	Public. Public.	40 50	300 950	• • • •	
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 Pearson ave	Pearl st	Northerly	Private.	23	• • • •	161	
Pearson road	Broadway	Boston ave Professors' row .	Private.	$\begin{array}{c} 45 \\ 40 \end{array}$	• • • •	1,300 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 Washington st	Charlestown line . Lincoln parkway .	Public.	40	1,350		
Peterson ter	Porter st	Northwesterly	Public. Private.	40 13+	606	155	
Pinckney pl	Pinckney st	Southeasterly	Private.	24		125	
Pinckney	Washington st	Perkins st	Public.	40	1,170		
Pitman Pitman	Beech st	Spring st	Private.	30		380	
Pleasant ave.	Spring st Walnut st	Belmont st Vinal ave	Private. Public.	26 40	470	390	
Poplar ct	Poplar st.	Southeasterly	Private.	10	470	80	
Poplar	Somerville ave.	Linwood st	Private.	30		350	

Table Showing the Location, Length, and Width of Public and Private Streets.—Continued

C	12	Tr.	Public	Width	LENGTH.	
STREET.	FROM	То	or Private.	in Feet.	Public.	Private.
Poplar	Linwood st	Joy st	Private.	35		300
Porter ave	Porter st	Northwesterly	Private.	20		220
Porter pl	Porter sî	Northwesterly	Private.	20		195
Porter	Elm st	Mountain ave	Public.	45	1,530	• • • •
Porter Powder house	Mountain ave Powder house	Highland ave Northwesterly,	Public.	40	425	• • • •
boulevard	square	Mystic river and				
		Medford line	Public.	80	7,200	
Powder house ter.	Kidder ave	Liberty ave	Public.	40	585	
Prescott	Summer st	Highland ave	Public.	50	1,050	
Preston road	School st	Summer st	Public.	40	800	1 145
Pritchard ave Princeton	Morrison ave Alpine st	Boston ave Lowell st	Private. Public.	40 40	657	1,145
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 Hillav.	Medford st	Munroe st	Public.	40	450	100
Prospect pl	Prospect st	E. Newton st	Private.	20	1 210	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	1 045	244
Raymond ave	Curtis st	North st.	Public.	40	1,345	110
Record's pl	Broadway	Southwesterly	Private. Private.	$\begin{array}{c} 10 \\ 20 \end{array}$	• • • • •	110 105
Reed's ct Remick ct	Oliver st Cutter st	Southwesterly 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	500	170
Robinson	Central st	Bartlett st	Public. Private.	$\frac{40}{45}$	582	1,700
Rogers ave Roland st	Waverly st	Broadway Boston line	Private.	40		100
Roseland	Beacon st	Cambridge line .	Public.	40	100	
Rossmore	Somerville ave.	Washington st	Public.	40	534	
Royce pl	Bonair st	Northeasterly	Private.	15+	4.400	175
Rush	Broadway	Flint st	Public.	40	1,400	1 102
Russell road	Broadway Elm st	North st	Private. Public.	$\begin{array}{c} 40 \\ 40 \end{array}$	700	1,193
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	400
Sartwell ave	Cedar st	Cherry st	Private.	35	• • • • •	400
Sawyer ave	Packard ave.	Curtis st	Private.	40	1,870	690
School	Somerville ave. Highland ave	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	550	200
Shawmut	Washington st	Cross st	Public. Private.	40	550	310
Sherman ct.	Somerville ave. 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		825 720
Skehan	Dane st	Durham st	Private.	30 25+		200
Smith ave	Beacon st Belmont st	Line st Easterly	Private.	30	1	75
Snow pl	Snow pl	N'th'ly and S'th'ly	Private.	20		222

Table Showing the Location, Length, and Width of Public and Private Streets.—Continued.

			Public	Width	Len	GTH.
Street.	FROM	То	or Private.	in Feet.	Public.	Private.
Snow ter	Inques et	Southwesterly	Private.	16		120
Somerville ave.	Jaques st E. Camb. line .	Southwesterly Union sq	Public.	75	4,300	120
Somerville ave	Union sq	N. Camb. line	Public.	70	6,800	
South	Medford st	Water st	Public.	30	989	• • • •
Spring ct	Cedar st	Hancock st	Public. Private.	$\frac{40}{20}$	727	200
Spring ct 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. Private.	$\frac{20}{20}$	• • • •	670 200
Stanford ter Stickney ave	Beacon st Marshall st	Northeasterly School st	Public.	40	458	
St. James ave	Elm st	Summer st	Public.	40	488	
Stone ave	Union sq	Columbus ave	Public.	40	676	145
Stone pl	Stone ave Bow st	Southeasterly Elm st	Private. Public.	30 45	7,700	145
Summit ave	Walnut st	Vinal ave	Public.	45	470	
Summit	College ave	Billingham st	Public.	40	262	
Sumner	Lawrence st	Northwesterly	Private.	20	• • • •	$\begin{array}{c c} 175 \\ 250 \end{array}$
Sunnyside ave	Walnut st Broadway	Wigglesworth st Medford st	Private. Public.	35 45	1,250	290
Sycamore	Medford st	B. & L. R R	Public.	40	582	
Sycamore	B. & L. R. R	Highland ave	Public.	35	660	
Sydney	Grant st	Temple st	Public.	40	679	
Talbot ave	Packard ave	College ave	Private.	50		1,409
* Tannery (Ext'n)	Cambridge line .	Woodstock st.(Ext'n)	Private.	40		160
Taunton	Wyatt st	Easterly to angle .	Private.	30		170
Taunton Taylor pl	Angle Somerville ave.	Marion st	Private. Private.	20 15		$\begin{array}{c} 95 \\ 200 \end{array}$
Taylor	Mystic ave	Sydney st	Private.	40		310
Temple	Broadway	Mystic ave	Public.	66	1,540	
Tenney ct	Mystic ave Forster st	Northeasterly	Private.	30 40	869	400
Thorndike	Holland st	Pembroke st	Public. Public.	40	465	
Thorndike	Arl'gt'n Br. R.R.	Kingston st	Public.	40	115	
Thorpe pl	Highland ave	Southwesterly	Private.	30	1.000	450
Thurston	Broadway Tyler st	Richdale ave	Public. Private.	40 25	1,660	150
Tower	Crown st.	Highland ave.	Public.	40	559	
Tremont pl	Tremont st	Southeasterly	Private.	about 10		75
Tremont	Webster ave Vernon st	Cambridge line	Public.	40	589 1,050	
Trull lane	Highland ave.	Medford st Oxford st	Public. Private.	40 15	1,000	200
Tube Works ct	Somerville ave.	Southwesterly	Private.	20		150
Tufts parkway . Tufts	College ave	College ave	Public.	22	900	• • • •
Tyler	Washington st Vine st	Cross st	Public. Public.	40 40	940 404	••••
			I abiio.	10		
Unnamed st Unnamed st. (Highway and Water Dept.	Ware st	Powder h'se blvd.	Private.	20-40	• • • •	283
grounds)	Broadway	Cedar st	Private.	45		980
Unnamed st Union	Pearl st	Pearl st	Private.	40	220	540
Union pl	Broadway Linwood st	Mystic ave Southwesterly	Public. Private.	40 10	330	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 Villa ave	Broadway Winslow ave	Cambridge line . Arlington B. R. R.	Private. Private.	$\begin{array}{c} 40 \\ 35 \end{array}$	• • • •	1,036 200
			Private.	$\frac{55}{25}$	• • • • •	370
Village	Dane st	Vine st	riivate.	40		210
Village Vinal ave	Summer st Richardson st	Highland ave	Public. Private.	45 20	1,400	200

^{*}Proposed.

Table Showing the Location, Length, and Width of Public and Private Streets.—Continued.

C		m	Public	Width	Len	GTH.
STREET.	From	То	or Private.	in Feet.	Public.	Private.
Vine ct	Vine st	Northwesterly	Private.	25		140
Vine	Somerville ave.	Hanson st	Private.	40		780
Vine	Hanson st Aldrich st	Beacon st Jasper st	Private. Public.	25 40	405	650
Wade ct	Cedar st Beacon st	Westerly Dimick st	Private. Private.	20 40		180
$\mathbf{W}\mathbf{a}\mathrm{ldo}$, , , ,	Highland ave.	Hudson st	Public.	40	287	277
Wallace	Holland st	Broadway	Public.	40	1,350	
Walnut	Bow st	Broadway	Public.	40	3,830	
Walter pl	Walter st	Southwesterly	Private.	40	• • • • •	222
Walter	Walnut st	about 100 ft. N. of Bradley st.	Public.	40	548	
Ward	Medford st	Earle st	Private.	30		610
Ware Warner	Curtis st Powder House sq.	Northwesterly Medford line	Private. Public.	40 60	500	700
Warren ave	Union sq	Columbus ave.	Public.	40	650	
Warren	Medford st	Cambridge line .	Private.	30		100
Warwick place .	Warwick st	Northeasterly	Private	15	•:::	150
Warwick	Cedar st	Warwick pl	Public.	40 18	655	
Washington	Washington st Charlest'n line .	Northerly Franklin ave	Private. Public.	75	1,060	350
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 Watson	Broadway Broadway	Cambridge line . Fairmount ave.	Private.	40		986 236
Waverly	Washington st	Roland st	Private.	35		200
Webster ave	Union sq	Cambridge line .	Public.	49.5	1,950	
Webster	Franklin st	Cross st	Public.	40	1,000	
Wellington ave	Walnut st	Montgomery ave.	Public.	40 40	215	85
Wellington ave Wesley pk	Montgomery ave. Wesley sq	Easterly Northeasterly	Private. Public.	40	405	•
Weslev !	Pearl st	Otis st	Public.	40	515	
West	Broadway	Heath st	Private.	30		250
West	Hawthorne st	Arlington B. R. R.	Private.	30	376	460
Westminster Weston ave	Broadway Clarendon ave	Electric ave Broadway	Public. Private.	40 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	269	855
Wheeler Whipple	Pinckney st Highland ave	Mt. Vernon st Arlington B. R. R.	Public. Private.	40 30	209	318
Whipple White	Elm st	Cambridge line .	Public.	50	307	
White St. pl	White st	Southeasterly	Private.	20		200
Wigglesworth	Bonair st	Pearl st	Public.	40	740	• • • •
William William	Chandler st Broadway	College ave	Public. Private.	40 50	381	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	150
Willow pl	Cambridge line .	South st	Private.	25 20		150 310
Wilson ave Wilton	Broadway Lowell st	B. & L. R. R Lawrence st	Private.	35		470
Winchester	Broadway	Medford line	Private.	40		65
Windham road .	Washington st	Northeasterly	Private.	40	200	335
Windom	Elm st	Summer st	Public.	40 40	300 575	
Windsor road Winslow ave [Willow ave College ave	Hancock st Clifton st	Public. 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	
Winthrop ave.			Private.			583

[†]Sidewalk in Somerville.

Table Showing the Location, Length, and Width of Public and Private Streets.—Concluded.

Street.	From.	То	Public or	Width in	Length.		
			Private	Feet.	Public.	Private.	
Woodbine	Centre st North st Victoria st	Lowell st Alewife brook Alewife brook	Private. Private. Private.	30 40 40	* * * * * * * * * * * * * * * * * * * *	600 1,350 415	
(Extension.) . Wyatt circle . Wyatt	Victoria st Wyatt st Concord ave	Tannery st. (Ext'n.) Wyatt st Lincoln parkway .	Private. Private. Public.	40 20 40	496	920 315	
Yorktown	{ 100 ft. north of Malvern ave. }	Cambridge line .	Private.	40		548	

^{*}Proposed.

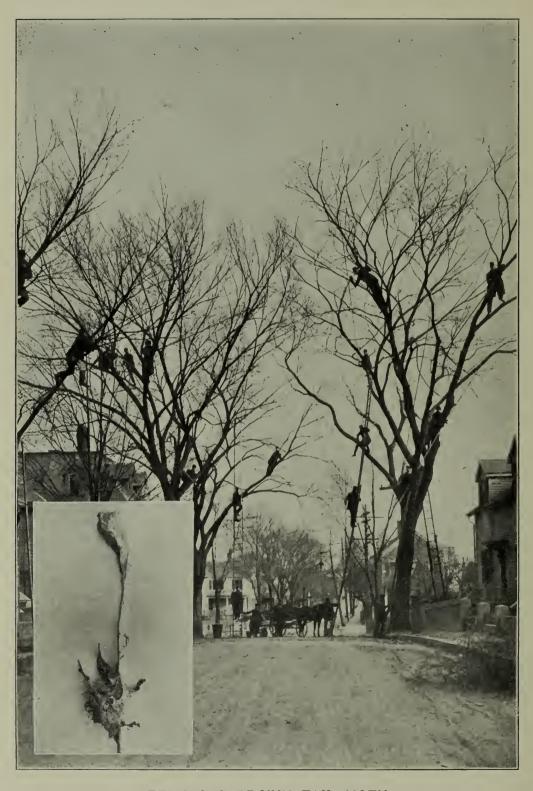
Court			16 Craigie st	Westerly	Private.	25		126
Court			26 Craigie st	Westerly	Private.	25		126
Court		٠	36 Craigie st	Westerly	Private.	25		126
Court			292 Broadway .	Southwesterly	Private.	15		96
Court			58 Dane st	Easterly	Private.	10		70
Court			66 Lowell st	Westerly	Private.	25		101
Court		٠	78 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		٠	612 Broadway .	Southwesterly	Private.	20		188
To	+-1						333,104	152,300

Public, 63.088 miles; private, 28.845 miles.

NAMES AND LOCATIONS OF PUBLIC SQUARES.

Name.	Area in Acres.	JUNCTION OF
Central Concord Cutter Davis Gilman Magoun Metropolitan . Oak Powder House Teele Union	0.53 0.50 0.72 1.00 0.49 0.46 0.51 0.64 1.34 0.38 2.05 0.03	Medford st., Cross st., Shawmut st., Prospect Hill ave. Concord ave., Newton st. Elm st., Summer st., Cutter ave., Russell st. Highland ave., College ave., Holland st., Elm st., Day st., Dover st. Medford st., Pearl st., Marshall st. Broadway, Medford st., Dexter st. Bow st., Somerville ave., Carlton st. Elm st., Somerville ave., Craigie st. Broadway, College ave., Warner st., Powder House boulevard. Broadway, Holland st., Curtis st., Newbury st. Somerville ave., Washington st., Webster ave., War ren ave., Bow st., Stone ave. Bow st., Summer st., Wesley park.
Total	8.65	





REMOVING BROWN TAIL MOTH.

REPORT OF THE STREET COMMISSIONER.

office of the street commissioner, January 1, 1902.

To His Honor, the Mayor, and the Board of Aldermen :-

I have the honor to present herewith the twenty-sixth annual report of the Street Department, covering the operations of

the year ending December 31, 1901.

The work of improving our streets and highways has received more careful attention than in any previous year, large sums of money having been expended for permanent pavements of brick, asphalt, and macadam.

Street Cleaning.

During the year two of the Mentzer street cleaners have been purchased from the Mentzer Street Cleaner Company, since the demands upon the department for cleaner streets are more and more urgent every year. The department has in service four street sweepers, one Barnard Castle scraper, and nine small hand carts, and to complete our sweeping equipment I would recommend the purchase of a gutter sweeper.

The patrol system has been continued, with good results. The city is districted, and to each district is assigned a man, supplied with a hand cart and the necessary implements for removing waste paper and other rubbish, loose stones, etc. He is also required to fill depressions in the streets, replace loose bricks in

sidewalks, and cut the grass on the borders of the walks.

Watering Streets.

Accepted streets have been watered under the law authorizing the assessment of the cost upon the abutters, and such watering as has been done in private streets has been paid for by the abutters in advance. The city pays \$80.00 a month for a driver and a pair of horses, and it owns twenty-six carts, each of which is thus equipped. The length of streets watered by each cart averages about two miles, and the streets are watered every day, including Sundays.

A capable assistant supervises the work and the fact that but very few complaints have been received during the year shows

that it was well done.

Much better results might be obtained, however, if the Boston Elevated Railway Company would co-operate with the city by watering its tracks with electric sprinklers.

I would recommend the purchase of one new watering cart

for use during the coming year.

Wide Tires.

The Legislature of 1900 passed an act to regulate the width of tires on draft wagons as follows:—

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.)

City Ledge.

The work of removing stone from the ledge between Broadway and Holland street is progressing. A large amount has been used during the year on South and Columbia streets, Middlesex and Mystic avenues, and a gang of men are kept constantly at work removing the softer stone for ballast and running the harder quality through the stone breaker. Considerable quantities have been sold during the year to the Boston Elevated Railway Company, Barber Asphalt Paving Company, Simpson Brothers, W. J. McCarty and others.

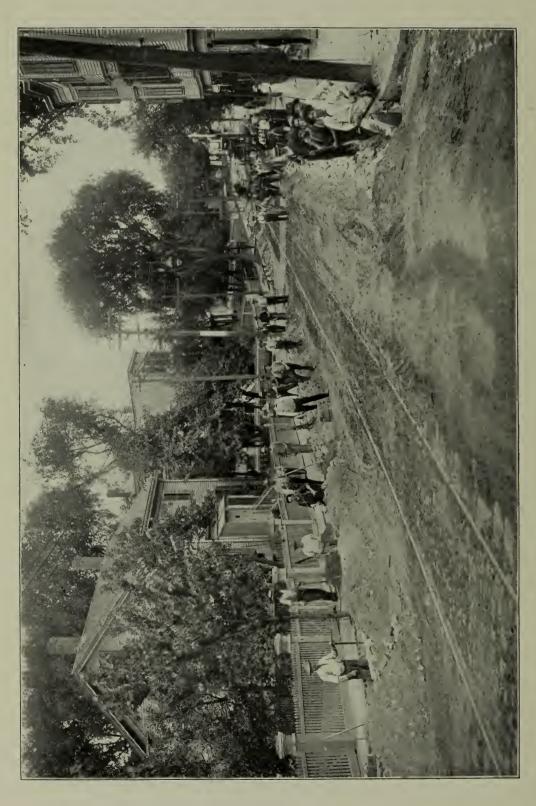
Bridges.

The bridge over the Mystic river at Middlesex avenue and the Fellsway boulevard is maintained by the city of Medford, which collects one-half of the cost from this city. Somerville's portion of the expense for the year 1901 was \$446.37. A new bridge will probably be constructed during the coming year to replace this one, and I recommend that the approaches be made solid to the Harbor and Land Commissioners' line.

Boston avenue bridge over the Mystic river and Broadway

bridge over Alewife Brook are both in excellent condition.





Subways.

Considerable trouble has been experienced at the Kent and Sacramento streets subways during rain storms, and once, during the past year, they were entirely filled with water. An automatic pump, called the Universal Water Jet Eductor, has been purchased and will be used at the subway at Kent street.

Union Square.

This square was paved with granite blocks in 1892, and the subsequent relocating of street railway tracks and laying of water pipes and sewers disturbed the paving to such an extent that its relaying became a matter of necessity. This work has been done during the past year, and it involved the relaying of 3,625 square yards of paving blocks, and 210.7 square yards of granite flagging crosswalks, and the re-setting of 111.1 feet of edgestones.

Cross Street.

The laying of double tracks in Cross street, and the paving of the street with asphalt between Tufts street and Broadway—a length of 2,150 feet—as provided for last year, have been carried out by the street railway company and the city. The paving has been laid by the Barber Asphalt Paving Company, at \$3.58 per square yard, and the work is guaranteed for ten years, with a bond in the sum of seven thousand dollars. The material removed from the roadway—some 2,500 cubic yards—was utilized on Mystic and Middlesex avenues. The edgestones, measuring 4,400 feet, were reset, the brick sidewalks—3,370 square yards—were relaid, and 217.4 square yards of vitrified brick crossings were laid at intersecting streets.

The land purchased by the Boston Elevated Railway Company at the intersection of Cross and Medford streets has been deeded to the city and laid out as a portion of the public streets for the purpose of widening them at this point. By this means the railway company's location has been changed, and the curve in its tracks lengthened so that the cars round the curve much easier and without the noise and jar which had caused so much complaint.

There are now 29 1-3 miles of street railway track in the city.

Brown-tail Moth.

Strenuous efforts are being made to stop the ravages of this pest, and men are constantly employed in the streets of the city, cutting from the trees and burning the nests, which is the only way to effectually destroy them. The nests or tents contain from one hundred to one thousand caterpillars, and may be seen

at the present time attached to the tip ends of the branches of the trees. This caterpillar is not only destructive to trees, flowers, and shrubs, but the hair of the insect, which is brittle and easily detached, floats in the air and comes in contact with the skin, producing intense irritation and sometimes suffering so severe as to require medical skill.

In England, not many years ago, these caterpillars became so numerous as to cause a panic, and prayers for their extermina-

tion were offered in the churches of London.

Satisfactory results cannot be attained here unless private individuals will attend to the removal of the nests upon their own premises, and for the sake of the comfort and well-being of others as well as themselves, this work should not be neglected or deferred.

Shade Trees.

During the year 141 trees have been planted and forty-nine cut down. Many trees are injured by horses gnawing the bark, or poisoned at the root by leaking gas, and the earth saturated with this poison will continue to kill even after the leaks have been stopped. Electric wires running through the trees are another cause of their dying. The swaying of the branches in the wind often wears the insulation from the wires and the high current of electricity is communicated to the trees, thus causing them to be burned.

The companies owning the wires always respond promptly to notices of damage sent them, but it is well-nigh impossible to prevent this injury to our shade trees so long as the electric wires remain above ground.

Street Openings.

The condition in which streets are left after the work of laying water, sewer and gas pipes, replacing poles and laying underground wires, urgently demands attention. Openings made for water service and sewer connections, and the replacing of pavements by unskilled workmen, can and do destroy pavements more than all the legitimate wear to which they are subjected. What is the best plan to adopt in these cases? That the various departments and companies making such openings shall be required to do all work of this description under the supervision of the Street Commissioner, with the exception of repaving, and that the latter be done by the Street Department, the entire cost of the same to be paid by the aforesaid departments or companies.

Miscellaneous Work.

Eighty-three street and guide signs have been erected during the year.





CROSS STREET, LAYING ASPHALT PAVEMENT.

The steam rollers have been in constant use since March. The Buffalo-Pitts twelve-ton roller is in good condition, but will require slight repairs. The Kelley fifteen-ton roller demands constant attention, and I would recommend that it be sold or exchanged for another. During the year the former has worked two hundred and thirty-seven days, and the latter two-hundred and twenty-five days.

The completion of the wall at Professor Norton's estate on Beacon street has greatly improved that part of the street. Two hundred dollars, Professor Norton's share of the expense of this work, has been paid to the City Treasurer as per agreement.

Ten thousand, eight hundred and ninety-two and seventenths square yards of brick and granolithic sidewalks have been laid; 23,006.3 feet, or over four miles of edgestones have been set, 655 square feet of granite flagging crossings have been laid and relaid, 425 square yards of vitrified brick, 93 square yards of which were in driveways, have been laid and relaid, 35.5 square yards of paving and flagging crosswalks, and thirty-seven square yards of asphalt crossings have been constructed.

One thousand, one hundred and sixty defects in streets and sidewalks have been reported by the Police Department, and have received immediate attention. Thirty-three thousand and forty-four feet of streets have been dug up for the purpose of laying

sewers, water pipes, gas pipes, and wires.

Eleven thousand, one hundred and twenty-six loads of debris, 4,195 loads of old macadam, 9,280 loads of street sweepings, 4,788 loads of snow, and 1,324 loads of ashes have been carted away during the year.

Four hundred and ninety permits have been issued granting

the right to obstruct the streets and sidewalks, to blast, etc.

Recommendations.

During the coming year, I would recommend that edge-stones be laid in Washington street, and that the gutter on the southerly side be paved with block stone from the Boston line to Tufts street; that Pearl street from Cross street to Gilman square, be resurfaced; that Medford street from Gilman square to Dartmouth street be resurfaced; that Mystic avenue be macadamized; that College avenue from Powder-house square to the Medford line be constructed; that Somerville avenue from Kent street to Elm street be paved; that Medford street from Broadway to Lowell street be paved; and that some additions be made at the city stables.

I wish to extend my sincere thanks to His Honor, the Mayor, the Board of Aldermen, heads of departments, and all city officials with whom I am associated, for their able support and hearty co-operation, and I would express my appreciation of

the conscientious work and efficient services of the foremen and laborers in my employ.

Highways Maintenance Account.

CREDIT.		
Receipts and credits:—		
Balance brought forward from last year's		
account \$40,402 45 Commonwealth of Massachusetts, street		
railway tax		
Labor and materials furnished prior to		
January 1, 1901, the bills for which re-		
mained uncollected that day 487 30		
Professor Norton, on account of rebuild-		
ing wall, Beacon street 200 00		
Highways, Watering Streets account, for		
labor	\$66,973	27
Value of materials on hand January 1, 1901	2,519	
Value of tools and property on hand January 1, 1901 .	16,351	
Net gain on tools, property, and materials	754	
T . 1 1'.	400 500	
Total credit	\$86,599	48
DEDIM		
Expenditures:—		
For repairs of sundry streets as appears by table B at		
end of this report	\$17,303	
General repairs of streets	11,659	
Repairs of stone paving	831	
Gravel placed on sidewalks	3,152 199	
Cleaning streets	9,304	
Removing snow and ice, and care of slippery sidewalks,	4,714	
Maintenance of Middlesex-avenue bridge	533	
Completing the rebuilding of wall at Norton estate,		
Beacon street (the bulk of the work having been	111	~ ~
done in 1900)	$\begin{array}{c} 111 \\ 225 \end{array}$	
Relaying wall at Durgin estate, Broadway Lowering driveway at Durgin estate, Broadway	50	
Building wall and steps, Broadway, in front of estates	90	20
near Westminster street	592	02
Changing grade and setting curb at Allen estate, Broad-		
way, corner of Billingham street	136	
Placing inside curb at Russell estate, Broadway	55	78
Setting edgestones at Paul Revere Park plot, Broadway, corner Main street . \$148 78		
Less credit from Public Grounds account, 93 28		
	55	50
Street signs	509	
Care of subways at Kent and Sacramento streets	147	59
Fence at Alewife Brook bridge, Broadway, leading posts	40	e0
and painting	42 556	
Moving tree, Benton road		60
Trimming trees	409	
Setting trees	124	
A	<u>Φ</u> ΕΩ ΕΩΞ	07
Amount carried forward	\$50,737	91



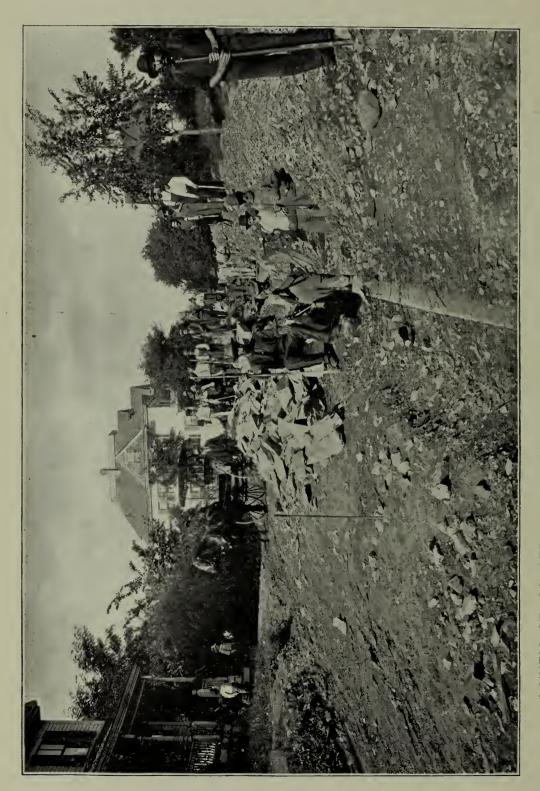
CROSS STREET, ASPHALT PAVEMENT,

Amount brought forward . Shade trees purchased .									
Shade trees purchased .		٠.		•				\$50,737 9	7
704 1 1 1 1 1	•			•	•			6 0	
Blacksmithing								790 0	0
Carpentering								66 0	
Sidewalk Assessment (Broad	lway	, at (City	Led	lge)			140 1	
Removing brown-tail moth	tron	ı tree	es :	•				174 2	
Superintendent's salary . Superintendent's team (boar				•				2,000 0	
Superintendent's team (boar	d of	one	hor	se)	•		•	282 8	88
Private work, the bills for	whic	ch re	maii	ned	unce	ollec	ted		
December 31, 1901 .				•	•	•	•	368 7	
Sundry expenses						•	•	934 1	
Books, printing, stationery, a	and	posta	ge	٠	•	•	•	67 3	5
Highways Construction acco	unt,	stock	tur	nısh	ed,	but i	10t	701 0	
charged, in 1901 Highways, Paved Gutters an	1 0	•		•	•	• , .	1.	761 0	0
Highways, Paved Gutters an	ia C	rossii	ngs	acc	ouni	, sto	оск	760 5	4
furnished, but not charg	gea,	ın 19	01	•	•	•	•	762 5	
Value of materials on hand the	is da	ly .		•	•	•	•	2,059 5	1
Value of tools and personal hand this day:—	pro	perty	7 01	1					
TT					Φ1	265	ΛΛ		
Carts and implements used v	i+1	hore	~~	•	Ф4 1	,365 ,803	50		
Harnesses and horse clothin				•		637			
Stable utensils and property	ıg .	•		•.		244	50		
Tools		•		•		,404			
Steam road rollers	•			•		,000			
Stone crusher and fittings.	•	•	,	•	1	,702	25		
Stone crusher and numgs.	•	•	•	•		,,,,,		\$16,157 3	3
								Ψ10,101 0	_
Total debit								\$75,307 8	2
				•	•	•	•	Ψ.0,00. 0	
Balance unexpended .								\$11,291 6	6
*									=
Highways,	Con	struc	tion	1 Ac	cou	nt.			
Highways,			tion	1 Ac	cou	nt.			
9		struc	tion	1 Ac	cou	nt.		440.000	
Highways, Appropriation			tion	1 Ac	cou	nt.		\$12,000 0	0
9	CR		tion	1 Ac	cou	nt.		\$12,000 0	0
Appropriation	CR	EDIT.	tion	1 Ac		nt.	٠	\$12,000 0	0
Appropriation	CR DI	EDIT.		•		nt.	٠	\$12,000 0	0
Appropriation Expenditures:— For advertising laying out C	CR Di	EDIT.	rair-			nt.	•	\$12,000 0	0
Appropriation Expenditures:— For advertising laying out Collee, Fremont, Hammo	CR Di	EDIT. EBIT. rell, H	Fair-	·		nt.	•	\$12,000 0	0
Appropriation Expenditures:— For advertising laying out Collee, Fremont, Hammo Museum, Sycamore	CR Di Conw ond,	EDIT. EBIT. rell, H Man	Fair- rion,	•		nt.		\$12,000 0	0
Appropriation Expenditures:— For advertising laying out C lee, Fremont, Hammo Museum, Sycamore a streets, Hillside park, P	CR Di Conwond, and	EDIT. EBIT. Tell, I Man Syo	Fair- rion, Iney ouse			nt.		\$12,000 0	0
Appropriation Expenditures:— For advertising laying out C lee, Fremont, Hammo Museum, Sycamore a streets, Hillside park, P park, Gilman terrace, Sp.	CR Di Conwond, and Cowdence	EBIT. rell, I Man Syc er-Herr ave	Tair- rion, Iney ouse nue,					\$12,000 0	0
Appropriation Expenditures:— For advertising laying out C lee, Fremont, Hammo Museum, Sycamore a streets, Hillside park, P park, Gilman terrace, Sp.	CR Di Conwond, and Cowdence	EBIT. rell, I Mai Syc er-Her ave	Tair- rion, Iney ouse nue,	•		nt.		\$12,000 0	0
Appropriation Expenditures:— For advertising laying out C lee, Fremont, Hammo Museum, Sycamore a streets, Hillside park, P park, Gilman terrace, Spand Gordonia road	CR Donwond, and lowdence	EBIT. rell, I Man Syc er-Her ave	Cair- cion, Iney ouse nue,	·	•			\$12,000 0	0
Appropriation Expenditures:— For advertising laying out College, Fremont, Hammon Museum, Sycamore astreets, Hillside park, Periodic park, Gilman terrace, Spend Gordonia road and Construction or partial construction or partial constructs as appears by table this report	CR Di Conwond, and Cowd ence	EBIT. rell, I Man Syc er-Her aver	Fair- rion, Iney ouse nue, of		•			\$12,000 0	0
Appropriation	CR Di Conwond, and Cowd ence	EBIT. rell, I Man Syc er-Her aver	Fair- rion, Iney ouse nue, of		•	· .5126	14	\$12,000 0	0
Appropriation	Conword, and cowdence A. Sosto	EBIT. rell, F Man Syc er-Her aver action at en	Cair- cion, lney ouse nue, of d of		•	· .5126		\$12,000 0	0
Appropriation	CR Disconsister A 	EBIT. rell, I Man Sycer-Her aver at en	Fair- rion, Iney ouse nue, old of		•	· .5126	14	\$12,000 0	0
Appropriation	CR Di Conword, and cowdence	EDIT. rell, I Man Sycer-Her aver at en con-averdof est	Fair- rion, Iney ouse nue, old of		•		14 00	\$12,000 0	0
Appropriation	CR Di Conword, and cowdence	EDIT. rell, I Man Sycer-Her aver at en con-averdof est	Fair- rion, Iney ouse nue, old of		•		14 00 00	\$12,000 0	0
Appropriation	CR Di Conword, and cowdence	EDIT. rell, I Man Sycer-Her aver at en con-averdof est	Fair- rion, Iney ouse nue, old of		•		14 00	\$12,000 0	0
Appropriation	CR Di Conword, and cowdence	EDIT. rell, I Man Sycer-Her aver at en con-averdof est	Fair- rion, Iney ouse nue, old of		•		14 00 00		
Appropriation	CR Di Conword, and cowdence	EDIT. rell, I Man Sycer-Her aver at en con-averdof est	Fair- rion, Iney ouse nue, old of		•		14 00 00	\$12,000 0 \$11,036 6	
Appropriation	CR Di Conword, and cowdence	EDIT. rell, I Man Sycer-Her aver at en con-averdof est	Fair- rion, Iney ouse nue, old of		•		14 00 00		4-

Highways, Paved Gutters and Crossings Account.

CREDIT.	
Appropriation \$18,000 Less amount overdrawn in 1900 8,302	00 44
Net credit	\$9,697 56
DEBIT.	
Expenditures:— For paved gutters, as per table F \$13,469 Street crossings, as per table H 1,584	
Total debit	\$15,054 50
Amount overdrawn	\$5,356 94
Highways, Watering Streets Accoun	ıt.
CREDIT.	
Contribution from abutters \$15,688 Public Grounds account, watering boule-	52
vard	00
	00
Total credit	\$15,88 4 52
DEBIT.	
Expenditures:— Charles I. Bucknam, looking after street	
watering \$600	
Teaming	
Repairing carts	
New standpipes (7) 313	
	3 00 . 00
Clerical service, making up assessment	
	: 66 3 0
	. 83
Total debit	. \$15,682 17
Balance unexpended	\$202 35
Highways, Paving Cross Street Accou	·nt
CREDIT.	1111,
Appropriation of 1900 brought forward . \$12,000	0.00
West End Street Railway Co. (4,405 square	
yards asphalt) 12,113 Paving stock taken from Cross street	
Total credit	. \$25,057 74
Amount carried forward	. \$25,057 74





LOWELL ST. CONSTRUCTION, BETWEEN SOMERVILLE AVE. AND SUMMER ST.

Amount brought forward	\$25,057 74
Expenditures:— Barber Asphalt Co \$22,4	451 24
Highways Maintenance, labor and use of	705 70
Total debit	\$23,156 94
	\$1,900 80
Balance unexpended	
Highways, Boston-Avenue Bridge Ac	ccount.
West End Street Railway Co., proportional part of cost of constructing bridge, as	×00.00
	500 00 292 3 2
Net credit · · · · · · · · · · · · · · · · · · ·	\$207 68
Expenditures:— Fence, 238 feet, and cutting stone for posts \$491 00 One-half to be paid by the City	
of Medford	245 50
	428 79
Holbrook, Cabot, & Daly, overcharge for gravel	240 25
Total debit	\$914 54
Amount overdrawn	\$706 86
	792 32 914 54
Total cost to this city \$9,7	706 86
Sidewalks Construction Account	nt.
. CREDIT.	
Appropriation	,000 00
	669 03
	799 16
sessed in 1901	33 75
Total credit	\$11,501 94
Expenditures:— For advertising sidewalk hearing (side-	
walk not constructed)	\$9 50
Amounts carried forward	\$9 50 \$11,501 94

Amounts brought forward .	•	\$9	5 0	\$11,501 94
Abatement on sidewalk assessment Walnut street (one estate)		16	72	
Fifty-two sidewalks constructed, a table C	_	24,786		
Constructing sidewalks, as per table Constructing sidewalk at Boston-a	e D . venue	950	90	
bridge		160	44	
of George L. Baxter	187 15			
Less amount paid from Appropriation Public Buildings	10, 10			
Maintenance, Schoolhouses,	93 58	0.2	E IT	
Constructing sidewalk in front		93	91	
of Bingham School, Lowell street	226 25			
Less amount paid from Appropriation Public Buildings	*****			
Maintenance, Schoolhouses .	113 12	113	13	
Constructing sidewalk in front of Benjamin G. Brown				
	328 70			
propriation Public Buildings	314 35			
Private work, the bills for which rem		314	35	
unpaid December 31, 1901 .		64		
	• •	10		
Total		\$26,519 12,393		
Cost to city				\$14,126 13
Amount overdrawn				\$2,624 19
			=	
Sidewalks Mainten	ance Ac	count.		
CREDIT	2.			\$5,000 00
Appropriation DEBIT.	• •	• •	•	\$5,000 00
Expenditures:—	•			
Bricks used in repairing sidewalks Edgestones	• •	\$1,114 62		
Labor		4,872		
City teams		560 102		
Total debit			-	\$6,711 69
Amount overdrawn				\$1,711 69
			=	





LOWELL ST. CONSTRUCTION, BETWEEN SOMERVILLE AVE. AND SUMMER ST.

The profit and loss account on city teams, tools, property and materials is as follows:—

CREDIT.	
Gravel, sand and stone from Wild Cat hi	ill . \$977 47
Bricks	. 281 23
City teams	. 1,765 97
*Holland-street ledge	. 1,000 00
Total	\$4,024 67
Total	
DEBIT.	
Tools (depreciation)	. \$229 08
Repairs of tools	. 63 84
Repairs of steam road roller	. 231 86
Steam road roller (depreciation)	. 200 00
Stone crusher and fittings (depreciation)	
Carts, rollers, etc. (depreciation)	. 306 19
Crushed stone	
Cement and lime	$\begin{array}{cccccccccccccccccccccccccccccccccccc$
Sand	. 337 78
Gravel	
Edgestones and paving stock	. 285 40
Total · · · · · ·	\$3,269 99
Net excess of credits over charges.	

The only charge made to the different jobs of work for the use of the steam road rollers has been the pay of the engineers at the rate of three dollars per day.

Seventy-five cents per one-horse load, besides the teaming, is charged for crushed stone, and fifty cents per one-horse load, exclusive of teaming, for gravel.

The charges to the city teams are as follows:—

Horses (depreciation	1) .								\$263 00
Repairs of carts, roll	lers, et	c.							2,718 65
Harnesses and horse									218 66
Repairs of harnesses									325 95
Stable utensils and p									15 78
Horseshoeing .									461 81
Troiseshoeing .			•	•	•	•	•	•	
Horse medicine and	doctor	ing						•	319 48
O 11									2,205 31
Hay and straw									3,225 30
Grain and feed.		•	•	•		•	•	•	2,902 39
								-	
Total									\$12,656 33

The number of horses in the department at the beginning of the year was thirty-nine, valued at \$3,690. Seven horses have been bought at a cost of \$1,118, four have been sold for \$180, and

^{*}This amount (\$1,000) was received from William J. McCarthy for the privilege of getting out stone during the year. The stone taken out by the city and sent to the crusher was charged to crushed stone at the cost of production.

three have died; leaving the present number thirty-nine, the same as at the first of the year. Their estimated value is \$4,365.00.

The charge to the various jobs of work for teaming is \$1.40

per day for each horse used.

In addition to the foregoing statement of charges to city teams, the sum of \$282.88 has been paid for the board of one of the horses used by the commissioner, which is kept for convenience at a stable near his residence. This appears among the items of expenditure from Highways Maintenance account.

In addition to the credits and expenditures mentioned in the foregoing accounts, labor and materials have been furnished other departments and credit received therefor as follows:—

Public Buildings I Public Buildings I Public Grounds Sewers Construct	Mainter •	nance,	Scho	s •		\$12 495 124 49	28 43
Total						\$681	46



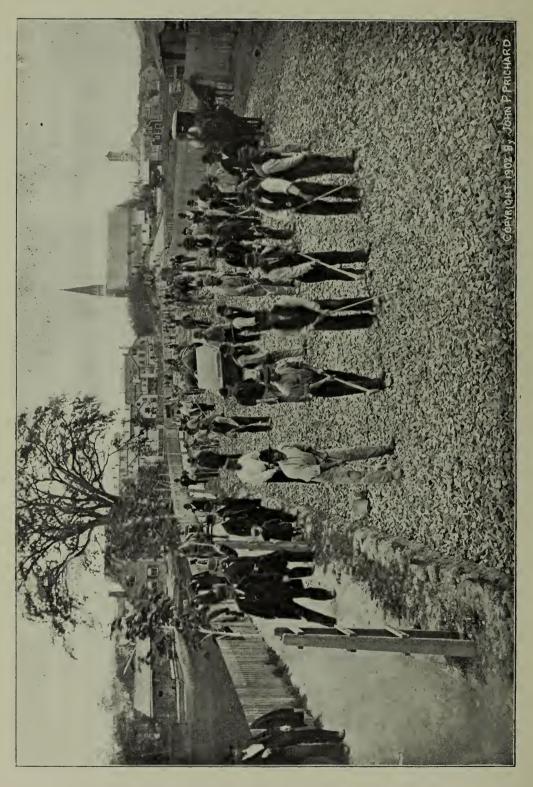


TABLE A.

Streets Constructed or Partially Constructed in 1901.

\$10,528 14	11,926			•	•	•	•		cost	et and	Length in feet and cost
	676			lly .	VA HOLLY		ANTITOM WASHING		Colucina Ivau		THE COURT
	200	•	٠		1X/ L 2	•	Willow Succe		Cordonia road		Windsor road
	490		•		Wholly		Hudson street	•	Highland avenue	•	Waldo
217 48	450	•	٠	IIy ·	Wholly	ਹ .	Arlington branch P		Holland street .	•	Thorndike
	986	•	•	Jy ·	Wholly		Water street .	•	Medford street .	•	South
	500		•	ally .	Partiall		Medford street	•	Broadway		Partridge avenue .
	350	•	•	IJ,	Wholly		Medford street	•	Broadway	•	Norwood avenue .
	1,366		•	Ily •	Whol	•	Cedar street .	•	Willow avenue .		Morrison avenue .
	735		•	Π _y .	Wholly		Washington street		Somerville avenue.		Mansfield
	450		•	∏ _y .	Whol	•	Albion street .	•	Highland avenue .	•	Lowell
	1,259		•	lly •	Wholly		Summer street	•	Somerville avenue.		Lowell
	320		•	Π _y	Wholly	•	Veazie street .	•	Pearl street		James
	376		•		Wholly		Estate of Richards	•	Broadway	•	Edmands
	831		•	ally .	Partiall		Grant street .	•	Temple street		Derby
	150		•	ally.	Partiall	•	Windham road		Former terminus .	•	Columbus avenue .
	816		٠	ally .	Partiall	•	Cambridge line		Webster avenue .		Columbia
	625		•	П _у .	Wholly		Westwood road	•	Highland avenue .		Benton Road
	1,360		•	lly .	Wholly		Central street.	•	School street		Avon
Cost.	LENGTH IN FEET.	ргга	D WHOLLY	CONSTRUCTED WHO	Co		To		From		STREET.
						-		-			The state of the s

TABLE B. Streets Repaired.

Cost.	\$\$98 97 230 25 754 58 75 12 1,939 10 2,041 06 316 97 4,389 54 909 00 1,502 26 309 48 119 50 103 08 1,759 09	\$17,303 78
FEET.	900 508 1,360 900 1,400 4,200 800 800 2,000 2,000 1,100 200 470 *5,825.7	20,738
DESCRIPTION OF WORK.	Macadamized	
To	Medford street Walnut street Central street Bridge at Mystic river Autumn street Alewife brook Medford line Walnut street Gilman square Northerly Austin street Mystic avenue Summer street Walnut street	
From	Broadway Vinal avenue School street Medford line Charlestown line Powder House square Davis square Davis square Magoun square Mystic avenue Charlestown line Broadway Wountain avenue Vinal avenue	cost
STREET.	Adams Aldersey Berkeley Boston avenue Broadway Broadway College avenue Highland avenue Medford Middlesex avenue Cross Cross Porter Summit avenue Union square	Length in feet and cost

* Square yards.

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.

4
Joseph street
Highland avenue
Broadway
Washington street
Veazie street
Centralstreet
Central street
Park avenue
At Robinson hall
Russell street
Highland avenue
Central street
Temple street
Broadway
Craigie street
Broadway
Broadway
College avenue
Dearl street
Grant street
Estate No. 73
Estate No. 61
At Bennett school

* Where not already laid. † Concrete.

TABLE C.—Concluded.

Cost.	\$10,477 20 709 24 1,253 04 321 43 1,180 88 393 99 349 35 1,111 90 1,111 90
YARDS OF BRICKS.	5,263.9 814.8 135.9 550.3 165.2 638.7 143.9
FEET OF EDGESTONES.	6,968.4 1,563.3 380.8 1,258.9 396.1 510.4 1,222.2 1,461.9 1,051.6 491.6 691.9 485.2 470.7 770.7 340 444.1 557 770.7 388.5 323.9 1,173.3 21,309.7
To	Brought forward. Summer street Bingham school Wilton street Albion street Summer street Nearly opp. Vernon st. Summer street Somerville avenue Broadway Sycamore street Clifton street Union street Clifton street Clifton street Flm street Medford street Medford street Medford street Flm street School street School street School street Boston & Maine R. R. Hudson street Boston & Maine R. R. Hudson street School street School street School street School street Wichdale avenue Pembroke street Boston & Waine R. R. Hudson street White st. place White st. place Willow avenue Villa avenue
From	Elm street
Side.	Easterly Easterly Westerly Easterly Easterly Westerly Westerly Westerly Westerly Westerly Southwesterly Both Southwesterly Both Southwesterly Both Southwesterly Both Southwesterly Both Southeasterly Southeasterly Both Southeasterly Both Southeasterly Southeasterly Both Southeasterly Both Southeasterly Southeasterly Both Southeasterly Southeasterly Both Southeasterly Southeasterly Both Southeasterly Southeasterly Both
STREET.	Linden avenue

Length of Edgestones and Brick Sidewalks in Each Ward.

WARDS.								EDGESTONES.	Bricks.
Ward One		•						14.582 miles.	11.478 miles
Ward Two				•				9.146 "	3.867 "
Ward Three								12.331 "	11.143 "
Ward Four	•	•	•		•		•	11.981 "	8.102 "
Ward Five		•	•	•	•	•	•	12.786 "	8.994 "
Ward Six					•		•	15.477 ''	7.614 "
Ward Seven		•	•	•	•	•	•	14.144 "	6.640 ''
Total				•				90.447 "	57.838 "

TABLE D.

Sidewalks Constructed where the Bricks and Edgestones were Furnished or Paid for by the Abutters.

For	Street.	Feet of Edgestones.	Yards of Bricks.	Cost to City.
William J. Anthoine C. R. Bunker. Allen F. Carpenter Nellie E. Cotter Thomas A Dewire Patrick J. Foley Thaddeus J. Flynn Ripley C. Gilman Gleason and Bowen Peter F. Kelley George W. Linnell John Martin Mulliken and Moore Luther T. Seaver F. J. Stanley George W. Welch	13 Melvin street 306 and 308 Summer st. 136 Willow avenue . Lowell street	37.2 28.6 57.3 149.8 25.4 56.4 24.3 72. 85.6 55.1 60. 23.3	26.4 36.7 27. 59.1 73.8 25.8 46. 75.6	\$8 90 23 65 17 65 15 50 49 48 9 40 8 50 42 20 22 30 12 65 44 60 13 50 21 93 5 25 20 55
	Total	675.	370.4	\$316 06

TABLE E.

Granolithic Sidewalks Laid, (the Edgestones being already set) the Abutters Paying the Excess above the Equivalent of One-Half the Cost of a Brick Sidewalk.

Owners and Locations.	Sq. Yards	Cost to City.
Abutters on Benton road, westerly side, from Highland avenue to Hudson street Abutters on Benton road, westerly side, from Summer street to northerly line of premises of Eugene P. Carr,	188.6	\$94 52
and easterly side, from Summer street to northerly line of premises of Carrie P. Moses	392.0	219 62
premises of Fred Berry to Benton road Ellenette Holland, 775 Broadway	583.8 48.6	296 40 24 30
Total	1,213.0	\$ 634 84

TABLE F. Gutters Paved in Connection with the Setting of Edgestones.

Cost.	\$114 63 145 43 35 65 65 90 00 150 35 1,956 86 103 82 120 35 120 35 135 30 110 31 11 00 20 40 20 4	\$8,270 98
Square Yards.	255 1,098 1,098 45 45 87 131 132 132 133 133 133 133 133 133 133	5,107
To	Hudson street Summit street S. W. line Fremont ave. Arlington line E'st'ly and thence n'th'ly Chapel street Chester street Beech street Grant street Grant street Cedar street Codar street Codar street Northwesterly Veazie street Northwesterly Summer street Northwesterly Summer street Bingham school Wilton street Summer street Rothwesterly Summer street Rothwesterly Summer street Summer street Rothwesterly Summer street	Carried forward
From	Highland avenue At Baxter school	
Side.	Westerly Easterly Northwesterly Both Northerly Southerly Southerly Easterly Northerly Both Northerly Southerly Southerly Both Northerly Southerly Southerly Both Northerly Southerly Southerly Southerly Both Northerly Southerly Southerly Southerly Southerly Southerly Northerly Northerly Southwesterly Northwesterly Northwesterly Northwesterly Southwesterly Northwesterly	
STREET.	Benton road Billingham Bolton Boston avenue Bowdoin Broadway Broadway Broadway Browning road Chandler Cottage avenue College avenue Cutter square Cypress Derby Edmands Elm Elm George George Hall avenue Houghton James Jaques Lowell Lowell Lowell Lowell Billing George George George George George George Hall avenue Houghton James Jaques Lowell Lowell Lowell	

TABLE F. - Concluded.

Cost.	\$8,270 98 444 20 285 97 285 97 282 72 580 60 153 60 153 60 206 69 206 89 208 80 1144 09 1145 39 248 48 248 48	\$13,469 51
Square Yards.	5,107 5,507 170 170 127 487 30 162 162 162 163 148 148 186 186 186 186 186 186 186 188 188 18	8,744
То	Brought forward Vernon street	Total
From	At Bingham school Willon street Highland avenue Washington street At Citzen buil ing Willow avenue Beacon street Mystic street Broadway Orchard street At No. 306 Medford street Holland street Holland street At No. 406 Medford street At No. 306 Medford street At No. 306 Medford street At No. 306 Medford street Goldon street Holland street At No. 306 At Brown school Gordonia road At Broadway Grove street	
Side.	Southeasterly Southeasterly Northwesterly Both Northerly Northerly Northerly Northwesterly Both Southwesterly Both Southwesterly Both Southwesterly Both Southwesterly Easterly Northwesterly Easterly Northwesterly Southwesterly Easterly Northwesterly Both Southwesterly Southwesterly Southwesterly Northwesterly Both Southwesterly Both Southwesterly Both Southwesterly Both Southwesterly Easterly Easterly Southwesterly Easterly Southwesterly Easterly Southwesterly Both Southwesterly Easterly Easterly Southwesterly Easterly Southwesterly Easterly Easterly Southwesterly Easterly Easterly Southwesterly Easterly Southwesterly Easterly Easterly Southwesterly Easterly Easterly Southwesterly Easterly	
STREET.	Lowell	

	TAB	LE	G.		
Driveways	Constructed	at	Expense	of	Abutters.

For.					STREET.
*Myron E. Barnes					. 21 School street.
Michael Canty .					. 7 Dane street.
Jennie E. Davis .					. 7 Brook street.
Fred W. Farrar .					. 89 School street.
Edwin J. Gilmore					. 39 Oak street.
Perkins-street Baptist of	hur	ch			. Cross street.
Emilie C. Selg .					. 15 Adams street.
				102	Jenny Lind avenue.
Joseph A. White .					150 Hudson street.

^{*} Driveway discontinued and sidewalk constructed.

TABLE H. Street Crossings Laid.

BRICK.

Beacon street, across same, at easterly side of Oxford street. Boston street, southerly side, across Prospect-hill avenue. Bow street, across same, to Police Station. Broadway, northerly side, at steps opposite Adams street. Broadway, northerly side, at steps opposite Central street. Central street, easterly side, across Summer street. Central street, westerly side, across Cypress street. Central street, westerly side, across Summer street. Central street, westerly side, across Westwood road. Cross street, easterly side, across Brook street. Cross street, easterly side, across Ellsworth street. Cross street, easterly side, across Flint street. Cross street, easterly side, across Fountain avenue. Cross street, easterly side, across Oliver street. Cross street, easterly side, across Webster street. Cross street, westerly side, across Auburn avenue. Cross street, westerly side, across Bonair street. Cross street, westerly side, across Cross-street place. Cross street, westerly side, across Everett avenue. Cross street, westerly side, across Flint street. Cross street, westerly side, across Gilman street. Cross street, westerly side, across Otis street. Elm street, northerly side, across Elston street. Highland avenue, northeasterly side, across Sycamore street. Prospect-hill avenue, southeasterly side, across Boston street. School street, westerly side, across Preston road. Summer street, northeasterly side, across Central street. Summer street, southwesterly side, across Central street. Summit avenue, southwesterly side, across Vinal avenue.

Granite Flagging.

Broadway, southerly side, across George street.

Gilman square, northwesterly side, from Pearl street to Boston & Lowell railroad.

Highland avenue, sources same at contarty side of School street.

Highland avenue, across same, at easterly side of School street. Tufts street, easterly side. across Cross street.

Asphalt.

Pearl street, across same, at easterly side of Cross street. Pearl street, across same, at westerly side of Cross street.

TABLE I. Streets Accepted in 1901.

STREET.	WARD.	From	То	WIDTH. FEET.	Length. Feet.
Columbus ave Conwell st Elmwood st Fremont st Gilman terrace . Gordonia road . Hammond st Museum st Powder house ter. Spencer ave Sycamore st Sydney st Thorndike st	36 754 62 67 654 7	End of pub. por. Highland ave. Holland st. Main st. Pearl st. Summer st. Dickinson st. Beacon st. Kidder ave. Cedar st. Highland ave. Temple st. Kingston st.	Windham road 73 ft. S. W. of Francis st. Cambridge line Meacham st. Northeasterly Highland ave. Concord ave. Cambridge line Liberty ave. Fanning ave. B. & L. R. R. Grant st. Arl'gt'n Br. R. R.	40 35 40 40 40 40 40 40 40 40 40 40	73 360 1,057 612 360 521 267 164 585 727 660 679 115

Length of Accepted Streets in Each Ward.

												Width.
Ward	1										,	8.50
66	2											7.03
66	3		,									6.12
66	4											8.07
66	5											10.15
4.6	5											10.30
"	7											12.92
									·	•	ı.	
Total	len	oth o	of acc	ente	d str	eets i	n the	city				63.09

Respectfully submitted,

John P. Prichard, Street Commissioner.

REPORT OF COMMISSIONER OF PUBLIC BUILDINGS.

Office of Commissioner of Public Buildings, City Hall, Somerville, Jan. 1, 1902.

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 1901.

The work of this department during the year, which was the second under the present city charter, has been largely routine, and devoid of any special occurrences. A few important additions and alterations to city buildings have been made, and are fully outlined in this report. A systematic inspection of all private construction has been made, and a marked improvement has been noticed in this branch of the work. The few violations which have been discovered have been cheerfully and willingly remedied by the various builders who were responsible for the violations, which in itself is evidence of the willingness of our local builders to remedy defects when requested.

The importance of the Inspection Department has been demonstrated in many instances. A careful and systematic inspection is absolutely necessary, and means much to our city in years to come. A wise and careful enforcement of the building

laws will be made by this department.

Inspection of Buildings.

There have been issued during the year 1901, permits for 366 new buildings and alterations. This number is twenty-seven more than in 1900.

The total estimated cost of new buildings and alterations in 1901 was \$987,330.00, while the same in 1900 was \$823,330.00,

showing an increase of \$164,000.00.

During the year 1901 there have been made 1,310 inspections of private buildings in course of construction. These included inspections of fire stops, chimneys, buildings injured by fire, and 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.										
DUILDINGS.	1	2	3	4	5	6	7	Total.			
Dwellings	4 4 1 19 0	9 1 1 21 1	10 1 0 11 0	7 7 1 11 1	52 5 0 13 0	93 6 1 5 0	64 6 1 9	239 30 5 89 3			
Totals	28	33	22	27	70	105	81	366			

Inspection of Plumbing.

The number of plumbing permits issued during the year	was	. 465
Permits for plumbing in new buildings	•	. 239
Permits for plumbing in old buildings		. 226
Number of buildings in which pipes were tested with wat	ter	. 364

The inspector has made a careful inspection of the plumbing work during the process of construction, and has instructed the plumbing contractors as to the interpretation of the ordinances.

The number of licenses and renewals issued to plumbers during the year is as follows:—

Number of master plumbers' licenses, 3	•	•	\$6 00 1 50
Number of master plumbers' licenses renewed, 20. Number of journeyman plumbers' licenses renewed, 25.	•	•	$ \begin{array}{cccc} 10 & 00 \\ 12 & 50 \end{array} $
Amount received in fees			\$30.00

Lincoln School.

During the year a new system of sanitation has been installed in this building. Five plumbing contractors submitted estimates for this work, which were opened in the office of the Mayor, and were as follows:—

W. L. Snow .						\$861 00
						763 00
Armstrong Brothers		•	•	•	•	733 00
H. W. Covell .	•	•	•	•	•	690 00
Thomas F. Martin						$650 \ 00$

Thomas F. Martin, of Buckingham street, Somerville, being the lowest bidder, was awarded the contract, and proceeded to install the system. The work consisted of tearing out the old system of closets and urinals, and installing a system of modern plumbing. All of the new fixtures were provided with a complete system of ventilation, which up to the present time has given complete satisfaction.

Bell School.

Estimates were solicited and received for laying new floors in eight classrooms and eight coatrooms in this building, as follows:—

Harris P. Tibbetts			•	\$765 00
G. F. Matthews .	•			744 00
Arthur_W. Berry.				720 00
	•			625 00
C. W. Stevens .				594 00

The lowest bidder, Clarence W. Stevens, of Aldrich street, Somerville, was awarded the contract, and proceeded to fulfill the same. This work was needed very much, and the marked improvement fully justifies the outlay.

Davis School.

Extensive repairs were made during the year on the exterior of the Davis school. The entrance steps on the south side had become defective through constant use, and it became necessary to rebuild them entirely. The work was executed by Clarence W. Stevens, of Aldrich street, and the cost of the changes was \$186.25.

Forster School and Annex.

In addition to the general repairs to this building, an office was fitted up for the master, on the first floor of the main building. Two rooms in the basement of the Annex were fitted up and furnished for classrooms, to relieve the crowded condition of the school, and are in use at the present time. There are at present twenty classrooms in use in these two buildings.

Sanford Hanscom School.

The entrance steps on the Rush-street side of the Sanford Hanscom school were rebuilt during the summer. This was made necessary by the action of the frost during the original construction. The cost of this work was \$169.47, and it was performed by Emanuel Horne, of Everett avenue, Somerville.

English High School.

The crowded condition of the English high school made it necessary to provide in some manner for eighty more seats. These seats were put in in different rooms of the building, where space would admit, and in the space formerly used for a coatroom. The space used for storage, leading from the stair landing, was re-arranged for use as a recitation room. Every effort possible has been made to find room for the pupils of this school, and so far this has been accomplished, although it has caused some inconvenience in the work of the school.





CLARK BENNETT SCHOOL.

Fire Buildings.

The various buildings used by the Fire Department have required no extensive alterations. The general repairs made necessary by the wear and tear have been made, and the buildings are in good condition at the present time, with the exception of the buildings occupied by Ladder Company No. 1, on which quite extensive repairs will be necessary during the present year.

School Buildings - Care and Repair.

The care and repair of the various buildings occupied by the School Department have been given careful attention during the year, and the various conditions constantly arising have been met and attended to. Many of our buildings are old, and continued alterations and repairs are found necessary in these buildings. The amount of money expended for this work seems large, but when it is considered that there are twenty-four buildings, many of them having been built several years, the amount does not seem unreasonable. In fact, the expenditure is absolutely necessary in order to keep the buildings in a comfortable condition.

George L. Baxter School.

The George L. Baxter school was completed during the year, and occupied at the beginning of the fall term. A full description of this building was given in the report of this department for the year 1900.

Benjamin G. Brown School.

The Benjamin G. Brown school was completed about May 1, 1901, and was occupied at the beginning of the school year in September. This building also was described in the last report.

City Hall Annex.

In accordance with an order passed by the Board of Aldermen, an appropriation of \$600.00 was made, the same to be expended in the construction of a room in the basement of the City Hall Annex for the Sealer of Weights and Measures. The plans of this work were prepared by this department, and estimates received as follows:—

Harris P. Tibbetts		•	•	\$665 0	0
George F. Matthews				650 0	0
Arthur W. Berry				645 0	0
Clarence W. Stevens				610 (0

Clarence W. Stevens, of Aldrich street, being the lowest bidder, was awarded the contract.

This work is now in process of construction, and will provide, when completed, very comfortable quarters for the office of the Sealer of Weights and Measures.

Public Library Building.

During the year the new stack room has been finished and furnished. The contract for finishing the room was awarded to George F. Matthews, of Medford street, for the sum of 1,045.00, the estimates received being as follows:—

Arthur W. Berry			\$1,353 00
Clarence W. Stevens			1,295 00
Harris P. Tibbetts			1,125 00
George F. Matthews			1.045 00

The steel stacks were installed by A. B. & W. T. Wester-

velt, of New York City, at a cost of \$4,200.00.

By the opening of the new stack room, it was made necessary to re-arrange the counters and book tables. The contract was awarded to J. H. Keenan & Co., of Otis street, East Cambridge, for the sum of \$290.00.

Police Building.

A new bath and toilet room was installed in the Police Building for the use of the officers. The estimates received for this work were as follows:—

Armstrong Brothers			\$349 00
James F. Davlin .			341 00
H. W. Covell .			295 00

H. W. Covell, of Perkins street, being the lowest bidder, was awarded the contract.

This work was completed in a satisfactory manner, and is greatly appreciated by the occupants of the building.

City Home.

During the summer of 1901 a new building was constructed at the City Home, which is used for storage of wagons, wood-chopping, and the washing of vegetables. Estimates were received for the construction of the building, as follows:—

Arthur W. Berry				\$1,285 00
George F. Matthews				1,186 00
Clarence W. Stevens			•	1,137 00
Harris P. Tibbetts				995 00

The contract was awarded to Harris P. Tibbetts, who was the lowest bidder.

This building was finished promptly, and has been occupied for several months.

Pest House.

Included in the purchase of the Russell estate, adjoining the City Home, was the house formerly owned by Mrs. Suzannah C. Cook. This building was divided into two parts, one of which was moved to a site adjoining the old pest house and fitted for the use of smallpox patients. Since completion, this building

has been occupied continually for its intended use, and the wisdom of the move must be noted. The cost of this work was \$336.00.

Health Department Buildings.

A new shed for the storage of the wagons and sleds of the Health Department was constructed on a site adjoining the stables. The cost of the same was \$495.00.

The estimates received for the construction of this building were as follows:—

L. A. Penney .			\$625 00
Harris P. Tibbetts			
George F. Matthews			605 00
Clarence W. Stevens			594 00
John Stackpole .			498 00

The contract was awarded to Arthur W. Berry, of Hudson street, Somerville.

Highway Department Buildings.

A building for the use of the Highway Department as a paint and repair shop was fitted up on a site near the city stables. This work was executed by John Stackpole, of Broadway, Somerville, and the building has proved a valuable addition to the equipment of the Highway Department. The cost was about 200.00.

Clark Bennett School.

In accordance with an order passed by the Board of Aldermen, His Honor the Mayor requested the department to prepare drawings and specifications for a twelve-room school building to be located on the site of the Jackson school, corner of Poplar and Maple streets, Ward 1. Drawings and specifications were prepared, and estimates asked for, which were received and opened in the Mayor's office, as follows:—

A. H. Hines			\$44,290 00
S. J. Kelley	e		
E. W. Clark & Co			44,000 00
Fessenden, Libby Co.			43,680 00
Lord Brothers			39,945 00
Arthur W. Berry			
George M. Davis & Sor	n.		38,225 00

The contract was awarded to George M. Davis & Son, Arthur street, Somerville.

Estimates for a heating and ventilating system for this school building were received, as follows:—

Ingalls &	Kendriken		•		\$5,985 00
Donnelly.	Merritt. &	Co.			5.943 00

Cleghorn Co				\$5,900	00
Lynch & Woodward				5,679	00
A. B. Franklin .	• •			5,675	00
A. A. Sanborn .				5,369	00
Huey Brothers .				5,357	00
Alexander Duncan &	Co.			5,139	00

This contract was awarded to Alexander Duncan & Co., Boston, Mass.

The work on this building was begun promptly, and has progressed satisfactorily, and at the present time the building is roofed in. It is expected that this building will be ready for occupancy about May 1, 1902. It has been named, by the Board of Aldermen, the Clark Bennett School.

Fuel Bids.

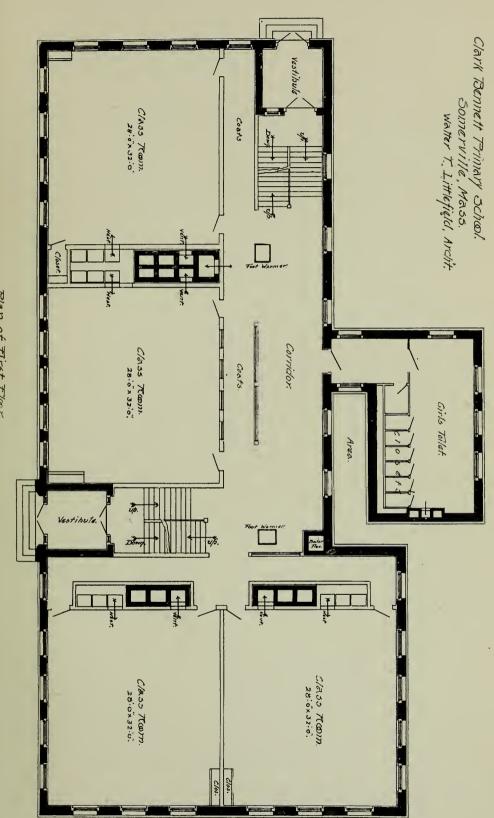
Proposals to furnish fuel were received as follows:—

	Furnace	Egg	Stove	Cumb.	H. Wood	S. Wood
Metropolitan Coal Co Wellington-Wild Coal Co	\$4 45 4 45	\$4 80 4 75	\$5 10 4 95	\$3 75	\$7 00 7 00	\$5 75 6 00

and the contract was awarded to the last-named company.

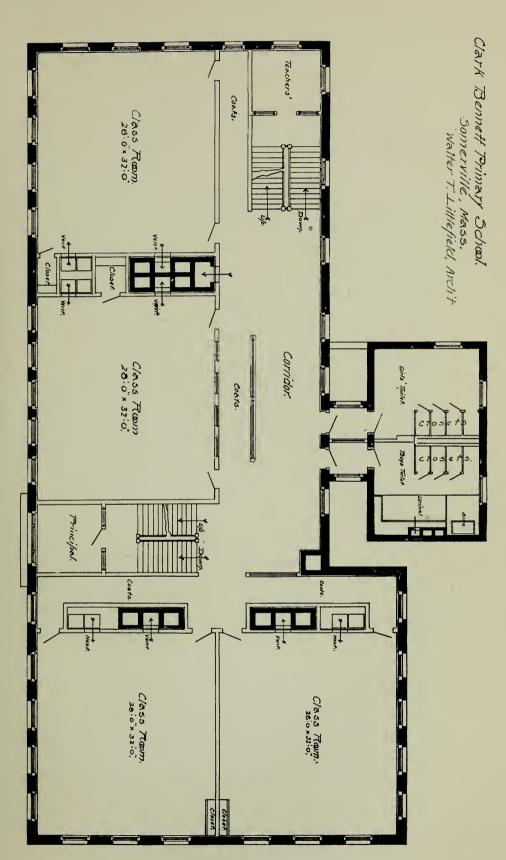
Consumption of Fuel. SCHOOLHOUSES.

										Tons.
Bell .				•						140
Baxter .		•								90
Bennett	•									15
Bingham	•	•	•					•	•	75
Brown	٠	•		•				•	•	60
	٠	٠	•				•	•	•	97
Burns	•	•	•					•	•	170
Carr .	•	•	•	•			•	•	•	
Cummings		•	•	•				•	•	30
Davis	•	•	•	•	•	•	•	•	•	39
Durell	•	•	•	•	•	•	•	•	•	55
Edgerly	•	•		•	•	•	•	•	•	124
Forster	•	•				•	•	•	•	282
Glines		•		•	•		•	•		171
Hanscom					•					73
High .						•				301
Highland										177
Hodgkins										143
Jackson										10
Knapp										220
Lincoln										43
Morse										130
Perry										115
Pope .								,		150
Prescott										182
	Iill									45
									-	
Total	•			•					•	2,937



Plan of Trist Tlar Scale 1/4 = 1/1.





Man of Second & Third Floors
Scale 16" - 11.



FIRE BUILDINGS.

						.				
										Tons.
Steamer 1										75
Steamer 2										57
Steamer 4	•									30
Hose 2	· .					•				25
Hose 3 and							•		•	20
Hose 5							•	•	•	16
Hose 6.	÷ .	:	•	•		•		•	•	30
Hose 7 and	Lad	der	2.	•	•	•	•	•		40
Total									_	202
Total	•	•	•	•	•	•	•	•	•	293
			MIS	CELL	ANE	ous.				
										Tons.
City Hall			•							82
City Hall A										42
Public Libra	ary									99
Police Build	ings									127
City Home		•	•		•		•	•		55
T-1-1									-	405
Total										405

Cost of Maintenance.

The cost of maintenance of the several public buildings is shown by the following tables:—

SCHOOLHOUSES.

School.		JANITOR.	F	UHL.	Light	rs.	REPAI	RS.	TOTAL.
Baxter Bell		\$512 33 1,056 50		415 63 667 40	\$254	99	\$71 1,150		\$999 12 3,129 34
Bennett Bingham .		382 28 600 00		81 75 331 83		•	44 299	15	508 15 1,231 48
Brown		285 48	3	289 00	_	10	251	37	829 95
Burns	•	1,200 00	1	540 10 863 47	17	80	$\begin{array}{c c} 277 \\ 312 \end{array}$	63 49	1,435 53 2,394 81
Cummings .	•	380 00		146 75			381		907 78
Davis	•	380 00		192 20	63	36	415	-	1,051 06
Durell Edgerly	•	587 00 830 00		260 92 577 56	26	74	204		1,052 40
Forster	•	1,739 50		092 47		16	$\begin{vmatrix} 201 \\ 1.133 \end{vmatrix}$	39 14	1,645 69 4,181 27
Glines		950 00) -,	789 05	37		424	59	2,201 15
Hanscom .	•	600 00	1	329 72		82		06	1,204 60
English High Latin High .	•	1,271 18 1,966 98	. 1	408 84	671		1,341 667		3,284 50 4,159 67
Highland .		873 00	,	842 12		40	200		1,955 49
Hodgkins .		902 0		662 47	12		653	77	2,231 04
Jackson Knapp	•	258 5		46 78				48	326 79
Lincoln.	•	890 00 510 00		943 88 209 12	42	15	618 1,059	30	2,494 47 1,778 42
Morse	•	830 00		571 90	11	90	442	79	1,856 59
Perry	•	600 00		587 88	2	90	106	18	1,296 96
Pope Prescott	•	830 00	1	709 79	32		274		1.847 17
Prospect Hill		902 00		$965 36 \\ 224 71$	132	33	$\begin{vmatrix} 261 \\ 100 \end{vmatrix}$		2,260 72 744 89
		120 00		44 II		•	100	10	111 00
Total .	·	\$20,356 69	\$13,	750 70	\$1,716	76	\$11,184	89	\$47,009 04
			1		1		<u> </u>		
Repair shop School supplies									171 20 1,084 13
Sundry expenses				•					853 71
Total mainte	nano	ce of schoo	lhouses	s .					\$49,118 08

FIRE BUILDINGS.

Building.			Fuel.	Light.	REPAIRS.	Supplies.	Total.	
Steamer 4 . Hose 2 Hose 3 Hose 5	•		•	\$412 62 335 25 142 98 117 03 93 75 116 30 142 49 178 80	\$311 01 185 71 107 12 47 10 95 95 90 89 78 01 70 58	\$220 17 200 59 241 63 97 21 58 24 237 51 30 40 139 67	\$15 70 80 25 51 4 39 3 16 2 15 	\$959 50 722 35 517 24 265 73 251 10 446 85 250 90 392 37
Total .	•	•		\$1,539 22	\$986 37	\$1,225 42	\$55 03	\$3,806 04

MISCELLANEOUS.

Building.	JANITOR.	Fuel.	LIGHT.	REPAIRS.	Supplies.	Total.
City Hall City Hall Annex Public Library . Police Bldg Support of Poor Health Dept Highways Sewers Public Grounds . Water	1,114 00	\$478 34 219 24 425 70 497 87 257 43 17 88 	\$913 57 45 58 1,326 28 480 97 195 71 52 70 108 30 	\$945 30 76 33 927 66 1,895 48 66 16 814 09 456 70 	\$186 20 2 75 6 65 167 67 3 27 21	\$4,221 41 763 90 3,714 29 4,155 99 519 30 887 94 565 21 13 13 21 50 120 80
Total	\$4,260 00	\$1,914 34	\$3,200 01	\$5,242 37	\$366 75	\$14,983 47

Respectfully submitted,
F. C. Fuller,
Commissioner of Public Buildings.

REPORT OF COMMISSIONER OF ELECTRIC LINES AND LIGHTS.

Office of Commissioner of Electric Lines and Lights, January 1, 1902.

To His Honor, the Mayor, and the Board of Aldermen:— Gentlemen,—I herewith submit my sixth annual report, for the year ending December 31, 1901:—

Electric Lines.

This department comprises the care and maintenance of all electrical appliances belonging to the city, also the supervision of

all poles and wires within the city limits.

One of the most important branches of this department, the fire alarm service, has received its usual careful attention. During the year fifteen and one-half (15½) miles of new wire have been run, and twelve (12) miles of old wire taken down. The apparatus of the fire alarm system consists of the following: One eight-circuit repeater, one eighteen-circuit entering board, ninety-seven fire alarm boxes, eight tower strikers and bells, twenty-nine gongs, eight indicators, nineteen tappers, five relays, three hundred eighty-six cells storage battery, two hundred sixty cells open-circuit battery, thirty cells gravity battery, thirty-four open-circuit bells, and one hundred twenty miles of wire.

I would again call your attention to the desirability of the city's wires being placed underground at the earliest possible opportunity, as the danger of accidents from contact with high ten-

sion wires increases greatly every year.

A gong has been placed on the station of the Somerville Electric Light Company, so that they may send their men to all second-alarm fires, thus greatly aiding the Fire Department by shutting off the current on wires near the fire.

A new tower bell has been placed in the tower of Engine Two's house on Broadway, which fills a long-felt want in that

section of the city.

The storage battery at present in use, now on its sixth year of service, has proved itself a great saving to the city, in comparison with the old gravity battery, as the total cost of running the storage battery for the five years has been less than fifty dollars, against four hundred fifty dollars a year to maintain the old gravity battery. During the year new plates will have to be purchased for the storage battery, which will make it serviceable for the next five or six years.

A new fuse board made from special plans prepared by the Commissioner has been installed in the operating room, thus adding greatly to the safety of the delicate instruments of the central station.

Would recommend the placing of two or more whistles in connection with the fire alarm service, which will be a great benefit to call-men in case of fire, and to teachers and pupils in stormy weather. Under the present circumstances, the latter cannot always hear the bells.

A notice has been placed on every fire alarm box in the city giving the penalty under the new ordinance for tampering with the fire alarm, which is five hundred dollars, or two years' imprisonment, or both. This has had a beneficial effect in keeping down the number of false alarms.

The police signal system, which comprises some forty-eight boxes, has received its usual careful attention, and is now in good

condition.

Street Lighting.

During the year there have been installed forty-four arc lights and one hundred thirty-one incandescent lights, making a total of four hundred forty-nine arc lights and four hundred and ten incandescent lights. All the arc lights are of the latest improved pattern enclosed lamps, which are a great improvement

over the old open arc lamp of last year.

The contract with the Welsbach Street Lighting Company having expired, their lights, with the exception of three in Westwood road, were replaced by incandescent lamps. The city at the present time I consider one of the best lighted cities in the state, and should think, with the exception of the new territory now being built up, very few lights will be needed during the ensuing year.

During the year several changes have been made in the location of lamps. By moving arc lights from some of the side streets to main thoroughfares, and replacing them with incandescent lights, quite an improvement has been made in the light-

ing system.

The electric lights are furnished by the Somerville Electric Light Company, under a contract made December 1, 1900, for a

period of six years.

The arcs are alternating enclosed arc lamps, requiring an electrical energy of not less than 422 watts on the average, and not less than 410 watts in any case.

The incandescents are the so-called 32-candle power lights. The lights burn every night and all night, the time not to exceed, however, an aggregate of 3,828 hours a year for each light

All poles, fixtures and lamps are furnished at the company's expense; but when the locations of lights and poles are changed,

the city pays therefor five dollars for moving each arc light, and three dollars for moving an incandescent.

The contract prices per year for arc lights are as follows:—When the number is less than 475, the price shall be \$110 each; when the number exceeds 474, but is less than 550, the price shall be \$105 each; and when the number is 550 or more, it shall be \$100 each.

The price for incandescents is \$30 each per year.

For each arc light out when it should be burning, the rebate to the city is as follows:—

When the price is \$110, two and 87-100 cents per hour; when it is \$105, two and 74-100 cents per hour; and when it is \$100, two and 61-100 cents per hour.

The rebate on each incandescent light not burning is 78-100 cents per hour.

ELECTRICAL DEPARTMENT ACCOUNT.

CREDIT.	
Appropriation	
Receipts:-	
Allowance on bill of Murphy Varnish Co	
Total credit	\$7,509 60
DEBIT.	
Expenditures:—	
For labor on wires, etc , \$3.350 68	
Salary of commissioner 1,300 00	
Fire alarm boxes (3)	
Wires, insulators, etc	
D 1 6 1	
Wagon repairs	
Printing, expressing, and postage	
Incidentals 91 35	
Total debit '	\$7,435 65
Balance unexpended	\$73 95
STREET LIGHTS ACCOUNT.	
CREDIT.	
	ΦE0 040 00
Appropriation	\$59,042 98
DEBIT.	
Expenditures:—	
Somerville Electric Light Co., lighting . \$55,015 00	
Somerville Electric Light Co., moving lamps	
Amounts carried forward \$55,160 00	\$59,042 98

Amounts brought forw Welsbach Street Ligh America, lighting Incidentals	iting .			of :	\$55, 3,	160 061 68	17	\$59,042 98
Total debit .								\$58,289 76
Balance unexpended					•		•	\$753 22
ELECTRICAL DEPAR	RTMEN	T—Bel	l for E	Engine	Two	Hous	se — A	ccount.
		CRE	DIT.					
Appropriation .		•	•	•	•	•	•	\$500 00
\		DEB	IT.					
Expenditures:— For removing bell from				.nd				
hoisting same at l						\$46	00	
Carpentering and sto	ock .					67		
Hardware .		•				3	10	
Bell			•	•		360	00	
Total debit .								\$476 32
Balance unexpended			•					\$23 68

EDWARD BACKUS, Commissioner of Electric Lines and Lights.

SOMERVILLE WATER WORKS.

SOMERVILLE, MIDDLESEX CO., MASSACHUSETTS.

Area of city, including land and water, about 4.22 square miles.

Population, 1900 (census), 61,643.

Entire population on line of pipe and supplied with water.

Water works owned by City of Somerville.

Construction commenced in 1868.

Source of supply: Metropolitan system, taking water of the Nashua river at Clinton, Mass.

Mayor

Hon. EDWARD GLINES.

Water Commissioner

FRANK E. MERRILL.

Office of the Water Department,

Room 10, City Hall.

Department Buildings and Yard,

Cedar street, near Broadway.

REPORT OF THE WATER COMMISSIONER.

office of the water commissioner, January 6, 1902.

To His Honor, the Mayor, and the Board of Aldermen:—

I have the honor to present herewith the twenty-eighth annual report of the Water Department, covering the operations of

the year ending December 31, 1901.

It is a pleasure to be able to say that our eighty-seven miles of street mains, carrying water under pressure varying from thirty to one hundred pounds per square inch, have caused very little trouble from bursts and leaks during the past year, and that the condition of our water distribution system was never better than at the present time. The troubles from bursting pipes will not be entirely eliminated, however, until all the old cement-lined mains are removed.

As all the expenses of the department for operation, maintenance, and construction (except house services), including interest and payment of maturing bonds, are paid from the revenue from water rates, the statement of primary interest is naturally that of

Water Income.

Water bills have been issued as follow	vs :—	-			
10,428 "Annual" water bills, amounting to . 2,079 "Additional" water bills, amounting to . 753 "Metered" water bills, amounting to .	•	•	•	\$155,359 8,711 51,116	23
Abatements made on the above charges .	•	•	•	\$215,187 2,845	
Leaving net amount of bills rendered .	•	•	•	\$212,341	53
This amount includes:—					
Uncollected "Metered" water bills, due January 1, 1902	\$13,	366 276 17	85		
	\$13,	660	27		
and should be reduced by the amount of abatements on water charges of previous years as follows:—					+1
On "Annual" water bills, 1899 account On "Annual" water bills, 1900 account On "Metered" water bills, 1900 account		12	65 65 64	23	94
Amount carried forward	•			\$212,317	59

Amount brought forward

\$212 217 50

Amount brought forward. The account has credit for the ar Commonwealth of Massac entrance fees, water supplies	nount rechusetts, d outside	eceir di: e of	ved from the stribution of district, and	\$212,317 59
water furnished water of Section 3, Chapter 488, Act		es,	1901, under	1,815 77
Total amount credited to Wa	ter Inco	me	account .	\$214,133 36
This amount was applied tion order of the Board of Al For water works purpose	dermen			appropria-
Appropriation for Mainte- nance	\$30,000	00		
Appropriation for Extension	25,000	00		
ments	500	00		
Interest on Water Loan Bonds	8,270			
Maturing Water Loan Bonds, Metropolitan Water Works	32,000	00		
Assessment	56,816	76 —	\$152,586 76	
For other municipal purp	oses:—	_		
Appropriation for Sewers, Maintenance Interest on Sewer Loan	\$10,350			
Bonds	6,440 8,000			
Reduction of Funded Debt (bala			24,790 00 36,756 60	\$214,133 36
Amount to reduction of Function Water Department:		bt		
Balance of Water Income . Balance of Water Mainte-	\$36,756	60		
nance Appropriation .	3,120	47		
Balance of Water Works Extension Appropriation	107	93		
Balance of Appropriation for Abatement	264	97		
	\$40,249	97		
Water has been furnished	d witho	ut	charge for all	municipal

Water has been furnished without charge for all municipal purposes, the same as during the year 1900. The reduction in water income resulting from this policy is about \$12,000 based on the charges of the year 1899.

There is a further reduction in the water income of 1901 of about \$6,000 resulting from the lowering of the rate for use of hose from \$5.00 to \$3.00. In 1901 there were 3,171 hose assessments paid, in 1900, 2,838, and in 1899, 2,607.

Department Receipts and Disbursements.

WATER	MAINTENANCE	ACCOUNT.
		D

	D_R .	Cr.
Amount appropriated by City Council from water income		\$30,000 00
Amount transferred from Water Works Extension account		6,000 00
Collections from sundry accounts for labor		
and materials		14,365 01 162 00
Materials furnished service department. Materials furnished construction depart-	\$2,682 30	
ment	10,133 06	
sons	1,213 45	
works and renewals of pipe	33,237 49	
Applied to Water Service account Unexpended balance of appropriation	140 24 3,120 47	
	\$50,527 01	\$50,527 01
WATER WORKS EXTENSION	ACCOUNT.	
A	Dr.	CR.
Amount appropriated by City Council from water income		\$25,000 00
Collections from sundry accounts for labor and materials		313 52
Amount transferred to Water Maintenance account	\$6,000 00	
Labor and materials used in extension of the water works	19,205 59	
Unexpended balance of appropriation .	107 93	
	\$25,313 52	\$25,313 52
WATER SERVICE ACCOU	NT.	
229 water service assessments	DR.	CR. \$4,041 39
Balance from Water Maintenance account,		140 24
Labor and materials used in water service construction	\$4,181 63	
	\$4,181 63	\$4,181 63
REFUND ACCOUNT.		
A	Dr.	CR.
Amount appropriated by City Council from water income		\$500 00
Amount refunded to Water Consumers . Unexpended balance of appropriation	\$235 03 264 97	
	\$500 00	\$500 00

Cost of Water Works.

The total cost of the water works on December 31, 19 as represented by the expenditures from appropriate total cost of the water works on December 31, 19	00, ia-	
tions for water works extension, was Expended during the year 1901, on extension account		\$766,484 6 3 19,205 5 9
Total expenditures, December 31, 1901		\$785,690 22

Water Debt.

The indebtedness of the city on account of the water works on December 31, 1900, was \$207,000; this debt has been reduced during the year 1901 by the payments of bonds, maturing July 1 and October 1, to the amount of \$32,000; the indebtedness being now represented by bonds drawing interest as follows:—

\$165,000.00 at 4 per cent. per annum. 10,000.00 at $5\frac{1}{2}$ per cent. per annum.

Total . . \$175,000.00

These bonds become due as follows:-

YEAR.	Amount.	YEAR.	Amount.
1902	\$29,000	1912	\$6,000
1903	*23,000	1913	6,000
1904	15,000	1914	6,000
1905	6,000	1915	5,000
1906	16,000	1916	5,000
1907	17,000	1917	5,000
1908	7,000	1918	5,000
1909	6,000	1919	4,000
1910	6,000	1920	2,000
1911	6,000		

The following table, exhibiting the financial condition of the department from its first movements, is presented for reference and comparison:—

YEAR.	Water Loan Bonds Issued on Funded Debt Account.	Reduction of Funded Debt by Payments of Water Loan Bonds.	Expenditures for Construction of Water Works.	*Revenue from Water Works.
1869 1870 1871 1872 1873 1874 1875 1876 1877 1878 1879 1880 1881 1882 1883 1884 1885 1886 1887 1889 1890 1891 1892 1893 1894 1895 1896 1897 1898	\$\$0,000 00 60,000 00 60,000 00 90,000 00 15,000 00 20,000 00 10,000 00 40,000 00 20,000 00 7,500 00 20,000 00 20,000 00 20,000 00 20,000 00 20,000 00 25,000 00 90,000 00 25,000 00 90,000 00 25,000 00 91,000 00 25,000 00 10,000 00 28,000 00		\$92,203 27 66,546 50 43,648 66 43,288 33 27,691 26 34,294 06 13,375 76 6,409 49 13,845 74 514 13 791 56 19,338 89 81,117 43 53,411 79 40,708 48 34,863 17 35,545 30 28,375 67 32,007 44 16,631 83 10,000 00 26,970 22	\$911 39 1,907 63 3,151 30 3,719 91 5,084 97 6,818 20 9,652 37 10,268 06 10,735 90 11,584 89 12,341 60 12,999 79 14,697 37 19,354 28 19,661 67 20,085 95 21,542 28 21,444 91 42,650 57 50,419 07 51,470 91 55,879 72 60,150 80 77,640 91 78,459 73 83,401 30 89,431 46 95,719 69 99,688 57 a 200,735 03
1899 1900 1901	\$1,017,000 00	\$2,500 00 \$2,500 00 \$2,500 00 \$2,000 00 \$842,000 00	19,978 59 24,927 06 19,205 59 \$785,690 22	b 214,280 S3 c 222,322 15 d 212,072 56 \$1,840,285 77

Total issue . Total payments					# "/
Present water	r da	ht			\$175,000,00

^{*}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

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.

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.

d. Includes metered water charges for 1901 only.

Inspection and Waste.

Ten thousand eight hundred and forty-eight inspections have been made in the annual canvass for water assessments. Increased attention has been given to the subject of waste of water, and the number of defective water fixtures reported indicates an opportunity for householders to perform valuable service in the matter of conserving our present water supply. Two thousand, seven hundred and fifty six defective water fixtures have been discovered, viz.:—

Tanks and	water	cl	osets			1,944
Faucets						740
Pipes				•		72

The Metropolitan Water Board calls attention to the fact that the per capita consumption of water in the Metropolitan district has increased forty-nine per cent within the last decade, and the Board is now considering the advisability of metering the water supplied to the several municipalities, hoping thereby to

produce a direct incentive for a prevention of the waste.

There is no desire to restrict the legitimate use of water, but on the other hand to furnish an abundance for all domestic and sanitary purposes. It is only the careless and ofttimes wilful waste of water that calls for restriction; such waste as occurs from defective plumbing fixtures, from constant running of water to prevent freezing, and from other causes, all of which could be remedied by the expenditure of a little care and money on the part of the tenant or owner. For those who are persistently neglectful of their duties in such matters the best remedy seems to be the installation of water meters, and the consequent charge for the actual quantity of water consumed and wasted.

Hydrants, Gates, etc.

It is cause for congratulation that our firemen have not been hampered in their work of extinguishing fires by defective or

frozen hydrants.

Great care is exercised, especially throughout the winter season, to keep all fire hydrants in proper working order, and there have been no complaints of improper or insufficient service. All the city fire hydrants receive a careful inspection annually, and are left in proper condition. The hydrant formerly standing in what was called the "island" in Union square has been removed and set in the sidewalk in front of Hill building; it has also been connected with the high service system.

Old hydrants have been replaced with new ones, and additional hydrants have been set where conditions called for them as well as in several localities suggested by the Chief of the Fire

Department.

The tables which follow give details of this work, and show that seventeen hydrants have been moved or abandoned, and forty-six have been set, making the net increase twenty-nine, and the total number now in the city 926, or one to about every 500 feet of main pipe throughout the city, or, approximately, one to

each sixty-seven inhabitants.

In connection with the construction and renewal of pipe lines, sixty-two main gates have been set, and seventeen have been removed, making a net increase of forty-five. The total number in the city is now 1,248. One eight-inch check valve has been set between the high and low service systems in Mt. Vernon avenue.

Eleven blow-offs have been added to the system during the

year, making the total number 119.

Seven new waterposts have been set at the request of the Highway Department for street-watering purposes, in the following locations:—

Adams street, near Broadway.
Bonair street, near Wigglesworth street.
Dana street, near Pearl street.
Medford street, near Ward street.
Mt. Vernon street, near Broadway.
Somerville avenue, near Oak square.
Temple street, near Heath street.

The total number of waterposts in the city is sixty-six. The waterpost on Beacon street, formerly standing 160 feet west from Buckingham street, has been moved to thirty-three feet west from Concord avenue.

Renewal of Street Mains.

The removal of the old cement-lined water pipes has made further progress during the year. Between two and three miles of this pipe now remain in use, the oldest being that in portions of Central street which was laid in 1868. There is also cement-lined pipe of considerable age in several other streets which is liable at any time to give out and cause damage.

There has been some hesitation in entering upon certain of these streets to relay the pipes before the danger became actually apparent, on account of the present excellent condition of their roadways, but it is probably better to make the necessary disturbance of the street surface now than to take further chances

with the old water mains.

The total number of feet of iron pipe laid during the year in

place of the cement-lined pipe was 6,549.

The number of bursts and leaks on the system of distribution mains was fourteen, none of which caused any property damage.

Extension of Street Mains.

No extensive demands have been made during the past year for water mains in undeveloped territory. A large portion of the work on construction account has therefore been in perfecting the water circulation system of the city. One of the most important portions of this work was the laying of a 12-inch high-service main in Central street, from Highland avenue to Monmouth street, and connecting thereto the water mains in Gibbens street, Cambria street, Westwood road, Monmouth street, Oxford street, Berkeley street, and Avon street, all of which had previously been "dead ends." The old cement-lined main on the easterly side of the street, laid in 1868, is still in service as a circulation pipe on the low-service system, but can, if necessary, be cut off without causing any deprivation of water to houses or fire hydrants. This line of pipe should be retained in service as a cross connection between the southern and northern low-service systems, and should, as soon as practicable, be replaced with an iron main.

The 12-inch high-service pipe line in Highland avenue has been extended from Grove street to Cedar street, and connected there with the Spring-hill high-service system. Davis square now enjoys a high-pressure fire supply, the water pressure at the outlets of the hydrants attached to this line in and near the square being about ninety-five pounds per square inch. In all, nine fire hydrants are connected to this line, four in the immediate vicinity of Davis square and five on Highland avenue.

On account of peculiar difficulties and dangers connected with the construction of the Highland-avenue pipe line, the trench being of considerable depth and but eighteen inches from the rails of an electric car line carrying a heavy traffic, it was deemed advisable to have the excavation and back-filling performed by contract and it was so awarded to Mr. Charles A. Kelley. One of the stipulations of the contract was that only citizens of Somerville should be employed on the work.

Other streets in which new pipe lines have been laid during the year are East Albion street, Evergreen avenue, Heath street, Holyoke road, Josephine avenue, Lowell street, Meacham street, Miller street, Mt. Vernon avenue, Mystic street, Pearson road, Powder House terrace, Pritchard avenue, Rogers avenue, Windom road, and Wyatt circle.

The tables which follow give further details of this work.

The total number of feet of new mains laid in 1901 is 11,652.

The total main pipe mileage of the city is now about eighty-

six miles, 2,919 feet.

Drinking Fountains and Troughs.

A new ice-water drinking fountain of ornamental design has been set in front of the Masonic building in Gilman square, and was well patronized and appreciated during the heated term. Three drinking fountains of the bubbling type have also been set, one each in Lincoln park, Franklin park, and Belmont park.

The ornamental horse trough in Gilman square has received some heavy blows from passing teams, and has been considerably damaged thereby; its light structure is hardly fitted for a location on a main thoroughfare where it stands as a butt for the poles of heavy teams handled by careless drivers.

The old drinking fountain on Highland avenue, in front of City Hall annex, was removed on account of its defective condi-

tion.

There are now in the city six drinking fountains, four horse troughs, and one combination fountain.

Service Department.

Two hundred and twenty-nine new service pipes were laid in 1901, of a total length of 8,733 feet. The total mileage of service pipes in the city is about 66 miles 4,121 feet, and the number of house connections 10,520.

A prominent feature of the service department work is found in the repair and renewal of old service pipes which are gradually becoming corroded and filled up, in setting stop gates and gate boxes, and in the renewal and re-adjustment to grade of old boxes.

Two cases of electrolytic injury to service pipes have occurred during the year, one in Webster avenue opposite number 79, the other in Willow avenue opposite number 130. Both these cases have been brought to the attention of our Commissioner of Electric Lines and Lights and of the officers of the Boston Elevated Railway Company.

Meter Department.

But few new meters have been set during the year.
At the beginning of the year the number of meters
in operation was
The number of operating meters added during the
year was
Meters removed during the year 8
Total number of meters in operation December 31,
$1901 \dots \dots$
Motor and elevator clocks in operation December
31, 1901 8

METERS IN USE DECEMBER 31, 1901.

	5/8"	3/4"	1"	1½"	2"	3"	4"	6"	Total.
Empire Crown Gem Hersey	1 6	6	4	1 1	1 1	1 3	1 1	1	1 21 1 12
Hersey Disc Torrent Trident Union Union Special Lambert	1 41 6 13	41 8 11	6 20 9 6	5 2	6 5	1 1	$\frac{1}{2}$	1	10 1 115 33 17 13
Totals	68	66	52	10	15	6	5	2	224

There was consumed in 1901, 47,918,011 feet, or about 359,385,082 gallons of metered water for which the city received \$51,116.54.

Summary of Pipes and Fixtures.

Following is a general summary of the pipes and fixtures of the water system, December 31, 1901:—

Number Number Number	of:	feet of s	servi	ce j	oipe	(app	roxi	mate	ely),	35	56,999 52,601 10,520
Number											926
Number											42
Number											1,248
Number											7
Number	of	meters				•					224
Number	of	waterpo	osts		•						118
Number	of	blow-o	ffs					•			119

The annual inventory of stock on hand, tools and machinery, teams and stable equipment, pumping apparatus, and furniture shows a valuation of \$27,718.83; 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 \$825,000.

Metropolitan Water Works.

New legislation has been obtained by the Metropolitan Water Board by which the full annual cost of the works under their charge is assessed on the municipalities in the district. Under this system the assessment levied on this city in 1901 was \$56,816.76, the amount previously estimated by the Board having been \$61,600.00. Somerville's proportion of the entire annual requirements on account of the Metropolitan water works is about four per cent. under the present valuation and population basis. The water furnished has thus far been of abundant quantity and, for the most part, of good quality.

The Metropolitan Water and Sewerage Board has, however, deemed it advisable to restrict certain privileges which have here-

tofore been enjoyed in portions of the water district.

Under date of August 3, 1901, the Board served notice that, under the authority granted by Section 10 of Chapter 488 of the Acts of 1895, which provides that the Board may take all proper measures to prevent the improper use or waste of water, the Board had adopted regulations regarding the use of hand hose and lawn sprinklers in the several municipalities comprising the Metropolitan water district, to be enforced throughout the entire district on and after January 1, 1902, of which the following is a copy:—

Regulations for the Use of Hand Hose in the Metropolitan Water District.

Adopted by the Metropolitan Water and Sewerage Board August 2, 1901. The use of water through hand hose, on premises where the water supply is not metered, shall be restricted to two hours in each day, such use to be had between the hours of 5 and 8 A. M. and 5 and 8 P. M.

"The hose must be used with a nozzle not exceeding three-sixteenths of an inch in diameter, and while so used must be held in the

hand of a person on the premises of the water taker.

"On premises where the water supply is metered, the above restrictions do not apply, and a lawn sprinkler may be attached to the hose."

Appendix.

Further details concerning the year's work of the department, locations of hydrants and other fixtures of the water works. appear in the tables appended hereto.

Respectfully submitted,

FRANK E. MERRILL, Water Commissioner.

Locations of New Mains Laid, Length and Size, Number of Gates, Hydrants, Etc., Set in 1901.

oun-	Б етиктие Т	, , , , , , , , , , , , , , , , , , , ,	2
,STS	Матек Ро	т п	က
CHECK VALVES.	.oN		
CHI	.azi2	•	
BLow- OFFS.	.oN	HH . H	4
BL	Size.	, 4 4 % % % % % % % % % % % % % % % % %	
SET.	.0N	- 6	=
HYDRANTS SET.	Kind.	Mathews Mathews Mathews Mathews Bigelow Mathews Mathews	
ss .	.oN		17
GATES SET.	Size.		
PIPE LAID.	No. Feet.	1,300 1,300	2,904
PIPE	Size.	10.00 00 00 00 00 00 00 00 00 00 00 00 00	
	To	Con. with Monmouth st. Dead end Con. with 8" iron pipe Main in Moreland st. Main in Sycamore st. Dead end Con. with 12" near Mt. Vernon ave. Con. with 6" iron pipe	Carried forward
	From	Waterpost Con. with Central st. H. S. Con. with Central st. H. S. Waterpost Hydrant Main in Highland ave. Blow-off Con. with Winslow ave. Con. with Windham road Waterpost Hydrant Hydrant Main in Ash ave. Hydrant Main in Dartmouth st. Blow-off Hydrant Main in Dartmouth st. Blow-off Hydrant Main in Bontain Con. with iron pipe Blow-off Hydrant Gate Drinking fountain Con. with iron pipe Blow-off Hydrant Main in Bond st. { Main in Bond st.	
	NAME OF STREET.	Adams st. Avon st. Berkeley st. Bonair st. Cambria st. Central st. Central st. Clifton st. Columbus ave. Dartmouth st. Dartmouth st. Dickinson st. East Albion st. East Albion st. Erargreen ave. Evergreen ave. Farm lane Farm lane Farm lane Farm lane Farm lane Garfield ave. Garfield ave. Garfield ave. Garfield ave. Garfield st.	

LOCATIONS OF NEW MAINS LAID, LENGTH AND SIZE, NUMBER OF GATES, HYDRANTS, ETC., SET IN 1901. - Continued.

оии- обна.	Депикиие I Тапиз, Тво	8				-							ಣ
.STS	Матак Ро	က					,			⊢ 1			ಬ
CK VES.	.oV								-	4			<u> </u>
CHECK VALVES	.azi2								ζ.				
BLOW-	.oN	4		-		-							80
BLOW	Size.			<i>"</i> 9	<u>*</u>	۲							
BT.	.oN	==		4	=	١	-		4	H	-	-	23
HYDRANTS SET.	Kind.		;	Mathews	Holyoke		P. & C.	Mathews Mathews Mathews		Mathews	Mathews	Mathews	
ES r.	No.	17	27				H .			-63			34
GATES SET.	.azi2		12"	,Ӽ	4,0,4,4	6" 10"	, %	ů ů		2,59			
PIPE LAID.	No. Feet.	2,904	2,514	490 490	764 151 15	600	174	04 48 18 7 2 8 7	413	207	e - 2	278	9,354
Pipe	Size.		12" 10"	 စီစီစီ •	4,04,4	10"	్థీ జీ	ම් ල්ල් ශ්	12"			હૈં ઢૈં હૈ	
	To	Brought forward	Con. with 12" pipe opp. Grove st.	Con. with 6" iron pipe		Con. with 6" iron pipe Main in Hudson st.	Con. with 8" opp. Ash ave.	Dead end Con. with 6" iron pipe	Con. with 12" pipe	Con. with 6" iron pipe		Dead end	Carried forward
	Froм		10" main in Cedar st.	Blow-off Main in Elm st.	Blow-off Main in Frederick ave. Blow-off Blow-off	Drinking fountain Con. with 12" near Som'rv'lle ave. Main in Highland ave.	Hydrant Con. with Mt. Vernon ave.	w aterpost Con. with 6" iron pipe Main in Central st. Hydrant	Con. with Meacham st.	Waterpost Main in Mystic ave.	Hydrant Con with Control et H S	North line of Broadway	
	NAME OF STREET.		Highland ave.	Highland ave. Holyoke road	Holyoke road Josephine ave. Kidder ave. Lawrence st.	Lincoln park Lowell st. Lowell st.	Lowell st. Meacham st.	Mediord st. Miller st. Monmouth st. Morean st.	Mt. Vernon ave.	Mt. Vernon st. Mystic st.	Otis st.	Pearson road	_

LOCATIONS OF NEW MAINS LAID, LENGTH AND SIZE, NUMBER OF GATES, HYDRANTS, ETC., SET IN 1901. - Concluded.

лене,	ояТ ,еиіат		4
	Матек Ро	1 1 I	1-
	.oV		-
CHECK VALVES.	.əziZ		
_	.oV	∞ ⊢ ⋈	11
BLOW- OFFS.	Size.		
ET.	.oN	53 - 7 - 7 - 7 - 7 - 7 - 7 - 7 - 7	31
HYDRANTS SET.	Kind.	Mathews Holyoke Mathews Mathews Chapman Mathews B. M.	
ES.	.oV	# 00 01	46
GATES SET.	.əziZ	* * \$\display \text{\$\display \text{\$\di	
PIPE LAID.	No. Feet.	9,354 (115 125 125 (691 36 27 116 118 269 269 269 263	11,652
Pipe	.əzi2	หียีย์ย์ ยีย์ยี่หีย์ ยีหีย์ย์ยี	
	To	Brought forward Main in Kidder ave. Dead end Con. with 6" near Frederick ave. Con. with 2" pipe Dead end Con. with 6" pipe Con. with 2" pipe	Total
	From	Main in Liberty ave. Con. with 6" pipe Con with 10" near Broadway Waterpost Hydrant Drinking fountain Main in Farm lane Waterpost Blow-off Hydrant Blow-off Gate Con. with Columbus ave. Hydrant Con. with Clifton st. Main in Wyatt st.	
	NAME OF STREET.	Powder house ter. Rogers ave. Somerville ave. Somerville ave. Standpipe park Sumner st. Temple st. Wahnt st. Washington st.	

Location and Length of Pipes Relaid, Gates and Hydrants Reset, 1901.

		.oV		-	-		•	-			-		·	11
ANTS.	Reset.	Kind.	Chapman Holyoke	Bigelow	Mathews	Coffin		r Ž	E. M. Holyoke		Mathews	Mathews	Manicas	
IYDR	HYDRANTS.	.oN					4				1		-	13
<u> </u>	Aband.	Kind.	B. M.	B. M. Bigelow	Mathews	Coffin		2	Bigelow		Holyoke	Bigelow	Monte	
	Reset.	.oN		-		2	1			-		-	-	12
GATES.	Re	.əzi2	ϡ	12"		.9	10″	χς 4		<i>"</i> 9	"9	٥	<i>"</i> 9	
GA:	Aband.	.oN			-	2				-		-	1	13
	Abs	Size.	" ⁹	,0)	#	<i>"</i> 9	4"	6",		.9	4,		4,"	
1D.	.ч	Lengt	195	3-18	2	736	270	272 843 643	. 12 0	78 193	011 116 571	01-	130 408	4,291
PIPE LAID.	Size.	Relaid.	, °, °, °, °, °, °, °, °, °, °, °, °, °,	12"	,,9	"9	10"	. હૈંહ		وْھ د ح		4,"	"9	
	Si	.basdA	6,	9	<i>"</i> 9	<i>"</i> 9	4"	ؙۅٛۅ۫؞	, 4	4"	ಕ್ಕಿತಿಪ	<u>,</u> 4.	4",	
	To		Con. with 6" opp. house No. 11	Dead end		15' N. fr'm south line Br'dw'y	Con. with 10" pipe at Leon st.	25' E, from W. line School st. Dead end		Con. with 6" iron pipe	Main in Dickinson st.	Con. with 6" iron pipe	Con. with iron pipe West line of Park st.	Carried forward
	From		Hydrant renewal Hydrant renewal Con. with (s' near Heath st.	Main in Cental St. Hydrant renewal Main in Broadway	Hydrant	Hydrant Main in Evergreen ave.	Main in Springfield st.	Main in Dartmouth st. South line of Broadway	Hydrant connection Hydrant renewal	Main in Broadway	Con. with Central st. Hydrant renewal Main in Concord ave.	Main in Summer st. Hydrant renewal	Hydrant renewal West line of Sacramento st. Main in Beacon st.	
	NAME	STREET.	Allen st. Beacon st. Bond st.	Central st. Clarendon ave.	Cross st.	Cross st. Dartmouth st.	Dartmouth st.	Dickinson st. Evergreen ave. Farm lane	Farm lane Forster st.	Garfield ave.	Gibbens st. Highland ave. Leon st.	Lowell st. Lowell st.	Medford st. Miller st. Morgan st.	,

LOCATION AND LENGTH OF PIPES RELAID, GATES AND HYDRANTS RESET, 1901. - Concluded.

		No.	==				15
HYDRANTS.	Reset.	Kind.			Mathews Mathews	Holyoke Mathews	
IYDR.		No.	13				17
H	Aband.	Kind.			B. M. Holyoke	Holyoke Chapman	
	Reset.	.oN	12		1	-	16
GATES.	Re	.əzi2		6" 12"	.,9	,,9	
GA	ınd.	.oN	13		1	-	17
	Aband.	Size.		<u>*</u> **	.9	9	
AID		Length	4,291	167 165	180 462 5	10 1,190 20	6,549
PIPE LAID	Size.	Relaid.		12,	ૡ૿ૡ૿ૡ	10" (10" (6"	
	Si	.bandA		4 %	****	10"	ထ
	Ę	,	Brought forward	Con. with 6" iron pipe Con. with 12" pipe	Con. with 6" iron pipe East line of School st.	Con. with 6" at Lincoln park	Total
	From			Main in Marshall st. Main in Heath st. Hydrant connection		Connection with Central st. Hydrant renewal Hydrant renewal Con. with 10" near Dane st.	Con. with Central st.
	NAME	STREET.		Mortimer pl. Mt. Vernon ave.		Union square Union square Washington st.	Westwood road

Hydrants-Construction Account.

New hydrants have been set in the following locations:— Cambria street, 131 feet west from Central street, 6-inch Mathews. Central street, 14 feet south from Summer street, 6-inch Mathews. Central street, 23 feet south from Avon street, 6-inch Mathews. Central street, 9 feet south from Highland avenue, 6-inch Mathews. Dartmouth street, 200 feet north from Evergreen avenue, 6-inch Mathews.

Day street, opposite Herbert street, 6-inch Mathews. Dickinson street, 7 feet north from Leon street, 6-inch Mathews. Elmwood street, 85 feet west from Harrison street, 4-inch Bigelow. Evergreen avenue, 114 feet east from Sycamore street, 6-inch Mathews. Farm lane, 70 feet north from Sumner street, 6-inch Holyoke. Garfield avenue, 7 feet north from Broadway, 6-inch Mathews. Highland avenue, 44 feet east from Willow avenue, 6-inch Mathews. Highland avenue, 59 feet east from West street, 6-inch Mathews. Highland avenue, 36 feet east from Grove street, 6-inch Mathews. Highland avenue, 63 feet east from Cherry street, 6-inch Mathews.

Josephine avenue, 213 feet south from Broadway, 6-inch Holyoke.

Lowell street, 351 feet south from Summer street, 6-inch Pratt & Cady.

Miller street, 300 feet west from Sacramento street, 6-inch Mathews. Monmouth street, 7 feet west from Central street, 6-inch Mathews. Morgan street, 125 feet west from Park street, 6-inch Mathews. Mystic street, 148 feet north from Benedict street, 6-inch Mathews. Otis street, 12 feet west from Cross street, 6-inch Mathews. Pearson road, 127 feet north from Broadway, 6-inch Mathews. Pritchard avenue, 255 feet north from Morrison avenue, 6-inch Mathews. Rogers avenue, 369 feet south from Broadway, 6-inch Holyoke. Rogers avenue, 257 feet north from Frederick avenue, 6-inch Holyoke. Somerville avenue, 368 feet west from Franklin court, 6-inch Mathews. Washington street, 112 feet east from Dane street, 6-inch Mathews. Windham road, 7 feet north from Washington street, 6-inch Chapman. Windsor road, 45 feet west from Hancock street, 6-inch Mathews. Winslow avenue, 8 feet west from Clifton street, 4-inch Boston Machine.

Hydrants-Renewal Account.

The following changes have been made in the kind and locations of hydrants:—

Allen street, 6-inch Chapman hydrant, set 9 feet north from Charlestown street, and 4-inch Bigelow hydrant removed from same location.

Beacon street, 6-inch Holyoke hydrant, set 15 feet west from Kent street, and 4-inch Boston Machine hydrant removed from same lo-

Clarendon avenue, 4-inch Bigelow hydrant, set near Cambridge line, and 4-inch Bigelow hydrant removed from same location.

Cross street, 6-inch Mathews hydrant, set 114 feet north from Broadway, and 6-inch Mathews hydrant removed from same location.

Dartmouth street, 6-inch Coffin hydrant, set 184 feet south from Broadway, and 6-inch Coffin hydrant removed from 288 feet south from Broadway.

Dartmouth street, 4-inch Holyoke hydrant, set 184 feet south from Broadway, and 6-inch Coffin hydrant removed from same location. Farm lane, 4-inch Boston Machine hydrant, set 67 feet south from

Roberts street, and 4-inch Boston Machine hydrant removed from

east end of yard, City Stables.

Forster street, 6-inch Holyoke hydrant, set opposite Tennyson street, and 4-inch Bigelow hydrant removed from same location.

Highland avenue, 6-inch Mathews hydrant, set 4 feet west from Hancock street, and 6-inch Holyoke hydrant removed from 43 feet west from Leslie avenue.

Lowell street, 6-inch Mathews hydrant, set 16 feet north from Kimball street, and 4-inch Bigelow hydrant removed from same location.

Medford street, 6-inch Mathews hydrant, set 69 feet north from Jackson street, and 6-inch Holyoke hydrant removed from same location.

Oakland avenue, 6-inch Mathews hydrant, set 109 feet west from Marshall street, and 6-inch Boston Machine hydrant removed from 192 feet east from School street.

Union square, 6-inch Mathews hydrant, set 3 feet west from Bow street, and 6-inch Chapman hydrant removed from opposite Hill building. Union square, 8-inch Holyoke hydrant, set in centre of square, and 8-inch

Holyoke hydrant removed from same location.

Central street, 4-inch Boston Machine hydrant removed from 1 foot south from Summer street.

Cross street, 4-inch Holyoke hydrant removed from north corner of Otis street.

Hydrants—Recapitulation.

Number of public hydrants set in 1901	•		•	$\begin{array}{c} 46 \\ 0 \end{array}$	
Total number of hydrants set in 1901 Number of hydrants removed in 1901		•			46 17
Net increase in number of public hydrants, 1901 " private "		•	•	29	
Total net increase in number of hydrants, 1901 Total number of public hydrants in the city " " private hydrants		•		926	29
		1000	-	42	000
Total number of all hydrants in the city January	Ι,	1902	•		900

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 Centre street.
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 Walnut street.
Alpine street, 276 feet west from Walnut street.
Alpine street, 280 feet east from Cedar street.
Alpine street, 298 feet west from Princeton 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, 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 Buckingham street.

Beacon street, 28 feet west 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. Ponair 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, 21 feet west from Droadway pla Broadway, 83 feet east from Cutter 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 College avenue. Broadway, 6 feet west from Billingham street. Broadway, 9 feet west from Packard avenue.
Broadway, 25 feet east from Westminster street.
Broadway, 257 feet east from Endicott avenue.
Broadway, 6 feet west from Endicott avenue.
Broadway, 9 feet west from Garrison avenue.
Broadway, 320 feet west from Waterhouse street 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. Cambria street 131 feet west from Central street. Cameron avenue, 166 feet south from Holland street. Cameron avenue, opposite Mead street. Cameron avenue, 26 feet south from Glendale avenue. Campbell park, 258 feet west from Meacham road. Cedar street, 226 feet south from Sartwell avenue. Cedar street, 98 feet north from Sartwell avenue. Cedar street, 61 feet north from Hall street. Cedar street, 22 feet south from Highland avenue. Cedar street, 12 feet north from Highland avenue. Cedar street, 10 feet north from Albion street.

Cedar street, 124 feet south from Warwick street. Cedar street, 50 feet north from Clyde street. Cedar street, 24 feet south from Murdock street. Cedar street, 270 feet south from Broadway. Central street, 50 feet south from Broadway. Central street, 6 feet north from Forster street. Central street, 9 feet north from Vernon street. Central street, 187 feet south from Vernon street. Central street, 6 feet north from Albion street. Central street, 9 feet south from Highland avenue. Central street, 23 feet south from Avon street. Central street, 14 feet south from Summer street. Chandler street, 16 feet south from Broadway. Chandler street, 206 feet north from Park avenue. Chapel street, 14 feet east from Chandler street. Charles street, 183 feet south from Washington street. Charnwood road, 79 feet west from Hancock street. Chauncey avenue, 11 feet north from Broadway. Chauncey avenue, 437 feet south from Mystic avenue. Cherry street, 7 feet south from Sartwell avenue. Cherry street, 254 feet north from Sartwell avenue. Cherry street, 252 feet north from Summer street. Cherry street, 26 feet south from Highland avenue. Chester street, 15 feet north from Chester place. Chestnut street, 480 feet south from Poplar street. Chestnut street, 246 feet south from Poplar street. Church street, 9 feet south from Summer street. Church street, 300 feet south from Summer street. Church street, 29 feet north from Somerville avenue. Church street, 16 feet south from Somerville avenue. 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, 12 feet north from Winter street. College avenue, 6 feet south from Morrison avenue. College avenue, 8 feet south from Hall avenue. College avenue, 53 feet west from Francesca avenue. College avenue, opposite Kenwood street. College avenue, 100 feet west from Broadway. College avenue, 405 feet north from Broadway. College avenue, 720 feet north from Broadway. Columbus avenue, 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, 70 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 Marion street.
Concord avenue, 6 feet south from Hammond street. Concord avenue, 20 feet east from Wyatt street.

Conwell avenue, 20 feet west from Curtis street. Conwell avenue, 460 feet west from Curtis street. Conwell street, 6 feet south from Highland avenue. Conwell street, 3 feet north from Francis street. Cooney street, 98 feet north from Line street. Cottage avenue, 206 feet west from Russell street. Craigie street, 216 feet south from Summer street. Craigie street, 232 feet north from Kimball street. Craigie street, 77 feet south from Kimball street. Craigie street, 126 feet north from Somerville avenue. Crescent street, 80 feet south from Hadley place. Crocker street, 4 feet south from Highland avenue. Crocker street, 8 feet north from Crown street. Cross street, 6 feet north from Pearl street. Cross street, 32 feet north from Cross-street place. Cross street, 62 feet north from Flint street. Cross street, 16 feet north from Gilman street. Cross street, 13 feet south from Auburn avenue. Cross street, 39 feet north from Alston street. Curtis avenue, 206 feet west from Curtis street. Curtis street, 6 feet north from Broadway. Curtis street, 3 feet south from Electric avenue. Curtis street, 137 feet north from Ware street. Curtis street, 3 feet south from Raymond avenue. Curtis street, 34 feet south from Professors' row. Curtis street, 225 feet north from Professors' row. Cutter avenue, 11 feet south from Highland avenue. Cutter square, 95 feet west from Cutter avenue. Cutter street, 95 feet south from Broadway. Cutter street, 444 feet south from Broadway. Dane avenue, 162 feet west from Leland street. Dane avenue, 169 feet east from Dane street. Dane street, 9 feet north from Tyler street. Dane street, 260 feet south from Skehan street. Dane street, 55 feet north from Skehan street. Dartmouth street, 184 feet south from Broadway. Dartmouth street, 200 feet north from Evergreen avenue. Dartmouth street, 53 feet south from Evergreen avenue. Dartmouth street, 171 feet north from Medford street. Davis square, 45 feet east from Day street. Day street, 10 feet south from Davis square. Day street, opposite Herbert street. Day street, 195 feet south from Herbert street. Day street, 4 feet north from Orchard street. Dell street, 255 feet west from Glen street. Delaware street, 246 feet east from Aldrich street. Derby street, 400 feet east from Temple street. Dickinson street, 20 feet east from Beacon street. Dickinson street, 7 feet north from Leon street. Dover street, 22 feet south from Davis square. Dover street, 203 feet south from Davis square. Dover street, 312 feet north from Orchard street. Dover street, 3 feet north from Orchard street. Durham street, opposite Skehan street. Durham street, 5 feet west from Hanson street. Eastman place, 279 feet south from Highland avenue. Edmands street, 15 feet south from Broadway. Ellsworth street, 7 feet west from Rush street. Elm street, 59 feet west from Craigie street. Elm street, 17 feet west from Porter street.

Elm street, 28 feet east from Linden avenue. Elm street, 11 feet east from Mossland street. Elm street, 9 feet west from Cedar street. Elm street, 153 feet east from Cherry street. Elm street, 110 feet west from Cherry street. Elm street, 14 feet east from Burnside avenue. Elm street, 104 feet east from Willow avenue. Elm street, 20 feet east from St. James avenue. Elm street, 9 feet west from Elston street. Elm street, 90 feet west from Windom street. Elm street, 25 feet west from Russell street. Elm street, 25 feet west from Russell street.
Elm street, 11 feet west from Grove street.
Elm street, 82 feet west from Chester street.
Elmwood street, 9 feet south from Holland street.
Elmwood street, 300 feet east from Harrison street.
Elmwood street, 85 feet west from Harrison street.
Eliot street, 3 feet east from Park street.
Endicott avenue, 422 feet south from Broadway. Evergreen avenue, 8 feet east from School street. Evergreen avenue, 114 feet east from Sycamore street. Everett avenue, 5 feet west from Cross street. Everett avenue, 9 feet east from Dana street. Everett avenue, 449 feet west from Cross street. Everett street, opposite Emerson street. Fairlee street, 134 feet west from Cherry street. Fairmount avenue, 280 feet west from Curtis street. Fairmount avenue, opposite Watson street. Farm lane, 70 feet north from Sumner street. Farm lane, 67 feet south from Roberts street. Farragut avenue, 258 feet south from Broadway. Farragut avenue, 537 feet south from Broadway. Fenwick street, 40 feet north from Broadway. Fiske avenue, 120 feet east from Hinckley street. Fitchburg street, 395 feet east from Linwood street. Flint street, 18 feet east from Flint avenue. Flint street, 59 feet east from Cross street. Flint street, 35 feet east 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.
Francesco avenue, 305 feet east from College avenue. Francesca avenue, 305 feet east from College avenue. Francesca avenue, 7 feet west from Liberty avenue. Franklin street, 14 feet north from Arlington street. Franklin street, 76 feet south from Webster street. Franklin street, 156 feet south from Pearl street. Franklin street, 80 feet south from Oliver street. Franklin street, 87 feet south from Palmer avenue. Franklin street, 29 feet north from Washington street. Fremont street, 82 feet north from Main street. Fremont street, 343 feet north from Main street. Fremont street, opposite Meacham street. Fremont street, 287 feet north from Meacham street. Fremont street, 25 feet north from East Albion street. Frost avenue, 75 feet east from Sherman street. Fountain avenue, 280 feet west from Glen street. Garden court, 357 feet south from Somerville avenue. Garfield avenue, 7 feet north from Broadway. Garfield avenue, 24 feet south from Mystic avenue. Garrison avenue, 235 feet south from Broadway.

Gibbens street, 202 feet west from Central street. Gibbens street, 129 feet west from Benton road. Gilman square, opposite Marshall street. Gilman street, 103 feet east from Walnut street. Gilman street, 143 feet east from Jasper street. Gilman street, 8 feet west from Aldrich street. Gilman street, 176 feet east from Aldrich street. Gilman street, 295 feet west from Cross street. Glass-house court, 360 feet west from Water street. Glen street, 147 feet south from Broadway. Glen street, 8 feet north from Brook street. Glen street, 6 feet north from Webster street. Glen street, 1 foot north from Flint street. Glen street, 11 feet north from Fountain avenue. Gorham street, 310 feet south from Holland street. Gorham street, 67 feet north from Howard street. Grand View avenue, 286 feet east from Vinal avenue. Granite street, 178 feet north from Somerville avenue. Grant street, 2 feet north from Derby street. Greene street, 295 feet south from Summer street. Greenville street, 148 feet north from Boston street. Greenville street. 33 feet north from Munroe street. Grove street, 163 feet south from Highland avenue. Hall avenue, 310 feet east from College avenue. Hall avenue, 306 feet west from Liberty avenue. Hall avenue, 9 feet west from Liberty avenue. Hall street, 269 feet west from Cedar street. Hamlet street, 321 feet south from Highland avenue. Hammond street. 30 feet west from Dickinson street. Hancock street, 258 feet south from Summer street. Hanson street, 12 feet south from Village street. Hanson street, 9 feet south from Nevada avenue. Hanson street, 6 feet south from Skehan street. Harvard street, 13 feet north from Beech street. Harvard street, 23 feet north from Harvard place. Harrison street, 77 feet east from Kent street. Harrison street (Ward 7), 4 feet east from Elmwood street. Hawkins street, 50 feet north from Lake street. Hawthorne street, 8 feet east from Cutter avenue. Hawthorne street, 209 feet east from West street. Heath street, 3 feet west from Temple street. Heath street, 308 feet west from West street. Heath street, 100 feet west from Bond street. Heath street, 4 feet east from Fenwick street. Heath street, 5 feet east from Moreland street. Henderson street, 107 feet north from Wilton street. Herbert street, 163 feet west from Chester street. Highland avenue, 28 feet west from Hamlet street. Highland avenue, 5 feet east from Walnut street. Highland avenue, 262 feet west from Walnut street. Highland avenue, 80 feet east from Vinal avenue. Highland avenue, 41 feet west from Putnam street. Highland avenue, 75 feet west from Prescott street. Highland avenue, 114 feet west from School street. Highland avenue, 410 feet west from School street. Highland avenue, 112 feet west from Trull lane. Highland avenue, 171 feet east from Central street. Highland avenue, 214 feet east from Spring Hill terrace. Highland avenue, 23 feet west from Spring Hill terrace. Highland avenue, 20 feet west from Belmont street. Highland avenue, 4 feet east from Tower street.

Highland avenue, 2 feet east from Porter street. Highland avenue, 212 feet east from Cedar street. Highland avenue, 63 feet east from Cherry street. Highland avenue, 35 feet east from Hancock street. Highland avenue, 4 feet west from Hancock street. Highland avenue, 44 feet east from Willow avenue. Highland avenue, 3 feet west from Willow avenue. Highland avenue, 59 feet east from West street. Highland avenue, 36 feet west from West street. Highland avenue, 36 feet east from Grove street. Highland avenue, 6 feet west from Grove street. Highland avenue, 218 feet west from Grove street. Highland avenue, 64 feet east from Davis square. 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, 100 feet north from Fearl street.

Jaques street, 10 feet west from Chauncey avenue.

Jaques street, 8 feet west from Grant street.

Jaques street, 360 feet east from Temple street.

Jaques street, 185 feet west from Temple street. Jaques street, 410 feet east from Bond street. Jasper street, 5 feet south from Virginia street. Jay street, 82 feet north from Howard street. Jenny Lind avenue, 224 feet south from Broadway. Jenny Lind avenue, 16 feet north from Vernon street. Jenny Lind avenue, 320 feet north from Vernon street. Jenny Lind avenue, 467 feet north from Vernon street. Joseph street, 100 feet west from Adrian street. Josephine avenue, 397 feet north from Morrison avenue. Josephine avenue, 213 feet north from Broadway. Joy street, 34 feet south from Washington street. Joy street, 502 feet south from Washington street. Joy street, 271 feet north from Poplar street. Kensington avenue, 6 feet north from Broadway. Kent court, 205 feet west from Kent street. Kidder avenue, 346 feet east from College avenue. Kingman court, 282 feet south from Washington street. Kingston street, 95 feet west from Thorndike street. Knowlton street, opposite Morton street. Lake street, 220 feet west from Hawkins street. Lake street, 4 feet east from Carlton street. Laurel street, 50 feet north from Greene street.

Laurel street, 8 feet north from Park place. Lawrence street, 9 feet south from Richardson street. Leland street, 14 feet south from Dane avenue. Lexington avenue, 3 feet west from Hancock street. Liberty avenue, 3 feet north from Kidder avenue. Liberty avenue, 12 feet north from Mallett street. Lincoln street, 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 south 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, 32 feet south from Linwood place. London street, 383 feet east from Linwood street. Loring street, 276 feet north from Somerville avenue. Lovell street, 41 feet south from Electric avenue. Lowell street, 1 foot north from Fiske avenue. Lowell street, 183 feet south from Richardson street. Lowell street, opposite Vernon street. Lowell street, 3 feet south from Princeton street. Lowell street, 163 feet south from Highland avenue. Lowell street, 53 feet north from Crown street. Lowell street, 351 feet south from Summer street. Lowell street, 16 feet north from Kimball street. Madison street, 103 feet west from School street. Madison street, 467 feet west from School street. Main street, junction with Broadway. Main street, 112 feet west from Mt. Vernon avenue. Main street, west corner of Moreland street. Mansfield street, 190 feet north from Somerville avenue. Mansfield street, 189 feet south from Washington street.
Maple avenue, 294 feet east from School street.
Maple street, 7 feet south from Jackson street. Maple street, 87 feet north from Poplar street. Marion street, 31 feet south from Adrian street. Marion street, 74 feet north from Wyatt street. Marshall street, 80 feet south from Stickney avenue. Marshall street, 30 feet north from Stickney avenue. Marshall street, opposite Howe street. Marshall street, 5 feet north from Evergreen avenue. Marshall street, 104 feet south from Mortimer place. Marshall street, 109 feet north from Oakland avenue. Malloy court, 16 feet south from Somerville avenue. Meacham road, 4 feet north from Orchard street. Meacham road, 97 feet north from Kingston street. Meacham street, 14 feet west from Moreland street. Mead street, 48 feet east from Claremon street. Medford street, 50 feet north from Hennessey court. Medford street, 56 feet north from Lowell street. Medford street, 14 feet north from Jenny Lind avenue. Medford street, 16 feet south from Bartlett street. Medford street, 6 feet north from Central street. Medford street, 19 feet south from Sycamore street. Medford street, 15 feet south from Lee street. Medford street, 46 feet south from Thurston street.

Medford street, 31 feet south from Dartmouth street. Medford street, 5 feet north from School street. Medford street, 171 feet north from Marshall street. Medford street, 266 feet north from Walnut street. Medford street, 200 feet north 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, 40 feet south from Warren street.

Medford street, 220 feet south from Warren street.

Melrose street, 610 feet north from Mystic avenue.

Merriam street, 25 feet north from Charlestown street. Miller street, 300 feet west from Sacramento street. Miner street, 137 feet north from Vernon street. Mondamin court, 272 feet west from Ivaloo street. Monmouth street, 7 feet west from Central street. Monmouth street, 156 feet east from Harvard street. Montrose street, 10 feet east from Sycamore street. Montrose street, 287 feet east from Sycamore street.
Montrose street, 259 feet west from School street.
Moore street, 21 feet north from Mead street.
Moore street, 22 feet south from Holland street.
Moore street, 335 feet south from Holland street. Moreland street, 345 feet north from Meacham street. Moreland street, 2 feet south from East Albion street. Morgan street, 125 feet west from Park street. Morrison avenue, 124 feet west from Cedar street. Morrison avenue, 44 feet east from Pearson avenue. Morrison avenue, 124 feet east from Rogers avenue. Morrison avenue, 13 feet west from Newberne street. Morrison avenue, 183 feet west from Clifton street. Morrison avenue, 33 feet west from Grove street. Mossland street, 114 feet north from Somerville avenue. Munroe street, 203 feet east from Walnut street. Munroe street, 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.
Myrtle street, 219 feet north from Pearl street. Mystic avenue, 90 feet east from Union street.

Mystic avenue, 3 feet west from Union street. Mystic avenue, 438 feet east from Austin street.

Mystic avenue, 11 feet west from Chauncey avenue.

Mystic avenue, 60 feet west from Temple street.

Mystic avenue, 800 feet east from Moreland street. Mystic avenue, 544 feet east from Moreland street. Mystic avenue, 241 feet east from Moreland street. Mystic street (Ward 1), 148 feet north from Benedict street. Mystic street (Ward 2), 160 feet south from Washington street. Nashua street, 190 feet south from Wilton street. Newbury street, 15 feet south from Holland street. Newbury street, 260 feet south from Holland street. Newbury street, 200 feet south from Holland street. Newbury street, 558 feet south from Holland street. Newbury street, 777 feet south from Holland street. Newbury street, 200 feet north from Cambridge line. New Cross street, 114 feet north from Broadway. Newton street, 9 feet west from Joseph street. Newton street, 9 feet east from Clark street. Norfolk street, 27 feet south from Webster avenue. Norfolk street, 227 feet south from Webster avenue. North street, 18 feet north from Broadway. North street, 453 feet north from Raymond avenue. North street, 190 feet north from city bound No. 17. North Union street, 287 feet north from Mystic avenue. Oak street, 8 feet west from Prospect street. Oak street, 315 feet north from Houghton street. Oakland avenue, 109 feet west from Marshall street. Oliver street, 191 feet east from Cross street. Oliver street, 15 feet east from Glen street. Oliver street, 7 feet west from Franklin street. Orchard street, 8 feet west from Russell street. Orchard street, west corner Milton street. Orchard street, 9 feet east from Chester street. Otis street, 12 feet west from Cross street. Otis street, 440 feet west from Cross street. Otis street, 9 feet east from Dana street. Otis street, 6 feet east from Wigglesworth street. Oxford street, 280 feet west from School street. Oxford street, 46 feet east from Trull lane. Oxford street, 237 feet west from Hersey street. Park avenue, 83 feet west from College avenue. Park avenue, 10 feet west from Chandler street. Park street, opposite Allen court. Park street, 187 feet north from Beacon street. Park street, 69 feet south from Somerville avenue. Partridge avenue, 5 feet south from Broadway. Partridge avenue, 26 feet north from Medford street. Partridge avenue, 117 feet south from Medford street. Partridge avenue, 421 feet south from Medford street. Partridge avenue, 276 feet north from Vernon street. Paulina street, 184 feet north from Holland street. Paulina street, 288 feet south from Broadway. Paulina street, 5 feet south from Broadway. Pearl street, 50 feet west from Crescent street. Pearl street, 7 feet north from Pinckney street. Pearl street, 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. Pearson road, 127 feet north from Broadway. Pembroke street, 14 feet east from Tennyson street. Perkins street, opposite Myrtle street. Perkins street, 78 feet east from Florence street. Perkins street, 24 feet east from Pinckney street. Perkins street, 56 feet east from Perkins place. Perkins street, 21 feet east from Mt. Pleasant street. Perry street, 324 feet south from Washington street. Pinckney street, 11 feet north from Washington street. Pinckney street, 330 feet south from Pearl street. Pinckney street, 203 feet north from Pearl street. Pinckney street, 71 feet south from Pearl street. Pitman street, 180 feet west from Beech street. Pleasant avenue, 256 feet west from Walnut street. Poplar street, 21 feet west from Joy street. 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. Prescott street, 330 feet south from Highland avenue. Prescott street, 586 feet south from Highland avenue. Prescott street, 257 feet north from Summer street. Preston road, 350 feet west from School street. Pritchard avenue, 255 feet north from Morrison avenue. Professors' row, 39 feet east from College avenue. Professors' row, 158 feet west from Boston avenue. Professors' row, 126 feet west from College avenue. Professors' row, 291 feet west from College avenue. Professors' row, 548 feet east from Packard avenue. Professors' row, 156 feet east from Packard avenue. Professors' row, 3 feet west from Packard avenue. Professors' row, 296 feet west from Packard avenue. Professors' row, 113 feet east from Curtis street. Prospect-hill avenue, 10 feet north from Munroe street. Prospect street, 135 feet north from Bennett street. Prospect street, 35 feet south from Concord avenue. Prospect street, 185 feet south from Oak street. Prospect street, 403 feet south from Oak street. Prospect street, 63 feet north from Houghton street. Putnam street, 116 feet south from Highland avenue. Putnam street, 420 feet south from Highland avenue. Putnam street, 612 feet north from Summer street. Putnam street, 308 feet north from Summer street. Quincy street, 91 feet north from Somerville avenue. Quincy street, 31 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. Richardson street, 325 feet west from Central street. Robinson street, 325 feet west from Central street. Rogers avenue, 369 feet south from Broadway. Rogers avenue, 257 feet north from Frederick avenue. Rogers avenue, 88 feet south from Frederick avenue. Rogers avenue, 255 feet north from Morrison avenue. Rossmore street, 244 feet south from Washington street. Rush street, 84 feet south from Pearl street. Rush street, 11 feet north from Pearl street. Rush street, 128 feet north from Brook street.

Sacramento street. 5 feet south from Miller street. Sanborn avenue. 55 feet east from Walnut street. Sargent avenue, 474 feet south from Broadway. Sargent avenue, 361 feet west from Walnut street. Sargent avenue, 95 feet west from Walnut street. School street, 31 feet south from Oakland avenue. School street, 100 feet south from Maple avenue. School street, 6 feet south from Montrose street. School street, 128 feet north from Highland avenue. School street, 88 feet north from Oxford street. School street. 15 feet north from Avon street. School street, 100 feet south from Summer street. School street, 93 feet south from Preston road. School street, 61 feet north from Knapp street. Sewall street, 311 feet west from Grant street. Shawmut street, 9 feet west from Washington street. Shawmut street, 153 feet west from Shawmut place. Simpson avenue, 272 feet south from Broadway. Simpson avenue, 142 feet north from Holland street. Skehan street, 110 feet east from Hanson street. Somerville avenue, 188 feet west from Mossland street. Somerville avenue. 308 feet east from Mossland street. Somerville avenue, 600 feet east from Mossland street. Somerville avenue, 116 feet west from Elm street. Somerville avenue, 9 feet east from Ibbetson street. Somerville avenue, 77 feet east from Belmont street. Somerville avenue, 14 feet west from Garden court. Somerville avenue, 133 feet west from Kent street. Somerville avenue, 13 feet west from Beech street. Somerville avenue, 11 feet east from Central street. Somerville avenue, 15 feet west from Laurel street. Somerville avenue, 86 feet west from Granite street. Somerville avenue, 38 feet west from Sherman street. Somerville avenue, 76 feet east from Hawkins street. Somerville avenue, 185 feet west from Hawkins street. Somerville avenue, 88 feet west from Quincy street. Somerville avenue, 105 feet east from Carlton street. Somerville avenue, 90 feet west from Prospect street. Somerville avenue, 28 feet west from Linden street. Somerville avenue, 9 feet east from Mystic street. Somerville avenue, 94 feet west from Mansfield street. Somerville avenue, 126 feet east from Medford street. Somerville avenue, 88 feet east from Poplar street. Somerville avenue, 464 feet east from Poplar street. Somerville avenue, 153 feet west from Linwood street. Somerville avenue, 20 feet east from F. R. R. crossing. Somerville avenue, 368 feet west from Franklin court. Somerville avenue, 262 feet west from Franklin court. Somerville avenue, 23 feet east from Franklin court. Somerville avenue, 100 feet west from Cambridge line. South street, 97 feet west from Bedford street. South street, 2 feet east from Harding street. South street, 25 feet west from Hunting street. South street, 80 feet west from Willow place. Spencer avenue, 63 feet east from Hancock street. Spring street, 10 feet south from Pitman street. Spring street, 184 feet north from Beech street. Springfield street, 140 feet south from Concord avenue. Springfield street, 21 feet south from Dickinson street. Springfield street, 177 feet south from Houghton street. Spring Hill terrace, 333 feet south from Highland avenue.

Stickney avenue, 212 feet west from Marshall street. Stone avenue, 120 feet north from Union square. Stone avenue, 275 feet south from Columbus avenue. Summer street, 148 feet east from Cutter avenue. Summer street, opposite Elston street. Summer street, west corner Hancock street. Summer street, 34 feet east from Banks street. Summer street, 6 feet east from Cherry street. Summer street, 6 feet east from Cedar street. Summer street, 24 feet east from Linden avenue. Summer street, opposite Craigie street. Summer street, 35 feet east from Porter street. Summer street, 4 feet east from Lowell street. Summer street, 3 feet east from Belmont street. Summer street, 3 feet west from Spring street. Summer street, 53 feet west from Harvard street. Summer street, 215 feet east from Harvard street. Summer street, 59 feet east from Central street. Summer street, 19 feet west from Laurel street. Summer street, 52 feet west from Preston road. Summer street, 191 feet west from School street. Summer street, 8 feet east from School street. Summer street, opposite Putnam street. Summer street, 6 feet west from Vinal avenue. Summit avenue, 231 feet east from Vinal avenue. Sunnyside avenue, 99 feet west from Wigglesworth street. Sycamore street, 18 feet south from Broadway. Sycamore street, 62 feet south from Browning road. Sycamore street, I 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, 11 feet north from Jaques street.
Temple street, 6 feet south from Derby street.
Temple street, 5 feet south from Sydney street.
Tenney court, 306 feet north from Mystic avenue.
Tennyson street, 4 feet south from Medford street. Tennyson street, 117 feet north from Pembroke street. Thorndike street, 4 feet south from Holland street. Thorndike street, 82 feet north from Kingston street. Thorpe place, 269 feet south from Highland avenue. Thurston street, 187 feet north from Medford street. Thurston street, 160 feet south from Evergreen avenue. Thurston street, 6 feet north from Evergreen avenue. Thurston street, 348 feet north from Evergreen avenue. Tower street, 18 feet north from Crown street. Tremont street, 9 feet south from Webster avenue. Tremont street, 454 feet south from Webster avenue. Trull street, 3 feet south from Medford street. Trull street, 276 feet south from Medford street. Trull street, 522 feet north from Vernon street. Trull street, 270 feet north from Vernon street. Tufts street, 51 feet north from Washington street. Tufts street, 150 feet south from Glen street. Tufts street, 43 feet north from Glen street. Tufts street, 53 feet south from Dell street. Tufts street, 45 feet south from Cross street. Tyler street, 31 feet east from Vine street.

Union square, 267 feet east from Webster avenue. Union square, 15 feet east from Stone avenue. Union square, 3 feet west from Bow street. Union square, centre of square. Union street, 3 feet north from Broadway. Union street, 123 feet south from Mystic avenue. Veazie street, 1 foot west from James street. Vernon street, 72 feet west from Partridge avenue. Vernon street, 1 foot east from Bartlett street. Vernon street, 2 feet east from Miner street. Victoria street, 255 feet south from Broadway. 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, 112 feet east from Dane street.

Washington street, 175 feet west from Dane street. Washington street, 45 feet east from Beacon street. Washington street, 62 feet east from Line street. Water street, 91 feet north from South street. Water street, 254 feet north from South street. Water street, 354 feet north from South street. Water house 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, I 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.
Windham road, 7 feet north from Washington street.
Windom street, 7 feet south from Summer street.
Windsor road, 86 feet east from Willow avenue. Windsor road, 45 feet west from Hancock street. Winslow avenue, 145 feet east from College avenue. Winslow avenue, 5 feet west from Grove street. Winslow avenue, 8 feet west from Clifton street. Winter street, 130 feet east from Holland street. Winter-hill circle, 178 feet north from Broadway. Winthrop avenue, 7 feet north from Broadway. Woodbine street, 222 feet west from Centre street. Wyatt street, 8 feet south from Taunton street.

List of Private Hydrants Supplied from the City of Somerville Mains.

John P. Squire & Co.

North Packing and Provision Co.

8

New England Dressed Me	at ai	nd V	Vool	Co.			. 5
Boston & Maine Railroad							. 7
Union Glass Works .	,	•	6				. 1
Fresh Pond Ice Co							. 1
American Tube Works .				•			. 1
Middlesex Bleachery .	,	•	•				. 3
Boston Elevated Railway	Co.						. 1
Metropolitan Sewerage Pu							
Tufts College							

Gates-Construction Account.

New gates have been set in the following locations:—

Adams street, 2-inch gate, 3 feet out from waterpost located 57 feet south from Broadway.

Bonair street, 2-inch gate, 3 feet out from waterpost located 19 feet west from Wigglesworth street.

Central street, 12-inch gate, 15 feet out from west line, on south line of Highland avenue.

Central street, 12-inch gate, 15 feet out from west line, on north line of Summer street.

Central street, 12-inch gate, 15 feet 8 inches out from west line, on south line of Summer street.

Central street, 6-inch gate, 17 feet out from west line and 15 feet north from south line of Berkeley street.

Central street, 4-inch gate, 14 feet 8 inches out from west line and 20 feet south from north line of Monmouth street.

Dana street, 2-inch gate, 3 feet out from waterpost located 30 feet east from Pearl street.

East Albion street, 6-inch gate, 9 feet out from south line, on east line of Moreland street.

Evergreen avenue, 8-inch gate, 13 feet 4 inches out from south line, on west line of Dartmouth street.

Evergreen avenue, 8-inch gate, 13 feet 4 inches out from south line, on west line of Thurston street.

Evergreen avenue, 8-inch gate, 13 feet 4 inches out from south line, on east line of Sycamore street.

Evergreen avenue, 4-inch gate, 16 feet out from south line and 13 feet 4 inches east from west line of Dartmouth street.

Farm lane, 6-inch gate, 12 feet out from east line, on south line of Sumner street.

Frost avenue, 4-inch gate, 18 feet out from north line and 22 feet east from west line. Heath street, 6-inch gate, 13 feet out from north line, on west line of

Bond street. Heath street, 6-inch gate, 13 feet out from north line and 12 feet east from

east line of Mt. Vernon avenue. Highland avenue, 12-inch gate, 20 feet out from south line, on east line

of Willow avenue. Highland avenue, 12-inch gate, 20 feet out from south line, on west line

of Cedar street.

Highland avenue, 6-inch gate, 15 feet out from south line, on east line of Willow avenue.

Holyoke road, 6-inch gate, 13 feet 4 inches out from east line, on south line of Elm street.

Holyoke road, 4-inch gate, 15 feet out from east line and 17 feet north from south line.

Josephine avenue, 6-inch gate, 15 feet out from east line, on north line of

Frederick avenue.

Kidder avenue, 4-inch gate, 15 feet out from north line and 15 feet west from east line of Powder House terrace.

Lawrence street, 4-inch gate, 13 feet out from west line and 7 feet south from north line of Richardson street.

Lowell street, 10-inch gate, 13 feet 4 inches out from west line, on north line of Highland avenue.

Lowell street, 10-inch gate, 13 feet 4 inches out from west line, on south line of Hudson street.

Lowell street, 6-inch gate, 12 feet out from west line, on north line of Somerville avenue.

Meacham street, 8-inch gate, 13 feet out from north line, on west line of Mt. Vernon avenue.

Medford street, 2-inch gate, 3 feet out from waterpost located 35 feet east from Ward street.

Monmouth street, 6-inch gate, 13 feet 4 inches out from north line, on west line of Central street.

Mt. Vernon street, 2-inch gate, 4 feet out from waterpost located 71 feet

south from Broadway.

Mystic street, 6-inch gate, 13 feet 4 inches out from east line, on south line of Mystic avenue.

Mystic street, 6-inch gate, 13 feet 4 inches out from east line, on north line of Benedict street.

Powder House terrace, 6-inch gate, 13 feet 4 inches out from east line, on west line of Liberty avenue.

Powder House terrace, 6-inch gate, 13 feet 4 inches out from east line,

Fowder House terrace, 0-inch gate, 13 feet 4 inches out from east line, on north line of Kidder avenue.

Somerville avenue, 2-inch gate, 3 feet out from waterpost located 120 feet west from Oak square.

Sumner street, 6-inch gate, 7 feet out from north line and 3 feet west from east line of Farm lane.

Temple street, 2-inch gate, 3 feet out from waterpost located 124 feet south from Heath street.

Walnut street, 8 inch gate, 15 feet out from waterpost located 124 feet

Walnut street, 8-inch gate, 15 feet out from east line and 30 feet north from south line of Highland avenue.

Washington street, 10-inch gate, 20 feet out from west line, on north line of Bowdoin street.

Washington street, 6-inch gate, 22 feet out from west line and 4 feet north from north line of Bowdoin street. Washington street, 6-inch gate, 22 feet out from west line and 4 feet

south from north line of Bowdoin street.

Windham road, 6-inch gate, 13 feet 4 inches out from west line, on south line of Columbus avenue.

Winslow avenue, 6-inch gate, 13 feet 4 inches out from south line, on west line of Clifton street.

Wyatt circle, 4-inch gate, 6 feet out from west line, on south line of Wvatt street.

Gates-Renewal Account.

The following changes have been made in the size and location of main gates:-

Bond street, 6-inch gate, set 13 feet 4 inches out from east line, on north line of Heath street, and 6-inch gate removed from 13 feet 4 inches out from east line and 4 feet north from north line of Heath street.

Cambria street, 6-inch gate, set 13 feet 4 inches out from north line, on west line of Central street, and 4-inch gate removed from same lo-

Cross street, 12-inch gate, set 13 feet 4 inches out from east line, on north line of Broadway, and 4-inch gate removed from same location.

Dartmouth street, 6-inch gate, set 13 feet 4 inches out from east line, on north line of Evergreen avenue, and 6-inch gate removed from same location.

- Dartmouth street, 6-inch gate, set 13 feet 4 inches out from east line, on
- south line of Broadway, and 6-inch gate removed from same location. Dickinson street, 10-inch gate, set 13 feet 4 inches out from west line, on south line of Springfield street, and 4-inch gate removed from same
- Evergreen avenue, 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
- Farm lane, 4-inch gate, set 14 feet out from east line and 9 feet north from north line of Sumner street, and 4-inch gate removed from 18 feet out from east line and 9 feet north from north line of Sumner
- Garfield avenue, 6-inch gate, set 13 feet 4 inches out from west line, on north line of Broadway, and 6-inch gate removed from 16 feet out from west line, on north line of Broadway.
- Leon street, 6-inch gate, set 13 feet 4 inches out from north line, on east line of Concord avenue, and 4-inch gate removed from same location.
- Lowell street, 6-inch gate, set 11 feet out from west line, on south line
- of Summer street, and 4-inch gate removed from same location. Morgan street, 6-inch gate, set 13 feet 4 inches out from west line, on south line of Beacon street, and 4-inch gate removed from same location.
- Mortimer place, 6-inch gate, set 6 feet out from north line, on east line of Marshall street, and 4-inch gate removed from 6 feet out from
- north line and 8 feet west from east line of Marshall street.

 Mt. Vernon avenue, 12-inch gate, set 16 feet 8 inches out from east line, on north line of Heath street, and 8-inch gate removed from same location.
- Oakland avenue, 6-inch gate, set 13 feet 4 inches out from south line, on west line of Marshall street, and 6-inch gate removed from same lo-
- Union square, 6-inch gate, set 3 feet west from west line of Bow street and 10 feet north from south line of Warren avenue, and 6-inch gate removed from 11 feet west from west line of Bow street and 16 feet south from south line of Warren avenue.
- Cross street, 6-inch gate, removed from 13 feet 4 inches out from east line and 260 feet north from north line of Broadway.

GATES-RECAPITULATION.

GATES.	2"	3"	4"	6"	8"	10"	12"	Total.
Set	7	=	8 8	30 8	6	4	7	62 17

Net increase in number of gates in 1901. Total number of gates in the city January 1, 1902. 1,248

Check=Valves-Construction Account.

Mt. Vernon avenue, one 8-inch check-valve was set 16 feet 8 inches out from east line and 13 feet 6 inches south from north line of Heath

Total number of check-valves in the city January 1, 1902, 7.

Locations of Water Posts.

Adams street, 57 feet south from Broadway. Albion street, 83 feet west from Centre street. Appleton street, 49 feet west from Willow avenue.

Beacon street, 33 feet north from Concord avenue. Beacon street, 33 feet west from Vine street. Beacon street, 94 feet east from Sacramento street. Bonair street, 19 feet west from Wigglesworth street. Bond street, 14 feet north from Broadway. Boston street, 107 feet west from Greenville street. Broadway, 42 feet east from Franklin street. Broadway, 75 feet west from Winthrop avenue. Broadway, 6 feet west from Farm lane. Broadway, 6 feet west from Irving street. Broadway, 120 feet west from Clarendon avenue. Broadway, 20 feet west from North street. Cherry street, 161 feet south from Fairlee street. College avenue, opposite Morrison avenue. College avenue, 5 feet south from Kenwood street. Columbus avenue, opposite Stone avenue. Concord avenue, opposite Knapp school. Dana street, 30 feet east from Pearl street. Elm street, 25 feet west from Burnside avenue. Flint street, 47 feet east from Cross street. Gilman street, 69 feet east from Walnut street. Grove street, 19 feet south from Highland avenue. Highland avenue, 44 feet west from Hamlet street. Highland avenue, 50 feet west from Putnam street. Highland avenue, 15 feet west from Central street. 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, 35 feet east from Ward street. Medford street, at Gilman square. Medford street, 45 feet east from Lee street. Medford street, 19 feet east from Jenny Lind avenue. Montrose street, 204 feet west from School street. Mt. Vernon street, 71 feet south from Broadway. Mystic avenue, 33 feet west from Union street. Orchard street, 107 feet west from Dover street. Otis street, 127 feet west from Cross street. Pearl street, 28 feet east from Myrtle street. Putnam street, 96 feet north from Summer street. School street, 116 feet south from Broadway. School street, 50 feet north from Berkeley street. Somerville avenue, 175 feet east from Fitchburg R. R. crossing. Somerville avenue, 246 feet east from Poplar street. Somerville avenue, 89 feet east from Mystic street. Somerville avenue, 119 feet west from School street. Somerville avenue, 92 feet west from Kent street. Somerville avenue, 120 feet west from Oak square. Somerville avenue, 42 feet east from Mossland street. Summer street, 14 feet east from Belmont street. Summer street, 32 feet east from Cedar street. Summer street, 35 feet east from Cutter avenue. Temple street, 124 feet south from Heath street. Tufts street, 114 feet east from Cross street. Vernon street, 45 feet west from Central street. Washington street, 96 feet west from Myrtle street. Washington street, 7 feet west from Boston street. Washington street, 34 feet west from Union square.

Washington street, opposite Leland street. Wheatland street, 30 feet south from Mystic avenue. Webster avenue, 68 feet north from Tremont street.

Locations of Drinking Fountains.

Belmont park			•						D
Broadway, oppos	site p	oark,	near	W	inthro	op a	venu	e .	H
Franklin park			•	•					D
Union square, j		ion	Som	ervi	lle av	vent	ie a	nd	
Washington st									H
Union square, in	froi	ıt of	Hill	bui	lding		•	•	DI
Lincoln park									D
Gilman square		•			•				H
Gilman square			•	•					DI
Cutter square		•				•			С
Davis square, in	fron	it of	Med:	ina	buildi	ng	•		DI
Teele square	•		•				•		H

H, horse trough; D, drinking fountain; I, ice water; C, combination trough and drinking fountain.

Meter Table.

SHOWING THE NUMBER OF METERS AND CLOCKS IN SERVICE, THE PURPOSE FOR WHICH THEY ARE USED, AND THE INCOME RECEIVED.

Apartment Houses and Tenements Bacon Works Bakeries Bleachery and Dye Works Blocks of Tenements, Offices and Stores Boarding-houses Bottling Works Bowling Alleys Carhouses Churches Clubhouses Coal Wharves Colleges Distilleries Electric Light Stations Elevator Clocks Factories Foundries Glass Works Grain Elevators Greenhouses Halls Hospitals Hotels Machine Shops Milk Business	20 3 4 2 34 8 2 1 1 2 1 1 1 1 1 1 18 1	24 4 4 2 34 8 2 1 5 1 1 2 10 1	1	\$1,565 54 318 94 233 24 390 46 1,924 60 190 42 20 86 35 84 625 18 19 32 15 00 842 22 375 86 516 60 1,549 56
Bacon Works Bakeries Bleachery and Dye Works Blocks of Tenements, Offices and Stores Boarding-houses Bottling Works Bowling Alleys Carhouses Churches Clubhouses Coal Wharves Coal Wharves Colleges Distilleries Electric Light Stations Elevator Clocks Factories Foundries Glass Works Grain Elevators Greenhouses Halls Hospitals Hotels Machine Shops	3 4 2 34 8 2 1 3 1 1 2 1 1 1 1 1 1 1 1 1 1 1 1	$egin{array}{cccccccccccccccccccccccccccccccccccc$	1	318 94 233 24 390 46 1,924 60 190 42 20 86 35 84 625 18 19 32 15 00 842 22 375 86 516 60
Bakeries Bleachery and Dye Works Blocks of Tenements, Offices and Stores Boarding-houses Bottling Works Bowling Alleys Carhouses Churches Clubhouses Coal Wharves Colleges Distilleries Electric Light Stations Elevator Clocks Factories Foundries Glass Works Grain Elevators Greenhouses Halls Hospitals Hotels Machine Shops	4 2 34 8 2 1 3 1 1 2 1 1 1 1 1 1 18 1	$egin{array}{c} 4 \\ 2 \\ 34 \\ 8 \\ 2 \\ 1 \\ 5 \\ 1 \\ 1 \\ 2 \\ 10 \\ 1 \\ 1 \\ 1 \\ 1 \\ \end{array}$		233 24 390 46 1,924 60 190 42 20 86 35 84 625 18 19 32 15 00 842 22 375 86 516 60
Bleachery and Dye Works Blocks of Tenements, Offices and Stores Boarding-houses Bottling Works Bowling Alleys Carhouses Churches Clubhouses Coal Wharves Colleges Distilleries Electric Light Stations Elevator Clocks Factories Foundries Glass Works Grain Elevators Greenhouses Halls Hospitals Hotels Machine Shops	34 8 2 1 3 1 1 2 1 1 1 1 18 1	2 34 8 2 1 5 1 1 2 10 1 1	1	390 46 1,924 60 190 42 20 86 35 84 625 18 19 32 15 00 842 22 375 86 516 60
Blocks of Tenements, Offices and Stores Boarding-houses Bottling Works Bowling Alleys Carhouses Clubhouses Coal Wharves Colleges Electric Light Stations Elevator Clocks Factories Foundries Glass Works Grain Elevators Greenhouses Halls Hospitals Machine Shops	34 8 2 1 3 1 1 2 1 1 1 1 18 1	34 8 2 1 5 1 1 2 10 1 1 1	1	1,924 60 190 42 20 86 35 84 625 18 19 32 15 00 842 22 375 86 516 60
Boarding-houses Bottling Works Bowling Alleys Carhouses Churches Clubhouses Coal Wharves Colleges Distilleries Electric Light Stations Elevator Clocks Factories Foundries Glass Works Grain Elevators Greenhouses Halls Hospitals Hotels Machine Shops	8 2 1 3 1 1 2 1 1 1 1 18 1	8 2 1 5 1 1 2 10 1 1	1	190 42 20 86 35 84 625 18 19 32 15 00 842 22 375 86 516 60
Bottling Works Bowling Alleys Carhouses Churches Clubhouses Coal Wharves Colleges Distilleries Electric Light Stations Elevator Clocks Factories Foundries Glass Works Grain Elevators Greenhouses Halls Hospitals Hotels Machine Shops	2 1 3 1 1 2 1 1 1 1 18 1	2 1 5 1 1 2 10 1 1	1	20 86 35 84 625 18 19 32 15 00 842 22 375 86 516 60
Bowling Alleys Carhouses Churches Clubhouses Coal Wharves Colleges Distilleries Electric Light Stations Elevator Clocks Factories Foundries Glass Works Grain Elevators Greenhouses Halls Hospitals Hotels Machine Shops	1 3 1 2 1 1 1 1 18 1	$egin{array}{c} 1 \\ 5 \\ 1 \\ 1 \\ 2 \\ 10 \\ 1 \\ 1 \\ 1 \end{array}$	1	35 84 625 18 19 32 15 00 842 22 375 86 516 60
Carhouses Churches Clubhouses Coal Wharves Colleges Distilleries Electric Light Stations Elevator Clocks Factories Foundries Glass Works Grain Elevators Greenhouses Halls Hospitals Hotels Machine Shops	3 1 2 1 1 1 1 18 1	$egin{array}{cccccccccccccccccccccccccccccccccccc$		625 18 19 32 15 00 842 22 375 86 516 60
Churches Clubhouses Coal Wharves Colleges Distilleries Electric Light Stations Elevator Clocks Factories Foundries Glass Works Grain Elevators Greenhouses Halls Hospitals Hotels Machine Shops	1 2 1 1 1 1 18 18	$egin{array}{c} 1 \\ 1 \\ 2 \\ 10 \\ 1 \\ 1 \\ 1 \end{array}$		19 32 15 00 842 22 375 86 516 60
Clubhouses Coal Wharves Colleges Distilleries Electric Light Stations Elevator Clocks Factories Foundries Glass Works Grain Elevators Greenhouses Halls Hospitals Hotels Machine Shops	1 2 1 1 1 1 18 18	$egin{array}{cccccccccccccccccccccccccccccccccccc$		15 00 842 22 375 86 516 60
Coal Wharves Colleges Distilleries Electric Light Stations Elevator Clocks Factories Foundries Glass Works Grain Elevators Greenhouses Halls Hospitals Hotels Machine Shops	2 1 1 1 1 18 18	$egin{array}{c} 2 \\ 10 \\ 1 \\ 1 \\ 1 \end{array},$		842 22 375 86 516 60
Colleges Distilleries Electric Light Stations Elevator Clocks Factories Foundries Glass Works Grain Elevators Greenhouses Halls Hospitals Hotels Machine Shops	1 1 1 1 18 1	10 1 1 1,		375 86 516 60
Distilleries	1 1 1 18 1	1 1 1,		516 60
Electric Light Stations	1 1 18 1	$\stackrel{-}{\overset{1}{1}}$		
Elevator Clocks Factories Foundries Glass Works Grain Elevators Greenhouses Halls Hospitals Hotels Machine Shops	1 18 1	$ar{1}$,		
Factories Foundries Glass Works Grain Elevators Greenhouses Halls Hospitals Hotels Machine Shops	18 1			
Foundries Glass Works. Grain Elevators Greenhouses. Halls Hospitals Hotels Machine Shops	1	*267	4	
Glass Works		$\frac{20}{1}$	1	$\begin{array}{cccccccccccccccccccccccccccccccccccc$
Grain Elevators Greenhouses Halls Hospitals Hotels Machine Shops		$\frac{1}{2}$		$286\ 17$
Greenhouses	$\frac{2}{1}$	$\stackrel{\scriptstyle \scriptstyle 2}{1}$		57 54
Halls	1	$\overset{1}{2}$		80 78
Hospitals	1	1		21 70
Hotels	$\frac{1}{2}$	3		289 94
Machine Shops	3	3		309 29
	1	1		15 00
mink Dusiness	$\frac{1}{5}$	$\overline{5}$		162 68
Motor Clocks	7	7		92 40
Pickle and Preserving Works	1	i		145 41
Poultry Farms	3	3	1	95 20
Printing Offices	1 1	1	1	58 44
Railway Stations	$\begin{vmatrix} 1 \\ 4 \end{vmatrix}$	$\frac{1}{4}$		351 24
Railway Yards	2	$\frac{1}{2}$		15,666 04
Schools	$\frac{2}{2}$	$\overset{2}{2}$		55 74
Sewerage Pumping Stations	1	1		219 78
Slaughtering and Rendering Establish-	1			210 10
ments	6	20		19,440 74
Soap Works	$\frac{0}{2}$	$\frac{20}{2}$		161 44
Stables	50	50	3	2,047 72
Steam Engines	$\begin{vmatrix} 30 \\ 2 \end{vmatrix}$	$\frac{30}{2}$		123 09
Vinegar Works	$\frac{2}{2}$	3		71 68
Wood Yards	$\begin{bmatrix} 2 \\ 2 \end{bmatrix}$	$\frac{3}{2}$		122 50
, , , , , , , , , , , , , , , , , , ,				142 00
		240	8	\$51,116 54

The quantity of water registered by the above meters and clocks in 1901 was 47,918,011 cubic feet.

Defects in Street Mains.

The following bursts and leaks in street mains occurred in 1901:—

BURSTS.

	SIZE OF MAIN.	NUMBER.
	4'' 8'' 14''	1 1 1
Total		3

LEAKS.

	SIZE OF MAIN.	NUMBER.
	4'' 6'' 8'' 10'' 16'' 18''	1 2 3 1 3 1
Total		11

Water Services.

SERVICE CONSTRUCTION.

The following table shows the sizes and lengths of service connections laid in 1901:—

	SIZE.	NUMBER.	LENGTH.		
	2"	1	23 feet		
	$\frac{1\frac{1}{2}''}{1''}$	$\frac{2}{4}$	155 "		
	8" 4 5" 8	$\frac{220}{2}$	8,455 '' 57 ''		
Total		229	8,733 feet		

Total number of service pipes laid to January 1, 1902, 10,520. Total length of service pipe used in making service connections, 66 miles, 4,121 feet.

SERVICE MAINTENANCE.

Leaks repaired on service pipes		179
Iron service boxes set		227
New service gates set on old connections .		87
Services cleaned of sediment, fish, etc		37
Services replaced at city's expense on account	of	
defective pipe and fittings		26
	•	

Summary of Statistics

FOR THE YEAR ENDING DECEMBER 31, 1901.

In form recommended by the New England Water Works Association.

SOMERVILLE WATER WORKS.

SOMERVILLE, MIDDLESEX COUNTY, MASS.

Population by census of 1900, 61,643.

Date of construction: commenced in 1868.

By whom owned: city of Somerville. Source of supply: Metropolitan water system.

Mode of supply: water is delivered into the city's mains, under both high and low pressures, by the Metropolitan Water Works.

CONSUMPTION.

- Estimated total population at date, 63,500.
- Estimated population on lines of pipe, 63,500.

Estimated population supplied, 63,500.

Total consumption for the year, not measured. Passed through meters, 359,385,082 gallons.

DISTRIBUTION.

MAINS.

- Kind of pipe: mostly cast-iron.
- Sizes, from 4-inch to 20-inch.
- 3. Extended 11,652 feet during year.
- 5. Total now in use, 86.55 miles.
- 6.
- 7.
- Cost of repairs per mile, \$3.15. Number of leaks per mile, .16. Number of hydrants added during year (public and private), 29. 9.
- Number of hydrants (public and private) now in use, 968. Number of stop gates added during year, 45. 10.
- 11.
- 12. Number of stop gates now in use, 1,248.
- Number of blow-off gates, 119.
- 15. Range of pressure on mains at centre of town, 60 pounds to 100 pounds.

SERVICES.

- 16. Kind of pipe: Lead; wrought iron—lead-lined; wrought iron cement-lined.
 - Sizes, one-half inch to six inches. 17.

Extended, 8,733 feet. 18.

- 20. Total now in use, 66.78 miles.
- 21. Number of service taps added during year, 229.

22. Number now in use, 10,520.

- 24. Average cost of service for the year, \$18.26.
- 25. Number of meters added, 22.

Number now in use, 224. 26.

- 27. Percentage of services metered, 2.13.
- 28. Percentage of receipts from metered water, 24. 29.
- Number of motors and elevators added, 0. 30. Number now in use, 8.

MAINTENANCE.

11 7	02			×		H	D.C.B.A.
V. Total	7. 7 7. F			K. Gross receipts from all sources		E. Total	
otal	Transferred from M: From other sources.			iross		otal	Water rates, fixture, Water rates, meter, Net receipts for water Miscellaneous
	sferi oth			s rec			r rat r rat r ceij
	ed f			eipt			es, f es, r ots f
	rom			s fro		•	ixtun nete or w
	Mai es.			m al		•	re, r, ater
	nten	R		1 soı		•	#16 • ±16
	ance	RECEIPTS.		ırces		٠	RECEIPTS. \$161,201 0: 51,116 5.
	Acc	PTS.		•		•	RECEIPTS. \$161,201 05 51,116 54
	Transferred from Maintenance Account From other sources.						
	• •						12,3 1,8
	٠.						\$212,317 59 1,815 77
±a.	1 ***			₩.	1	₹	~~
\$19,205 59	\$18,892 07 313 52		C	\$214,133 36		\$214,133 36	
05 5	92 0		SNO	<u>ಲ</u> ಲ		සු ස	
11			TRU				
V. Total	IJ.		CONSTRUCTION.	K. Total	<i>DD.</i> {	BB.	AA.
Tota	Tot		ż	To	~~ _	\sim	
	22			<u> </u>			
	al co			tal .	fotal m Transf Transf	Maturi	Manag Metroj Refund
•	al constru			tal .	Transferre Transferre	Maturing b	Manageme of st Metropolit Refunds
	al construction			tal	Fotal maintenar Transferred to Transferred to	Maturing bonds	Management ar of street Metropolitan W Refunds
•	al construction for			tal	Total maintenance f Transferred to Con Transferred to othe	Maturing bonds pai	Management and re of street main Metropolitan Wate Refunds
•	al construction for yea	Ехр		tal	Transferred to Other M	Maturing bonds paid	Exp. Management and repair of street mains) Metropolitan Water W. Refunds
	$J\!\!J$. Total construction for year .	Expendi		tal · · · · ·	CC. Total maintenance for year DD. Transferred to Construction Transferred to other Munici	Maturing bonds paid	EXPENDING Management and repairs, (in of street mains) Metropolitan Water Works Refunds
	al construction for year	Expenditur		tal · · · · · ·	Transferred to Construction Acc Transferred to other Municipal	Maturing bonds paid	EXPENDITUR. Management and repairs, (included of street mains) Metropolitan Water Works asserted to bords
	al construction for year	Expenditures.		tal · · · · · · ·	Total maintenance for year Transferred to Construction Account Transferred to other Municipal account	Maturing bonds paid	EXPENDITURES. Management and repairs, (including of street mains)
	al construction for year	EXPENDITURES.		tal	Total maintenance for year	Maturing bonds paid	EXPENDITURES. Management and repairs, (including rene of street mains) Metropolitan Water Works assessment
	al construction for year	Expenditures.		tal · · · · · · · · · · · · · ·	Transferred to Onstruction Account	Maturing bonds paid	EXPENDITURES. Management and repairs, (including renewals of street mains)
		EXPENDITURES.			n Account	Maturing bonds paid	EXPENDITURES. repairs, (including renewals ins)
		EXPENDITURES.			n Account	aid	EXPENDITURES. repairs, (including renewals ins)
	al construction for year \$19,205 59	Expenditures.		tal	Total maintenance for year	aid	EXPENDITURES. Management and repairs, (including renewals \$32,879 53 of street mains)

W. Net cost of works to date . . .
X. Bonded debt at date . . .
Z. Average rate of interest 4 per cent

\$785,690 22 175,000 00

REPORT OF CHIEF ENGINEER OF FIRE DEPARTMENT.

Office of Chief Engineer of Fire Department, January 6, 1902.

To His Honor, the Mayor, and the Board of Aldermen:-

I present herewith the annual report of the Fire Department covering the operations of the year ending December 31, 1901.

			1 11 4	00.						
Number of									153	
Number of	still	alarms	•	•	•	•	•	•	93	
Total a	larms					•			246	
Value of buildings a	at risl	k.							\$261,500	
Damage to same									35,154	
Insurance on same									168,110	
Value of contents		•	•	•	•	•	•	•	76,474	
Damage to same Insurance on same	•	•	•	•	•	•	•	•	31,620 49,750	
Taka1 1									337,974	
Total damage .									66 774	

During the past year there have been but few serious losses by fire. Five fires necessitated the ringing of a second alarm for the protection of surrounding property. The speedy extinguishment of these fires has shown the value of good apparatus, plenty of water, and competent firemen. The relief fund for the benefit of injured firemen has received several generous contributions from property owners, as marks of their appreciation of the services of the department.

217,860 00

Total insurance

Manual Force.

The manual force of the department consists of one hundred and fourteen men, an increase of seven 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
Two hose companies of 10 men each		20
Two hose companies of 8 men each.		16
One hose company of 6 men		. 6
One chemical company of 3 men •.		3
Two ladder companies of 13 men each		26
One relief driver		1
Total		114

Equipment.

The apparatus of the department consists of three steam fire engines, six hose wagons, two combination chemical engines and hose wagons, two ladder trucks, and one chemical engine.

Each steam fire engine has a pumping capacity of seven hundred gallons per minute. Their weights, as run to fires, are: Engine 1, 8,575 pounds; engine 2, 7,400; engine 4, 8,800.





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 No. 7, 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. It weighs 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, exclusive of men, 5,860 pounds.

Ladder truck No. 2 carries 380 feet of ladders, two portable chemical extinguishers, and a life-saving canvas, and weighs,

without men, 5,700 pounds.

We have also one spare ladder truck and two spare hose reels that are kept in condition for immediate use.

The apparatus is generally in good condition except the

boiler of engine 4, which should be replaced by a new one.

There are thirty-six horses belonging to the department, and two used by the assistant engineer and the electrical department are also cared for.

The total number is apportioned as follows:—

Engine 1							•		3	horses.
Engine 1									2	"
Engine 2									3	66
Engine 2	hose	wage	on						2	"
Engine 4					·	·	·		3	"
Engine 4					•	•	•	•	2	66
Hose 2					•	•	•	•	2	66
		•			•	•	•	•	0	66
Hose 3		•				•	•	•	4	66
Hose 5								•	2	66
Hose 6 (0									3	
Hose 7 (0	Comb	inatic	n E	Iose a	ınd (Chem	ical)		2	66
Chemical	A								2	66
Ladder 1									3	66
Ladder 2									3	66
Chief of					·	Ť	·	·	1	66
Assistant			1.0	•	•	•	•	•	1	"
			•	•	•	•	•	•	1	"
Spare					•	•	•	•	1	"
Electrical	рер	artme	ent	•	•	•	•	•	Т	
Total	•	•	•		•		•	•	38	

Service.

The eleven companies composing the department have responded a total of 835 times to the 246 bell and still alarms, trav-

eled a total distance of 1,594 miles, used 60,300 feet of fire hose, 30,200 feet of chemical hose, 5,445 feet of ladders, 6,445 gallons of chemicalized water, and 126 portable chemical extinguishers. A tabulated statement of the service performed by each company will be found near the end of this report.

Discipline.

The usual good discipline of the department has been maintained during the past year. The members have displayed intelligence and courage in emergencies; they have fought fire through blinding and suffocating smoke and have rescued people from burning buildings.

Recommendations.

The department buildings are in good condition with the exception of the Union Square station, occupied by Ladder 1, and Hose Company 3. Necessary repairs at this house should be made at once.

I recommend the purchase of an additional engine to be used in case of emergency or when any of our present engines require repairs, that there may always be at least three engines fit for service. Somerville needs more steam fire engines. While hydrant pressure is sufficient to extinguish fires in their incipiency, yet there are times when the flames cannot be controlled without the pressure of a steam fire engine, and when we consider the fact that one engine is capable of throwing upon a fire fifty per cent. more water than the best hydrant in the city, the value of the steam fire engine cannot be overestimated.

I recommend that a combination chemical engine and hose wagon be placed in the house of Hose 3, Union Square, in place of the wagon now there. The additional expense of maintaining this piece of apparatus will be but slight; no additional men will be required and such a piece of apparatus will be of far greater value as a fire extinguishing force than the hose wagon now used.

I also recommend that two permanent hosemen be appointed, one in Hose Company No. 2, the other in Hose Company No. 5. In each of these companies there is but one man permanently employed, and whenever it becomes necessary for this man to be absent from his post, the station must be left in charge of some person who will volunteer his services in case of of an alarm of fire. When conflagrations were infrequent, this arrangement was fairly satisfactory, but the increase in fires, and especially the increase of liability to large and disastrous fires, make it imperative that the necessary force of firemen should be always present when each piece of fire apparatus arrives at a fire.

I again urge that measures be taken to limit the construction of shingled roofs, which are a menace to public safety. Many times large and serious conflagrations are caused by the sparks

from a small fire falling upon shingled roofs and wooden dwellings. No permit should be granted for the erection of any building covering an area of over 2,000 square feet and more than one story high, unless the outer walls be of stone, brick, or iron, and the roof covered with some non-inflammable material. The four cuts in this report represent the exterior and interior of the I. H. Brown Moulding mill, also of the building of M. W. Carr & Co. The value of buildings with non-inflammable walls and roofs was demonstrated at these fires. While the interiors and contents of both these buildings were destroyed, the property adjacent was injured neither by flames nor sparks. The first-named building was of brick and the other of wood covered with corrugated iron, each having a non-inflammable roof. If walls and roofs had been solely of wood, there would undoubtedly have been much more serious loss.

I desire to thank His Honor, the Mayor, the Board of Aldermen, and all those who have co-operated with the department in making its year's work successful, and I would express to the members of the Fire Department my appreciation of their effi-

cient service during the past year.

Causes of Fires and Bell Alarms.

Accidental	1
Ashes	$\bar{2}$
Burning fat	1
Chimney	$\bar{7}$
Children playing with matches	14
Clothing in contact with stove	1
Defective insulation of wires	$\hat{3}$
Drapery in contact with gas jet	$\frac{3}{2}$
Drying plastering	$\frac{5}{6}$
T 1	16
Fire in Charlestown	1
Friction of machinery	$\frac{1}{2}$
	$\frac{2}{2}$
Gas explosion	$\frac{2}{3}$
Ignited naphtha	4 5
Incendiary	
Kettle of tar boiling over	3
Lamp, breaking of	15
Lantern, breaking of	1
Matches	5
Oil stove overheated	8
Rubbish	8
Smoke mistaken for fire	2
Sparks from locomotive :	5
Sparks from tobacco pipe	6
Sparks on roof	9
Spontaneous combustion	3
Stove overheated	1
Thawing water pipes	5
Unknown	10
Wood near hot stove	2
Total bell alarms	153

Service of Companies in Fire Department, Year 1901.

	Totals.	835	100	1,594	008'09	30,200			6,445	14
	Hook and Ladder 2	02	8	132			1,490	14	•	
	Hook and Ladder 1	87	67	36	•		2,515	4		
	Chemical A.	66	15	231	•	21 350	245		4,800	•
.7	Hose and Chemical	2.2	G	155	2,800	6,550	•	11	875	ಸ
.9	Hose and Chemical	41	9	88	3,250	2,300	40	•	770	G
	Hose 5.	88	13	169	12,350		450	44	•	
	Hose 3.	84	G	201	10,600		55	12	•	
	Hose 2.	19	G	122	6,950		180	14		
	Engine 4.	58	14	100	7,250		85	G		
	Engine 2.	55	10	103	8,250	•	250	10	•	•
	Engine 1.	109	ಸಾ	192	8,850	•	135	S	•	•
		•		•	•	•	•		•	
		•		•			•			
						p		p	nsed	tions
		l to	l to		nsed	e use		s use	ater	r sta
	-	nded	ondec		hose	l hos	pesi	isher	cal w	othe
		respo	respo	pa	rant.	mica	ers u	tingn	hemi	ty at
		rms	rms	avel	hyd	Che	ladd	al ex	o jo	np du
		Bell alarms responded to	Still alarms responded to	Miles traveled	Feet of hydrant hose used	Feet of Chemical hose used	Feet of ladders used	Chemical extinguishers used	Gallons of chemical water used	Times on duty at other stations
		Be	St	M	Fe	Fe	Fe	Ch	Ga	Tin



I. H. BROWN MOULDING MILL.

Roster of Department.

James R. Hopkins		. Chief Engineer	•		•	27 Summit ave.
Nathaniel C. Barker		. Assistant Engineer				265 Highland ave.

ENGINE COMPANY NO. 1.

NAME.	Born.	RANK.	OCCUPATION.	RESIDENCE.
Edward W. Ring,	May 6, 1847,	Captain,	Fireman,	Medford st.
Frank Langer,	July 4, 1854,	Lieutenant,	Wood Moulder,	Trull lane.
John W. Bartlett,	Feb. 22, 1862,	Engineman,	Fireman,	Pleasant ave.
William A. Burbank,	March 6, 1842,	Asst. Engineman,	Fireman,	Gilman st.
Harry W. Elwell,	April 21, 1868,	Driver,	Fireman,	Hudson st.
Harry J. Locke,	April 25, 1871,	Driver,	Fireman,	Medford st.
Fred S. Young,	Feb. 1, 1867,	Hoseman,	On water works,	Oxford st.
Oscar J. Lingley,	April 5, 1860,	Hoseman,	Milkman,	Avon st.
Benjamin F. Johnson,	Nov. 20, 1864,	Hoseman,	R. R. Yard Man,	Medford st.
Sewall M. Rich,	Nov. 6, 1866,	Hoseman,	Merchant,	Medford st.
Joseph W. Mess,	Sept. 25, 1863,	Hoseman,	Pedler,	Chester ave.
Charles W. Boyer,	Dec. 23, 1871,	Hoseman,	Mech. Engineer,	Highland ave:
Melvin F. Underwood,	Nov. 28, 1873,	Hoseman,	Electrician,	Medford st.

ENGINE COMPANY NO. 2.

NAME.	Born.	RANK.	OCCUPATION.	RESIDENCE.
Benjamin H. Pond,	Oct. 25, 1867,	Captain,	Fireman,	Bonner ave.
John Frizzell,	Oct. 14, 1856,	Lieutenant,	Painter,	Everett ave.
Clarence V. Cook,	Oct. 1, 1858,	Engineman,	Fireman,	Arthur st.
Walter H. Young,	Dec. 25, 1869,	Asst. Engineman,	Fireman,	Fountain ave.
Lewis E. Seymour, Jr.,	March 25, 1873,	Driver,	Fireman,	Brook st.
William J. Logan,	July 4, 1842,	Hoseman,	Painter,	Autumn st.
Robert Geaton,	Feb. 22, 1861,	Hoseman,	Painter,	Glen 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,	Brook st.
Frederick W. Kimball,	Aug. 11, 1866,	Hoseman,	Woodworker,	Brook st.
David L. Stevens	March 17, 1873,	Hoseman,	Blacksmith,	Kensington ave.

ENGINE COMPANY NO. 4.

NAME.	Born.	Rank.	Occupation.	Residence.
John Gillooly,	June 9, 1856,	Captain,	Fireman,	Winslow ave.
Danforth S. Steele,	Sept. 9, 1850,	Lieutenant,	Foreman,	Leslie pl.
Lindorf D. Bixby,	Jan. 31, 1841.	Engineman,	Fireman,	Highland ave.
Joseph A. Sander,	April 28, 1868,	Act. Asst. Eng'm'n	Fireman,	Elm ct.
Charles H Stearns,	Dec. 7, 1854,	Driver,	Fireman,	Highland ave.
George F. Bixby,	March 27, 1869,	Act. Driver,	Fireman,	Highland ave.
Eugene H. Jones,	June 17, 1864,	Hoseman,	Lineman,	Chandler st.
John F. Berton,	Feb. 14, 1857,	Hoseman,	Painter,	College ave.
James I. King,	March 30, 1865,	Hoseman,	Painter,	Elm ct.
George C. Creighton,	Sept. 18, 1865,	Hoseman,	Type Founder,	Cutter ave.
John B. Rufer,	March 16, 1869,	Hoseman,	Blacksmith,	Lowell st.
George H. Moore,	June 20, 1871,	Hoseman,	Cigar Dealer,	Wallace st.
George H. Keay,	Sept. 23, 1868,	Hoseman,	Fish Dealer,	Herbert st.
Howard A. Twiss,	Nov. 27, 1879,	Hoseman,	Merchant,	Highland ave.

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,	Moreland st.
Harry V. Spike,	Aug. 2, 1873,	Hoseman,	Clerk,	Sargent ave.
Charles A. Woodbury,	Jan. 31, 1859,	Hoseman,	Foreman,	Sargent ave.
Frederic E. Cushing,	Dec. 20, 1845,	Hoseman,	Painter,	Marshall st.
Benjamin Marble,	May 1, 1870,	Hoseman,	Clerk,	Temple st.
Charles Spike,	Feb. 8, 1875,	Hoseman,	Clerk,	Sargent ave.
Edward F Curtis,	July 30, 1869,	Hoseman,	Clerk,	Jaques st.

HOSE COMPANY NO. 3.

NAME.	Born.	RANK.	OCCUPATION.	RESIDENCE.
Thomas H. Daley,	Apr. 3, 1845,	Captain,	Fireman,	Broadway.
Frank L. Draper,	July 31, 1852,	Lieutenant,	Lineman,	Chester ave.
Henry J. Turner,	Feb. 24, 1865,	Driver,	Fireman,	Somerville ave.
Francis S. Brown,	Feb. 4, 1845,	Hoseman,	Watchman,	Columbus ave.
Thomas W. Joy,	Feb. 22, 1856,	Hoseman,	Cooper,	Somerville ave.
Alfred R. Higgins,	Feb. 25, 1849,	Hoseman,	Park Police,	Prospect st.
Edward A. Parker,	Oct. 29, 1851,	Hoseman,	Park Police,	Summer st.
Lyle Sterling,	Feb. 28, 1867,	Hoseman,	Horse Trainer,	Somerville ave.

HOSE COMPANY NO. 5.

NAME.	Born.	Rank.	OCCUPATION.	Residence.
Edwin F. Trefren,	March 28, 1858,	Captain, Driver,	Fireman,	Lowell st.
William J. Blaisdell,	May 16, 1846,	Lieutenant,	Painter,	Summer st.
Martin E. Driscoll,	Dec. 21, 1872,	Hoseman,	Painter,	Miller st.
Horace L. Dunklee,	Dec. 12, 1854,	Hoseman,	Fireman,	Somerville ave.
George R. Green,	Feb. 27, 1866,	Hoseman,	Florist,	Somerville ave.
Michael H. Kennedy,	July 14, 1873,	Hoseman,	Lahorer,	Somerville ave.
Otto T. Teakles,	March 22, 1871,	Hoseman,	Plasterer,	Cypress st.
Daniel W. McDermott,	March 14, 1846	Hoseman,	Painter,	Somerville ave.
Frederick G. Jones,	Nov. 26, 1866,	Hoseman,	Painter,	Somerville ave.
Albert F. McGrath,	July 14, 1877,	Hoseman,	Butcher,	Lowell st.

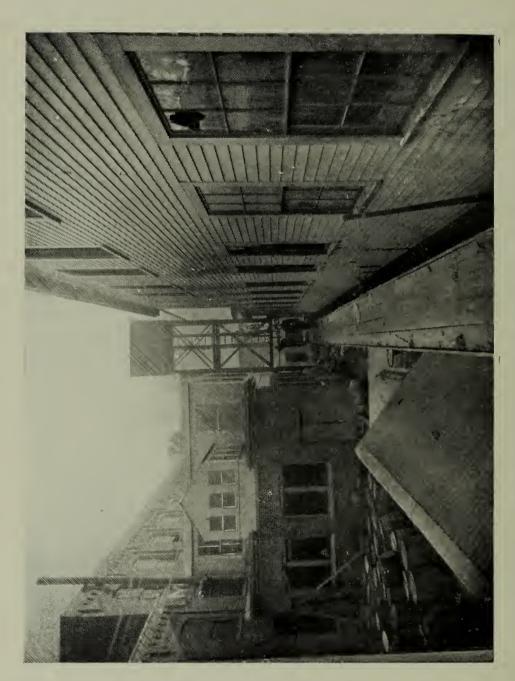
HOSE AND CHEMICAL COMPANY NO. 6.

NAME.	Born.	Rank.	OCCUPATION.	RESIDENCE.
Joseph A. Cribby,	Aug. 22, 1864,	Captain,	Fireman,	Broadway.
George W. Bridges,	March 22, 1876,	Lieut. and Driver,	Fireman,	Westminster st.
Frank M. Ott,	Dec. 19, 1876,	Hoseman,	Light Trimmer,	Highland ave.
Walter M. Brown,	Sept. 6, 1863,	Hoseman,	Teamster,	Highland ave.
Elmer C. Shiere,	Apr. 29, 1878,	Hoseman,	Clerk,	Elm st.
Charles F. Hathaway,	Feb. 11, 1876,	Hoseman,	Laundryman,	Elm st.
Charles H. Bridges,	Nov. 29, 1848,	Hoseman,	Machinist,	Westminster st.
Homer A. White,	July 27, 1865,	Hoseman,	Painter,	Newbury st.

HOSE AND CHEMICAL COMPANY NO. 7.

NAME.	Born.	RANK.	OCCUPATION.	RESIDENCE.
Arthur M. Gilman,	Aug. 19, 1866,	Act. Lieutenant,	Fireman,	College ave.
Arthur C. Sellon,	July 15, 1863,	Driver,	Fireman,	Flint 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.
Alfred M. Pride,	Apr. 6, 1869,	Hoseman,	Carpenter,	Hudson st.





BUILDING OF M. W. CARR & CO. OCCUPIED BY N. E. ELECTRIC MFG. CO.

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, 1859,	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. Follon,	March 3, 1859,	Ladderman,	Laborer,	School st.
James D. Perkins,	Nov. 25, 1858,	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,	Pitman st.
Frank H. Eaton,	Feb. 1, 1855,	Ladderman,	Teamster,	Prospect pl.
Luther F. Bickers,	May 29, 1873,	Ladderman,	Laborer,	Lake st.

HOOK AND LADDER COMPANY NO. 2.

Name.	Born.	RANK.	OCCUPATION.	Residence.
Horace W. Hutchins,	Aug. 26, 1866,	Captain,	Fireman,	Hudson st.
Charles E. Shaw,	Oct. 13, 1854,	Lieutenant,	Paperhanger,	Eastman pl.
Harry F. Bucknam,	Sept. 21, 1872,	Driver,	Fireman,	Highland ave.
John E. Hill,	Dec. 25, 1845,	Ladderman,	Salesman,	Cherry st.
Clarence H. Alley,	March 16, 1869,	Ladderman,	Carpenter,	Highland ave.
Clarence T. Conant,	Dec. 10, 1868,	Ladderman,	Milk Dealer,	Hudson st.
William J. Kennedy,	March 19, 1863,	Ladderman,	Plumber,	Alpine st.
Le Baron Emery,	May 11, 1859,	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,	Sept. 20, 1876,	Ladderman,	Painter,	Warwick st.
Charles F. Mills,	Aug. 26, 1876,	Ladderman,	Carpenter,	Alpine st.

RELIEF DRIVER.

George R. Dale; born, Jan. 22, 1871; residence, 25 Newbury st.

IN MEMORIAM.

SAMUEL H. STEVENS.

May 18, 1842—June 26, 1901.

Samuel H. Stevens served continuously in the fire department for forty years, as captain of Hose Company No. 1, as an assistant engineer, and as captain of Engine Company No. 4.

He was injured several times, but received his last injury in July of 1899, whereby he was incapacitated for duty for a period of two years. His long term of service was marked by faithfulness and efficiency, and he has left behind him an honorable record.

JESSE A. LIPSETT.

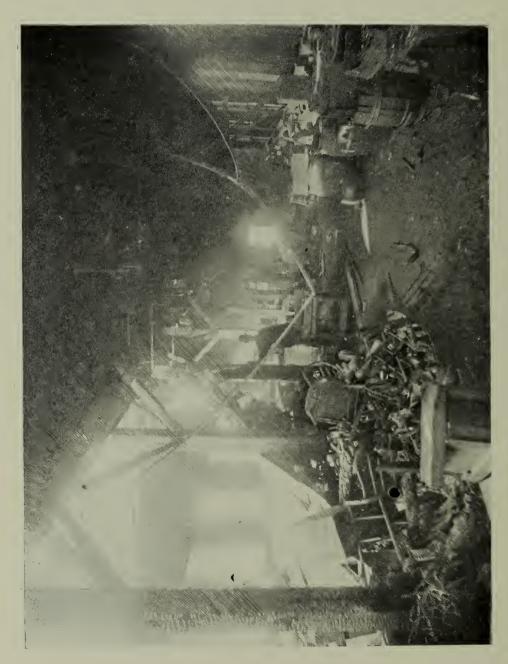
September 3, 1865—April 1, 1901.

Jesse A. Lipsett was killed when returning from a fire. During his term of service he was a permanent hoseman on Chemical A, lieutenant of Chemical A, and lieutenant of Hose and Chemical Company No. 7.

In the death of Mr. Lipsett, the Fire Department has lost a man whose equal it would be difficult to find. As a mechanic, he was skillful; as an associate and companion, he was lovable; and in all the qualities that go to make up the true man and noble fireman, he was complete.

He has left an honorable record and his memory will be ever dear to the members of the Somerville Fire Department.





BUILDING OF M. W. CARR & CO. OCCUPIED BY N. E. ELECTRIC MFG. CO.

Fire Department Account.

				CREI	DIT.						
Appropriation				•				•		\$60,900	00
Receipts:—							_			010	
Board of two ho	orses	used	l in t	the 1	llectr	ical	Depa	ırtme	ent,	312	
Old horse .	•	•	•	•	•	•	•	•	•	35	00
Total credit				•		•	•			\$61,247	00
				DEE	SIT.						
Expenditures:-											
For salaries of	pern	nanei	nt m	en a	nd st	ıb-					
stitute drive							\$3	6,253	29		
Salaries of cal	ll mei	n						4,086			
Improvement	and a	epai	rs o	f ap	parat	118		·			
and vehicles							9	2,400	33		
Hay and strav	V							2,501	33		
Grain and feed								1,286	01		
Horseshoeing								874	51		
Horse medicir	ne and	d do	ctori	ng				61	35		
Harnesses, and	d repa	airin	g sa	me				248	38		
Hose, and rep								659	43		
Washing and	ironii	ng						429	13		
Ice								75	62		
Fire extinguis	hers							77	28		
Telephones								151	83		
Horses .								479	10		
Supplies .								581	65		
Incidentals								869	16		
									_		
Total debi	t	•	•	•	•	•	•	•	•	\$61,034	43
Unexpend	ed ba	lanc	e				•			\$212	57

Respectfully submitted,

James R. Hopkins,

Chief Engineer.

REPORT OF THE CHIEF OF POLICE.

Office of the Chief of Police, January 6, 1902.

To the Honorable, the Mayor and Board of Aldermen of the

City of Somerville:—

Gentlemen,—Herewith I respectfully present a brief synopsis of the doings of the Police Department for the year ending December 31, 1901:—

Whole number	of	arrests	for	the	year	•						1,437
			•			•	•		•	•		1,357
Females .		•	•	•	•	•	•	•	•	•	•	80
Americans	•	•	•	•	•	•	•	•	•	٠	•	695
Foreign born	•	•	•	•	•	•	•	•	•	•	•	742

Of the total number of arrests, six hundred and sixteen were non-residents, and one hundred and seventeen were juveniles.

Miscellaneous Reports.

Alarms given for fire			•	6
Buildings found open and secured				349
Disturbances suppressed				13
Defective streets reported				650
Fires extinguished without an alarm				2
Larcenies reported			•	302
Amount reported stolen				\$6,467.00
Amount recovered				\$3,237.00
Obstructions in streets reported .				715
Water pipes reported dangerous .				430
Street lights reported not lighting				10,059

IN MEMORIAM.

PATROLMAN ULYSSES GRANT SKINNER.

Appointed May 11, 1892. Died July 3, 1901.





BOW STREET STATION.

Arrests.

The following is a comparative table of arrests made for the offences named during the last five years:—

Offence.	1897.	1898.	1899.	1900.	1901.
Abandoning child			1		
Abortion	• •		1		
Arson			1	1	
Assault and battery	97	113	$1\overline{26}$	115	122
Assault felonious	6	3	7	6	5
Bastardy	5	5	10	$ $ $\tilde{9}$	10
Breaking and entering	$2\overline{2}$	41	$\frac{1}{29}$	29	24
Common railer and brawler.	1		1	1	
Contempt of court	1	$\frac{1}{2}$		$\frac{1}{2}$	
Crime against nature	1				• •
	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{\cdot \cdot}{2}$	• •	$\frac{\cdot \cdot}{2}$
Cruelty to animals Disturbing the peace	$3\overline{4}$	17	13	16	33
Drunkenness	1,096	823	846	771	739
Favesdronning	1,500				1
Evading railroad fare	$\frac{1}{2}$	$\frac{\cdot \cdot}{2}$	3	• •	1
Embozzloment	8	$\frac{2}{7}$	8	• •	• •
Embezzlement	$rac{5}{4}$		3	• •	• •
Forgery		$\frac{1}{a}$			• •
riadu	7	6	4	3	4
Keeping unlicensed dog	• •	• •	1	$\frac{4}{2}$	
Keeping milk below standard .	• •	• •	• •	2	20
Keeping common gambling joint.	• •	• •	• •	1	• •
Keeping horse with glanders .	• •	• •	• •	2	• •
Kidnapping child Larceny	• •	<u>.</u> ;	• •	3	• • •
Larceny	72	74	68	112	83
Lewdness	3	3	8 .	4	6
Malicious mischief	13	6	30	22	27
Manslaughter	• •	• •	• •		1
Murder	• _	• •	1		
Neglected children	9	18	11	3	13
Neglect to support family	14	6	12	21	16
Peddling without license	23	28	17	27	15
Present where gaming implements were found	• •			15	17
Receiving stolen property	3	3	1	3	3
Refusing to assist officer	• •				2
Selling adulterated food	1	• •	7	14	$\frac{1}{2}$
Stubbornness	$\overline{4}$	10	5	12	11
em t	$\frac{1}{4}$	$\frac{10}{4}$	$\frac{3}{4}$	5	14
Threats		3	60		1-1
Unlawful sale of tobacco			• • •	• •	4
Unlawful use of registered bottles	•		• •	21	2
Violation of city ordinance	38	49	$\dot{36}$	s0	45
Violation of caucus laws	••		$\frac{30}{2}$		
Violation health laws		i		3	$\frac{\cdot \cdot}{2}$
Violation liquor laws	16	8	13	$\frac{3}{7}$	$2\overset{2}{3}$
Violation Lord's Day	$\frac{10}{22}$	10	33	27	44
Vagrancy	28	$\frac{10}{24}$	15	$\frac{27}{22}$	17
Willful trespass	7	$\frac{24}{17}$	$\frac{10}{14}$	65	19
Walking on railroad track	11	13	13		
	11	15	15	75	50
Total	1,555	1,299	1,349	1,503	1,376

The foregoing comparative table shows that, while the population of the city has increased in the meantime more than ten thousand souls, that great crimes and disorderly conduct have not prevailed, or, to say the least, have not increased in number during this period.

Police Signal and Patrol Wagon.

The police signal and patrol wagon system is a valuable adjunct to this department, and has been kept in fairly good shape for thirteen years, and I earnestly recommend its continuance, but to do so will necessitate placing the police wires underground, and providing a new patrol wagon.

The following table shows this year's record on the tape of

the signal system:—

Number of on duty reports made by the patrolmen			185,986
Number of runs made with the patrol wagon .			895
Number of prisoners conveyed to the station .			1,004
	•	•	1,392
Number of telephone calls made by the patrolmen			14,410

Ambulance Service.

The public or police ambulance, as it is called, is becoming an expensive attachment to this department, and its use should be restricted to emergency service, instead of moving persons from house to house at the request of the medical fraternity, as is now the practice.

This year the ambulance has been called into service two

hundred and fifty-nine times.

Recommendations.

I respectfully recommend that two sergeants of police be promoted and appointed lieutenants, with a fixed salary of one hundred and fifty dollars each per year more than the amount paid to the sergeants, and that the vacancies thus caused in the rank of sergeants be filled by promoting two patrolmen.

I also recommend that the reserve police, which now consists of eight men, be increased to ten men, the maximum num-

ber allowed by law.

Also a change in the style of the police badge; the present badges of the police patrolmen are quite antique, and a modern style representing something besides numbers would look better, and be in keeping with the times.

Police Pensions.

The act which was accepted by the Board of Aldermen, and approved by Mayor Glines, this year, authorizing retiring and pensioning certain police officers, I believe should be at once put into execution, so that young, sound and capable men would fill the vacancies caused by such persons being pensioned off, and the standard of the department would be kept up without increasing the number, at much less expense than to keep such persons upon full pay virtually doing nothing, and I recommend your immediate consideration of this subject.

In General.

The enforcement of the curfew ordinance, so-called, has had a fair trial this year, and I think, with the help of the parents of children, more can be accomplished next year by the police. I can say, however, no complaint has come to me of any neglect

of the officers enforcing the ordinance.

For several years a few men have been selected from the department by me, and assigned to special emergency work in criminal cases, wherein the wearing of a police uniform would prevent them from accomplishing their purpose; therefore, such men are allowed to go about wearing the ordinary citizen's clothing while performing such work. The time is not far distant when such officers should receive a rank, and also receive more pay than a patrolman. A full account of the good work accomplished by such officers would be too cumbersome for this

To the Honorable Mayor, Edward Glines, the Board of Aldermen and to the several heads of the departments of the city, I want to extend my heartfelt thanks for their support, and the universal aid given me and the members of this department dur-

ing the past year.

The officers next to me and the patrolmen have this year, with few exceptions, all performed their duties satisfactorily, and I extend to them my sincere thanks.

The following is a list of the present members of the depart-

ment:--

Roster of Police Department. CHIEF.

Melville C. Parkhurst, born April 26, 1842; appointed patrolman May 29, 1868, promoted to captain April 4, 1870, and to chief January 6, 1872.

CAPTAIN.

Robert R. Perry, born August 16, 1842; appointed patrolman September 6, 1867, promoted to captain February 1, 1873.

SERGEANTS.

Edward McGarr, born February 13, 1837; appointed patrolman March 1, 1871, promoted to sergeant September 1, 1884.
Christopher C. Cavanagh, born September 6, 1838; appointed patrolman June 1, 1869, promoted to sergeant August 10, 1885.
Dennis Kelley, born July 5, 1845; appointed patrolman April 20, 1881, promoted to sergeant May 10, 1892.

Eugene A. Carter, born September 20, 1860; appointed patrolman April

1, 1884, promoted to sergeant February 10, 1893.
Charles E. Woodman, born November 19, 1858; appointed patrolman February 8, 1888, promoted to sergeant October 20, 1899.

PATROLMEN.

Phineas W. Skinner, born April 24, 1843; appointed July 23, 1872. John Hafford, born November 13, 1845; appointed January 3, 1873. Albion L. Staples, born September 14, 1837; appointed January 10, 1875. George W. Bean, born January 7, 1839; appointed January 10, 1875. John E. Fuller, born February 11, 1844; appointed January 10, 1875. George H. Carleton, born May 2, 1853; appointed January 9, 1883. Edward M. Carter, born October 20, 1856; appointed April 15, 1883. George L. Smith, born November 22, 1855; appointed November 19, 1883. Francis A. Perkins, born April 14, 1854; appointed December 18, 1886. William H. Johnston, born June 29, 1863; appointed February 13, 1887. Charles S. Thrasher, born December 5, 1859; appointed February 23, 1887. Arthur E. Keating, born September 27, 1862; appointed January 16, 1889. John G. Knight, born April 18, 1863; appointed May 8, 1889.

Jacob W. Skinner, born November 30, 1854; appointed October 23, 1889.

Theodore E. Heron, born May 10, 1861; appointed March 26, 1890.

David A. Bolton, born March 28, 1868; appointed November 13, 1891.

James M. Harmon, born December 14, 1860; appointed May 11, 1892.

Michael T. Kennedy, born October 25, 1860; appointed May 11, 1892.

Ira S. Carlton, born June 15, 1864; appointed May 11, 1892.

Charles W. Stevens, born September 1, 1857; appointed May 11, 1892. Charles W. Stevens, born September 1, 1857; appointed May 11, 1892. Ezra A. Dodge, born August 31, 1859; appointed May 11, 1892. Eugene H. Gammon, born January 28, 1854; appointed May 11, 1892. James J. Pollard, born October 23, 1861; appointed February 23, 1893. Daniel G. Simons, born October 10, 1868; appointed February 23, 1893. Samuel Burns, born April 4, 1867; appointed April 25, 1894.
Fred H. Googins, born August 28, 1860; appointed April 25, 1894.
Jotham Chisholm, born October 24, 1858; appointed May 9, 1894.
William J. Davidson, born November 30, 1866; appointed June 12, 1895. Elmer E. Drew, born December 17, 1861; appointed July 24, 1895.

John A. Dadmun, born April 26, 1866; appointed June 10, 1896.

Eugene A. Woodsum, born July 6, 1863; appointed March 10, 1897.

George L. Rice, born August 17, 1863; appointed July 28, 1897.

Myron S. Gott, born January 6, 1866; appointed May 22, 1900.

John A. Ray, born November 8, 1872; appointed May 22, 1900.

Herbert Hilton, born December 7, 1866; appointed May 22, 1900.

Charles W. Rieck, born November 15, 1864; appointed May 22, 1900.

Charles E. Byrnes, born September 4, 1867; appointed March 20, 1901.

Thomas Damery, born August 24, 1872; appointed March 20, 1901. Thomas Damery, born August 24, 1872; appointed March 20, 1901. Frank C. Hopkins, born May 30, 1869; appointed March 20, 1901. Charles W. Allen, born June 3, 1869; appointed July 17, 1901.

RESERVE POLICE.

Clifford B. True, born August 27, 1867; appointed October 11, 1899. Hudson M. Howe, born October 25, 1862; appointed March 22, 1900. Frederic J. Balcom, born October 31, 1866; appointed March 22, 1900. Ernest S. Goff, born May 26, 1866; appointed March 22, 1900. Frank H. Graves, born October 24, 1877; appointed April 3, 1901. Henry A. Sudbey, born November 28, 1866; appointed April 3, 1901. Sanford S. Lewis, born September 26, 1865; appointed April 3, 1901. Harry L. Allen, born July 10, 1875; appointed July 17, 1901.

Respectfully submitted,

MELVILLE C. PARKHURST,

Chief of Police-

REPORT OF SEALER OF WEIGHTS AND MEASURES.

OFFICE OF SEALER OF WEIGHTS AND MEASURES, I 42 Sargent Ave., Somerville, Jan. 3, 1902.

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, 1901, is respectfully submitted:—

Section 12 of 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, no fees shall be charged for such service when the articles to be sealed are brought to the office of the sealer.

In compliance with the foregoing section, the customary no-

tice was given through the local papers in March.

During the vear the Sealer visited all places in the city where goods were bought or sold, and tested and sealed all scales, weights and measures which were found correct, and condemned all found beyond repair and useless. One hundred and eightyseven scales, weights and measures were adjusted before sealing; seventeen scales were tagged for repairs, eight of which were repaired as ordered, and the remaining nine were destroyed and put out of use.

The schedule of fees for work done outside of the office is as follows:—

Platform balances of 5,000 pour Platform balances of less than All other scales, each Weights, dry and liquid measury Yardsticks and coal baskets, each	5,00 ires,	0 por each	ınds	capa	icity,	each	ı .		(50 03 03
The work done in the Number of scales sealed .							29	23		
Number of weights sealed . Number carried forward	•	•	•	٠	•	•	24	_		

Number brought forward	37
	33,765 49 24 1 3
Number of all kinds adjusted	77 9 1 2 98
Number of all kinds condemned	2,710 8 14
Total number	22
Total number of tests in the office	36,574
•	
Amount of work done outside of office:—	
Number of scales sealed	14 38 23
Number of weights adjusted	6,686 66 11 2
Total number adjusted	9 3
Number of dry measures condemned	12 1 4 0 6 3 2
Total number condemned	- 76
Total number of tests outside of office	. 6,884
Total number of tests in and out of the office	. 43,458

The expend	iture	s for	the	e yea	r 19	01 w	ere	as fo	llow	's :
Printing, books, a	nd po	stage				•		\$48		
Tools and supplie	S	•	•	•	•	•			84	
Team and helper	•	•	•	•	•	•		238		
Salary	•	•	•	•	•	•		900	00	** • • • • • • • • • • • • • • • • • •
								 -	_	\$1,221 79
Fees receive	ed an	d pa	id (City	Trea	asure	er:—	-		
Fees for sealing								\$351	17	
Fees for adjusting									90	
							**********			\$356 07
Net expense t	o city									\$865 72

John H. Dusseault, Sealer of Weights and Measures.

REPORT OF THE CITY SOLICITOR.

SOMERVILLE, February 7, 1902.

To His Honor, the Mayor, and the Board of Aldermen:—

Gentlemen,—The following is my report as City Solicitor for

the year 1901:—

Under special acts of the legislature passed in 1898 and 1900, all the remaining land intended to be included in the proposed park on Prospect Hill, amounting to about one and threetenths acres, was taken by right of eminent domain. acts above mentioned, betterment assessments must be made before January 1, 1905, so it is desirable that the work of construction shall be completed before that date. A special act of the legislature was secured giving authority to acquire additional land for almshouse purposes, and under the act three parcels of land were taken at the corner of Broadway and North Street. An act was passed by the legislature directing the metropolitan park commission to construct a bridge across the Mystic River. near the present Middlesex Avenue bridge, for the joint use of highways and boulevards, the cost to be paid by cities and towns in Middlesex County specially benefited, and by the metropolitan park district in such proportions as shall hereafter be determined by a special commission. Provision is made in the act for the location of street railways over the new bridge. An agreement was entered into by the city and the trustees of Tufts College for the establishment of a playground for a period of ten years on land belonging to the college on Broadway.

By an agreement made with the Boston & Maine Railroad, certain valuable rights of drainage east of Middlesex Avenue were secured to the city, concerning which litigation had been pending for several years. Rights of drainage were given the city by the Boston & Maine Railroad and the Boston & Lowell Railroad Corporation within their location extending from Wil-

low Avenue to Holland Street.

After a controversy of many years' standing, a method of granting locations for poles in the streets was agreed upon by the city and the telephone company, whereby the interests of the public in relation to such franchises, so-called, are protected to a greater degree than by the general law.

There has been less than the usual expense on account of

claims arising out of highway accidents.

Very respectfully,
FRANK W. KAAN,
City Solicitor.

REPORT OF THE CITY CLERK.

Office of the City Clerk, January 23, 1902.

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

Gentlemen,—The following is respectfully submitted as the thirtieth annual report of the City Clerk of the city of Somerville, and is for the year ending December 31, 1901:—

The receipts and payments were as follows:-

Receipts.

Balance from year 1900, being for dog li-			
censes issued in December, 1900:—	φ10	00	
6 males at \$2.00	\$12 10		
2 lemaies at \$9.00			
	\$22	00	
Less city clerk's fees paid to the city	4		
treasurer in December, 1900, 8 at \$.20	1	60	
7			\$20 40
For dog licenses issued in 1901:—	40 501	0.0	
1,292 males at \$2.00	\$2,584		
210 females at \$5.00	1,050		
17 spayed at \$2.00	34 25		
i breeder's ficense at \$25.00	25	00	2 602 00
Recording mortgages, assignments, etc.,			3,693 00
680 papers	\$396	50	
680 papers	φουσ	2.0	
cluding 1 duplicate, 672 at \$.50 .	336	00	
Furnishing copies of records	35		
For junk collector's badge		50	
Licenses:—			
To collect junk, 24 at \$10.00	240		
For junk shops, 3 at \$25.00 .	75	00	
For billiard and pool tables and bowling			
alleys, 14 licenses, for 40 tables and 6 alleys, at \$2.00	02	0.0	
To private detectives, 2 at \$10.00	92		
To auctioneers, 23 at \$2.00	20 46		
To sell fireworks, 57 at \$1.00.	57		
For amusements, 37 at \$1.00 .	37		
To street musicians, 24 persons at \$.50.	12		
10 slaughter cattle, 3 at \$1.00	3		
for recording and issuing liquor li-			
censes, 31 at \$1.00	31	00	
			1,403 75
Total receipts		. –	\$5,117 15
Amount m. 1 f		_	70,111 10
Amount carried forward		•	\$5,117 15

Amount brought forward	\$5,117 15
Payments.	
To Joseph O. Hayden, county treasurer, June 1 and December 1, receipts for dog licenses from December 1, 1900, to November 30, 1901, both inclu-	
sive:— 1,296 males at \$2.00 \$2,592 00 211 females at \$5.00	
Less city clerk's fees, 1,525 at \$.20 . \$3,706 00 305 00	\$3,401 00
To the city treasurer, monthly:— City clerk's fees for issuing and recording dog licenses, 1,520 at \$.20 \$304 00 All the receipts above specified, except for dog licenses	
	1,707 75
Total payments	\$5,108 75
2 males at \$2.00 \$4 00 1 female at \$5.00	
Less city clerk's fees paid to city treas- urer, 3 at \$.20	8 40
Licenses and Permits.	
In addition to the licenses mentioned in the forement, licenses and permits, granted by the board of for which no fee is charged, have been issued as follows:	of aldermen,
Innholders	3
Common victuallers	31
Drain layers	14
Newsboys' licenses revoked	14
To cry calling in streets:— Junk collectors	24
Umbrella mender	1
To cry goods in streets Number in addition granted, but not called for To ring bell in streets:—	21
Ice cream venders	5
Scissors sharpeners	6
For parade of society to and from church service To set up and use engines and boilers:—	$\begin{array}{cccc} \cdot & \cdot & 1 \\ \cdot & \cdot & 2 \end{array}$
gas engine	1

gasoline engin steam engine steam boilers (To keep more th	(3 on sa	 .me pr	emises			•					1 1 1
										1	
" 6 "										1	
" 75 "			•							1	
" 30 "							•			1	
" 16 "										1	
									_	—	5
To erect stable	18 inche	s fron	n divis	sion 1	ine						1
To blast rock or	stone					•					5
To maintain pro	jections	upon	or ov	er si	dewal	lks:—					
hay window .								•		•	1
signs							•		. '		78
druggists' mo:	rtar sig	ins .	•	•		•	•	•		•	14
barber poles			•	•	•	•	•	•	•	•	8
transparencies											2
lanterns .			•	•		•	•	•	•	•	2
awnings .	•	. ;		;	•	•	•	•	•	•	17
hood of old st	reet car	used	tor lu	ınch	room				•		1
flag pole . gate swinging				•	•	•	•	•	•		1
gate swinging	over s	sidewa	lk .	•	•	•	•	•	•	•	3
To set and main	ntain hi	tching	g posts	5 .	•	•	•	•	•	•	3
To lay oil-suppl	y pipe	under	sidew	alk		1.	• • • •	1 .		. 1	1
For use of part	of Cer	ntral .	HIII P	ark	by L	adies	Vo	lunte	eer A		T
Society, J.	11y 4	1.11				•	•	•	•	•	L
To encumber si	dewalk	wnne	reset	ting	ience		•	•	•	•	1

Permission has also been granted and permits have been issued for the erection of sundry poles and electric wires and fixtures and for the laying of gas mains in sundry streets; also for the laying of certain cross connections of street railway tracks; the requisite acceptances and agreements having been filed by the companies to whom the rights were granted, before the permits were issued.

Births.

Number of bi											1,551
More than p	revious	year .		•					•		56
Males .				•					8	308	
									r	743	
											1,551
Born of Ame	erican pa	rents							ļ	506	_,
Born of fore	ign pare	nts					•		(397	
Eorn of Ame	rican fat	her ar	id for	eign n	othe	r.			:	181	
Born of fore	ign fath	er and	l Ame	rican	moth	er]	157	
Born of An							ıkno	wn		-	
	lity									9	
Born of fo	reign n	other	and	fathe	er o	f ur	ıkno	wn			
nationa	lity					•	•	•		1	
											1,551
Number of o	cases of	twins		•							12
Number of c	ases of	triplet	s .			•					1

These figures are exclusive of still-births, of which, as hereinafter stated under Deaths, there were sixty-two.

Of the births registered, 1,359 were reported by physicians and midwives. Of this number, 1,046 were verified by the canvassers, who also brought in 573 in addition, many of which were reported by physicians after the work of the canvassers had begun. Sixty-three births in other cities and towns were included in the reports of the canvassers.

The law does not require it, but it is the practice to have the canvassers inquire for all births which have occurred during the preceding calendar year, whether in Somerville or elsewhere. In this way records are obtained of more or less births which, owing to failure on the part of parents and physicians to make the requisite returns, are not recorded in the

places where the births occurred.

The records of births, for various reasons, are never complete, although every effort is made by this department to secure the necessary returns. One cause is the carelessness or indifference of parents. The canvassers, on their annual visits, inquire very distinctly if a child has been born in the family during the preceding year, but many times the answer is in the negative, when the contrary is the fact. The canvassers discover some of these errors, either by further questioning, or from the presence of children evidently less than a year old, but no doubt in some of such instances the record is not obtained. There are other cases where people will not respond to the doorbell, even when the canvasser calls several times. In after years, when a certificate of a birth record is very necessary, some of these parents may think it strange that the births of their children are not recorded.

Parents should not wait for the call of the canvasser, but should, immediately after a birth, report it to the City Clerk, or be sure that this is done by the attending physician. Blanks may

be procured of the City Clerk.

The law requires physicians and midwives to report to the City Clerk every birth which they attend, on or before the fifth day of the month next following. It also requires parents, within forty days after the birth of a child, and every householder, within forty days after a birth in his house, to cause notice thereof to be given to the City Clerk. A penalty is provided for neglecting to give such notice.

Marriages.

Number of intention		es issu	ed in	1901			67	1
More than previous							3	2
Marriages registered		•					70	1
More than previous	year .				•		1	4
Both parties America						349		
Both parties foreign		•				174		
American groom and	l foreign	bride				98		
Foreign groom and A	American	bride	•			80		
						 	701 couple	S

First marriage of . Second marriage of Third marriage of	· · · · · · · · · · · · · · · · · · ·	•	•	•	•		1,284 112 6	701 cc	uples	
Deaths.										
(Exclusive of stillbirths.)										
Number of deaths in									831	
Less than previous y	ear .		•	•		•	.•		136	
Males		•		•	•	•	•	409		
Females		•	•	•	•=	•	•	422	831	
77.1-1 10 months of 2	αa			c				242	001	
Under 10 years of a 10 and under 20 year	ge . s of age	•		•		•		33		
20 and under 30 year	rs of age							55		
30 and under 40 year	s of age				•			55		
40 and under 50 year	rs of age			•	•		•	67		
50 and under 60 year	s of age		•		•	•	•	68		
60 and under 70 year	s of age	•	•	•	•	•	•	129		
70 and under 80 year			•	•	•	•	•	$\begin{array}{c} 115 \\ 54 \end{array}$		
80 and under 90 year	s of age	•	•	•	•	•	•	$\frac{54}{13}$		
90 years of age and	over .	•	•	•	•	•	٠	19	831	
Age of oldest person	deceased		•			97	vrs. 3	mos. 23		
Born in Somerville	ucceased		•	•	٠.			225	20,50	
Born in other places	in the U	Jnited	Sta	ates		•	•	335		
Of foreign birth .						•		268		
Birthplace unknown							•	3		
*							-		831	
Number of deaths in			•	•	•	•	•	86		
((((Februar	У	•	٠	•	•	•	82		
() ((March	•	•	•	•	•	•	$\begin{array}{c} 81 \\ 76 \end{array}$		
"	April	•	•	•	•	•	•	69		
cc	May Tune	•	•	•	•	•	•	40		
66	July	•	•	•	•	•	•	64		
	August	•		•	•	•		55		
"	Septemb	per	•				•	61		
66	October							68		
66	Novemb							77		
"	Decemb							7 2		
The number	of stillb	irth o	*00	ord	od .	duri	nor +l		831	

The number of stillbirths recorded during the year was sixty-two.

The causes of death may be found in the report of the Board of Health.

Assessed Polls and Registered Voters.

MEN'S LISTS.

		,			REC	SISTERE	D Vot	ERS.		
Ward.	Precinct.	As- sessed Polls, May 1, 1901.	Nov. 26, 1900.	Revised Lists of Aug. 1, 1901.	Added in Aug., Sept. and Oct. 1901.	Oct. 21, 1901.	Added in Nov., 1901.	Nov. 25, 1901.	Voted Nov. 5, 1901.	Voted Dec. 10, 1901.
Ward 1	Precinct 1	677 517 8*9 733	356 302 452 334	318 279 400 287	17 12 16 8	335 291 416 295	5 5 3 14	340 296 419 309	202 182 214 148	187 176 216 210
		2,786	1,444	1,284	53	1,337	27	1,364	746	789
Ward 2	Precinct 1	1,023 1,204 801	439 557 393	396 492 338	38 28 21	434 520 359	13 18 21	447 538 380	170 295 198	360 352 255
		3,028	1,389	1,226	87	1,313	52	1,365	663	967
Ward 3	Precinct 1	894 1,157	659 756	583 680	30 19	613 699	28 29	641 728	372 404	377 466
		2,051	1,415	1,263	49	1,312	57	1,369	776	843
Ward 4	Precinct 1	1,192 826	667 516	597 462	38 32	635 494	4 -1	639 493	402 328	306 225
		2,018	1,183	1,059	70	1,129	3	1,132	730	531
Ward 5	Precinct 1	1,062 1,342	696 767	648 688	27 46	675 734	1 20	676 75 4	470 453	378 379
	•	2,404	1,463	1,336	73	1,409	21	1,430	923	757
Ward 6	Precinct 1	1,130 1,552	674 700	630 682	34 102	664 784	36 33	700 817	321 444	348 368
		2,682	1,374	1,312	136	1,448	69	1,517	765	716
Ward 7	Precinct 1	972 1,355	593 759	540 678	37 50	577 728	10 7	587 735	319 383	307 338
		2,327	1,352	1,218	87	1,305	17	1,322	702	645
City		17,296	9,620	8,698	555	9,253	246	9,499	5,305	5,248

WOMEN'S VOTING LISTS.

Ward.	Precinct.	Nov. 26, 1900.	Revised Lists of Aug. 1, 1901.	Added in Aug., Sept., and Oct., 1901.	October 21, 1901.	Added in Nov. 1901.	Nov. 25, 1901.	Voted December 10, 1901.
Ward 1	Precinct 1	23 7 23	19 6 19	• •	19 6 19		19 6 19	4 2
		53	44	0	44	0	44	6
Ward 2	Precinct 1	5 8 3	5 7 2	• •	5 7 2	••	5 7 2	
		16	14	0	14	0	14	0
Ward 3	Precinct 1 .	39 72	35 67	••	35 67	 	36 67	2 12
		111	102	0	102	1	103	14
Ward 4	Precinct 1 .	24 25	24 22	1	25 22	••	25 22	2
		49	46	1	47	0	47	3
Ward 5	Precinct 1 .	48 34	46 28	1	47 28	• •	47 28	2
		82	74	1	75	0	75	2
Ward 6	Precinct 1 . 2 .	59 4 0	52 32	••	52 32	1 2	53 34	6 5
		99	84		84	3	87	11
Ward 7	Precinct 1 .	38 51	36 46	••	36 46		37 46	5 10
		89	82	0	82	1	83	15
Ciţy		499	446	2	448	5	453	51

Elections.

The following is a statement of the votes cast, in the several wards of the city, for the candidates for the various offices, at the state election held November 5, 1901:—

				7	WARDS	,			AL.
Candidate.	Party.	1	2	3	4	5	6	7	TOTAL.
GOVERNOR.									
Michael T. Berry, W. Murray Crane, John B. Lewis, Jr., Josiah Quincy, George H. Wrenn, Blank,	Socialist Labor, Republican, Prohibition, Democratic, Democratic Social,	11 522 5 175 8 25	18 222 3 384 10 26	5 641 12 100 2 16	7 599 18 85 10 11	12 691 10 172 6 32	9 578 10 137 10 21	15 587 13 67 11 9	77 3,840 71 1,120 57 140
LIEUTENANT-GOV	ERNOR.								
John L Bates, John W. Coughlin, Alfred E. Jones, William H. Partridge, Charles W. White, Blank,	Republican, Democratic, Socialist Labor, Prohibition, Democratic Social,	529 159 10 4 16 28	213 377 19 3 13 38	652 85 4 10 4 21	614 73 8 11 9 15	697 153 7 9 13 44	590 126 10 10 8 21	597 59 10 11 12 13	3,892 1,032 68 58 75 180
SECRETARY.									
Frederick W. Clark, Alonzo H. Dennett, Jeremiah O'Fihelly, William M. Olin, Willmore B. Stone, Blank,	Prohibition, Democratic Social, Socialist Labor, Republican, Democratic,	15 22 16 514 149 30	8 17 25 209 345 59	19 8 6 646 72 25	16 11 50 572 54 27	16 18 13 692 131 53	12 10 11 585 108 39	18 14 12 588 46 24	104 100 133 3,806 905 257
TREASURER.									
George E. Batchelder, Wendell P. Bosworth, Edward S. Bradford, Joseph L. Chalifoux, Frederick A. Nagler, Blank,	Prohibition, Democratic Social, Republican, Democratic, Socialist Labor,	10 21 517 152 10 36	8 17 199 360 16 63	19 7 596 108 12 34	15 15 £89 65 9 37	12 15 684 130 16 66	13 17 568 107 11 49	17 16 587 45 10 27	94 108 3,740 967 84 312
AUDITOR.									
James F. Dean, Frank Keefe, John H. Smith, Frank Thompson, Henry E. Turner, Blank,	Democratic, Socialist Labor, Prohibition, Democratic Social, Republican,	148 10 7 29 501 51	353 21 11 14 196 68	82 5 15 6 633 35	70 10 20 11 577 42	138 18 18 14 656 79	116 12 13 7 565 52	54 9 24 14 562 39	961 85 108 95 3,690 366
ATTORNEY-GENER	RAL.								
Allen Coffin, John T. Hargraves, Herbert Parker, Arthur A. Putnam, Clarence E. Spelman, Blank,	Prohibition, Socialist Labor, Republican, Democratic, Democratic Social,	12 9 504 157 16 48	8 18 193 364 21 59	13 5 637 85 5 31	13 13 579 73 12 40	16 14 671 148 13 61	12 13 560 123 9 48	19 16 571 53 12 31	93 88 3,715 1,003 88 318
COUNCILLOR.									
John T. Galvin, George A. Sanderson, Henry D. Yerxa, W. H. Ennis,	Democratic Social, Democratic, Republican,	27 151 509	51 338 193 1	17 85 633	23 81 575	31 166 643	26 140 541	18 63 569	193 1,024 3,663 1
Blank,		59	80	41	51	83	58	52	424

				V	VARDS.				AL.
Candidate.	Party.	1	2	3	4	5	6	7	Total.
SENATOR.									
Leonard B. Chandler, Reuben L. Richardson, Scattering votes, Blank,	Republican, Democratic,	523 161 62	216 368 1 78	631 96 49	616 72 42	704 154 1 64	581 124 2 58	607 54 41	3,878 1,029 4 394
REPRESENTATIVE,	SIXTH DIST.								
Edward J. Mullaney, Charles F. Wildes, Blank,	Democratic, Republican,	160 529 57	• • • •			• • • •		••••	160 529 57
REPRESENTATIVE	S, 7TH DIST. (3)								
John F. Foster, Joseph A. Haley, Robert Luce, Isaac M. Story, Scattering votes, Blank,	Republican, Democratic, Republican, Republican,		236 406 220 199 1 927	575 117 597 572 			538 179 540 523 2 513	548 102 533 514 	1,897 804 1,890 1,808 3 2,316
REPRESENTATIVE	, EIGHTH DIST.								
John Andrews, John R. Conant, Charles L. Underhill, Blank,	Republican, Democratic, Rep. Ind.,		• • • •	• • • •	314 85 312 19	335 106 433 49			649 191 745 68
COUNTY COMMISS	IONER.								
Francis Bigelow, Robert Lusk, William F. Merrill, Frederick Keppe, Blank,	Dem., Repub., Democratic Social, Prohibition,	515 70 31 130	* 348 140 20 155	612 33 36 95	558 28 43 	679	566 49 37 1 112	536 34 37 95	3,814 410 241 1 839
ASSOCIATE COMM	ISSIONERS. (2)								
Christian Beck, Louis Eisner, David T. Strange, Edward E. Thompson, Samuel H. Warren, Charles Haevner, Blank,	Democratic Social, Democratic Social, Republican, Republican, Prohibition,	97 67 442 423 28 	225 193 198 184 15	55 46 571 580 32 	44 43 509 482 31 	91 83 583 564 32 	84 67 514 502 39 1 323	37 31 528 512 38 	633 530 3,345 3,247 215 1 2,639
DISTRICT ATTORN	IEY.								
Thomas F. Rooney, George A. Sanderson, William Howard, Blank,	Democratic Social, Dem., Repub.,	78 542 1 125	198 318 147	48 649 79	42 592 96	79 704 140	58 606 	30 569 	533 3,980 1 791
CLERK OF COURT	S.								
Theodore C. Hurd, George F. Ritchie, Henry A. Smith, Blank,	Dem., Repub., Democratic Social, Prohibition,	530 75 23 118	330 148 15 170	622 42 33 79	574 30 28 98	704 64 24 131	600 52 20 93	558 28 29 87	3,918 439 172 776
SHERIFF.									
John R. Fairbairn, Francis P. Finegan, Roscoe G. Watson, Blank,	Dem., Repub., Democratic Social, Prohibition,	549 66 27 104	357 168 15 123	637 32 39 68	582 33 31 84	702 73 25 123	607 53 26 79	563 26 34 79	3,9 7 451 197 660

The following is a statement of the votes cast in the several wards of the city for the candidates for the various offices and on the questions submitted at the city election held December 10, 1901:—

C	D			7	Wards				AL.
CANDIDATE.	PARTY.	1	2	3	4	5	6	7	Total.
MAYOR.									
Edward Glines, James W. Kenney, Scattering, Blank,	Republican, Democratic,	546 227 	310 626 2 29	683 140 20	456 59 1 15	588 144 25	519 174 1 22	554 63 28	3,656 1,433 4 155
ALDERMAN-AT-LA	RGE, WARD 1.								
Cornelius Bowen, James Watters, Blank,	Democratic, Republican,	244 513 32	563 211 193	119 603 121	49 436 46	141 499 117	138 445 133	43 480 122	1,297 3,187 764
ALDERMAN-AT-LA	RGE, WARD 2.								
Horace A. Belcher, Henry C. Rowland, Blank,	Republican, Democratic,	509 175 105	307 501 159	637 80 126	429 50 52	522 114 121	463 106 147	473 38 134	3,340 1,064 844
ALDERMAN-AT-LA	RGE, WARD 3.								
Jackson Caldwell, Scattering, Blank,	Republican,	587	515 1 451	673 5 165	455 76	546 1 210	542 174	502 143	3,820 7 1,421
ALDERMAN-AT LA	RGE, WARD 4.								
Howard Lowell, Scattering, Blank,	Republican,	539 1 249	309 658	649	465	546 1 210	483	477 168	3,468 2 1,778
ALDERMAN.AT-LA	RGE, WARD 5.								
John C. Howard, William H. Woodberry Scattering, Blank,	Democratic, Republican,	166 495	450 216	107 599	52 425 54	127 530 10 90	110 433 	48 465 132	1,060 3,163 10 1,015
ALDERMAN-AT-LA	RGE, WARD 6.								
James F. Reynolds, Scattering, Blank,	Republican,	541 248	435 1 531	642	437 1 93	554 1 202	603	481	3,69 3 3 1,552
ALDERMAN-AT-LA	RGE, WARD 7.								
Warren C. Daggett, Scattering, Blank,	Republican,	523 266	308 659	632 1 210	430	522 1 234	488	565	3 468 2 1,778
WARD ALDERMEN	V (2) WARD 1.								
Joseph E. Donnelly, Charles S. Gilman, John J. Kelley, Thomas T. M. Sargent, Blank,	Democratic, Republican, Democratic, Republican,	216 498 210 492 162	••••	• • • •					216 498 210 492 162
WARD ALDERMEN	V (2) WARD 2.								
John H. Brown, James F. Flynn, William M. Kelley, Dennis C. Mahoney, Quincy G. Hall, Blank,	Republican, Republican, Democratic, Democratic,	••••	206 283 610 583 1 251		• • • •				206 283 610 583 1 251
WARD ALDERMEN	V (2) WARD 3.								
William F. Barker, Charles H. Wood, Blank,	Republican, Republican,	••••	• • • •	627 622 437	••••	• • • •	• • • •	• • • •	627 622 437
WARD ALDERMEN	V (2) WARD 4.								
Herbert P. Nickerson, Edwin N. Simonds, Blank,	Republican,	• • • •	••••		422 414 226	••••	••••	••••	422 414 226

Comment				WARDS	S.			AL.
CANDIDATE. PARTY.	1	2	3	4	5	6	7	ToraL.
WARD ALDERMEN (2) WARD 5.								
Herman A. Fosdick, George P. McCarroll, Frank A. Noyes, George L. Robinson, George W. Hatch, Scattering, Blank, Republican, Democratic, Republican, Democratic, Republican, Democratic,					275 110 482 76 351 2 218			275 110 482 76 351 2 218
WARD ALDERMEN (2) WARD 6.								
Summer T. Kaulback, Republican, Ralph A. Landers, Republican, Scattering, Blank,	••••	••••	••••	••••	••••	530 537 5 260	••••	530 537 5 360
WARD ALDERMEN (2) WARD 7.								
J. Willard Jones, Republican, Oramel P. Walker, Republican, Blank,	• • • •					••••	539 519 232	539 519 232
SCHOOL COMMITTEE (2 yrs.) WARD 1.								
S. Newton Cutler, Republican, Charles J. Gormley, Democratic, Blank,	513 220 62			• • • •				513 220 62
SCHOOL COMMITTEE (2yrs.) WARD 2.								
John H. O'Neil, Democratic, Scattering, Blank,		645 4 318	• • • •	••••			••••	645 4 318
SCHOOL COMMITTEE (2 yrs.) WARD 3.								
George E. Whitaker, Republican, Henry W. Pitman, Blank,	• • • •	••••	683 1 173	••••	• • • •	• • • •	••••	683 1 173
SCHOOL COMMITTEE (2 yrs.) WARD 4.								
George W. Whiting, Republican, Blank,		••••		454 80		• • • •	• • • •	454 80
SCHOOL COMMITTEE (2 yrs.) WARD 5.								
Quincy E. Dickerman, Dem., Repub., Scattering, Blank,		• • • •	••••		570 2 187	• • • •	••••	570 2 187
SCHOOL COMMITTEE (2 yrs.) WARD 6.								
Frederick A. P. Fiske, Republican, Scattering, Blank,	• • • •	• • • •				534 2 191	• • • •	534 2 191
SCHOOL COMMITTEE (2 yrs.) WARD 7.		- 1						
George A. Miles, Republican, Blank,	••••						547 113	547 113
Shall liquor licenses be granted?								
Yes, No, Blank,	253 477 59	578 267 122	201 599 43	73 440 18	183 528 46	206 451 59	85 533 27	1,579 3,295 374
Shall act be accepted, making city clerk's term of office three years?								
Yes, No, Blank,	287 226 276	345 223 399	421 163 259	284 105 142	341 150 266	334 148 234	313 130 202	2,325 1,145 1,778

The whole number voting at the state and city elections will be found in the foregoing tables of the men's and women's voting lists:—

Liquor License Question.

The following is a statement of the vote of the city on the question of granting licenses for the sale of intoxicating liquors, the number of registered voters and the estimated population for each of the twenty-one years in which this question has been submitted to the people:—

YEAR.	YES.	No.	Blank.	REGISTERED VOTERS.	ESTIMATED POPULATION
1881	979	1,222		3,678	26,00
1882	627	1,159		3,778	26,50
1883	767	1,343		4.407	27,00
1884	806	1,709		4,470	28,00
1885	428	1,604		3,969	*29,99
1886	214	1,321		4,089	32,00
1887	555	2,427		4,574	34,00
1888	744	2,456		5,399	36,00
1889	635	1,706	335	5,286	39,00
1890	999	2 282	409	5,556	*40,11
1891	1,054	2,598	279	5,938	43,00
1892	1,427	3,288	347	7,587	46,00
1893	1,547	2,654	218	7,943	48,00
1894	1,098	2,869	246	8,007	50,00
1895	1,854	4,708	459	8,410	*52.20
1896	1,466	3,680	332	9,379	54,00
1897	1,626	3,815	486	8,925	56,00
1898	1,595	3,501	486	8,657	57,50
1899	1,892	3,340	374	8,838	60,00
1900	1,660	3,427	321	9,620	*61,64
1901	1,579	3,295	374	9,499	63,50

^{*} Census.

It should be said for the benefit of any not familiar with the law that the voting upon this question has no relation to the granting of licenses of the sixth or seventh classes, which are defined as follows:—

Sixth Class.—Licenses to retail druggists and apothecaries to sell liquors of any kind for medicinal, mechanical or chemical purposes only, and to such persons only as may certify in writing for what use they want them.

Seventh Class.—Licenses to dealers in paints or in chemicals to sell alcohol for mechanical, manufacturing or chemical purposes only.

Term of Office of City Clerk.

At the city election held December 10, the voters accepted Chapter 332 of the Acts of the Legislature for the year 1901, the portion of which affecting this city is as follows:—

Acts of 1901. Chapter 332.

An Act Relative to the Terms of Office of City Clerks.

Be it enacted, etc., as follows:-

Section 2. In the year nineteen hundred and two, and every third year thereafter, in every city not required to elect or appoint a city clerk in December, there shall be elected or appointed, as required by the charters of their respective cities, a city clerk, to hold his office for three

SECT. 3. Every such clerk shall hold his office until the election or appointment and qualification of his successor, unless sooner removed by due process of law.

SECT. 4. When a vacancy shall occur in the office of city clerk, the person elected or appointed to fill the vacancy shall hold the office until the end of the unexpired term of the person last holding the office.

Sect. 5. All acts and parts of acts inconsistent herewith are hereby

SECT. 6. This act shall be submitted to the voters of every city at the next annual municipal election, and upon its acceptance by a majority of the voters voting thereon in any city, shall take effect in that city.

Approved May 1, 1901.

The vote on the question is hereinbefore given in the statement regarding the city election.

Publications.

Publications have been made during the year, under the direction of the city clerk, as follows:—

Annual Reports for 1900.

Municipal Register (pocket edition) for 1901.

Revised Ordinances of 1900.

This book was prepared from the type used in the official promulgation of the ordinances in the newspaper, and was designed for use pending the publication of the Municipal Manual of 1901.

McKinley Memorial Service.

This is a complete report of the service, held under the auspices of the city government, in the First Methodist Episcopal Church, Bow street, Sunday, October 13, 1901, in memory of our lamented president, William McKinley. It contains, also, a record of all the proceedings taken by the Mayor and the Board of Aldermen in reference to the assassination and death of the president.

In addition to these publications, the Municipal Manual of 1901 has been printed, and a voluminous index to the same has been prepared, and the work will very soon come from the press.

It contains the city charter, a list of Acts of the Legislature relating to Somerville and of acts and parts of acts that have been accepted by the city, the city ordinances, the rules of the Board of Aldermen, the regulations of the Board of Health, and lists of the boards of selectmen, of the senators and representatives who have represented the town and city in the Legislature, and of the city governments.

A separate pamphlet containing the lists of boards of selectmen, senators, representatives and city governments has also been printed for the use of those who may want them alone.

Card Index to Records of Births, Marriages and Deaths.

During the past few years a card index to the records of births, marriages and deaths has been prepared. It covers, in one index, all of these records from the incorporation of the town in 1842, and greatly facilitates their examination.

It is proposed to extend this index by including references to the records of marriage intentions in all cases where

there is no record of the marriage.

Ordinances.

Copies of ordinances passed since the adoption of the Revised Ordinances of 1900 are presented herewith.

GEORGE I. VINCENT,

City Clerk.

ORDINANCES.

No. 37.

An Ordinance Relating to the City Physician.

Be it ordained by the Board of Aldermen of the City of Somerville, as follows:—

Section 1. The City Physician shall, under the direction of the Committee on State Aid and Soldiers' Relief of the Board of Aldermen, attend upon such sick soldiers and sailors and wives, widows and relatives of soldiers and sailors as are required by law to be supported, as such, wholly or in part by the city. The expense for medicine incident to such attendance shall be charged to Soldiers' Relief account.

Section 2. This ordinance shall take effect upon its passage.

Approved April 4, 1901.

No. 38.

An Ordinance to Amend Section Four of Chapter Twelve of the Revised Ordinances of 1900, Entitled, "Appointment, Compensation and Removal of Officers."

Be it ordained by the Board of Aldermen of the City of Somerville, as follows:—

Section 1. Section four of chapter twelve of the Revised Ordinances of 1900, entitled "Appointment, Compensation and Removal of Officers," is hereby amended so as to read as follows: Section 4. All fees for services as witnesses or otherwise, in criminal cases and in cases in which the city is a party, which may be allowed to or received by any member of the police department or other officer of the city who receives a salary for his official services, shall be paid over to the city; provided, however, that police officers on duty at night and police officers doing extra duty shall be allowed to retain such witness fees as may be paid them for attendance in criminal cases at the superior court.

Approved May 2, 1901.

No. 39.

An Ordinance to Amend Chapter Twenty=one of the Revised Ordi= nances of 1900, Entitled, "Regulation of Plumbing."

Be it ordained by the Board of Aldermen of the City of Somerville, as follows:—

Section 1. Section eleven of chapter twenty-one of the Revised Ordinances of 1900 is hereby amended by striking out the words "be plain and without tar, paint or other coating, and shall," so that the section shall read as follows: Section 11. All cast-iron pipes used in plumbing within any building shall have an average weight of not less than the following:—

pe	Pounds er foot.
2-inch pipe	$5\frac{1}{2}$
3-inch pipe	$ 9\frac{1}{2}$
4-inch pipe	13
5-inch pipe	
6-inch pipe	
8-inch pipe	
10-inch pipe	
12-inch pipe	

Section 2. This ordinance shall take effect upon its passage.

Approved June 20, 1901.

No. 40.

An Ordinance Relating to Ball-Playing in the Public Streets.

Be it ordained by the Board of Aldermen of the City of Somerville, as follows:—

Section 1. No person shall play baseball or football in any of the public streets, unless authorized so to do by the Board of Aldermen; and no person shall throw a ball, or a stone, to the annoyance or intimidation of any passenger, or of any abutter, on the public streets of the city.

Section 2. This ordinance shall take effect upon its passage.

Approved October 25, 1901.

No. 41.

An Ordinance to Amend Section Four of Chapter Seven of the Revised Ordinances of 1900, Entitled, "City Clerk."

Be it ordained by the Board of Aldermen of the City of Somerville, as follows:—

Section 1. Section four of chapter seven of the Revised Ordinances of 1900 is hereby amended by striking out the word "annually" in the first line thereof, so that the said section shall read as follows: Section 4. He shall, before entering upon the duties of his office, give a bond or bonds, in such form as the city solicitor shall approve, with sufficient sureties to the satisfaction of the Board of Aldermen, and in such sum as said board may prescribe, for the faithful performance of his duties, and for the delivery to his successor in office of all books, papers, records and property belonging to said office.

Section 2. This ordinance shall take effect upon its passage.

Approved January 24, 1902.

JURY LIST OF THE CITY OF SOMERVILLE.

Prepared by the Registrars of Voters, under Chapter 176 of the Revised Laws, February 14, 1902.

Posted February 26, 1902, and accepted by the Board of Aldermen

March 13, 1902.

Abbott, Alonzo F., 8 Concord avenue, Clerk. 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, Hiram, 230 Washington street, Musician. Allison, James W., 95 Mt. Vernon street, Carpenter. Andrews, James M., 172 Broadway, Builder. Andrews, John. 34 Albion street, Agent. Angier, Lucius B., 18 Temple street, Laborer. 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. Ayer, Fred C., 160 Highland avenue, Lumber dealer. Aver. John F. 17 Walter street, Lumber dealer. Ayer, John F., 17 Walter street, Lumber dealer.

Babb, Charles D., 193 School street, Real estate agent. Babb, Nathaniel F., 193 School street, Salesman. Babbitt, Artemas B., 110 Perkins street, Machinist. 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. Baldwin, Henry W., 82 Mt. Vernon street, Clerk.
Bancroft, Edward A., 31 School street, Barrel dealer.
Barker, Edgar 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. Beal, Albert H., 96 Wallace street, Barber. Bean, Gerard D., 136 Lowell street, Bookkeeper. Beckley, Henry F., 221 Morrison avenue, Salesman. Beckley, Warren H., 208 Morrison 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. 25 Butnam street, No occupation Bennett, Edwin C., 35 Putnam street, No occupation. Bent, Charles E., rear 9 Marion street, Carpenter.

Berry, Andrew C., 6 Centre street, Engraver. Berry, Andrew C., o Centre street, Engraver.
Berry, Arthur W., 53 Hudson street, Builder.
Berton, John F., 134 College avenue, Painter.
Bertwell, Henry P., 20 Cameron avenue, Clerk.
Bezanson, William H., 47 Laurel street, Marketman. Binney, Henry M., 8 Parker place, Painter. Binney, Martin, 9 Linden place, Agent. Bishop, William F., 20 Wheeler street, Clerk.
Black, Peter F., 14 Atherton street, Agent.
Blake, Charles M., 13 Preston road, Newsdealer.
Blanchard, Charles V., 99 Orchard street, Bookkeeper.
Booker, James A., 193 Pearl street, Salesman.
Bossey, Charles W., 22 Ashland 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.
Bowman, Henry F., 10 Winter-hill circle, Lithographer.
Boyden, William B., 34 Quincy street, Messenger.
Boyer, Charles W., 13 Highland avenue, Engineer.
Boyer, F. Howard, 13 Highland avenue, Engineer.
Bradley Daniel 19 Concord avenue, Barrel dealer Bradley, Daniel, 19 Concord avenue, Barrel dealer. Bradley, Daniel A., 67 Beacon street, Piano finisher. Bradley, Dennis E., 303 Washington street, Ornamenter. 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 mfgr.
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. 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., 42 Columbus ave., Livery stable kpr.
Bryant Thomas H., 6 Edmands street, Receiving clerk. Brown, Lyman H., 42 Columbus 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 Burke, Walter W., 337 Washington street, Hatter. Burns, Robert, 21 Lincoln street, Chemist. Burns, Samuel A., 61 Pearl street, Milk dealer. Burnows, George H., 25 North Union street, Machinist. Bursaw, William J., 41 Dartmouth street, Agent. Burton, Edward H., 123 Orchard street, Provisions. Butler, William, 106-A Albion street, Printer. Buttimer, Maurice, 351 Lowell street, Contractor. Byam, Augustus B., 7 Melvin street, Soap manufacturer. Callow, John R., 42 Concord avenue, Porter. Cameron, William G., 5 Lester terrace, Carpenter. Caples, Philip, 42 Craigie street, Butter dealer. Card, Frederick L., 243 Pearl street, Provision dealer.

C

Carpenter, Albert Q., 7 Sargent avenue, Tinsmith. Carpenter, Reuben, 10 Fountain avenue, Engraver. Carr, Eugene P., 18 Benton road, Salesman. Carter, Lorenzo D., 108 Belmont street, Clerk.
Cate, Nathan E., 28 Everett avenue, Treasurer.
Chapin, Hiram O., 44 Dover street, Commission merchant.
Chase, Charles D., 18 Ivaloo street, Engineer.
Chase, Washington I., 85 Vine street, Distiller.
Cheney, Herbert E., 119 College avenue, Produce dealer.
Chickering, William H., 15 Evergreen avenue, Clerk. Christopher, Emerson R., 136 Lowell street, Grocer. Clark, Cyrus D., 30 Everett avenue, Sexton. Clark, Herbert L., 124 Sycamore street, Builder.
Clark, Isaac H., 49 Brastow avenue, Mechanical engineer.
Clarke, Wilbur S., 40 Vinal avenue, Real estate agent.
Clough, George M., 9 Forster street, Agent.
Cloves, George M., 43 Madison street, Salesman. Coan, Francis E., 156 Pearl street, Stair builder. Coan, Thomas S., 18 Fremont street, Bookkeeper. Coffin, Edward B., 184 Lowell st., Real est. & insur. agt. Coffin, Winslow W., 186 Broadway, Real est. & ins. agt. Collieson, Clarence E., 19 Park avenue, Leather dealer. Collins, John D., 22 Vine street, Mason. Collins, John D., 22 vine street, Mason.
Collins, J. Lincoln, 11½ Sanborn avenue, Iron worker.
Collinan, Charles W., 151 Central street, Architect.
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., 301 Highland avenue, Reporter. Cook, Levi F., 239-A Highland avenue, Salesman. Copithorne, John, 81 School street, Carpenter. 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., 30 Vinal ave., Teamster & contr. Crosby, Clifford F., 348 Summer st., Ventilating engin'r. Crosby, Warren A., 32 Rush street, Fish dealer. 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 ins. agt.
Cushing. Edwin F., 9 Harvard place, Navy yard.
Cutler, Frank E., 70 Pearl street, Painter. Cutter, George, 379 Summer street, No occupation.

U

Dadmun, Henry H., 48 Oxford street, Salesman. 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. Davenport, Foster L., 301 Summer street, Shipper. David, James B., 78 Belmont street, No occupation. Davis, Albert I., 35 Fairmount avenue, Bookkeeper. Davis, Albert M., 16 Chauncey avenue, Teamster. Davis, 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 I., 50 Mt. Vernon street, Burlap dealer. Davis, Thomas I., 50 Mt. Vernon street, Burnap dealer.
Davlin, James F., 15 Kingman court, Plumber.
Dawes, Henry L., 8 Ashland street, Confectioner.
Dawson, Howard, 70 Albion street, Clerk.
Dean, Arthur H., 8 Oliver 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, 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., 69 Chandler street, Foreman.

Doane, Nathaniel P., 19 Grand View avenue, Towing.

Dodd, George H., 54 Marshall street, Mechanic.

Doe, Freeland A., 39 Temple street, Cabinetmaker.

Dole, William T., 55 Gilman street, Spice manufacturer.

Dow, Arthur F., 20 Avon street, Broker.

Dow, Walter A., 15 Ware street, Salesman. Downing, John F., 14 Park street, Carpenter. Downing, John L., 30 Burnside avenue, Shipper. Drake, James, 45 Berkeley street, Carpenter.
Dresser, George H., 193 School street, Superintendent.
Drinkwater, Frank M., 872 Broadway, Clerk.
Drouet, William C., 78 Highland avenue, Reporter.
Dudley, Clifford G., 10 Tower street, No occupation. Dudley, Clifton O., 86 Sycamore street, No occupation. 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, Timothy C., 318 Somerville avenue, Clerk.
Dyer, Henry H., 32 Elm street, Cigar dealer.
Dyer, Josiali T., 156 School street, Men's furnishings.

1

Eames, Byron, 143 Sycamore street, Ice dealer.
Eames, Henry H., 13 Chapel street, Machinist.
Eaton, John M., 58 Springfield street, No occupation.
Eccles, William, 48 Webster street, Upholsterer.
Edgett, Reuben, 85 College avenue, Carpenter.
Edmands, John B., rear 19 Albion st., Stoneware mfr.
Egerton, Charles S., 63 Boston street, Cigar dealer.
Egerton, Wales L., 61 Beach street, No occupation.

Ela, William E., 15 Wheatland street, Printer. Eldridge, Frank, 47 Beach street, Salesman. Elkins, John F., 142 Medford street, Contractor. Elliot, Charles J., 59 Oxford street, Engineer. Elliott, George E., 103 Jenny Lind avenue, Grocer. Ellis, William F., 36 Adams street, Engineer. 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 road, Teamster. Evans, Henry, 13 Linden 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 avenue, Clerk. Farnham, Rufus H., 33 Farragut avenue, Motorman. Farrell, Patrick S., 4 Putnam street, Polisher.
Farrell, Robert J., 21 Avon street, Tea merchant.
Farwell, Ruleffe H., 92 Central street, Produce dealer.
Fay, Francis H., 105 Linwood street, Marble cutter. Fellows, John H., 12 Elston street, Accountant. Fenelon, J. Robert, 13 Walnut 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, 15 Hall avenue, 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., 216 Highland avenue, Salesman. Fisher, John, 26 Hancock street, Printer. Fisk, Ellsworth, 44 Heath street, Clerk. Fisk, Mark, 44 Heath street, Traveling salesman. 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., 189 Tremont street. Hardware dealer.
Flynn, William H., 67 Dane st., Real estate and insur. agt. Flynn, William H., 67 Dane st., Real estate and insur. ag Foote, Edward H., 138 Sycamore st., Pickle mf'r. 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, 350 Somerville avenue. Glass worker. Francis, Weston O., 198½ Pearl street, Carpenter. Frazar, Amherst D., 35 Laurel street, Clerk. Frink, William A., 88 Holland street, Undertaker. 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. 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. Garrett, Edwin E. 80 Mt. Vernon street, Clerk. Garrity, Martin, Jr., 416 Norfolk street, Plumber. Gifford, Herbert C., 54 Preston road, Iron salesman. Gilbert, Fred W., 101 School street, Shoe dealer. Giles, Charles E., 24 Webster street, Real estate agent. Giles, Charles E., 24 Webster street, Real estate agent. Giles, Joseph J., 34 Putnam street, Real estate agent. Gill, Martin, 72 Bonair street, Teamster. Gillette, Hiram A., 72 College avenue, Manufacturer. Gillette, Louis F., 91 College avenue, Artist. Gilley, Rodney O., 11 Walter street, Steward. 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. Godey, Frederick C., 11-A Eliot street, Roofer. Godfrey, Alexander M., 52 Berkeley street, Carpenter. Goldthwaite, Jerome I., 82 Mt. Vernon street, Clerk. Gordon, Harris F., 7 Dell street, Foreman. Gordon, Huntlie, 78 Clarendon ave., Insurance agent. Gracey, Orice M., 23 Webster street, Upholsterer.
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. Gracey, Orice M., 23 Webster street, Upholsterer. 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 street, Provision dealer.
Guild, Oliver A., 36 Lake street, Provision dealer. Gurnham, Thomas, 36 Hancock street, Newsdealer.

H

Hadley, Freddell O., 30 Conwell avenue, Electrician. Hadley, Walter M., 24 Hathorn street, Coal dealer. Hager, Arvine, 19 Edmands street, Milk dealer. Hale, C. Warner, 144 Highland avenue, Tailor. Hall, George G., 89 Cross street, Printer. Hall, William Franklin, 103 Thurston street, Accountant. Hallett, Warren, 155 Walnut street, Carpenter.

Hamblin, Franklin J., 30 Walnut street, Treasurer. Hamblin, Franklin J., 30 Walnut street, Treasurer.
Hancock, Robert A., 163 Elm street, Hatter.
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 Hathaway, Henry C., 12 Pembroke street, Painter. Hayes, William T., 252 Medford street, Clerk. Haynes, William 1., 252 Medford street, Clerk.
Haynes, Walter S., 26 Austin street, Clerk.
Hayward, Harry B., 37 Windsor road, Electrician.
Hayward, John G., 5 Windom street, Clerk.
Hayward, Wales A., 21 Cherry street, No occupation.
Higgens, 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.
Hinckley, James G., 254 School street, Butter dealer. Hinckley, James G., 254 School street, Butter dealer. Hinckley, William V. T., 10 Monmouth st., Insur. agt. Hodson, Albert O., 28 Pinckney street, Driver. Hoit, Alonzo W., 275 Highland avenue, Produce dealer. Hoit, Edward P., 275 Highland ave., Produce dealer. Holden, George W., 97 Curtis street, Farmer. Holmes, Charles A., 265 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 Boson street, Charles W. Horton, Charles W., 25 Boston street, Engraver. Horton, Charles H., 101 School street, Clerk. Horton, Charles P., 22 Everett avenue, Inspector. Horton, David P., 36 Everett avenue, Trunk maker. Horton, William A., 34 Winslow avenue, Artist. Howard, Chester M., 228 Pearl street, Clerk. Howe, Frederick F., 40 Kidder avenue, Shipper. Hulsman, Chester R., 44 Greenville street, Collector. Hunte Collector 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., 7 Craigie terrace, Carpenter.

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.
Kellsey, 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 street, Conductor.
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.
Kiley, Patrick J., 36 Prospect street, Wheelwright.
King, Martin L., 107 Cross street, Grocer.
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, 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 Highland ave., Produce dlr.
Lawson, George W., 2 Lawson terrace, Carpenter.
Lawson, Munroe C., 41 Bow street, Carpenter.
Learned, James M., 156 School street, No occupation.
Leavitt, Edwin, 13 Pinckney street, Insurance agent.
Leavitt, Frank W., 468 Somerville avenue, Carriage mfr.
LeCount, Frederick R., 7 Dartmouth street, Salesman.
Leeds, Henry C., 35 Auburn avenue, Clerk.
Leighton, Wilson E., 69 Florence street, Conductor.
Leonard, Eugene C., 86 Avon street, Ladies' tailor.
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, Samuel T., 321 Broadway, No occupation.
Locke, Theodore H., 53 Central street, Clerk.
Locke, Warren E., 94 College avenue, Real estate agent.
Lombard, Henry F., 114 Pearl street, Clothing dealer.
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., 27 Flint street, Teamster. Lowell, Frank M., 42 Aldrich street, Grocer. Lowell, George E., 46 Gilman st., Livery stable keeper. Lund, John Q., 13 Cutter street, Printer. Lunt, Fred E., 24 Hall avenue, Clerk.

NE

Macdonald, John W., 23 Elm place, Clerk.
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.
Marr, George S., 37 Dover street, Carpenter.
Marsh G. Roscoe, 91 Perkins street, Undertaker Marsh, G. Roscoe, 91 Perkins street, Undertaker. Marshall, John A., 153-A Willow avenue, Salesman. Martin, Lewis R., 40 Grant street, Teamster.
Martin, Lewis R., 40 Grant street, Teamster.
Martin, Thomas F., 16 Buckingham street, Plumber.
Mason, Joseph B., 50 Boston street, Nurse.
Matthews, George F., 27 Conwell street, Carpenter.
Maynard, Everett A., 22 Forster street, Baker. Maynard, Fred L., 30 Ames street, Provision dealer. Maynard, Lambert M., 90 Highland ave., No occupation McAllister, William H., 23 Wallace street, Brush maker McAvoy, Henry, 117 Somerville avenue, Stable keeper. McCarty, John, 27 Shawmut street, Charcoal dealer. 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, 10 Oak street, Motorman.
McMaster, George R., 12 Park street, Woodworker.
Medina, John, 1167 Broadway, Merchant.
Mentzer, Charles A., 36 Cherry street, Clerk. Medina, John, 1167 Broadway, Merchant.

Mentzer, Charles A., 36 Cherry street, Clerk.

Merrifield, Otis E., Jr., 246 Summer street, Bookkeeper.

Merrill, David M., 256 Broadway, Spring water.

Merrill, Ezra T., 90 Curtis street, Contractor.

Merrill, Warren A., 14 Westminster street, Salesman.

Merritt, William, 103 Pearl street, Superintendent.

Middlemas, Henry H., 412 Highland avenue, Driver.

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, Frank E., 48 Berkeley street, Clerk.
Moran, Henry W., 189 Pearl street, Moulder.
Morrill, Fred L., 18 Arlington street, Cafe proprietor.
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.

Nason, Charles C., 21 Wigglesworth street, Carpenter. Nason, Fred W., 23 Jaques street, Electrician. 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 Notan, 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.
Nutting, Henry J., 57 Winslow avenue, Salesman.
Nye, Almon P., 157 Elm street, Confectioner.
Nye, Thomas V. B., 51 Cedar street, Salesman.

O'Connell, Michael, 35 Linwood street, Pedler. Odiorne, William E., 15 Greenville street, Clerk. O'Neil, Bernard, 373 Washington street, Pedler. Onthank, Charles H., 47 Munroe street, Provisions. Orrill, Arthur W., 169 Morrison avenue, Salesman. Owen, John W., 20 Melvin street, Surveyor. Owen, Joseph W., 36 Conwell avenue, Salesman.

Page, Daniel W., 21-R Webster avenue, No occupation. Page, George Amos, 21 Webster avenue, Plumber. Paine, Robert S., 110 College avenue. Bookkeeper. Palmer, Charles B., 40 Flint street, Salesman. Parker, George T., 12 Evergreen avenue, Carpenter. Parker, William H., 23 Hall avenue, Salesman. Parker, William S., 34 Crescent street, Upholsterer. Parsons, Charles F., 16 Park street, Clerk. Patch, Amos G., 35 Irving street, Merchant. Patterson, William S., 17 Everett street, Carriage maker. Peck, Henry A., 41 Boston street, Printer. Peckham, George W., 75 Central st., Real estate agent. Peirce, Cyrus H., 75 Marshall street, No occupation. Pennock, Samuel M., 47 Sargent avenue, Clerk. Perham, Edwin R., 22 Marshall street, Expressman. Perkins, Francis C., 81 Pearl street, Salesman. Perkins, G. Henry, 16 Arthur street, Insurance agent. Perkins, Harlan R., 98 Flint street, Mason. Perry, Irving S., 16 Pleasant avenue, Salesman. Perry, Oliver H., 103 College avenue, Real estate agent. Philbrick, Charles S., 174 Morrison ave., 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., 17 Dartmouth st., Real estate agt. Pitman, John W., 6 Walter place, Printer. Plympton, Dorr E., 19 Warren avenue, Inspector. 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.
Pugh, Samuel, 269 Summer street, Clerk.
Putnam, Charles R., 48 Banks 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. Ray, Benjamin P., 30 Berkeley street, No occupation. Ray, Frank E., 16 Virginia street, Clerk. Raymond, Marcus M., 37 Jaques street, No occupation. 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, Israel P., 9 Linden circle, Carpenter.
Rich, Samuel B., 45 Francesca avenue, Fish dealer.
Rich, Sewall M., 381 Medford street, Agent.
Richards, Fraderick L., 127 Summer street, Engine Richards, Frederick L., 127 Summer street, Engineer. Richards, Samuel T., 127 Summer st., Provision dealer. Richardson, Benjamin H., 102 Curtis street, Clerk. Richardson, G. Herbert, 56 Franklin street, Clerk.
Richardson, Homer L., 88 Albion street, Compositor
Rideout, Henry N. W., 7 Howe street, Clerk.
Ridler, Parker, 37 Ames street, Salesman.
Riess, Frank, 49 Gorham street, Painter.
Ring, 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, Francis H., 36 Beach street, Clerk.
Robinson, William F. S., 84 Pearl street, Artist.
Rogers, Bishop G., 400 Somerville ave., Real estate agt.
Rogers, Frederick R., 3 Wesley park, Driver.
Rogers, John E., 9 William M. 93 Francisco events of Crainer. Ross, William M., 22 Fanning avenue, Grainer.
Rowell, Elwin E., 17 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 Ryan, Michael E., 10 Murdock street, Shipper.

Saben, Edward E., 110 Pearl street, Insurance agent. Sallaway, George H., 63 Putnam st., Provision dealer. Samuel, Henry, 91 Belmont street, Clerk. Samuel, Henry, 91 Belmont street, Clerk.
Sanborn, Charles H., 50 Walnut 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.
Schillinger, Edgar F. 8-A Montgomery, ave. Mechanic Schick, Jacob, 18 Gornam 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., 43 Franklin street, Civil engineer.
Shattuck, Benjamin F., 26 Warren avenue, Potato dealer.
Shattuck, David A., 23 Brook street, Carpenter.
Shattuck, Elwin H., 75 Harris street, Metal spinner.
Shaw, William H., 92 Central street, Clerk.
Sherman, Frank M., 41 Derby street, Clerk. Sherman, Frank M., 41 Derby street, Clerk. Sheridan, Arthur H., Sr., 22 Perry street, Cashier. Shumway, Edward, 162 Highland avenue, Produce dealer. Sibley, Alfred M., 42 Oxford street, Mason. Sibley, Lincoln H., 39 Laurel street, Clerk. Skelton, Daniel J., 10 Burnside avenue, Carpenter. Skilton, Walter E., 156 School street, Salesman. Smith, Albert E., 15 1-2 Putnam street, Cooper. Smith, Alonzo R., 24 Chester street, Bookkeeper. Smith, William, 13 Smith avenue, Cabinetmaker. 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.
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., 44 Bradley street, Clerk
Spofford, George A., 7 Auburn avenue, Painter 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. Steele, Danforth S., 8 Leslie place, Foreman.
Stevens, Elmer A., 103 Liberty avenue, Provision dealer.
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.
Stover, Alvra H., 13 Virginia street, Foreman.
Stuart, Lewis R., 21 Delaware street, Dry goods dealer.
Studley, Stillman S., 130 Syamore street, Clerk.
Sturtevant, Richard H., 31 Walnut street. Beef dealer.
Swain, Gideon W., 18 Bradley street, Provision dealer.
Swain, Noah R., 17 Hathorn street, Tailor.
Symonds, Irving F., 14 Greene street, No occupation. 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.
Tewksbury, J. Gardiner, 34 Pinckney street, Paper dealer.
Thomas, Joseph M., 23 Stickney ave., Produce dealer.
Thompson, Charles W., 27 Lake street, Clerk.
Thompson, Joseph M., 66 Marshall street, Collector.
Thompson, William H. J., 55 Concord avenue, 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, No occupation.
Titcomb, Josiah P., 20 Mt. Vernon street, No occupation.
Titus, Anson M., 10 Raymond avenue, Bookkeeper.
Tomfohrde, Richard, 216 Highland ave., Restaurant kpr.
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

Upton, Henry J., 45 Florence street, Rubber worker.

W

Van Buskirk, Charles, 20 Prescott street, Frame worker. Vanderslice, Isaac, 34 Wallace street, Clothing dealer. Vaupel, Louis H. W., 109 College avenue, Agent. Vincent, Francis X., 95-B Prospect street, Printer. Vivian, James H., 210 Medford street, Salesman. Vreeland, Edward B., 121 Central st., Hay & grain dlr.

W

Walker, George, 26 Wallace street, Salesman.
Walker, Granville A., 9 Loring street, Painter.
Walker, J. Edwin, 64 Temple street, Engineer.
Walker, Thomas G., 5 Dell st., Foreman, N. P. & P. Co.
Wanless, David, 21 Grove street, Salesman.
Ward, Benjamin A., 22 Milton street, Tailor.
Ware, Francis A., 54 Dartmouth street, Manufacturer.
Washburn, Frank D., 18 Park street, Student.
Watson, Frank L., 21 Aldersey street, Paint dealer.
Watters, James, 41 Mystic avenue, Musician
Watts, George A., 18 Maple avenue, Mechanic.
Waugh, J. Robert, 36-A Linden ave., Carpenter.
Webber, Edward O., 73 Partridge ave., Rubber worker.
Webber, Orrin H., 94 Jaques street; Carpenter.
Welch, James T., 303 Highland avenue, Mason.
Wemyss, George D., 29 Ames street, Furniture mfr.
Wentworth, Edwin B., 15 Edmands street, Clerk.
Wentworth, Frank H., 61 Dartmouth street, Salesman.

Weston, Howard H., 50 Jaques street, Milk dealer.
Whitaker, Joseph W., 42-A Charnwood road, Clerk.
White, Christopher J., 38 Concord avenue, Clerk.
White, Clifford F., 71 Boston street, Watchman.
White, Frank H., 14 Montgomery avenue, Map mounter.
White, Henry F., 18 Grant street, Plater.
White, J. Harvey, 411 Broadway, Agent.
White, Joseph A., 150 Hudson street, Carpenter.
White, Maurice J., 52 Linwood street, Clerk.
Whiton, Erastus, 45 Webster street, Clerk.
Whiton, George F., 20 Otis street, Leather dealer.
Wiggin, Walter S., 74 Walnut street, Clerk.
Wilde, George, 104 Broadway, Clerk.
Wilkins, Albert S., 22 South Church street, Carpenter.
Wilkins, Frederick L., 22 South Church street, Clerk.
Willey, Clarence H., 26 Dartmouth st., Hay & Grain dlr.
Williams, Charles H., 45 Union square, Carpenter.
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.
Wyatt, Charles B., 10 Linden avenue, Machinist.
Wyman, Charles B., 67 Thurston st., Restaurant keeper.

*7

Yeaton, George W., 49 Day street, Yard master. Yelland, Henry, 5 Munroe street, Shipper. York, Ernest A., 10 Thorndike street, Baker. Young, David, 372 Highland avenue, Blacksmith. Young, Willis A., 49 Cedar street, Carpenter. Younker, Richard E., 9 Rossmore street, Wheelwright.

CITY GOVERNMENT AND OFFICERS FOR 1901.

Mayor.

EDWARD GLINES, 129 Highland avenue.

Board of Aldermen.

President — ARTHUR P. VINAL. Vice-President — JOSEPH S. PIKE, JR.

WARD ONE. · · · 22 Flint street. RANSOM D. WENTWORTH, Alderman-at-large JAMES WATTERS 41 Mystic avenue. CHARLES S. GILMAN . . 11 Hathorn street. WARD TWO. . 12 Webster avenue. HORACE A. BELCHER, Alderman-at-large . 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. WILLIAM H. CUSHMAN, Alderman-at-large . 82 Marshall street. HOWARD LOWELL 46 Gilman street. EDWIN N. SIMONDS . • • • • • . 47 Jaques street. WARD FIVE. . 321 Broadway. SAMUEL T. LITTLEFIELD, Alderman-at-large . . . 19 Hudson street. T. Franklin Preston WILLIAM H. WOODBERRY . 181 Central street. WARD SIX. . . 12 Belmont place. JAMES F. REYNOLDS, Alderman-at-large . DANIEL M. FRYE 232 Highland avenue. 46 Spencer avenue. WILLIAM L. WAUGH WARD SEVEN. PAUL J. SMITH, Alderman-at-large 79 Irving street. . 50 Francesca avenue. J. WILLARD JONES ORAMEL P. WALKER 31 Conwell avenue.

City Clerk — GEORGE I. VINCENT.

Assistant City Clerk — FREDERIC W. COOK.

Regular meetings, first and third Wednesday evenings of each month, at 8 o'clock.

Standing Committees of the Board of Aldermen.

ACCOUNTS. - Aldermen Preston, Wentworth and Kenney.

Bonds. - Aldermen Littlefield, Pike and Walker.

CITY ENGINEERING. — Aldermen Caldwell, Simonds and Waugh.

CLAIMS. - The President, Aldermen Smith and Frye.

ELECTIONS. - Aldermen Reynolds, Lowell and Belcher.

ELECTRIC LINES AND LIGHTS. — Aldermen Kenney, Reynolds, Watters, Pike and Lowell.

FINANCE. — The President, Aldermen Cushman, Smith, Reynolds, Kenney, Wentworth and Littlefield.

FIRE DEPARTMENT. — Aldermen Preston, Reynolds, Jones, Cushman and Watters.

GRADE CROSSINGS. — Aldermen Lowell, Caldwell, Belcher, Woodberry and Jones.

HIGHWAYS. — Aldermen Wentworth, Caldwell, Walker, Belcher and Little-field.

LEGISLATIVE MATTERS. - The President, Aldermen Cushman and Walker.

LICENSES. - Aldermen Pike, Preston and Jones.

ORDINANCES AND RULES. - Aldermen Watters, Frye and Woodberry.

POLICE. — The President, Aldermen Preston and Jones.

PRINTING. - Aldermen Wentworth, Gilman and Waugh.

PUBLIC GROUNDS. — Aldermen Smith, Littlefield, Frye, Kenney and Simonds.

PUBLIC PROPERTY. — Aldermen Pike, Naughton, Waugh, Gilman and Woodberry.

SEWERS. - Aldermen Smith, Lowell and Naughton.

SPECIAL BUILDING PERMITS. - Aldermen Caldwell, Naughton and Waugh.

STATE AID AND SOLDIERS' RELIEF. — Aldermen Cushman, Watters and Frye.

WATER. - Aldermen Naughton, Simonds and Gilman.

School Committee.

Chairman. — S. NEWTON CUTLER.

Vice-Chairman. — GEORGE A. MILES.

(Term, two years.)

WARD ONE.

S. Newton Cutler (elected 1899), 28 Flint street. George S. Poole (elected 1900), 46 Mt. Vernon street.

WARD TWO.

JOHN H. O'NEIL (elected 1899), 44 Oak street. EDWARD J. FLYNN (elected 1900), 1 Tremont place.

WARD THREE.

DANA W. BENNETT (elected 1900), 41 Putnam street.

ALVAH B. DEARBORN (elected 1900 for unexpired term), 34 Bow street.

WARD FOUR.

GEORGE W. W. WHITING (elected 1899), 282 Broadway. WILLIAM P. JONES (elected 1900), 13-A Maple avenue.

WARD FIVE.

QUINCY E. DICKERMAN (elected 1899), 85 Central street.
J. WALTER SANBORN (elected 1900), 183 Central street.

WARD SIX.

FREDERICK A. P. FISKE (elected 1899), 44 Cherry street. FRED M. CARR (elected 1900), 12 Westwood road.

WARD SEVEN.

GEORGE A. MILES (elected 1899), 249 Elm street. HENRIETTA B. H. ATTWOOD (elected 1900), 18 Herbert street.

Superintendent and Secretary. — GORDON A. SOUTHWORTH.
Office, City Hall Annex.

Hours: 8 A. M. to 12 M., and 1.30 to 5 P. M.; Saturdays, 8 to 10 A. M. Regular meetings, last Monday evening of each month, except July and August, when none are held, and December, when meeting is on last Friday.

Assessors.

(Term, three years.)

Albert B. Fales, Chairman (term expires 1904).

Benjamin F. Thompson (term expires 1902).

NATHAN H. REED (term expires 1903).

HARRY A. TRUE (term expires 1903).

JESSE J. UNDERHILL (term expires 1902).

ASSISTANT ASSESSORS.

(Term, one year.)

FRED B. CLAPP. EDGAR T. MAYHEW.

CHARLES C. FARRINGTON. JAMES WILSON.

Office open: 8 A. M. to 4 P. M.; Saturdays, 8 A. M. to 12 M.

Board of Health.

(Term, two members, two years; one member, one year.)

ALLEN F. CARPENTER, Chairman (term expires 1902).

ALVANO T. NICKERSON (term expires 1903).

TIEVANO I. IVICKERSON (term expires 1909).

ARTHUR R. PERRY, M. D. (term expires 1902).

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. (Term, three years.)

EDWARD B. WEST, Chairman (term expires 1903).

ALBERT W. EDMANDS (term expires 1902).

HERBERT E. MERRILL (term expires 1904).

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 three years.)

CROMWELL G. ROWELL, Chairman (term would expire 1903), died Sept. 9.

CHARLES P. LINCOLN, elected chairman Oct. 7, (term expires 1904).

CHARLES E. PARKS (term expires 1902).

LEVI F. S. DAVIS, appointed Oct. 2, to fill vacancy.

GEORGE I. VINCENT, City Clerk.

Public Library Trustees.

(Term, three years.)

CHARLES A. WEST, Chairman (term expires 1904).

JOHN B. VIALL (term, expires 1902).

EDWARD C. BOOTH (term expires 1904).

GEORGE W. PERKINS (term expires 1904).

J FRANK WELLINGTON (term expires 1902).

CHARLES W. SAWYER (term expires 1902).

IRVING G. HALL (term expires 1903).

HOWARD D. MOORE (term expires 1903).

FREDERICK W. PARKER (term expires 1903).

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.

Assistant City Clerk. — FREDERIC W. COOK.

Office open: 8 A. M. to 4 P. M.; Saturdays, 8 A. M. to 12 M.

City Treasurer and Collector of Taxes.

JAMES F. BEARD.

Office open: 8 A. M. to 2 P. M.; Saturdays, 8 A. M. to 12 M.

City Messenger.

JAIRUS MANN.

Mayor's Secretary.

FRED E. WARREN.

City Solicitor.

FRANK W. KAAN, 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. (resigned September 3). 258 Elm street, 18 Bow street.

ALVAH B. DEARBORN, M. D. (appointed September 6). 34 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.

JOHN H. DUSSEAULT, 42 Sargent avenue.

CALEB A. PAGE, 19 Webster avenue.

Constables.

GEORGE H. CARLETON,
EUGENE A. CARTER.
CHRISTOPHER C. CAVANAGH.
CHARLES H. COLGATE.
CHARLES L. ELLIS.
CHARLES C. FOLSOM.
PATRICK J. GARVIN.
WILLIAM D. HAYDEN.

Franklin W. Hopkins.
Dennis Kelley.
John J. Kenney.
Jairus Mann.
Edward McGarr.
Melville C. Parkhurst.
Robert R. Perry.
Clifton P. Sanborn.
Albion L. Staples.

CHARLES E. WOODMAN.

Measurer of Wood and Bark.

WILLIAM B. HOLMES, 317 Broadway.

Measurers of Grain.

JOHN CRAIG.

JOSEPH BAILEY.

Public Weigher in Charge of City Scales, Union Square.

FULTON O'BRION.

Weighers of Coal.

EDGAR H. BARKER.
CHARLES P. BRANN.
ERNEST P. COOKE.
CHARLES V. DOHERTY.
AMHERST F. DURKEE.
JOEL J. FISHER.
JOHN D. FLYNN.
JOHN W. GATELY.
CHARLES W. GOODWIN.
GEORGE GROGAN.
SIDNEY E. HAYDEN.
STEPHEN M. G. HALE.
DANIEL W. HURLEY.
CORNELIUS LINNEHAN.

EDWARD LOWMAN.
JOHN MACDONALD.
JOHN J. MACMAHON.
JOHN MANSFIELD.
JOHN A. MARSH.
JOHN J. MASTERS.
GEORGE H. MOORE.
CHARLES E. ROCKWELL.
WILLIAM C. STICKLE.
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.

INDEX.

	PAGE
City Clerk, Report of	. 447
Receipts	. 447
Payments	. 448
Licenses and Permits	. 448
Births	. 449
Marriages	. 450
Deaths	. 451
Assessed Polls and Registered Voters	. 452
Elections	. 454
Elections Liquor License Question Term of Office of City Clerk Publications	. 458
Term of Office of City Clerk	. 459
Publications	. 459
Ordinances	. 460
City Engineer, Report of	. 320
Engineering Department Streets Accepted in 1901 Length of Accepted Streets in Each Ward Expenses, Engineering Department	. 320
Streets Accepted in 1901	. 321
Length of Accepted Streets in Each Ward	. 322
Expenses, Engineering Department	. 323
Office Records and Value of Instruments	. 324
Table of Sidewalks Constructed aft	er page 324
Sewer Department	. 325
Table of Sewers Constructed in 1901 att	er page 326
Table of Storm Drains Constructed to 1902 aft	er page 326
Table of Separate System Sewers Constructed to 1902 aft	
Storm Drains Constructed	. 327
	327, 328
	. 328
Expense of Sewers Construction, 1901	. 329
Sewers Maintenance	. 329
Sewers Maintenance Account, 1901	. 330
Public Grounds Department	. 331
Public Grounds Department, Expenses	333
Table of Streets	336
Names and Locations of Public Squares	348
City Government and Officers for 1901	477
City Physician, Report of	319
City Solicitor, Report of	446
	46
Public Property	46, 52
Funded Debt · · · · · · · · · · ·	46, 57
Resources	49
	49
Cash	50
Assets and Liabilities	50
Balance Sheet after	page 50, 51
Statement of Accounts	71
	161
Approval of Treasurer's Report	163
Electric Lines and Lights, Commissioner, Report of Electric Lines	380

	PAGE
Street Lighting	
Expenditures · · · ·	
Fire Department, Chief of, Report of .	428
Fires	428
Manual Force	428
Equipment Service Discipline Recommendations	
Service	429, 432
Discipline	430
Recommendations	430
I allege of Pires and Dell Alands.	
Roster of Department In Memoriam Fire Department Account Health, Board of, Report of Organization Inspector of Animals and Provisions	435
In Memoriam	436
Fire Department Account	43'
Health, Board of, Report of	
Organization	
Inspector of Animals and Provisions	
Inspector of Milk and Vinegar .	
Inspector of Milk and Vinegar . Superintendent Collection of Ashes a	and Offal $27'$
Nuisances	\sim \sim \sim \sim \sim \sim \sim \sim
Glanders	
Cows · · · · ·	
Swine	\sim 2
Goats	
Grease	
Manure	
Pedlers	\sim
Ashes	
House Offal	
Stables	
Board of Infants	
Deaths	
Deaths	
Diseases Dangerous to the Public He	ealth 285, 300, 30
Smallpox Hospital	
Free Vaccination	
Medical Inspection of Schools .	
Bacteriological Examinations .	\sim \sim . \sim 29°
Report of the Bacteriologist.	29
Districts	$\overset{\cdot}{}$
Map of the City	after page 29
Principal Causes of Death	
Undertakers	\sim
Examiners of Plumbers	\sim
Appropriation and Expenditures .	$\cdot \cdot $
Inspector of Buildings (see Public Build	
Inspector of Animals and Provisions, Re	
Inspector of Milk and Vinegar, Report of	30
Jury List	\cdot
Map of the City	after page 29
Mayor's Inaugural Address	
The Financial Problem	
Funded Debt	
Taxable Property	
The City's Finances	
Sidewalks	1
Watering Streets	1
Bridges	1
Carade rossings	11

T2 ' ' T2							PAGI
Engineering Department Sanitary Conditions .		•			•		1'
Sanitary Conditions .							19
Health of the City					• .		2
Health of the City Department of Electric L Street Lighting	ines	and	Lights				29
Street Lighting							25
Buildings Department:						Ť	$\overline{24}$
Buildings Department: Public Grounds and Boul	63721	· de	•	•	•		$\frac{2}{2}$
Days Daysons Don's	Cvai	us .	•	•	•		$\frac{2}{2}$
Paul Revere Park Clarendon Hill Ledge .		• •	•		•	•	
Clarendon Hill Ledge .			•	•	•		26
Connecting Fells and Fer	15		•	٠			2'
Schools			•				27
The People's University							29
Assessors' Department .							29
Police Department .							30
Fire Department		·					31
Weter Department	,	•	•	•		•	
Water Department Poor Department Law Department		•	•	•	•		32
Poor Department		•	•				34
Law Department			•				35
Sealer of Weights and Me	asur	es .					36
Eight Hours of Labor .							36
The Brown-Tail Moth .							37
Armory		·	•		•		37
Armory	•	•	•	•			
Somervine Flospital .	•	•		•	•		38
Approach to City Hall .	•						38
Audit of Treasurer's Accor							38
Soldiers' Relief							39
Fourth of July Celebratio Honor to Whom Honor I	n.						39
Honor to Whom Honor Is	s Di	ue .					39
An Invitation to Our Neig	hho	rs					40
Social Advantages				•	•		41
A City of Homos	•	•	•	•	•	•	
A City of Homes The Dawn of a New Era	•	•	•	•			41
Ine Dawn of a New Era	•	•	•	•			43
Ordinances	:						461
Overseers of the Poor, Report	t of						308
Ordinances Overseers of the Poor, Report Members of the Board, Co	mm	ittees	s, Office	ers.	etc.		308
Insane				. /			309
Somerville Hospital .				·			310, 313
City Home	·	•	•	•	•	210 215	910, 910
City Home	•	•					, 316, 317
run Support	•	•	•	•		•	312
Partial Support	•		•	•	•		312
Reimbursements							312, 316
Population and Gross Exp	endi	itures	, 1883-1	901			313
Expenditures, 1901 .			•				314
Property at City Home .							316
Report of Warden of City	Ho	me					317
Report of City Physician	110			•			
Police, Chief of, Report of .	•	•	•	•	•	•	319
A .				•			438
	•	•	•	•			438, 439
Miscellaneous Reports .	•						438
In Memoriam							438
Police Signal and Patrol W							440
Ambulance Service .							440
Recommendations							440
D 1' D '			•		•		
T C 1	•	•		•	•	•	440
Roster of Police Departme	nt.	•	•	•	•		441
Poor Department (co. O	111	c	D	•	•		441
Poor Department (see Oversee	rs o	if the	Poor).		•		308
Population						. 167.	284, 313
Public Buildings, Commissioner	r, R	epor	t of				370

INDEX. 487

									F	PAGE
	Inspection of Buildings			•				•		370
	Inspection of Plumbing									371
	Lincoln School Bell School Davis School									371
	Rell School									372
	Dams School	•								372
	Earston Calvool Annov	•	•	•	•					372
	Forster School Annex Sanford Hanscom Schoo	1	•	•	•	•	•	•		372
	Santord Hanscom School	1	•	•	•	•	•	•		
	English High School	•	•	•	•	•		•		372
	Fire Buildings .	•	•	•		•	•	•		373
	English High School Fire Buildings . School Buildings, Care as	nd R	lepair	7						373
	George L. Baxter School	l								373
										373
	City Hall Annex									373
	Public Library Ruilding	•								374
	Police Ruilding				•		•	·		374
	City U ama	•	•	•	•	•	•	•		374
	Deat House	•	•		•	•	•	•		374
	Pest House	•	•		•	•	•	•		
	Health Department Build	ings		•	•	•	•	•		375
	Benjamin G. Brown Scho City Hall Annex Public Library Building Police Building City Home Pest House Health Department Build Highway Department Bu Clark Bennett School Fuel Bids	ıldın	gs	•	•		•			375
	Clark Bennett School									375
	Fuel Bids		•		•					376
	Fuel Bids		•							376
	Cost of Maintenance of B	uildi	ngs .						378.	379
Pul	olic Library	~							,	259
JL 161.	Trustees, Officers, Comm	ittee	c Ti	hrar	ion	Emplo	Wees	•		259
	Receipts and Expenditure									$\frac{260}{260}$
			•	•	•		•	•		$\frac{260}{260}$
	Isaac Pitman Poetry Fun	a ,	•		•		•	•		
	Isaac Pitman Poetry Fun Isaac Pitman Art Fund Report of the Trustees	•	• •		•	•	•	•		260
	Report of the Trustees .		• •		•		•	•		261
	Report of the Librarian .						•			264
	Cataloguing Department									264
	Books Withdrawn .									265
	Books Added									266
	Binding									266
	Books Added	tmen	nt .							266
	School Department .			•		•	•	Ť		267
	Children's Department	•		•	•	• •	•	•		268
	Cifts Department.	•	•	•	•		•	•		269
	Gifts	•	•	•	•	•	•	•		
	C. 1 M. 1	•				•	•	•		270
	General Work	•	•		,	• •	•	•		273
	Circulation							•		273
	Circulation of Children's	Roor	n.							273
	The New Stack Room .									274
	Binding									274
	House Delivery									274
	C 1 C	•					•	•		276
	Conclusion		•	•		•	•	•		276
Sch	ool Department	•	•	•	•	•	•	•		
SCII	Department		•	•		•	•	•		164
	Report of School Commi	itee		/r :		000		•		164
	Members, Officers, Comn	nittee	es, A	1eet1	ngs,	Office	Ho	urs	0.4.5	
	D					165,	166,	218,	219,	
	Report of Superintendent									167
	Summary of Statistics .									167
	Population									$\bar{1}67$
	School Buildings							167	168,	
	Teachers			·	•				178,	
	Attendance	·	•	•					168,	
	0 . (01 1						•	160	100,	010
	Cost of Schools Additional School Accom	mod.	ation.		•	•	•	100,	185,	419
	Additional School Accom	moda	ation;	5 .						172

488 INDEX.

							PAGE
High School Accommod	ation	s .					173
High School Courses							175
School Census .							177
School Census Pupils Latin High School English High School Grammar and Primary S							177,219
Latin High School.						. 179	, 210, 219
English High School						. 180	.213.219
Grammar and Primary S	Schoo	ols .				. 182	. 209, 219
Kindergartens							183 209
Kindergartens . Evening Schools .	•			•		184	217 219
Time Schedules	•	•	•	•	•	. 101	187
Time Schedules Hygiene School Athletics	•	•	•	•			189
Cohool Athletics	•	•	•	•		•	189
Madical Transaction	•		•			•	109
Medical Inspection Manual Training and D	•			•			100 216
Manual Training and D	omes	tic Sci	ence	•	•		190, 216
Vacation Schools Penmanship, Drawing, a Schools and Public Libra Condition of the School	٠		•				191
Penmanship, Drawing, a	nd M	lusic	•		•	194	, 216, 217
Schools and Public Libra	ary						204,217
Condition of the School	S						205
In Memoriam .							208
In Memoriam Organization of Somervi Promotions Sewing	ille S	chools					209
Promotions							210
Sewing		·	·	· ·		•	216
Gymnastics	•	•	•	•	•		216
Pagassas	•		•	•	•	•	216
Composed Dunishment	•	•	•	•	•		
Corporal Punishment	•		•		•		217
Recesses Corporal Punishment Student Teachers The Public Library Truants	•		•	•			217
The Public Library							217
Truants	•						218, 219
Janitors							218
Supervision							218
Appendix, with Table of	Con	tents					219
Salaries Paid							251
Salaries Paid Sealer of Weights and Measu	ires.	Report	of				443
Sewers (see City Engineer).							325
Sewers (see City Engineer). Street Commissioner, Report	of			•	Ť	•	349
Street Cleaning	O1	•	•	•	•		349
Street Cleaning .	•	•	•		•		
Watering Streets . Wide Tires	•	•		•	•		349
C'tes I a dess	•		•	•	•		350
City Ledge	•		•				350
Bridges	•						350
Subways							351
Union Square .							351
Cross Street	•						-351
Brown-Tail Moth .							351
Shade Trees							352
Street Openings .							352
Miscellaneous Work			·	•	•	•	352
Recommendations							353
Detailed Statement of Ex	vnen.	litures		•			354-360
Canada Canada 1					•		361
~ .				•	•		
Streets Repaired . Sidewalks Constructed .		•	. •	•	•		362
	1	D1	C 1	11		363	364, 365
Length of Edgestones	and	Brick	Sidev	valks	ın	Lach	
Ward		•					365
Gutters Paved .	•						366
Driveways Constructed							368
Street Crossings Laid							368
Streets Accepted in 1901							369
I anoth of Associated China	to in	Fach	Word				369
Length of Accepted Stree	ets in	Lacii	walu				2 23 22 7

					_		_	PAGE
t (see	e Ov	ersee	ers o	f the	Poo	r).	•	308
t of						•		384
					•			385
ıd Di	sbur	seme	nts					387
								388
	a							388
•								390
								390
S								391
ns								391
Tro	ughs							392
								393
							•	393
Fixtu	res							394
rks			•					394
								395
rants,	etc.	, set	in 1	901				396
Hydr	ants	Res	et in	1901				399
Acco	unt							401
								401
								402
						•		417
ount							•	418
								419
tion A	Acco	unt			·			420
S			Ĭ	Ĭ	•	•	•	420
ount	ains				•	•	•	422
			·	•	•	•	•	423
	•		•	•	•	•	•	424
								425
						•		426
	t of . d Di	d Disbur d Disb	d Disburseme d Disburseme froughs froughs fixtures rks frants, etc., set Hydrants Rese Account ount ount froughs count cou	d Disbursements d Disbursements fixtures rks rants, etc., set in 1 Hydrants Reset in Account ount ion ount ion count ion ion ion ion ion ion ion i	d Disbursements d Disbursements fixtures rants, etc., set in 1901 Hydrants Reset in 1901 Account ount ion ount ion count ion ion ion ion ion ion ion i	d Disbursements d Disbursements fixed in the second in t	d Disbursements d Disbursements fixtures rks rants, etc., set in 1901 Hydrants Reset in 1901 Account ount ion Account s ountains	t (see Overseers of the Poor). t of











